Appendix A

Air Quality Assumptions and Modeling Data

A.1-1 Assumptions

CMWC Project
Land Uses

Site Information

Information	Totals	Notes
Site (acres):	12.82	"2024-07-10_Rough Grading Calculations_Phas without curb cutouts
Lot Area (sqft):	558,000	"2024-07-10_Rough Grading Calculations_Phases.pdf"
Location:	Willowbrook	*Project Description page 1*
Address:	1667 East 118th Street, Los Angeles, Califo	*Project Description page 1*
Utility:	SCE	*CalEEMod*
Operational Year:	2034	*Construction Assumptions (Schedule)*

Does not include curb cutouts. Further details below. Assumed as part of Phase 5

Project Site acreage distribution and Grading Values

Phase	Land Use Type	Lot Sq Ft	Acres	Total CY Material Moved Onsite (input into CalEEMod)	Gravel Import for Phase 0 + Soil Haul Away All Other Phases(Clearing and Grubbing) (CY)	Truck Capacity (CY)	Total Trucks	Total One Way Trips	Grading Start Date	Grading End Date	Total Work Days	One-Way Trucks Trips/Day (Input Into CalEEMod)	Trucks/Day	Paved Asphalt SF (Assumed 10% of lot)	Paved Asphalt Acres
0	Clearing and Grubbing		10.32	490	490	15	33	66	8/1/2025	8/30/2025	21	4	2	0	0.00
1	Athletic Field	108,600	2.50	4,030	0	15	0	0	7/1/2025	8/30/2025	44	0	0	10,860	0.25
4	Office Building	53,800	1.24	25,430	20,500	15	1,367	2,734	3/29/2028	5/27/2028	43	64	32	5,380	0.13
2	Affordable Housing Building 1	28,000	0.64	6,350	4,130	15	276	552	5/1/2026	6/30/2026	43	14	7	2,800	0.07
3	Affordable Housing Building 2	28,200	0.65	6,360	4,130	15	276	552	5/1/2026	6/30/2026	43	14	7	2,820	0.07
9	Student Housing Building 1	26,800	0.62	5,670	3,640	15	243	486	1/29/2032	2/27/2032	22	24	12	2,680	0.07
8	Parking Structure	56,600	1.30	9,480	4,920	15	328	656	1/29/2032	3/28/2032	42	16	8	5,660	0.13
6	Affordable Housing Building 3	31,300	0.72	7,610	5,020	15	335	670	3/4/2030	5/2/2030	44	16	8	3,130	0.08
7	Affordable Housing Building 4	31,500	0.72	7,620	5,020	15	335	670	3/4/2030	5/2/2030	44	16	8	3,150	0.08
5	Student Housing Building 2	34,200	0.79	5,770	3,500	15	234	468	3/29/2028	4/27/2028	22	22	11	3,420	0.08
10	Athletics Building	52,000	1.19	12,180	7,970	15	532	1,064	8/27/2033	9/25/2033	20	54	27	5,200	0.12
11	Senior Affordable Housing Building	26,800	0.62	6,060	3,940	15	263	526	9/1/2033	10/30/2033	42	14	7	2,680	0.07
12	Student Housing Building 3	51,200	1.18	8,160	4,870	15	325	650	7/27/2035	8/25/2035	21	32	16	5,120	0.12
13	Workforce Housing Building	29,000	0.67	4,730	2,840	15	190	380	7/27/2035	8/25/2035	21	20	10	2,900	0.07
		558,000	**12.82**	**109,940**	**70,970**									**55,800**	

Rough Grading Estimates PDF 7-10-24
Phase 0 and 10 Gravel Import/Export amount from 7/10/24 email from PM. Phase 0 is gravel import
Total CY of material moved onsite is input into CalEEMod to account for fugitive dust emissions. However truck trips modeled are to account for soil exported offsite.
Phase 0 Demo and Site Prep run separately due to differences in acreage of activity.

Project Demolition Values

Phase	Land Use Type	Demo Total (CY)	Conversion Factors (lbs/CY) (Concrete+Asphalt or Soil)	Tons of Debris (input into CalEEMod)	Truck Capacity (CY)	Total Trucks	Total One Way Trips	Demolition Start Date	Demolition End Date	Total Work Days	One-Way Trucks Trips/Day (Input Into CalEEMod)	Trucks/Day
0	Clearing and Grubbing	3,480	2,400	4,180	8	435	870	6/1/2025	7/31/2025	44	20	10
1	Athletic Field	1,110	2,106	1,170	15	74	148	6/1/2025	6/30/2025	21	8	4
4	Office Building	1,000	2,106	1,060	15	67	134	3/1/2028	3/28/2028	20	8	4
2	Affordable Housing Building 1	330	2,106	350	15	22	44	4/1/2026	4/30/2026	22	2	1
3	Affordable Housing Building 2	120	2,106	130	15	8	16	4/1/2026	4/30/2026	22	2	1
9	Student Housing Building 1	80	2,106	90	15	6	12	1/1/2032	1/28/2032	20	2	1
8	Parking Structure	1,050	2,106	1,110	15	70	140	1/1/2032	1/28/2032	20	8	4
6	Affordable Housing Building 3	550	2,106	580	15	37	74	2/1/2030	3/3/2030	21	4	2
7	Affordable Housing Building 4	550	2,106	580	15	37	74	2/1/2030	3/3/2030	21	4	2
5	Student Housing Building 2	320	2,106	340	15	22	44	3/1/2028	3/28/2028	20	4	2
10	Athletics Building	1,300	2,106	1,500	15	87	174	8/1/2033	8/26/2033	20	10	5
11	Senior Affordable Housing Building	500	2,106	530	15	34	68	8/1/2033	8/31/2033	23	4	2
12	Student Housing Building 3	180	2,106	190	15	12	24	7/1/2035	7/26/2035	19	2	1
13	Workforce Housing Building	300	2,106	320	15	20	40	7/1/2035	7/26/2035	19	4	2
		10,870										

Rough Grading Estimates PDF 7-10-24
CalRecycle Weights and Volumes
https://pw.lacounty.gov/epd/CD/cd_attachments/Volume_to_Weight.pdf

Project Land Uses

Phase	Phase	Land Use Type	CalEEMod LandUse Type	CalEEMod LandUse Subtype	Amount	Apt Units	Unit	Building sq.ft or land use sf	Lot (sq.ft)	Total Lot Acres	Component Acres (Goes into CalEEMod)	Notes
0	0	**Demolition/Grading - Phase 1**	Parking	Other Non-asphalt surface	10.32		acres	0		10.32	10.32	*Email confirmation from Nathan Prevander 1-4-24*
1	1	**Athletic Field**	Recreational	City Park	108.600		ksf	108,600	108,600	2.50	2.50	*Email confirmation from Nathan Prevander 1-4-24*
4	4	**Office Building (includes 5,000 sf of community space)**	Commercial	General Office	121.000		ksf	121,000	53,800	1.24	0.71	*Email confirmation from Nathan Prevander 1-4-24*
4		Parking	Parking	Enclosed Parking with Elevator	84		spaces	39,400			0.20	*Email confirmation from Nathan Prevander 1-4-24*
4		Hardscape+Landscape+Open space	Parking	Other Non-asphalt surface	14.300		ksf	14,300			0.33	*Email confirmation Michael 3-22-24*
4												
2	2	**Affordable Housing Building 1**	Residential	Apartments Mid Rise	52.500	47	units	52,500	28,000	0.64	0.21	*Email confirmation from Nathan Prevander 1-4-24*
2		Enclosed Parking	Parking	Enclosed Parking with Elevator	12.00	24	spaces	12,000			0.10	*Parking space SF and enclosed parking based on email from Michael 1*
2		Open Space	Parking	Other Non-asphalt surface	14.45		ksf	14,450			0.33	
2		Private Open Space	Parking	Other Non-asphalt surface	2.350		ksf	2,350			0.05	
2		Hardscape+Landscape+Open space	Parking	Other Non-asphalt surface	12.100		ksf	12,100			0.28	*Email confirmation Michael 3-22-24*
3	3	**Affordable Housing Building 2**	Residential	Apartments Mid Rise	52.500	47	units	52,500	28,200	0.65	0.22	*Email confirmation from Nathan Prevander 1-4-24*
3		Enclosed Parking	Parking	Enclosed Parking with Elevator	12.00	24	spaces	12,000			0.10	*Default based on email from Mike Houlihan 1/8/24*
3		Open Space	Parking	Other Non-asphalt surface	14.65		ksf	14,650			0.33	
3		Private Open Space	Parking	Other Non-asphalt surface	2.350		ksf	2,350			0.05	
3		Hardscape+Landscape+Open space	Parking	Other Non-asphalt surface	12.300		ksf	12,300			0.28	*Email confirmation Michael 3-22-24*
9	9	**Student Housing Building 1**	Residential	Apartments Mid Rise	70.500	72	units	70,500	26,800	0.62	0.28	*Email confirmation from Nathan Prevander 1-4-24*
9		**Open Space**	Parking	Other Non-asphalt surface	33.900		ksf	33,900	17,600	0.40	0.74	*Email from Mike Houlihan 1/8/24. Chance provided SF in teams chat*
9		Curb Cutout - left	Parking	Other Non-asphalt surface	8.100		ksf	8,100		1.02		*Email from Mike Houlihan 1/8/24. Chance provided SF in teams chat*
9		Curb Cutout - right	Parking	Other Non-asphalt surface	9.500		ksf	9,500				*Email from Mike Houlihan 1/8/24. Chance provided SF in teams chat*
9		Private Open Space	Parking	Other Non-asphalt surface	3.600		ksf	3,600			0.05	
9		Hardscape+Landscape+Open	Parking	Other Non-asphalt surface	12.700		ksf	12,700			0.29	*Email confirmation Michael 3-22-24*
8	8	**Parking Structure**	Parking	Enclosed Parking with Elevator	637.000		spaces	242,040	56,600	1.30	0.66	*Changed, value provided by Michael 7.12.24*
8		Parking Community Space	Industrial	Unrefrigerated Warehouse No-Rail	11.5		ksf	11,500			0.10	*Michael Email confirmation 3-19-24*
8		Hardscape+Landscape+Open	Parking	Other Non-asphalt surface	23.400		ksf	23,400			0.54	*Email confirmation Michael 3-22-24*
6	6	**Affordable Housing Building 3**	Residential	Apartments Mid Rise	58.700	53	units	58,700	31,300	0.72	0.30	*Email confirmation from Nathan Prevander 1-4-24*
6		Enclosed Parking	Parking	Enclosed Parking with Elevator	14.5	29	spaces	14,500			0.10	*Parking space SF and enclosed parking based on email from Michael 1*
6		Open Space	Parking	Other Non-asphalt surface	14.550		ksf	14,550			0.32	
6		Private Open Space	Parking	Other Non-asphalt surface	2.650		ksf	2,650			0.05	
6		Hardscape+Landscape+Open space	Parking	Other Non-asphalt surface	11.900		ksf	11,900			0.27	*Email confirmation Michael 3-22-24*
7	7	**Affordable Housing Building 4**	Residential	Apartments Mid Rise	58.700	53	units	58,700	31,500	0.72	0.29	*Email confirmation from Nathan Prevander 1-4-24*
7		Enclosed Parking	Parking	Enclosed Parking with Elevator	14.5	29	spaces	14,500			0.10	*Parking space SF and enclosed parking based on email from Michael 1*
7		Open Space	Parking	Other Non-asphalt surface	14.85		ksf	14,850			0.33	
7		Private Open Space	Parking	Other Non-asphalt surface	2.650		ksf	2,650			0.05	
7		Hardscape+Landscape+Open space	Parking	Other Non-asphalt surface	12.200		ksf	12,200			0.28	*Email confirmation Michael 3-22-24*
5	5	**Student Housing Building 2**	Residential	Apartments Mid Rise	67.500	70	units	67,500	34,200	0.79	0.26	*Email confirmation from Nathan Prevander 1-4-24*
5		Open Space	Parking	Other Non-asphalt surface	24.300		ksf	24,300			0.53	
5		Private Open Space	Parking	Other Non-asphalt surface	3.500		ksf	3,500			0.05	
5		Hardscape+Landscape+Open	Parking	Other Non-asphalt surface	20.800		ksf	20,800			0.48	*Email confirmation Michael 3-22-24*
10	10	**Athletics Building**			43.100		ksf	43,100	52,000	1.19		*Email confirmation from Nathan Prevander 1-4-24*
10		Gymnasium	Recreational	Health Club	43.100		ksf	43,100			0.70	*Email confirmation from Nathan Prevander 1-4-24*
10		Hardscape+Landscape+Open	Parking	Other Non-asphalt surface	21.200		ksf	21,200			0.49	*Email confirmation Michael 3-22-24*
11	11	**Senior Affordable Housing Building**	Residential	Apartments Mid Rise	44.100	54	units	44,100	26,800	0.62	0.20	*Email confirmation from Nathan Prevander 1-4-24*
11		Enclosed Parking	Parking	Enclosed Parking with Elevator	13.500	27	spaces	13,500			0.10	*Parking space SF and enclosed parking based on email from Michael 1*
11		Open Space	Parking	Other Non-asphalt surface	14.300		ksf	14,300			0.32	
11		Private Open Space	Parking	Other Non-asphalt surface	2.700		ksf	2,700			0.05	
11		Hardscape+Landscape+Open space	Parking	Other Non-asphalt surface	11.600		ksf	11,600			0.27	*Email confirmation Michael 3-22-24*
12	12	**Student Housing Building 3**	Residential	Apartments Mid Rise	80.230	108	units	80,230	51,200	1.18	0.29	*Email confirmation from Nathan Prevander 1-4-24*
12		Shop	Retail	Strip Mall	10.270		ksf	10,270			0.10	*Email confirmation from Nathan Prevander 1-4-24*
12		University-Oriented Community Space	Recreational	Health Club	5.000		ksf	5,000			0.05	*Email confirmation from Nathan Prevander 1-4-24*
12		Hardscape+Landscape+Open	Parking	Other Non-asphalt surface	32.400		ksf	32,400			0.74	*Email confirmation Michael 3-22-24*
13	13	**Workforce Housing Building**	Residential	Apartments Mid Rise	54.750	55	units	54,750	29,000	0.67	0.20	*Email confirmation from Nathan Prevander 1-4-24*
13		Open Space	Parking	Other Non-asphalt surface	20.85		ksf	20,850			0.47	
13		Private Open Space	Parking	Other Non-asphalt surface	2.750		ksf	2,750			0.05	
13		Hardscape+Landscape+Open space	Parking	Other Non-asphalt surface	18.100		ksf	18,100			0.42	*Email confirmation Michael 3-22-24*
							Total	1,430,040	575,600	12.82	13.22	
									13.22			

University-oriented with student housing building conservatively modeled as health club as traffic study assumes it more similar to a recreational health club use.
Pool use assumed within athletics building sf. Pool water usage covered by WSA, water usage values used in operational modeling.
Existing facilities/services building is proposed to move to new location within Project site and would generate minimal trips (11,500 sf) from traffic study, no assumed new trips
Assume default percentage architectural coating of hardscape + open space + landscape is conservative as a lot of this area is landscaping that would require no painting
For athletic field. City Park land use was used. Treated athletic field sf as building sf using CalEEMod worker and vendor trip rates
Site area and hardscape+landscape+open space sf rounded up to the nearest 100 sf.

Total Hardscape+Landscape+Op	**203,000**	TRUE
Total Hardscape balconie	**22,550**	TRUE
	1,204,490.00	

	Land Use Subtype commercial/retail	Rate Metric daily trips/1000 sf ksf		Worker Trip Rate	Vendor Trip Rate 0.32	0.1639	Worker Daily One-way Trip Rate	Vendor Daily One-way Trip Rate
Athletic Field	Building Construction		108.600	35	18		70	36
	Architectural Coating						14	

Full Operations

Land Use Type	CalEEMod LandUse Type	CalEEMod LandUse Subtype	Amount	Apt Units	Unit	Building sq.ft or land use sf			Component Acres (Goes into CalEEMod)
Athletic Field	**Recreational**	**City Park**	**108.600**		**ksf**	**108,600**			**2.50**
Office	**Commercial**	**General Office**	**121.000**			**121,000**			**0.71**
Office Building (includes 5,000 sf of community space)	Commercial	General Office	121.000		ksf	121,000			0.71
Storage/Warehouse	**Industrial**	**Unrefrigerated Warehouse No-Rail**	**11.500**		**ksf**	**11,500**			**0.10**
Housing	**Residential**	**Apartments Mid Rise**	**539.480**	**559**	**units**	**539,480**			**2.23**
Affordable Housing Building 1	Residential	Apartments Mid Rise	52.500	47	units	52,500			0.21
Affordable Housing Building 2	Residential	Apartments Mid Rise	52.500	47	units	52,500			0.22
Affordable Housing Building 3	Residential	Apartments Mid Rise	58.700	53	units	58,700			0.30
Affordable Housing Building 4	Residential	Apartments Mid Rise	58.700	53	units	58,700			0.29
Senior Affordable Housing Building	Residential	Apartments Mid Rise	44.100	54	units	44,100			0.20
Student Housing Building 1	Residential	Apartments Mid Rise	70.500	72	units	70,500			0.28
Student Housing Building 2	Residential	Apartments Mid Rise	67.500	70	units	67,500			0.26
Student Housing Building 3	Residential	Apartments Mid Rise	80.230	108	units	80,230			0.29
Workforce Housing Building	Residential	Apartments Mid Rise	54.750	55	units	54,750			0.20
Enclosed Parking with Elevator	**Parking**	**Enclosed Parking with Elevator**	**854.000**		**spaces**	**347,940**			**1.36**
Parking	Parking	Enclosed Parking with Elevato	84.000		spaces	39,400			0.20
Parking Structure	Parking	Enclosed Parking with Elevato	637.000		spaces	242,040			0.66
Enclosed Parking	Parking	Enclosed Parking with Elevato	24.000		spaces	12,000			0.10
Enclosed Parking	Parking	Enclosed Parking with Elevato	24.000		spaces	12,000			0.10
Enclosed Parking	Parking	Enclosed Parking with Elevato	29.000		spaces	14,500			0.10
Enclosed Parking	Parking	Enclosed Parking with Elevato	29.000		spaces	14,500			0.10
Enclosed Parking	Parking	Enclosed Parking with Elevato	27.000		spaces	13,500			0.10
Hardscape+Landscape+Open space+Private Open Space+Curb Cutouts	**Parking**	**Other Non-asphalt surface**	**243.150**		**ksf**	**243,150**			**5.47**
Hardscape+Landscape+Open space	Parking	Other Non-asphalt surface	14.300		ksf	14,300			0.33
Hardscape+Landscape+Open space	Parking	Other Non-asphalt surface	12.100		ksf	12,100			0.28
Hardscape+Landscape+Open space	Parking	Other Non-asphalt surface	12.300		ksf	12,300			0.28
Hardscape+Landscape+Open space	Parking	Other Non-asphalt surface	12.700		ksf	12,700			0.29
Hardscape+Landscape+Open space	Parking	Other Non-asphalt surface	23.400		ksf	23,400			0.54
Hardscape+Landscape+Open space	Parking	Other Non-asphalt surface	11.900		ksf	11,900			0.27
Hardscape+Landscape+Open space	Parking	Other Non-asphalt surface	12.200		ksf	12,200			0.28
Hardscape+Landscape+Open space	Parking	Other Non-asphalt surface	20.800		ksf	20,800			0.48
Hardscape+Landscape+Open space	Parking	Other Non-asphalt surface	21.200		ksf	21,200			0.49
Hardscape+Landscape+Open space	Parking	Other Non-asphalt surface	11.600		ksf	11,600			0.27
Hardscape+Landscape+Open space	Parking	Other Non-asphalt surface	32.400		ksf	32,400			0.74
Hardscape+Landscape+Open space	Parking	Other Non-asphalt surface	18.100		ksf	18,100			0.42
Private Open Space	Parking	Other Non-asphalt surface	2.350		ksf	2,350			0.05
Private Open Space	Parking	Other Non-asphalt surface	2.350		ksf	2,350			0.05
Private Open Space	Parking	Other Non-asphalt surface	3.600		ksf	3,600			0.05
Private Open Space	Parking	Other Non-asphalt surface	2.650		ksf	2,650			0.05
Private Open Space	Parking	Other Non-asphalt surface	2.650		ksf	2,650			0.05
Private Open Space	Parking	Other Non-asphalt surface	3.500		ksf	3,500			0.05
Private Open Space	Parking	Other Non-asphalt surface	2.700		ksf	2,700			0.05
Private Open Space	Parking	Other Non-asphalt surface	2.750		ksf	2,750			0.05
Curb Cutout - left	Parking	Other Non-asphalt surface	8.100		ksf	8,100			0.40
Curb Cutout - right	Parking	Other Non-asphalt surface	9.500		ksf	9,500			
Recreational	**Recreational**	**Health Club**	**48.100**		**ksf**	**48,100**			**0.75**
Gymnasium	Recreational	Health Club	43.100		ksf	43,100			0.70
University-Oriented Community Space	Recreational	Health Club	5.000		ksf	5,000			0.05
Shop	**Retail**	**Strip Mall**	**10.270**		**ksf**	**10,270**			**0.10**
					Total	**1,430,040**			**13.22**
						TRUE			TRUE

Interim Buildout Assumes everything built through 2032

Energy Use

Land Use	ksf		Electricity (kWh/1000sf/year)	Electricity kWh/year
Athletic Field		108.600	876	95,133.600
Hardscape+Landscape+Open space+Private Open Space+Curb Cutouts		243.150	876	212,999.400

Assume CalEEMod parking lot default electricity use for general lighting for certain uses.

Solid Waste

Land Use	Units		Generation Factor (lbs/unit or lbs/10000 sf/day)	Solid Waste Tons/Year	CalEEMod Unit	CalEEMod Rate
Apartments Mid Rise		559.000	12.23	1,248.000	1,655.000	0.76
General Office		299.470	6	328.000	121.000	2.72
Residential						
Non-Residential						

Assumed to cover All solid waste on site based on caluclation methodology.

Sources

Grading Site Plan Z:\Shared\Projects\2021\D202100826.00 - CMWC Wellness Campus Development Addendum\03 Working Documents\Tech Reports\Info\2024-07-10_Rough Grading Calculations_Phases.pdf

Grading and Earthwork Z:\Shared\Projects\2021\D202100826.00 - CMWC Wellness Campus Development Addendum\03 Working Documents\Tech Reports\Info\2024-07-10 Grading and Earthwork Quantities Construction Phased.pdf

Site plan Z:\Shared\Projects\2021\D202100826.00 - CMWC Wellness Campus Development Addendum\03 Working Documents\Tech Reports\Info\10. 2023-09-19 Plan Set.pdf

Assumptions

Parking sf for A1-A5 determined with PM in email 1/22/24 as part of enclosed space

PM assumption private open space (balconies) not part of square footage as conservative 2/29/2024

PM assumption parking building is warehouse no rail for 11,500 sf

PD 9-11-23 describes student and workforce housing as "apartments". Assumed all residential uses as apartment midrise. CalEEMod has the same energy usage for apartment mid rise and condo/townhouse high rise

Traffic study assumes 11,500 sf existing facilities/services building is proposed to move to new location within Project site and would generate minimal trips.

Community space within office building (5,000 sf) does not generate new trips based on traffic study, contains offices, gathering space and storage. This existing use is proposed to move to a new location within the ground level of the proposed office building. No new trips are anticipated

Solid waste based on CalRecyle Rates used in Willowbrook Specific Plan EIR

Water Usage Rates from Project WSA

Trip Rates based on Project Traffic Study

Project Water Usage

WSA (GPY)		WSA (GPD)	
Indoor	Outdoor	Indoor	Outdoor
	2,120,650		5810
1,095,000		3,000	
24,548,805		67257	
	2,250,590		6166
79,935		219	

Water Usage Rates from Project WSA
Trip Rates based on Project Traffic Study

Project Vehicle Trips

CalEEMod Use	CalEEMod Unit	Traffic Stu	Trip Rate to Enter in CalEEMod
		Net Trip Rate - Table 2	
Athletic Field	2.50	64	**25.600**
Office	121	1131	**9.350**
Housing	559	2233	**4.000**
Recreational	48.100	124	**2.58**
Shop	10.270	50	**4.87**

Trip Rates based on Project Traffic Study

Interim Operations *Through Year 2031*

Land Use Type	CalEEMod LandUse Type	CalEEMod LandUse Subtype	Amount	Apt Units	Unit	Building sq.ft or land use sf			Component Acres (Goes into CalEEMod)
Athletic Field	**Recreational**	**City Park**	**108.600**		**ksf**	**108,600**			**2.50**
Office	**Commercial**	**General Office**	**121.000**			**121,000**			**0.71**
Office Building (includes 5,000 sf of community space)	Commercial	General Office	121.000		ksf	121,000			0.71
Housing	**Residential**	**Apartments Mid Rise**	**289.900**	**270**	**units**	**289,900**			**1.28**
Affordable Housing Building 1	Residential	Apartments Mid Rise	52.500	47	units	52,500			0.21
Affordable Housing Building 2	Residential	Apartments Mid Rise	52.500	47	units	52,500			0.22
Affordable Housing Building 3	Residential	Apartments Mid Rise	58.700	53	units	58,700			0.30
Affordable Housing Building 4	Residential	Apartments Mid Rise	58.700	53	units	58,700			0.29
Student Housing Building 2	Residential	Apartments Mid Rise	67.500	70	units	67,500			0.26
Enclosed Parking with Elevator	**Parking**	**Enclosed Parking with Elevator**	**190.000**		**spaces**	**92,400**			**0.60**
Parking	Parking	Enclosed Parking with Elevator	84.000		spaces	39,400			0.20
Enclosed Parking	Parking	Enclosed Parking with Elevator	24.000		spaces	12,000			0.10
Enclosed Parking	Parking	Enclosed Parking with Elevator	24.000		spaces	12,000			0.10
Enclosed Parking	Parking	Enclosed Parking with Elevator	29.000		spaces	14,500			0.10
Enclosed Parking	Parking	Enclosed Parking with Elevator	29.000		spaces	14,500			0.10
Hardscape+Landscape+Open space+Private Open Space+Curb Cutouts	**Parking**	**Other Non-asphalt surface**	**97.100**		**ksf**	**97,100**			**2.17**
Hardscape+Landscape+Open space	Parking	Other Non-asphalt surface	14.300		ksf	14,300			0.33
Hardscape+Landscape+Open space	Parking	Other Non-asphalt surface	12.100		ksf	12,100			0.28
Hardscape+Landscape+Open space	Parking	Other Non-asphalt surface	12.300		ksf	12,300			0.28
Hardscape+Landscape+Open space	Parking	Other Non-asphalt surface	11.900		ksf	11,900			0.27
Hardscape+Landscape+Open space	Parking	Other Non-asphalt surface	12.200		ksf	12,200			0.28
Hardscape+Landscape+Open space	Parking	Other Non-asphalt surface	20.800		ksf	20,800			0.48
Private Open Space	Parking	Other Non-asphalt surface	2.350		ksf	2,350			0.05
Private Open Space	Parking	Other Non-asphalt surface	2.350		ksf	2,350			0.05
Private Open Space	Parking	Other Non-asphalt surface	2.650		ksf	2,650			0.05
Private Open Space	Parking	Other Non-asphalt surface	2.650		ksf	2,650			0.05
Private Open Space	Parking	Other Non-asphalt surface	3.500		ksf	3,500			0.05
					Total	**709,000**			**7.25**

Energy Use

Land Use	ksf	Electricity (kWh/1000sf/year)	Electricity kWh/year
Athletic Field	108.600	876	95,133.600
Hardscape+Landscape+Open space+Private Open Space+Curb Cutouts	97.100	876	85,059.600

Assume CalEEMod parking lot default electricity use for general lighting for certain uses.

Solid Waste

Land Use	Units	Generation Factor (lbs/unit or lbs/10000 sf/day)	Solid Waste Tons/Year	CalEEMod Unit	CalEEMod Rate
Residential	270.000	12.23	603.000	1,655.000	0.37
Non-Residential	229.600	6	252.000	121.000	2.09

Apartments Mid Rise
General Office

Assumed to cover All solid waste on site based on caluclation methodology.

Sources

Grading Site Plan Z:\Shared\Projects\2021\D202100826.00 - CMWC Wellness Campus Development Addendum\03 Working Documents\Tech Reports\Info\2024-07-10_Rough Grading Calculations_Phases.pdf

Grading and Earthwork Z:\Shared\Projects\2021\D202100826.00 - CMWC Wellness Campus Development Addendum\03 Working Documents\Tech Reports\Info\2024-07-10 Grading and Earthwork Quantities Construction Phased.pdf

Site plan Z:\Shared\Projects\2021\D202100826.00 - CMWC Wellness Campus Development Addendum\03 Working Documents\Tech Reports\Info\10. 2023-09-19 Plan Set.pdf

Assumptions

Parking sf for A1-A5 determined with PM in email 1/22/24 as part of enclosed space

PM assumption private open space (balconies) not part of square footage as conservative 2/29/2024

PM assumption parking building is warehouse no rail for 11,500 sf

PD 9-11-23 describes student and workforce housing as "apartments". Assumed all residential uses as apartment midrise. CalEEMod has the same energy usage for apartment mid rise and condo/townhouse high rise

Traffic study assumes 11,500 sf existing facilities/services building is proposed to move to new location within Project site and would generate minimal trips.

Community space within office building (5,000 sf) does not generate new trips based on traffic study, contains offices, gathering space and storage. This existing use is proposed to move to a new location within the ground level of the proposed office building. No new trips are anticipated

Solid waste based on CalRecyle Rates used in Willowbrook Specific Plan EIR

Trip Rates based on Project Traffic Study

Project Vehicle Trips - Interim

CalEEMod Use	CalEEMod Unit	Traffic Study	Trip Rate to Enter in CalEEMod
		Net Trip Rate - Table 2	
Athletic Field	2.50	64	**25.600**
Office	121	1131	**9.350**
Housing	270	1142	**4.230**

CWMC
Construction Schedule

Updated Phasing		Start	End	Work Days
0	**Demoltion and Clearance**	**6/1/2025**	**8/30/2025**	**65**
0	Demolition	6/1/2025	7/31/2025	44
0	Site Prep	8/1/2025	8/30/2025	21
1	**Athletic Field U5**	**6/1/2025**	**3/25/2026**	**213**
1	Demolition	6/1/2025	6/30/2025	21
1	Grading	7/1/2025	8/30/2025	44
1	Building Construction	8/31/2025	1/27/2026	107
1	Architectural Coating	1/28/2026	2/23/2026	19
1	Paving	2/24/2026	3/25/2026	22
4	**Office Building U7**	**3/1/2028**	**1/17/2030**	**492**
4	Demolition	3/1/2028	3/28/2028	20
4	Grading	3/29/2028	5/27/2028	43
4	Building Construction	5/28/2028	9/19/2029	343
4	Architectural Coating	9/20/2029	11/18/2029	42
4	Paving	11/19/2029	1/17/2030	44
2	**Affordable Housing A1**	**4/1/2026**	**2/20/2028**	**493**
2	Demolition	4/1/2026	4/30/2026	22
2	Grading	5/1/2026	6/30/2026	43
2	Building Construction	7/1/2026	10/23/2027	343
2	Architectural Coating	10/24/2027	12/22/2027	43
2	Paving	12/23/2027	2/20/2028	42
3	**Affordable Housing A2**	**4/1/2026**	**2/20/2028**	**493**
3	Demolition	4/1/2026	4/30/2026	22
3	Grading	5/1/2026	6/30/2026	43
3	Building Construction	7/1/2026	10/23/2027	343
3	Architectural Coating	10/24/2027	12/22/2027	43
3	Paving	12/23/2027	2/20/2028	42
9	**Student Housing U1**	**1/1/2032**	**4/22/2033**	**342**
9	Demolition	1/1/2032	1/28/2032	20
9	Grading	1/29/2032	2/27/2032	22
9	Building Construction	2/28/2032	2/21/2033	256
9	Architectural Coating	2/22/2033	3/23/2033	22
9	Paving	3/24/2033	4/22/2033	22
8	**Parking Structure U8**	**1/1/2032**	**4/22/2033**	**342**
8	Demolition	1/1/2032	1/28/2032	20
8	Grading	1/29/2032	3/28/2032	42
8	Building Construction	3/29/2032	1/22/2033	215
8	Architectural Coating	1/23/2033	3/23/2033	43
8	Paving	3/24/2033	4/22/2033	22
6	**Affordable Housing A3**	**2/1/2030**	**12/23/2031**	**493**
6	Demolition	2/1/2030	3/3/2030	21
6	Grading	3/4/2030	5/2/2030	44
6	Building Construction	5/3/2030	8/25/2031	342
6	Architectural Coating	8/26/2031	10/24/2031	44
6	Paving	10/25/2031	12/23/2031	42
7	**Affordable Housing A4**	**2/1/2030**	**12/23/2031**	**493**
7	Demolition	2/1/2030	3/3/2030	21
7	Grading	3/4/2030	5/2/2030	44
7	Building Construction	5/3/2030	8/25/2031	342
7	Architectural Coating	8/26/2031	10/24/2031	44
7	Paving	10/25/2031	12/23/2031	42
5	**Student Housing U2**	**3/1/2028**	**6/21/2029**	**342**
5	Demolition	3/1/2028	3/28/2028	20
5	Grading	3/29/2028	4/27/2028	22
5	Building Construction	4/28/2028	4/22/2029	256
5	Architectural Coating	4/23/2029	5/22/2029	22
5	Paving	5/23/2029	6/21/2029	22
10	**Athletics Building U6**	**8/1/2033**	**11/19/2034**	**340**
10	Demolition	8/1/2033	8/26/2033	20
10	Grading	8/27/2033	9/25/2033	20
10	Building Construction	9/26/2033	9/20/2034	258
10	Architectural Coating	9/21/2034	10/20/2034	22
10	Paving	10/21/2034	11/19/2034	20
11	**Senior Affordable Housing A5**	**8/1/2033**	**6/22/2035**	**495**
11	Demolition	8/1/2033	8/31/2033	23
11	Grading	9/1/2033	10/30/2033	42
11	Building Construction	10/31/2033	2/22/2035	344
11	Architectural Coating	2/23/2035	4/23/2035	42
11	Paving	4/24/2035	6/22/2035	44
12	**Student Housing U3**	**7/1/2035**	**10/18/2036**	**340**
12	Demolition	7/1/2035	7/26/2035	19
12	Grading	7/27/2035	8/25/2035	21
12	Building Construction	8/26/2035	8/19/2036	257
12	Architectural Coating	8/20/2036	9/18/2036	22
12	Paving	9/19/2036	10/18/2036	21
13	**Workforce Housing Building U4**	**7/1/2035**	**10/18/2036**	**340**
13	Demolition	7/1/2035	7/26/2035	19
13	Grading	7/27/2035	8/25/2035	21
13	Building Construction	8/26/2035	8/19/2036	257
13	Architectural Coating	8/20/2036	9/18/2036	22
13	Paving	9/19/2036	10/18/2036	21

Source
"Z:\Shared\Projects\2021\D202100826.00 - CMWC Wellness Campus Development Addendum\03 Working

Phase start dates pushed back by 1 day for applicable phases so phases don't overlap for 1 day
Demolition phases shortened by a day if extended 1 day into next month

CMWC Project

Architectural and Area Coating Calculations

Phase 1

CalEEMod assumes the total surface for architectural coating equals:		
Residential Coating Area	2.7	times the floor square footage
	75%	interior
	25%	exterior
Nonresidential Coating Area	2	times the square footage
	75%	interior
	25%	exterior
Parking Lot Coating Area	6%	of the square footage
	0%	exterior for surface lot

Source: SCAQMD, CEQA Air Quality Handbook, (1993) A9-124.

Residential				
Land Use		**Area (sf)**	**Interior (sf)**	**Exterior (sf)**
			-	-
			-	-
			-	-
			-	-
Total Residential			-	-
			ENTER VALUES ABOVE INTO CALEEMOD	
Nonresidential				
Athletic Field	Recreational	21,720	32,580	10,860
			-	-
			-	-
			-	-
Total Nonresidential			**32,580**	**10,860**
			ENTER VALUES ABOVE INTO CALEEMOD	

Parking			
Land Use	**Area (sf)**	**Interior (sf)**	**Exterior (sf)**
		-	
		-	

Conservatively Assume 20% of athletic field needs coating

ENTER VALUES ABOVE INTO CALEEMOD

CalEEMod d	
Interior	
	288971
	321,551

CMWC Project

Architectural and Area Coating Calculations

Phase 4

CalEEMod assumes the total surface for architectural coating equals:		
Residential Coating Area	2.7	times the floor square footage
	75%	interior
	25%	exterior
Nonresidential Coating Area	2	times the square footage
	75%	interior
	25%	exterior
Parking Lot Coating Area	5%	of the square footage
	90%	interior
	10%	exterior
Parking Lot Coating Area	6%	of the square footage
	0%	exterior for surface lot

Source: SCAQMD, CEQA Air Quality Handbook, (1993) A9-124.

Residential				
Land Use		**Area (sf)**	**Interior (sf)**	**Exterior (sf)**
		-	-	-
			-	-
			-	-
			-	-
			-	-
Total Residential			-	-
			ENTER VALUES ABOVE INTO CALEEMOD	

Nonresidential				
Office Building (includes 5,000 sf of com	General Office	121,000	181,500	60,500
			-	-
			-	-
			-	-
Total Non Parking Nonresidential			**181,500**	**60,500**
			ENTER VALUES ABOVE INTO CALEEMOD	

Parking Non-residential				
Land Use		**Area (sf)**	**Interior (sf)**	**Exterior (sf)**
Parking	Enclosed Parking with Elevator	39,400	**1,773**	**197**
Hardscape+Landscape+Open space	Other Non-asphalt surface	14,300	**644**	**72**
			-	-
			-	-
			-	-
			-	
			-	
			-	
			-	
			-	
Total Nonresidential			**183,917**	**60,769**

Parking				
Land Use		**Area (sf)**	**Interior (sf)**	**Exterior (sf)**
Parking	Enclosed Parking with Elevator	39,400	**2,364**	
Hardscape+Landscape+Open space	Other Non-asphalt surface	14,300	**858**	
			-	
			-	
			-	
			3,222	
			ENTER VALUES ABOVE INTO CALEEMOD	

CalEEMod Default

Residential		**Non Res**			
Interior	**Exterior**	**Interior**	**Exterior**	**Parking**	**Total**
		181,892.04	60,543.56	2,247.70	244683.296

Calculated

Residential		**Non Res**				
Interior	**Exterior**	**Interior**	**Exterior**	**Parking**	**Total**	
-	-	183,917	60,769	3,222	247908.00	
0	0	2,024.96	225.44	974.304	3224.70	Difference sf
					1.32%	% Difference

CMWC Project

Architectural and Area Coating Calculations

Phase 2

CalEEMod assumes the total surface for architectural coating equals:		
Residential Coating Area	2.7	times the floor square footage
	75%	interior
	25%	exterior
Nonresidential Coating Area	2	times the square footage
	75%	interior
	25%	exterior
Parking Lot Coating Area	5%	of the square footage
	90%	interior
	10%	exterior
Parking Lot Coating Area	6%	of the square footage
	0%	exterior for surface lot

Source: SCAQMD, CEQA Air Quality Handbook, (1993) A9-124.

Residential				
Land Use		**Area (sf)**	**Interior (sf)**	**Exterior (sf)**
Affordable Housing Building 1	Apartments Mid Rise	52,500	106,313	35,438
			-	-
			-	-
			-	-
			-	-
Total Residential			**106,313**	**35,438**
			ENTER VALUES ABOVE INTO CALEEMOD	

Nonresidential				
			-	-
			-	-
			-	-
			-	-
Total Non Parking Nonresidential			**-**	**-**
			ENTER VALUES ABOVE INTO CALEEMOD	

Parking Non-residential				
Land Use		**Area (sf)**	**Interior (sf)**	**Exterior (sf)**
Enclosed Parking	Enclosed Parking with Elevator	12,000	**540**	**60**
Hardscape+Landscape+Open space	Other Non-asphalt surface	14,450	**651**	**73**
			-	**-**
			-	**-**
			-	
Total Nonresidential			**1,191**	**133**

Parking				
Land Use		**Area (sf)**	**Interior (sf)**	**Exterior (sf)**
Enclosed Parking	Enclosed Parking with Elevator	12,000	**720**	
Hardscape+Landscape+Open space	Other Non-asphalt surface	14,450	**867**	
			-	
			-	
			-	
			1,587	
			ENTER VALUES ABOVE INTO CALEEMOD	

CMWC Project

Architectural and Area Coating Calculations

Phase 3

CalEEMod assumes the total surface for architectural coating equals:		
Residential Coating Area	2.7	times the floor square footage
	75%	interior
	25%	exterior
Nonresidential Coating Area	2	times the square footage
	75%	interior
	25%	exterior
Parking Lot Coating Area	5%	of the square footage
	90%	interior
	10%	exterior
Parking Lot Coating Area	6%	of the square footage
	0%	exterior for surface lot

Source: SCAQMD, CEQA Air Quality Handbook, (1993) A9-124.

Residential				
Land Use		**Area (sf)**	**Interior (sf)**	**Exterior (sf)**
Affordable Housing Building 2	Apartments Mid Rise	52,500	106,313	35,438
			-	-
			-	-
			-	-
			-	-
Total Residential			**106,313**	**35,438**
			ENTER VALUES ABOVE INTO CALEEMOD	

Nonresidential				
			-	-
			-	-
			-	-
			-	-
Total Non Parking Nonresidential			**-**	**-**
			ENTER VALUES ABOVE INTO CALEEMOD	

Parking Non-residential				
Land Use		**Area (sf)**	**Interior (sf)**	**Exterior (sf)**
Enclosed Parking	Enclosed Parking with Elevator	12,000	**540**	**60**
Open Space	Other Non-asphalt surface	14,650	**660**	**74**
			-	**-**
			-	**-**
			-	
Total Nonresidential			**1,200**	**134**

Parking				
Land Use		**Area (sf)**	**Interior (sf)**	**Exterior (sf)**
Enclosed Parking	Enclosed Parking with Elevator	12,000	**720**	
Open Space	Other Non-asphalt surface	14,650	**879**	
			-	
			-	
			-	
			1,599	
			ENTER VALUES ABOVE INTO CALEEMOD	

CMWC Project

Architectural and Area Coating Calculations

Phase 9

CalEEMod assumes the total surface for architectural coating equals:		
Residential Coating Area	2.7	times the floor square footage
	75%	interior
	25%	exterior
Nonresidential Coating Area	2	times the square footage
	75%	interior
	25%	exterior
Parking Lot Coating Area	5%	of the square footage
	90%	interior
	10%	exterior
Parking Lot Coating Area	6%	of the square footage
	0%	exterior for surface lot

Source: SCAQMD, CEQA Air Quality Handbook, (1993) A9-124.

Residential				
Land Use		**Area (sf)**	**Interior (sf)**	**Exterior (sf)**
Student Housing Building 1	Apartments Mid Rise	70,500	142,763	47,588
			-	-
			-	-
			-	-
			-	-
Total Residential			**142,763**	**47,588**
			ENTER VALUES ABOVE INTO CALEEMOD	

Nonresidential				
			-	-
			-	-
			-	-
			-	-
Total Non Parking Nonresidential			-	-
			ENTER VALUES ABOVE INTO CALEEMOD	

Parking Non-residential				
Land Use		**Area (sf)**	**Interior (sf)**	**Exterior (sf)**
Open Space	Other Non-asphalt surface	33,900	**1,526**	**170**
			-	-
			-	-
			-	-
			-	
Total Nonresidential			**1,526**	**170**

Parking				
Land Use		**Area (sf)**	**Interior (sf)**	**Exterior (sf)**
Open Space	Other Non-asphalt surface	33,900	**2,034**	
			-	
			-	
			-	
			-	
			2,034	
			ENTER VALUES ABOVE INTO CALEEMOD	

CMWC Project

Architectural and Area Coating Calculations

Phase 8

CalEEMod assumes the total surface for architectural coating equals:		
Residential Coating Area	2.7	times the floor square footage
	75%	interior
	25%	exterior
Nonresidential Coating Area	2	times the square footage
	75%	interior
	25%	exterior
Parking Lot Coating Area	5%	of the square footage
	90%	interior
	10%	exterior
Parking Lot Coating Area	6%	of the square footage
	0%	exterior for surface lot

Source: SCAQMD, CEQA Air Quality Handbook, (1993) A9-124.

Residential				
Land Use		**Area (sf)**	**Interior (sf)**	**Exterior (sf)**
			-	-
			-	-
			-	-
			-	-
			-	-
Total Residential			-	-
			ENTER VALUES ABOVE INTO CALEEMOD	

Nonresidential				
Parking Community Space	Unrefrigerated Warehouse No-Rail	11,500	17,250	5,750
			-	-
			-	-
			-	-
Total Non Parking Nonresidential			**17,250**	**5,750**
			ENTER VALUES ABOVE INTO CALEEMOD	

Parking Non-residential				
Land Use		**Area (sf)**	**Interior (sf)**	**Exterior (sf)**
Parking Structure	Enclosed Parking with Elevator	242,040	**10,892**	**1,211**
Hardscape+Landscape+Open space	Other Non-asphalt surface	23,400	**1,053**	**117**
			-	-
			-	-
			-	
Total Nonresidential			**29,195**	**7,078**

Parking				
Land Use		**Area (sf)**	**Interior (sf)**	**Exterior (sf)**
Parking Structure	Enclosed Parking with Elevator	242,040	**14,523**	
Hardscape+Landscape+Open space	Other Non-asphalt surface	23,400	**1,404**	
			-	
			-	
			-	
			15,927	
			ENTER VALUES ABOVE INTO CALEEMOD	

CMWC Project

Architectural and Area Coating Calculations

Phase 6

CalEEMod assumes the total surface for architectural coating equals:		
Residential Coating Area	2.7	times the floor square footage
	75%	interior
	25%	exterior
Nonresidential Coating Area	2	times the square footage
	75%	interior
	25%	exterior
Parking Lot Coating Area	5%	of the square footage
	90%	interior
	10%	exterior
Parking Lot Coating Area	6%	of the square footage
	0%	exterior for surface lot

Source: SCAQMD, CEQA Air Quality Handbook, (1993) A9-124.

Residential				
Land Use		**Area (sf)**	**Interior (sf)**	**Exterior (sf)**
Affordable Housing Building 3	Apartments Mid Rise	58,700	118,868	39,623
			-	-
			-	-
			-	-
			-	-
Total Residential			**118,868**	**39,623**
			ENTER VALUES ABOVE INTO CALEEMOD	

Nonresidential				
			-	-
			-	-
			-	-
			-	-
Total Non Parking Nonresidential			**-**	**-**
			ENTER VALUES ABOVE INTO CALEEMOD	

Parking Non-residential				
Land Use		**Area (sf)**	**Interior (sf)**	**Exterior (sf)**
Enclosed Parking	Enclosed Parking with Elevator	14,500	**653**	**73**
Open Space	Other Non-asphalt surface	14,550	**655**	**73**
			-	**-**
			-	**-**
			-	
Total Nonresidential			**1,308**	**146**

Parking				
Land Use		**Area (sf)**	**Interior (sf)**	**Exterior (sf)**
Enclosed Parking	Enclosed Parking with Elevator	14,500	**870**	
Open Space	Other Non-asphalt surface	14,550	**873**	
			-	
			-	
			-	
			1,743	
			ENTER VALUES ABOVE INTO CALEEMOD	

CMWC Project

Architectural and Area Coating Calculations

Phase 7

CalEEMod assumes the total surface for architectural coating equals:		
Residential Coating Area	2.7	times the floor square footage
	75%	interior
	25%	exterior
Nonresidential Coating Area	2	times the square footage
	75%	interior
	25%	exterior
Parking Lot Coating Area	5%	of the square footage
	90%	interior
	10%	exterior
Parking Lot Coating Area	6%	of the square footage
	0%	exterior for surface lot

Source: SCAQMD, CEQA Air Quality Handbook, (1993) A9-124.

Residential				
Land Use		**Area (sf)**	**Interior (sf)**	**Exterior (sf)**
Affordable Housing Building 4	Apartments Mid Rise	58,700	118,868	39,623
			-	-
			-	-
			-	-
			-	-
Total Residential			**118,868**	**39,623**
			ENTER VALUES ABOVE INTO CALEEMOD	

Nonresidential				
			-	-
			-	-
			-	-
			-	-
Total Non Parking Nonresidential			**-**	**-**
			ENTER VALUES ABOVE INTO CALEEMOD	

Parking Non-residential				
Land Use		**Area (sf)**	**Interior (sf)**	**Exterior (sf)**
Enclosed Parking	Enclosed Parking with Elevator	14,500	**653**	**73**
Open Space	Other Non-asphalt surface	14,850	**669**	**75**
			-	**-**
			-	**-**
			-	
Total Nonresidential			**1,322**	**148**

Parking				
Land Use		**Area (sf)**	**Interior (sf)**	**Exterior (sf)**
Enclosed Parking	Enclosed Parking with Elevator	14,500	**870**	
Open Space	Other Non-asphalt surface	14,850	**891**	
			-	
			-	
			-	
			1,761	
			ENTER VALUES ABOVE INTO CALEEMOD	

CMWC Project

Architectural and Area Coating Calculations

Phase 5

CalEEMod assumes the total surface for architectural coating equals:		
Residential Coating Area	2.7	times the floor square footage
	75%	interior
	25%	exterior
Nonresidential Coating Area	2	times the square footage
	75%	interior
	25%	exterior
Parking Lot Coating Area	5%	of the square footage
	90%	interior
	10%	exterior
Parking Lot Coating Area	6%	of the square footage
	0%	exterior for surface lot

Source: SCAQMD, CEQA Air Quality Handbook, (1993) A9-124.

Residential				
Land Use		**Area (sf)**	**Interior (sf)**	**Exterior (sf)**
Student Housing Building 2	Apartments Mid Rise	67,500	136,688	45,563
			-	-
			-	-
			-	-
			-	-
Total Residential			**136,688**	**45,563**
			ENTER VALUES ABOVE INTO CALEEMOD	

Nonresidential				
			-	-
			-	-
			-	-
			-	-
Total Non Parking Nonresidential			-	-
			ENTER VALUES ABOVE INTO CALEEMOD	

Parking Non-residential				
Land Use		**Area (sf)**	**Interior (sf)**	**Exterior (sf)**
Open Space	Other Non-asphalt surface	24,300	**1,094**	**122**
			-	-
			-	-
			-	-
			-	
Total Nonresidential			**1,094**	**122**

Parking				
Land Use		**Area (sf)**	**Interior (sf)**	**Exterior (sf)**
Open Space	Other Non-asphalt surface	24,300	**1,458**	
0	0	-	-	
			-	
			-	
			-	
			1,458	
			ENTER VALUES ABOVE INTO CALEEMOD	

CMWC Project

Architectural and Area Coating Calculations

Phase 10

CalEEMod assumes the total surface for architectural coating equals:		
Residential Coating Area	2.7	times the floor square footage
	75%	interior
	25%	exterior
Nonresidential Coating Area	2	times the square footage
	75%	interior
	25%	exterior
Parking Lot Coating Area	5%	of the square footage
	90%	interior
	10%	exterior
Parking Lot Coating Area	6%	of the square footage
	0%	exterior for surface lot

Source: SCAQMD, CEQA Air Quality Handbook, (1993) A9-124.

Residential				
Land Use		**Area (sf)**	**Interior (sf)**	**Exterior (sf)**
			-	-
			-	-
			-	-
			-	-
			-	-
Total Residential			-	-
			ENTER VALUES ABOVE INTO CALEEMOD	

Nonresidential				
Athletics Building	Health Club	43,100	64,650	21,550
			-	-
			-	-
			-	-
Total Non Parking Nonresidential			**64,650**	**21,550**
			ENTER VALUES ABOVE INTO CALEEMOD	

Parking Non-residential				
Land Use		**Area (sf)**	**Interior (sf)**	**Exterior (sf)**
Hardscape+Landscape+Open space	Other Non-asphalt surface	21,200	**954**	**106**
			-	-
			-	-
			-	-
			-	
Total Nonresidential			**65,604**	**21,656**

Parking				
Land Use		**Area (sf)**	**Interior (sf)**	**Exterior (sf)**
Hardscape+Landscape+Open space	Other Non-asphalt surface	21,200	**1,272**	
0	0	-	-	
			-	
			-	
			-	
			1,272	
			ENTER VALUES ABOVE INTO CALEEMOD	

CMWC Project

Architectural and Area Coating Calculations

Phase 11

CalEEMod assumes the total surface for architectural coating equals:		
Residential Coating Area	2.7	times the floor square footage
	75%	interior
	25%	exterior
Nonresidential Coating Area	2	times the square footage
	75%	interior
	25%	exterior
Parking Lot Coating Area	5%	of the square footage
	90%	interior
	10%	exterior
Parking Lot Coating Area	6%	of the square footage
	0%	exterior for surface lot

Source: SCAQMD, CEQA Air Quality Handbook, (1993) A9-124.

Residential				
Land Use		**Area (sf)**	**Interior (sf)**	**Exterior (sf)**
Senior Affordable Housing Building	Apartments Mid Rise	44,100	89,303	29,768
			-	-
			-	-
			-	-
			-	-
Total Residential			**89,303**	**29,768**
			ENTER VALUES ABOVE INTO CALEEMOD	

Nonresidential				
			-	-
			-	-
			-	-
			-	-
Total Non Parking Nonresidential			**-**	**-**
			ENTER VALUES ABOVE INTO CALEEMOD	

Parking Non-residential				
Land Use		**Area (sf)**	**Interior (sf)**	**Exterior (sf)**
Enclosed Parking	Enclosed Parking with Elevator	13,500	**608**	**68**
Open Space	Other Non-asphalt surface	14,300	**644**	**72**
			-	**-**
			-	**-**
			-	
Total Nonresidential			**1,252**	**140**

Parking				
Land Use		**Area (sf)**	**Interior (sf)**	**Exterior (sf)**
Enclosed Parking	Enclosed Parking with Elevator	13,500	**810**	
Open Space	Other Non-asphalt surface	14,300	**858**	
			-	
			-	
			-	
			1,668	
			ENTER VALUES ABOVE INTO CALEEMOD	

CMWC Project

Architectural and Area Coating Calculations

Phase 12

CalEEMod assumes the total surface for architectural coating equals:		
Residential Coating Area	2.7	times the floor square footage
	75%	interior
	25%	exterior
Nonresidential Coating Area	2	times the square footage
	75%	interior
	25%	exterior
Parking Lot Coating Area	5%	of the square footage
	90%	interior
	10%	exterior
Parking Lot Coating Area	6%	of the square footage
	0%	exterior for surface lot

Source: SCAQMD, CEQA Air Quality Handbook, (1993) A9-124.

Residential				
Land Use		**Area (sf)**	**Interior (sf)**	**Exterior (sf)**
Student Housing Building 3	Apartments Mid Rise	80,230	162,466	54,156
			-	-
			-	-
			-	-
			-	-
Total Residential			**162,466**	**54,156**
			ENTER VALUES ABOVE INTO CALEEMOD	
Nonresidential				
Shop	Strip Mall	10,270	15,405	5,135
University-Oriented Community Space	Health Club	5,000	7,500	2,500
			-	-
			-	-
Total Non Parking Nonresidential			**22,905**	**7,635**
			ENTER VALUES ABOVE INTO CALEEMOD	

Parking Non-residential				
Land Use		**Area (sf)**	**Interior (sf)**	**Exterior (sf)**
Hardscape+Landscape+Open space	Other Non-asphalt surface	32,400	**1,458**	**162**
			-	-
			-	-
			-	-
			-	
Total Nonresidential			**24,363**	**7,797**

Parking				
Land Use		**Area (sf)**	**Interior (sf)**	**Exterior (sf)**
Hardscape+Landscape+Open space	Other Non-asphalt surface	32,400	**1,944**	
0	0	-	-	
			-	
			-	
			-	
			1,944	
			ENTER VALUES ABOVE INTO CALEEMOD	

CMWC Project

Architectural and Area Coating Calculations

Phase 13

CalEEMod assumes the total surface for architectural coating equals:		
Residential Coating Area	2.7	times the floor square footage
	75%	interior
	25%	exterior
Nonresidential Coating Area	2	times the square footage
	75%	interior
	25%	exterior
Parking Lot Coating Area	5%	of the square footage
	90%	interior
	10%	exterior
Parking Lot Coating Area	6%	of the square footage
	0%	exterior for surface lot

Source: SCAQMD, CEQA Air Quality Handbook, (1993) A9-124.

Residential				
Land Use		**Area (sf)**	**Interior (sf)**	**Exterior (sf)**
Workforce Housing Building	Apartments Mid Rise	54,750	110,869	36,957
			-	-
			-	-
			-	-
			-	-
Total Residential			**110,869**	**36,957**
			ENTER VALUES ABOVE INTO CALEEMOD	

Nonresidential				
			-	-
			-	-
			-	-
			-	-
Total Non Parking Nonresidential			-	-
			ENTER VALUES ABOVE INTO CALEEMOD	

Parking Non-residential				
Land Use		**Area (sf)**	**Interior (sf)**	**Exterior (sf)**
Open Space	Other Non-asphalt surface	20,850	**939**	**105**
			-	-
			-	-
			-	-
			-	
Total Nonresidential			**939**	**105**

Parking				
Land Use		**Area (sf)**	**Interior (sf)**	**Exterior (sf)**
Open Space	Other Non-asphalt surface	20,850	**1,251**	
0	0	-	-	
			-	
			-	
			-	
			1,251	
			ENTER VALUES ABOVE INTO CALEEMOD	

CMWC Project

Architectural and Area Coating Calculations

Operations - Full Buildout

CalEEMod assumes the total surface for architectural coating equals:		
Residential Coating Area	2.7	times the floor square footage
	75%	interior
	25%	exterior
Nonresidential Coating Area	2	times the square footage
	75%	interior
	25%	exterior
Parking Lot Coating Area	5%	of the square footage
	90%	interior
	10%	exterior
Parking Lot Coating Area	6%	of the square footage
	0%	exterior for surface lot

Source: SCAQMD, CEQA Air Quality Handbook, (1993) A9-124.

Residential				
Land Use		**Area (sf)**	**Interior (sf)**	**Exterior (sf)**
Housing	Apartments Mid Rise	539,480	1,092,447	364,149
			-	-
			-	-
			-	-
			-	-
Total Nonresidential			**1,092,447**	**364,149**
			ENTER VALUES ABOVE INTO CALEEMOD	
Nonresidential				
Athletic Field	City Park	21,720	32,580	10,860
Office	General Office	121,000	181,500	60,500
Storage/Warehouse	Unrefrigerated Warehouse No-Rail	11,500	17,250	5,750
Recreational	Health Club	48,100	72,150	24,050
Shop	Strip Mall	10,270	15,405	5,135
Total Non Parking Nonresidential			**318,885**	**106,295**
			ENTER VALUES ABOVE INTO CALEEMOD	

Parking Non-residential				
Land Use		**Area (sf)**	**Interior (sf)**	**Exterior (sf)**
Enclosed Parking with Elevator	Enclosed Parking with Elevator	347,940	**15,658**	**1,740**
Hardscape+Landscape+Open space+Pri\	Other Non-asphalt surface	243,150	**10,942**	**1,216**
			-	-
			-	-
			-	
Total Nonresidential			**345,485**	**109,251**

Parking				
Land Use		**Area (sf)**	**Interior (sf)**	**Exterior (sf)**
Enclosed Parking with Elevator	Enclosed Parking with Elevator	347,940	**20,877**	
Hardscape+Landscape+Open space+Pri\	Other Non-asphalt surface	243,150	**14,589**	
			-	
			-	
			-	
			35,466	

Conservatively Assume 20% of athletic field needs coating

ENTER VALUES ABOVE INTO CALEEMOD

CMWC Project

Architectural and Area Coating Calculations

Interim Buildout

CalEEMod assumes the total surface for architectural coating equals:		
Residential Coating Area	2.7	times the floor square footage
	75%	interior
	25%	exterior
Nonresidential Coating Area	2	times the square footage
	75%	interior
	25%	exterior
Parking Lot Coating Area	5%	of the square footage
	90%	interior
	10%	exterior
Parking Lot Coating Area	6%	of the square footage
	0%	exterior for surface lot

Source: SCAQMD, CEQA Air Quality Handbook, (1993) A9-124.

Residential				
Land Use		**Area (sf)**	**Interior (sf)**	**Exterior (sf)**
Housing	Apartments Mid Rise	289,900	587,048	195,683
			-	-
			-	-
			-	-
			-	-
Total Nonresidential			**587,048**	**195,683**
			ENTER VALUES ABOVE INTO CALEEMOD	
Nonresidential				
Athletic Field	City Park	21,720	32,580	10,860
Office	General Office	121,000	181,500	60,500
			-	-
			-	-
Total Non Parking Nonresidential			**214,080**	**71,360**
			ENTER VALUES ABOVE INTO CALEEMOD	

Parking Non-residential				
Land Use		**Area (sf)**	**Interior (sf)**	**Exterior (sf)**
Enclosed Parking with Elevator	Enclosed Parking with Elevator	92,400	**4,158**	**462**
Hardscape+Landscape+Open space+Pri\	Other Non-asphalt surface	97,100	**4,370**	**486**
			-	-
			-	-
			-	
Total Nonresidential			**222,608**	**72,308**

Parking				
Land Use		**Area (sf)**	**Interior (sf)**	**Exterior (sf)**
Enclosed Parking with Elevator	Enclosed Parking with Elevator	92,400	**5,544**	
Hardscape+Landscape+Open space+Pri\	Other Non-asphalt surface	97,100	**5,826**	
			-	
			-	
			-	
			11,370	

Conservatively Assume 20% of athletic field needs coating

ENTER VALUES ABOVE INTO CALEEMOD

CMWC
Air Quality Assessment

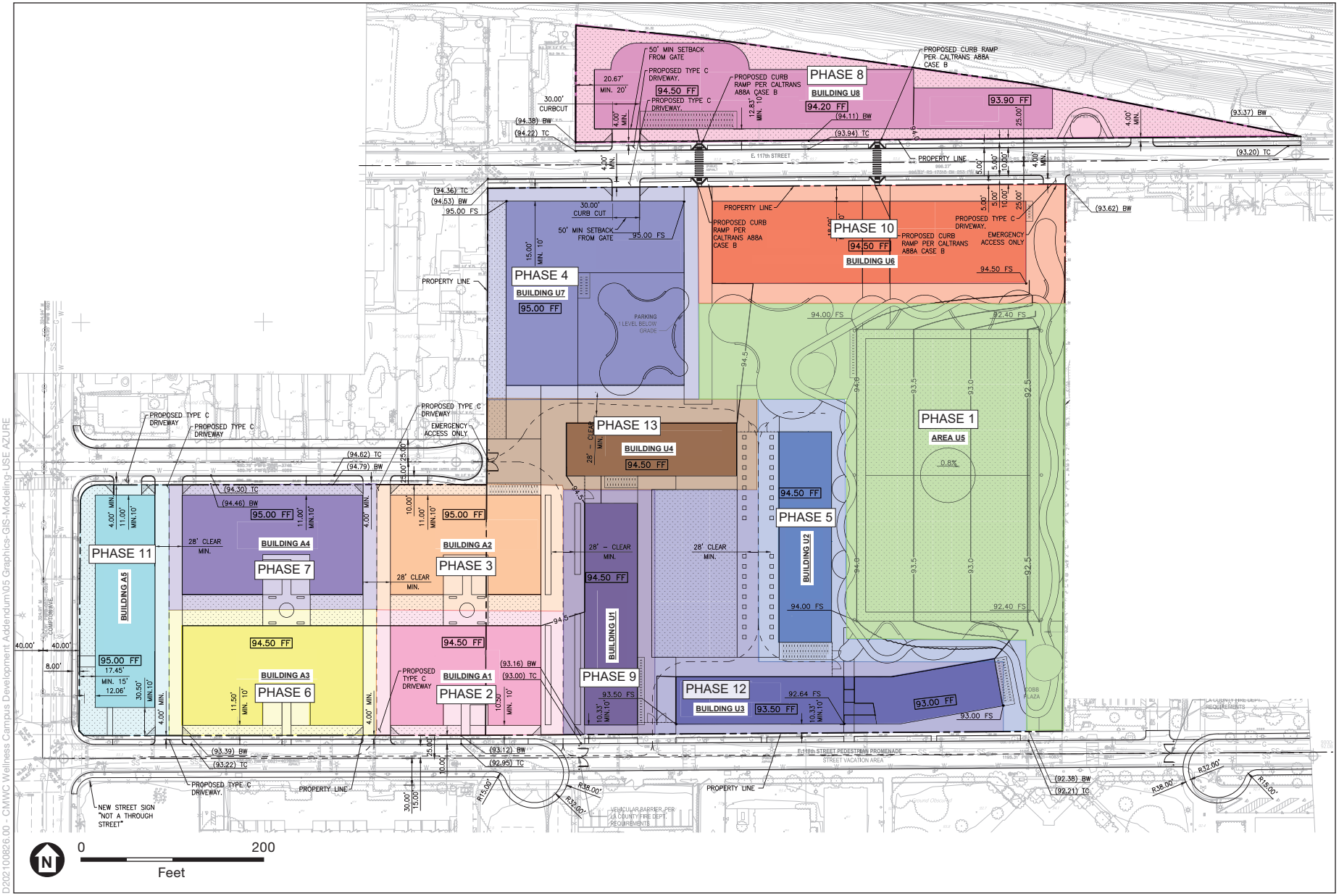
Localized Significance Thresholds - Phase 0 Demolition
(SCAQMD, Final Localized Significance Threshold Methodology, Appendix C (2008))

Source Receptor Area 12
25 meters to Sensitive Receptor

	Screening Values			Project Site [a]
Acres	1	2	5	6.89
Construction LSTs				
NOX	46	65	98	**118.8**
CO	231	346	630	**808.9**
PM10	4	7	13	**16.8**
PM2.5	3	4	7	**8.9**
Operational LSTs				
NOX	46	65	98	**118.8**
CO	231	346	630	**808.9**
PM10	1	2	4	**5.3**
PM2.5	1	1	2	**2.6**

Notes:

a. Project screening levels are linearly interpolated based on the 1-,2- and 5- acre acreening levels.



SOURCE: Fredrick Fisher and Partners, 2024

CDU Wellness and Education Campus

Figure A
Representative Worst-Case Construction Phasing

ESA

A.1-2 Construction Air Quality Calculations and Modeling

CMWC

Air Quality Construction Analysis

Regional Maximums	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
Source					lb/day					
phase0Demolition2025	0.45	7.02	20.11	0.05	0.09	2.06	2.15	0.09	0.40	0.49
phase0Site Prep2025	0.14	1.28	2.99	0.01	0.04	0.18	0.22	0.03	0.05	0.08
phase1Demolition2025	0.23	1.97	11.67	0.02	0.05	1.09	1.13	0.05	0.20	0.25
phase1Grading2025	0.27	1.24	14.94	0.02	0.05	2.89	2.94	0.05	1.37	1.41
phase1Building Construction2025	0.67	6.22	18.79	0.03	0.09	1.22	1.31	0.08	0.30	0.38
phase1Building Construction2026	0.63	6.13	17.76	0.03	0.09	1.22	1.31	0.08	0.30	0.38
phase1Architectural Coating2026	10.67	0.71	1.73	0.00	0.00	0.18	0.19	0.00	0.04	0.05
phase1Paving2026	0.27	2.25	9.47	0.01	0.04	0.20	0.23	0.04	0.05	0.08
phase4Demolition2028	0.22	1.90	11.48	0.02	0.05	1.05	1.10	0.05	0.19	0.24
phase4Grading2028	0.35	8.52	17.42	0.07	0.13	4.71	4.84	0.13	1.86	2.00
phase4Building Construction2028	0.51	5.40	14.51	0.03	0.07	0.95	1.02	0.07	0.23	0.30
phase4Building Construction2029	0.50	5.33	14.29	0.03	0.07	0.95	1.02	0.07	0.23	0.30
phase4Architectural Coating2029	27.42	0.68	1.55	0.00	0.00	0.14	0.15	0.00	0.03	0.04
phase4Paving2029	0.19	1.34	7.45	0.01	0.03	0.16	0.19	0.03	0.04	0.07
phase4Paving2030	0.18	1.34	7.41	0.01	0.03	0.16	0.19	0.03	0.04	0.07
phase2Demolition2026	0.09	0.56	4.46	0.01	0.01	0.37	0.39	0.01	0.07	0.09
phase2Grading2026	0.16	2.29	7.76	0.02	0.04	2.38	2.42	0.04	1.11	1.15
phase2Building Construction2026	0.30	1.74	11.94	0.02	0.03	0.57	0.60	0.03	0.14	0.16
phase2Building Construction2027	0.29	1.73	11.76	0.02	0.03	0.57	0.60	0.03	0.14	0.16
phase2Architectural Coating2027	8.00	0.68	1.36	0.00	0.00	0.10	0.10	0.00	0.02	0.03
phase2Paving2027	0.30	2.16	6.44	0.01	0.06	0.23	0.29	0.06	0.05	0.11
phase2Paving2028	0.30	2.15	6.39	0.01	0.06	0.23	0.29	0.06	0.05	0.11
phase3Demolition2026	0.09	0.56	4.46	0.01	0.01	0.24	0.25	0.01	0.05	0.06
phase3Grading2026	0.16	2.29	7.76	0.02	0.04	2.38	2.42	0.04	1.11	1.15
phase3Building Construction2026	0.30	1.74	11.94	0.02	0.03	0.57	0.60	0.03	0.14	0.16
phase3Building Construction2027	0.29	1.73	11.76	0.02	0.03	0.57	0.60	0.03	0.14	0.16
phase3Architectural Coating2027	8.01	0.68	1.36	0.00	0.00	0.10	0.10	0.00	0.02	0.03
phase3Paving2027	0.30	2.16	6.44	0.01	0.06	0.23	0.29	0.06	0.05	0.11
phase3Paving2028	0.30	2.15	6.39	0.01	0.06	0.23	0.29	0.06	0.05	0.11
phase9Demolition2032	0.21	1.18	11.14	0.02	0.04	0.22	0.26	0.04	0.05	0.09
phase9Grading2032	0.28	3.60	15.49	0.04	0.08	3.58	3.65	0.08	1.55	1.63
phase9Building Construction2032	0.43	4.66	13.35	0.02	0.06	0.74	0.81	0.06	0.18	0.24
phase9Building Construction2033	0.42	4.63	12.90	0.02	0.06	0.74	0.81	0.06	0.18	0.24
phase9Architectural Coating2033	20.89	0.67	1.33	0.00	0.00	0.14	0.14	0.00	0.03	0.03
phase9Paving2033	0.18	1.32	7.41	0.01	0.03	0.16	0.19	0.03	0.04	0.07
phase8Demolition2032	0.21	1.77	11.36	0.02	0.05	1.08	1.13	0.05	0.20	0.25
phase8Grading2032	0.28	2.81	15.20	0.03	0.07	3.35	3.42	0.07	1.49	1.56
phase8Building Construction2032	0.62	5.89	18.42	0.03	0.08	1.75	1.82	0.07	0.42	0.50
phase8Building Construction2033	0.60	5.80	17.49	0.03	0.08	1.75	1.82	0.07	0.42	0.50
phase8Architectural Coating2033	5.70	0.69	1.71	0.00	0.00	0.28	0.28	0.00	0.07	0.07
phase8Paving2033	0.18	1.32	7.41	0.01	0.03	0.16	0.19	0.03	0.04	0.07
phase6Demolition2030	0.09	0.74	4.35	0.01	0.02	0.59	0.61	0.02	0.11	0.13
phase6Grading2030	0.16	2.34	7.69	0.02	0.05	2.44	2.48	0.05	1.12	1.17
phase6Building Construction2030	0.29	1.69	11.61	0.02	0.03	0.65	0.68	0.03	0.15	0.18
phase6Building Construction2031	0.27	1.68	11.47	0.02	0.03	0.65	0.68	0.03	0.15	0.18
phase6Architectural Coating2031	8.73	0.67	1.37	0.00	0.00	0.12	0.12	0.00	0.03	0.03
phase6Paving2031	0.28	2.14	6.23	0.01	0.06	0.23	0.29	0.06	0.05	0.11
phase7Demolition2030	0.09	0.74	4.35	0.01	0.02	0.59	0.61	0.02	0.11	0.13
phase7Grading2030	0.16	2.34	7.69	0.02	0.05	2.44	2.48	0.05	1.12	1.17
phase7Building Construction2030	0.29	1.69	11.61	0.02	0.03	0.65	0.68	0.03	0.15	0.18
phase7Building Construction2031	0.27	1.68	11.47	0.02	0.03	0.65	0.68	0.03	0.15	0.18
phase7Architectural Coating2031	8.73	0.67	1.37	0.00	0.00	0.12	0.12	0.00	0.03	0.03
phase7Paving2031	0.28	2.14	6.23	0.01	0.06	0.23	0.29	0.06	0.05	0.11
phase5Demolition2028	0.09	0.78	4.41	0.01	0.02	0.44	0.46	0.02	0.09	0.11
phase5Grading2028	0.22	3.37	11.12	0.03	0.06	2.80	2.86	0.06	1.20	1.26
phase5Building Construction2028	0.30	1.08	11.06	0.01	0.03	0.72	0.75	0.03	0.17	0.20
phase5Building Construction2029	0.29	1.05	10.87	0.01	0.03	0.72	0.75	0.03	0.17	0.20
phase5Architectural Coating2029	19.82	0.68	1.49	0.00	0.00	0.13	0.13	0.00	0.03	0.03
phase5Paving2029	0.30	2.14	6.47	0.01	0.06	0.23	0.29	0.06	0.05	0.11
phase10Demolition2033	0.22	1.89	11.45	0.03	0.05	1.41	1.46	0.05	0.26	0.31
phase10Grading2033	0.33	6.20	16.55	0.06	0.12	4.43	4.55	0.12	1.79	1.90
phase10Building Construction2033	0.35	4.54	11.83	0.02	0.06	0.30	0.36	0.06	0.07	0.13
phase10Building Construction2034	0.34	4.54	11.78	0.02	0.06	0.30	0.36	0.06	0.07	0.13
phase10Architectural Coating2034	18.69	0.65	1.10	0.00	0.00	0.05	0.05	0.00	0.01	0.01
phase10Paving2034	0.18	1.32	7.30	0.01	0.03	0.16	0.19	0.03	0.04	0.07
phase11Demolition2033	0.08	0.68	4.33	0.01	0.02	0.53	0.54	0.02	0.10	0.12
phase11Grading2033	0.15	1.99	7.52	0.02	0.04	2.38	2.42	0.04	1.11	1.15
phase11Building Construction2033	0.26	1.63	10.97	0.02	0.03	0.65	0.68	0.03	0.16	0.18
phase11Building Construction2034	0.26	1.62	11.14	0.02	0.03	0.65	0.68	0.03	0.16	0.18
phase11Building Construction2035	0.25	1.61	10.81	0.02	0.03	0.65	0.68	0.03	0.16	0.18
phase11Architectural Coating2035	6.95	0.66	1.29	0.00	0.00	0.12	0.12	0.00	0.03	0.03
phase11Paving2035	0.28	2.11	6.20	0.01	0.06	0.23	0.29	0.06	0.05	0.11
phase12Demolition2035	0.20	1.14	11.13	0.02	0.04	0.29	0.33	0.04	0.06	0.10
phase12Grading2035	0.30	4.01	15.65	0.04	0.09	3.80	3.89	0.09	1.62	1.70
phase12Building Construction2035	0.49	4.84	14.24	0.02	0.06	1.21	1.27	0.06	0.29	0.35
phase12Building Construction2036	0.49	4.79	14.09	0.02	0.06	1.21	1.27	0.06	0.29	0.35
phase12Architectural Coating2036	25.45	0.67	1.55	0.00	0.00	0.22	0.22	0.00	0.05	0.05
phase12Paving2036	0.18	1.32	7.33	0.01	0.03	0.16	0.19	0.03	0.04	0.07
phase13Demolition2035	0.08	0.66	4.29	0.01	0.02	0.44	0.46	0.02	0.09	0.11
phase13Grading2035	0.20	2.59	10.72	0.03	0.06	2.74	2.80	0.06	1.18	1.24
phase13Building Construction2035	0.22	0.87	9.64	0.01	0.03	0.57	0.59	0.03	0.14	0.16
phase13Building Construction2036	0.21	0.85	9.57	0.01	0.03	0.57	0.59	0.03	0.14	0.16
phase13Architectural Coating2036	15.92	0.66	1.24	0.00	0.00	0.10	0.11	0.00	0.02	0.03
phase13Paving2036	0.28	2.11	6.16	0.01	0.06	0.23	0.29	0.06	0.05	0.11

CMWC - Regional Maximum Overlapping Phases
Air Quality Construction Analysis

Overlapping Phases										
	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
phase0Demolition2025+phase1Demolition2025	0.68	8.99	31.78	0.07	0.14	3.15	3.29	0.14	0.60	0.74
phase0Demolition2025+phase1Grading2025	0.73	8.26	35.05	0.07	0.14	4.96	5.09	0.14	1.76	1.90
phase0Site Prep2025+phase1Grading2025	0.41	2.52	17.92	0.03	0.08	3.07	3.16	0.08	1.41	1.49
phase4Demolition2028+phase5Demolition2028	0.31	2.68	15.89	0.03	0.06	1.49	1.56	0.06	0.28	0.35
phase4Grading2028+phase5Grading2028	0.56	11.89	28.54	0.10	0.19	7.51	7.70	0.19	3.06	3.25
phase4Grading2028+phase5Building Construction2028	0.65	9.60	28.48	0.08	0.16	5.44	5.59	0.16	2.04	2.19
phase4Building Construction2028+phase5Building Construction2028	0.81	6.48	25.57	0.04	0.09	1.67	1.76	0.09	0.40	0.50
phase4Building Construction2029+phase5Building Construction2029	0.79	6.38	25.16	0.04	0.09	1.67	1.76	0.09	0.40	0.50
phase4Building Construction2029+phase5Architectural Coating2029	20.32	6.01	15.78	0.03	0.07	1.08	1.15	0.07	0.26	0.33
phase4Building Construction2029+phase5Paving2029	0.80	7.47	20.76	0.03	0.13	1.18	1.30	0.12	0.29	0.41
phase2Demolition2026+phase3Demolition2026	0.18	1.12	8.91	0.01	0.03	0.61	0.64	0.03	0.12	0.15
phase2Grading2026+phase3Grading2026	0.32	4.59	15.51	0.04	0.09	4.76	4.85	0.09	2.22	2.30
phase2Building Construction2026+phase3Building Construction2026	0.60	3.48	23.88	0.03	0.06	1.14	1.20	0.06	0.27	0.33
phase2Building Construction2027+phase3Building Construction2027	0.59	3.46	23.51	0.03	0.06	1.14	1.19	0.06	0.27	0.33
phase2Architectural Coating2027+phase3Architectural Coating2027	16.01	1.36	2.72	0.00	0.00	0.20	0.21	0.00	0.05	0.05
phase2Paving2027+phase3Paving2027	0.60	4.32	12.88	0.02	0.12	0.46	0.58	0.11	0.11	0.22
phase2Paving2028+phase3Paving2028	0.59	4.31	12.77	0.02	0.12	0.46	0.58	0.11	0.11	0.22
phase9Demolition2032+phase8Demolition2032	0.42	2.95	22.50	0.04	0.09	1.30	1.39	0.09	0.25	0.33
phase9Grading2032+phase8Grading2032	0.56	6.42	30.68	0.07	0.15	6.93	7.07	0.15	3.04	3.19
phase9Building Construction2032+phase8Grading2032	0.71	7.47	28.55	0.05	0.13	4.09	4.22	0.13	1.67	1.80
phase9Building Construction2032+phase8Building Construction2032	1.05	10.55	31.77	0.05	0.14	2.49	2.63	0.13	0.60	0.74
phase9Building Construction2033+phase8Building Construction2033	1.03	10.43	30.39	0.05	0.14	2.49	2.63	0.13	0.60	0.74
phase9Building Construction2033+phase8Architectural Coating2033	6.12	5.32	14.61	0.02	0.07	1.02	1.09	0.06	0.24	0.31
phase9Architectural Coating2033+phase8Architectural Coating2033	26.59	1.36	3.03	0.00	0.00	0.41	0.42	0.00	0.10	0.10
phase9Paving2033+phase8Paving2033	0.36	2.65	14.81	0.02	0.06	0.33	0.39	0.06	0.08	0.13
phase6Demolition2030+phase7Demolition2030	0.17	1.49	8.71	0.02	0.03	1.18	1.21	0.03	0.22	0.26
phase6Grading2030+phase7Grading2030	0.32	4.68	15.39	0.05	0.09	4.87	4.97	0.09	2.25	2.34
phase6Building Construction2030+phase7Building Construction2030	0.59	3.39	23.23	0.03	0.06	1.29	1.35	0.06	0.31	0.37
phase6Building Construction2031+phase7Building Construction2031	0.54	3.37	22.94	0.03	0.06	1.29	1.35	0.06	0.31	0.37
phase6Architectural Coating2031+phase7Architectural Coating2031	17.47	1.34	2.75	0.00	0.00	0.23	0.24	0.00	0.05	0.06
phase6Paving2031+phase7Paving2031	0.57	4.27	12.47	0.02	0.12	0.46	0.58	0.11	0.11	0.22
phase10Demolition2033+phase11Demolition2033	0.30	2.58	15.78	0.03	0.07	1.93	2.00	0.07	0.36	0.42
phase10Grading2033+phase11Demolition2033	0.41	6.88	20.88	0.07	0.14	4.96	5.09	0.14	1.89	2.02
phase10Grading2033+phase11Grading2033	0.48	8.18	24.07	0.08	0.16	6.81	6.97	0.16	2.89	3.06
phase10Building Construction2033+phase11Grading2033	0.50	6.53	19.35	0.04	0.11	2.68	2.78	0.10	1.18	1.28
phase10Building Construction2033+phase11Building Construction2033	0.60	6.17	22.80	0.04	0.09	0.95	1.04	0.09	0.23	0.32
phase10Building Construction2034+phase11Building Construction2034	0.60	6.15	22.93	0.04	0.09	0.95	1.04	0.09	0.23	0.32
phase10Architectural Coating2034+phase11Building Construction2034	18.94	2.27	12.25	0.02	0.03	0.70	0.73	0.03	0.17	0.20
phase10Paving2034+phase11Building Construction2034	0.44	2.94	18.45	0.02	0.06	0.81	0.87	0.06	0.19	0.25
phase12Demolition2035+phase13Demolition2035	0.28	1.80	15.42	0.03	0.06	0.73	0.79	0.06	0.15	0.20
phase12Grading2035+phase13Grading2035	0.50	6.60	26.37	0.07	0.15	6.54	6.69	0.15	2.80	2.94
phase12Building Construction2035+phase13Building Construction2035	0.71	5.71	23.89	0.04	0.09	1.77	1.87	0.09	0.42	0.51
phase12Building Construction2036+phase13Building Construction2036	0.70	5.64	23.66	0.04	0.09	1.77	1.87	0.09	0.42	0.51
phase12Architectural Coating2036+phase13Architectural Coating2036	41.37	1.33	2.79	0.00	0.00	0.32	0.33	0.00	0.08	0.08
phase12Paving2036+phase13Paving2036	0.46	3.43	13.50	0.02	0.09	0.39	0.48	0.09	0.09	0.18
Project Daily Maximum Emissions	**41.37**	**11.89**	**35.05**	**0.10**	**0.19**	**7.51**	**7.70**	**0.19**	**3.06**	**3.25**
SCAQMD Regional Significance Thresholds	**75.00**	**100.00**	**550.00**	**150.00**	**None**	**None**	**150.00**	**none**	**none**	**55.00**
Exceeds Thresholds?	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**

CMWC

Air Quality Construction Analysis

Localized Maximum Source	ROG lb/day	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
phase0Demolition2025	0.36	4.51	18.17	0.03	0.06	1.30	1.36	0.06	0.20	0.26
phase0Site Prep2025	0.11	0.76	2.46	0.00	0.03	0.00	0.03	0.03	0.00	0.03
phase1Demolition2025	0.18	0.96	10.79	0.02	0.04	0.76	0.80	0.04	0.12	0.15
phase1Grading2025	0.23	1.20	14.24	0.02	0.05	2.76	2.81	0.05	1.34	1.38
phase1Building Construction2025	0.34	4.53	13.29	0.02	0.07	0.00	0.07	0.07	0.00	0.07
phase1Building Construction2026	0.34	4.53	13.29	0.02	0.07	0.00	0.07	0.07	0.00	0.07
phase1Architectural Coating2026	10.62	0.65	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00
phase1Paving2026	0.21	2.19	8.64	0.01	0.04	0.00	0.04	0.04	0.00	0.04
phase4Demolition2028	0.18	0.96	10.79	0.02	0.04	0.73	0.76	0.04	0.11	0.15
phase4Grading2028	0.23	1.20	14.24	0.02	0.05	2.77	2.82	0.05	1.34	1.38
phase4Building Construction2028	0.30	4.32	10.99	0.02	0.06	0.00	0.06	0.06	0.00	0.06
phase4Building Construction2029	0.30	4.32	10.99	0.02	0.06	0.00	0.06	0.06	0.00	0.06
phase4Architectural Coating2029	27.39	0.65	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00
phase4Paving2029	0.15	1.30	6.89	0.01	0.03	0.00	0.03	0.03	0.00	0.03
phase4Paving2030	0.15	1.30	6.89	0.01	0.03	0.00	0.03	0.03	0.00	0.03
phase2Demolition2026	0.06	0.30	3.88	0.01	0.01	0.22	0.23	0.01	0.03	0.04
phase2Grading2026	0.12	0.63	6.82	0.01	0.02	1.92	1.94	0.02	0.99	1.01
phase2Building Construction2026	0.15	1.32	9.31	0.01	0.03	0.00	0.03	0.03	0.00	0.03
phase2Building Construction2027	0.15	1.32	9.31	0.01	0.03	0.00	0.03	0.03	0.00	0.03
phase2Architectural Coating2027	7.98	0.65	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00
phase2Paving2027	0.24	2.09	5.55	0.01	0.06	0.00	0.06	0.06	0.00	0.06
phase2Paving2028	0.24	2.09	5.55	0.01	0.06	0.00	0.06	0.06	0.00	0.06
phase3Demolition2026	0.06	0.30	3.88	0.01	0.01	0.08	0.09	0.01	0.01	0.02
phase3Grading2026	0.12	0.63	6.82	0.01	0.02	1.92	1.94	0.02	0.99	1.01
phase3Building Construction2026	0.15	1.32	9.31	0.01	0.03	0.00	0.03	0.03	0.00	0.03
phase3Building Construction2027	0.15	1.32	9.31	0.01	0.03	0.00	0.03	0.03	0.00	0.03
phase3Architectural Coating2027	7.98	0.65	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00
phase3Paving2027	0.24	2.09	5.55	0.01	0.06	0.00	0.06	0.06	0.00	0.06
phase3Paving2028	0.24	2.09	5.55	0.01	0.06	0.00	0.06	0.06	0.00	0.06
phase9Demolition2032	0.18	0.96	10.79	0.02	0.04	0.06	0.10	0.04	0.01	0.05
phase9Grading2032	0.23	1.20	14.24	0.02	0.05	2.77	2.81	0.05	1.34	1.38
phase9Building Construction2032	0.30	4.32	10.99	0.02	0.06	0.00	0.06	0.06	0.00	0.06
phase9Building Construction2033	0.30	4.32	10.99	0.02	0.06	0.00	0.06	0.06	0.00	0.06
phase9Architectural Coating2033	20.86	0.65	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00
phase9Paving2033	0.15	1.30	6.89	0.01	0.03	0.00	0.03	0.03	0.00	0.03
phase8Demolition2032	0.18	0.96	10.79	0.02	0.04	0.76	0.80	0.04	0.12	0.15
phase8Grading2032	0.23	1.20	14.24	0.02	0.05	2.77	2.81	0.05	1.34	1.38
phase8Building Construction2032	0.33	4.48	13.24	0.02	0.07	0.00	0.07	0.06	0.00	0.06
phase8Building Construction2033	0.33	4.48	13.24	0.02	0.07	0.00	0.07	0.06	0.00	0.06
phase8Architectural Coating2033	5.65	0.65	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00
phase8Paving2033	0.15	1.30	6.89	0.01	0.03	0.00	0.03	0.03	0.00	0.03
phase6Demolition2030	0.06	0.30	3.88	0.01	0.01	0.38	0.39	0.01	0.06	0.07
phase6Grading2030	0.12	0.63	6.82	0.01	0.02	1.92	1.94	0.02	0.99	1.01
phase6Building Construction2030	0.15	1.32	9.31	0.01	0.03	0.00	0.03	0.03	0.00	0.03
phase6Building Construction2031	0.15	1.32	9.31	0.01	0.03	0.00	0.03	0.03	0.00	0.03
phase6Architectural Coating2031	8.71	0.65	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00
phase6Paving2031	0.24	2.08	5.55	0.01	0.06	0.00	0.06	0.06	0.00	0.06
phase7Demolition2030	0.06	0.30	3.88	0.01	0.01	0.38	0.39	0.01	0.06	0.07
phase7Grading2030	0.12	0.63	6.82	0.01	0.02	1.92	1.94	0.02	0.99	1.01
phase7Building Construction2030	0.15	1.32	9.31	0.01	0.03	0.00	0.03	0.03	0.00	0.03
phase7Building Construction2031	0.15	1.32	9.31	0.01	0.03	0.00	0.03	0.03	0.00	0.03
phase7Architectural Coating2031	8.71	0.65	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00
phase7Paving2031	0.24	2.08	5.55	0.01	0.06	0.00	0.06	0.06	0.00	0.06
phase5Demolition2028	0.06	0.30	3.88	0.01	0.01	0.23	0.24	0.01	0.04	0.05
phase5Grading2028	0.16	0.84	9.79	0.02	0.03	2.08	2.11	0.03	1.00	1.03
phase5Building Construction2028	0.12	0.64	8.10	0.01	0.02	0.00	0.02	0.02	0.00	0.02
phase5Building Construction2029	0.12	0.64	8.10	0.01	0.02	0.00	0.02	0.02	0.00	0.02
phase5Architectural Coating2029	19.79	0.65	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00
phase5Paving2029	0.24	2.08	5.55	0.01	0.06	0.00	0.06	0.06	0.00	0.06
phase10Demolition2033	0.18	0.96	10.79	0.02	0.04	1.03	1.06	0.04	0.16	0.19
phase10Grading2033	0.23	1.20	14.24	0.02	0.05	2.77	2.82	0.05	1.34	1.38
phase10Building Construction2033	0.30	4.32	10.99	0.02	0.06	0.00	0.06	0.06	0.00	0.06
phase10Building Construction2034	0.30	4.32	10.99	0.02	0.06	0.00	0.06	0.06	0.00	0.06
phase10Architectural Coating2034	18.68	0.65	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00
phase10Paving2034	0.15	1.30	6.89	0.01	0.03	0.00	0.03	0.03	0.00	0.03
phase11Demolition2033	0.06	0.30	3.88	0.01	0.01	0.32	0.33	0.01	0.05	0.06
phase11Grading2033	0.12	0.63	6.82	0.01	0.02	1.92	1.94	0.02	0.99	1.01
phase11Building Construction2033	0.15	1.32	9.31	0.01	0.03	0.00	0.03	0.03	0.00	0.03
phase11Building Construction2034	0.15	1.32	9.31	0.01	0.03	0.00	0.03	0.03	0.00	0.03
phase11Building Construction2035	0.15	1.32	9.31	0.01	0.03	0.00	0.03	0.03	0.00	0.03
phase11Architectural Coating2035	6.93	0.65	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00
phase11Paving2035	0.24	2.08	5.55	0.01	0.06	0.00	0.06	0.06	0.00	0.06
phase12Demolition2035	0.18	0.96	10.79	0.02	0.04	0.14	0.17	0.04	0.02	0.06
phase12Grading2035	0.23	1.20	14.24	0.02	0.05	2.77	2.82	0.05	1.34	1.38
phase12Building Construction2035	0.30	4.32	10.99	0.02	0.06	0.00	0.06	0.06	0.00	0.06
phase12Building Construction2036	0.30	4.32	10.99	0.02	0.06	0.00	0.06	0.06	0.00	0.06
phase12Architectural Coating2036	25.41	0.65	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00
phase12Paving2036	0.15	1.30	6.89	0.01	0.03	0.00	0.03	0.03	0.00	0.03
phase13Demolition2035	0.06	0.30	3.88	0.01	0.01	0.23	0.24	0.01	0.03	0.05
phase13Grading2035	0.16	0.84	9.79	0.02	0.03	2.08	2.11	0.03	1.00	1.03
phase13Building Construction2035	0.12	0.64	8.10	0.01	0.02	0.00	0.02	0.02	0.00	0.02
phase13Building Construction2036	0.12	0.64	8.10	0.01	0.02	0.00	0.02	0.02	0.00	0.02
phase13Architectural Coating2036	15.90	0.65	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00
phase13Paving2036	0.24	2.08	5.55	0.01	0.06	0.00	0.06	0.06	0.00	0.06

CMWC - Localized Maximum Overlapping Phases
Air Quality Construction Analysis

Overlapping Phases

	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
phase0Demolition2025+phase1Demolition2025	0.55	5.46	28.96	0.05	0.10	2.06	2.16	0.10	0.31	0.41
phase0Demolition2025+phase1Grading2025	0.59	5.71	32.41	0.06	0.11	4.06	4.17	0.11	1.53	1.64
phase0Site Prep2025+phase1Grading2025	0.34	1.97	16.70	0.03	0.08	2.76	2.84	0.08	1.34	1.41
phase4Demolition2028+phase5Demolition2028	0.24	1.26	14.67	0.02	0.05	0.96	1.01	0.05	0.15	0.19
phase4Grading2028+phase5Grading2028	0.39	2.04	24.03	0.04	0.08	4.85	4.93	0.08	2.34	2.42
phase4Grading2028+phase5Building Construction2028	0.35	1.84	22.34	0.03	0.07	2.77	2.84	0.07	1.34	1.41
phase4Building Construction2028+phase5Building Construction2028	0.42	4.97	19.10	0.03	0.09	0.00	0.09	0.08	0.00	0.08
phase4Building Construction2029+phase5Building Construction2029	0.42	4.96	19.10	0.03	0.09	0.00	0.09	0.08	0.00	0.08
phase4Building Construction2029+phase5Architectural Coating2029	20.09	4.97	11.96	0.02	0.06	0.00	0.06	0.06	0.00	0.06
phase4Building Construction2029+phase5Paving2029	0.54	6.41	16.54	0.03	0.12	0.00	0.12	0.12	0.00	0.12
phase2Demolition2026+phase3Demolition2026	0.11	0.60	7.77	0.01	0.02	0.30	0.32	0.02	0.05	0.07
phase2Grading2026+phase3Grading2026	0.24	1.26	13.65	0.02	0.05	3.84	3.89	0.05	1.97	2.02
phase2Building Construction2026+phase3Building Construction2026	0.30	2.64	18.62	0.03	0.06	0.00	0.06	0.06	0.00	0.06
phase2Building Construction2027+phase3Building Construction2027	0.30	2.64	18.62	0.03	0.06	0.00	0.06	0.06	0.00	0.06
phase2Architectural Coating2027+phase3Architectural Coating2027	15.96	1.29	1.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00
phase2Paving2027+phase3Paving2027	0.47	4.17	11.09	0.02	0.12	0.00	0.12	0.11	0.00	0.11
phase2Paving2028+phase3Paving2028	0.47	4.17	11.09	0.02	0.12	0.00	0.12	0.11	0.00	0.11
phase9Demolition2032+phase8Demolition2032	0.37	1.92	21.58	0.04	0.07	0.82	0.90	0.07	0.12	0.20
phase9Grading2032+phase8Grading2032	0.46	2.40	28.48	0.05	0.09	5.53	5.63	0.09	2.67	2.76
phase9Building Construction2032+phase8Grading2032	0.53	5.52	25.23	0.04	0.11	2.77	2.87	0.11	1.34	1.44
phase9Building Construction2032+phase8Building Construction2032	0.63	8.80	24.23	0.04	0.13	0.00	0.13	0.12	0.00	0.12
phase9Building Construction2033+phase8Building Construction2033	0.63	8.79	24.23	0.04	0.13	0.00	0.13	0.12	0.00	0.12
phase9Building Construction2033+phase8Architectural Coating2033	5.95	4.96	11.96	0.02	0.06	0.00	0.06	0.06	0.00	0.06
phase9Architectural Coating2033+phase8Architectural Coating2033	26.51	1.29	1.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00
phase9Paving2033+phase8Paving2033	0.30	2.60	13.78	0.02	0.06	0.00	0.06	0.06	0.00	0.06
phase6Demolition2030+phase7Demolition2030	0.11	0.60	7.77	0.01	0.02	0.76	0.78	0.02	0.11	0.14
phase6Grading2030+phase7Grading2030	0.24	1.26	13.65	0.02	0.05	3.84	3.89	0.05	1.97	2.02
phase6Building Construction2030+phase7Building Construction2030	0.30	2.64	18.62	0.03	0.06	0.00	0.06	0.06	0.00	0.06
phase6Building Construction2031+phase7Building Construction2031	0.30	2.64	18.62	0.03	0.06	0.00	0.06	0.06	0.00	0.06
phase6Architectural Coating2031+phase7Architectural Coating2031	17.42	1.29	1.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00
phase6Paving2031+phase7Paving2031	0.48	4.17	11.09	0.02	0.12	0.00	0.12	0.11	0.00	0.11
phase10Demolition2033+phase11Demolition2033	0.24	1.26	14.67	0.02	0.05	1.34	1.39	0.05	0.20	0.25
phase10Grading2033+phase11Demolition2033	0.29	1.50	18.12	0.03	0.06	3.09	3.15	0.06	1.39	1.44
phase10Grading2033+phase11Grading2033	0.35	1.83	21.06	0.03	0.07	4.69	4.76	0.07	2.32	2.39
phase10Building Construction2033+phase11Grading2033	0.42	4.95	17.82	0.03	0.09	1.92	2.00	0.08	0.99	1.07
phase10Building Construction2033+phase11Building Construction2033	0.45	5.64	20.30	0.03	0.09	0.00	0.09	0.09	0.00	0.09
phase10Building Construction2034+phase11Building Construction2034	0.45	5.64	20.30	0.03	0.09	0.00	0.09	0.09	0.00	0.09
phase10Architectural Coating2034+phase11Building Construction2034	18.83	1.97	10.27	0.02	0.03	0.00	0.03	0.03	0.00	0.03
phase10Paving2034+phase11Building Construction2034	0.30	2.62	16.20	0.02	0.06	0.00	0.06	0.06	0.00	0.06
phase12Demolition2035+phase13Demolition2035	0.24	1.26	14.67	0.02	0.05	0.37	0.42	0.05	0.06	0.10
phase12Grading2035+phase13Grading2035	0.39	2.04	24.03	0.04	0.08	4.84	4.92	0.08	2.34	2.42
phase12Building Construction2035+phase13Building Construction2035	0.42	4.96	19.10	0.03	0.09	0.00	0.09	0.08	0.00	0.08
phase12Building Construction2036+phase13Building Construction2036	0.42	4.96	19.10	0.03	0.09	0.00	0.09	0.08	0.00	0.08
phase12Architectural Coating2036+phase13Architectural Coating2036	41.32	1.29	1.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00
phase12Paving2036+phase13Paving2036	0.39	3.38	12.44	0.02	0.09	0.00	0.09	0.09	0.00	0.09
Project Daily Maximum Emissions	**41.32**	**8.80**	**32.41**	**0.06**	**0.13**	**5.53**	**5.63**	**0.12**	**2.67**	**2.76**
SCAQMD Localized Significance Thresholds	**None**	**98.0**	**630.0**	**None**	**None**	**None**	**13.0**	**None**	**None**	**7.0**
Exceeds Thresholds?	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**

CMWC - P0

Air Quality Construction Analysis

Unmitigated

Regional Maximums Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
					lb/day					
Demolition-2025	0.45	7.02	20.11	0.05	0.09	2.06	2.15	0.09	0.40	0.49
Hydroseeding-2025	0.14	1.28	2.99	0.01	0.04	0.18	0.22	0.03	0.05	0.08
Project Daily Maximum Emissions	**0.45**	**7.02**	**20.11**	**0.05**	**0.09**	**2.06**	**2.15**	**0.09**	**0.40**	**0.49**
Threshold	**75.0**	**100.0**	**550.0**	**150.0**	**None**	**None**	**150.0**	**None**	**None**	**55.0**
Exceed Threshold (Y/N)?	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**

Localized Maximum Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
					lb/day					
Demolition-2025	0.36	4.51	18.17	0.03	0.06	1.30	1.36	0.06	0.20	0.26
Hydroseeding-2025	0.11	0.76	2.46	3.85E-03	0.03	4.06E-04	0.03	0.03	6.15E-05	0.03
Project Daily Maximum Emissions	**0.36**	**4.51**	**18.17**	**0.03**	**0.06**	**1.30**	**1.36**	**0.06**	**0.20**	**0.26**

CMWC - P0

Air Quality Construction Analysis

Unmitigated

Summer	Onsite Emissions										Offsite Emissions									
Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
	lb/day										lb/day									
Demolition-2025	0.36	4.51	18.17	0.03	0.06	1.30	1.36	0.06	0.20	0.26	0.09	2.51	1.94	0.01	0.03	0.76	0.79	0.03	0.20	0.23
Hydroseeding-2025	0.11	0.76	2.46	3.85E-03	0.03	4.06E-04	0.03	0.03	6.15E-05	0.03	0.03	0.51	0.53	2.78E-03	0.01	0.18	0.18	0.01	0.05	0.05

Regional Emissions	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
Demolition-2025	0.45	7.02	20.11	0.05	0.09	2.06	2.15	0.09	0.40	0.49
Hydroseeding-2025	0.14	1.28	2.99	0.01	0.04	0.18	0.22	0.03	0.05	0.08
Project Daily Maximum Emissions	**0.45**	**7.02**	**20.11**	**0.05**	**0.09**	**2.06**	**2.15**	**0.09**	**0.40**	**0.49**

CMWC - P0

Air Quality Construction Analysis

Unmitigated

Winter	Onsite Emissions										Offsite Emissions									
Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
	lb/day										lb/day									
Demolition-2025	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hydroseeding-2025	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Regional Emissions	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
Demolition-2025	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hydroseeding-2025	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Project Daily Maximum Emissions	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

CMWC - P1

Air Quality Construction Analysis

Unmitigated

Regional Maximums Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
					lb/day					
Demolition-2025	0.23	1.97	11.67	0.02	0.05	1.09	1.13	0.05	0.20	0.25
Grading-2025	0.27	1.24	14.94	0.02	0.05	2.89	2.94	0.05	1.37	1.41
Building Construction-2025	0.67	6.22	18.79	0.03	0.09	1.22	1.31	0.08	0.30	0.38
Building Construction-2026	0.63	6.13	17.76	0.03	0.09	1.22	1.31	0.08	0.30	0.38
Paving-2026	0.27	2.25	9.47	0.01	0.04	0.20	0.23	0.04	0.05	0.08
Architectural Coating-2026	10.67	0.71	1.73	1.73E-03	2.35E-03	0.18	0.19	2.35E-03	0.04	0.05
Project Daily Maximum Emissions	**10.67**	**6.22**	**18.79**	**0.03**	**0.09**	**2.89**	**2.94**	**0.08**	**1.37**	**1.41**
Threshold	**75.0**	**100.0**	**550.0**	**150.0**	**None**	**None**	**150.0**	**None**	**None**	**55.0**
Exceed Threshold (Y/N)?	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**

Localized Maximum Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
					lb/day					
Demolition-2025	0.18	0.96	10.79	0.02	0.04	0.76	0.80	0.04	0.12	0.15
Grading-2025	0.23	1.20	14.24	0.02	0.05	2.76	2.81	0.05	1.34	1.38
Building Construction-2025	0.34	4.53	13.29	0.02	0.07	0.00	0.07	0.07	0.00	0.07
Building Construction-2026	0.34	4.53	13.29	0.02	0.07	0.00	0.07	0.07	0.00	0.07
Paving-2026	0.21	2.19	8.64	0.01	0.04	0.00	0.04	0.04	0.00	0.04
Architectural Coating-2026	10.62	0.65	0.96	1.73E-03	2.35E-03	0.00	0.00	2.35E-03	0.00	2.35E-03
Project Daily Maximum Emissions	**10.62**	**4.53**	**14.24**	**0.02**	**0.07**	**2.76**	**2.81**	**0.07**	**1.34**	**1.38**

CMWC - P1

Air Quality Construction Analysis

Unmitigated

Summer	Onsite Emissions										Offsite Emissions									
Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
	lb/day										lb/day									
Demolition-2025	0.18	0.96	10.79	0.02	0.04	0.76	0.80	0.04	0.12	0.15	0.04	1.01	0.88	0.01	0.01	0.32	0.33	0.01	0.08	0.10
Grading-2025	0.23	1.20	14.24	0.02	0.05	2.76	2.81	0.05	1.34	1.38	0.04	0.04	0.70	0.00	0.00	0.13	0.13	0.00	0.03	0.03
Building Construction-2025	0.34	4.53	13.29	0.02	0.07	0.00	0.07	0.07	0.00	0.07	0.33	1.60	5.51	0.01	0.02	1.22	1.24	0.01	0.30	0.31
Building Construction-2026	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving-2026	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating-2026	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Regional Emissions	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
Demolition-2025	0.23	1.97	11.67	0.02	0.05	1.09	1.13	0.05	0.20	0.25
Grading-2025	0.27	1.24	14.94	0.02	0.05	2.89	2.94	0.05	1.37	1.41
Building Construction-2025	0.67	6.13	18.79	0.03	0.09	1.22	1.31	0.08	0.30	0.38
Building Construction-2026	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving-2026	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating-2026	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Project Daily Maximum Emissions	**0.67**	**6.13**	**18.79**	**0.03**	**0.09**	**2.89**	**2.94**	**0.08**	**1.37**	**1.41**

CMWC - P1

Air Quality Construction Analysis

Unmitigated

Winter	Onsite Emissions										Offsite Emissions									
Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
	lb/day										lb/day									
Demolition-2025	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading-2025	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction-2025	0.34	4.53	13.29	0.02	0.07	0.00	0.07	0.07	0.00	0.07	0.33	1.69	4.77	0.01	0.02	1.22	1.24	0.01	0.30	0.31
Building Construction-2026	0.34	4.53	13.29	0.02	0.07	0.00	0.07	0.07	0.00	0.07	0.29	1.60	4.47	0.01	0.02	1.22	1.24	0.01	0.30	0.31
Paving-2026	0.21	2.19	8.64	0.01	0.04	0.00	0.04	0.04	0.00	0.04	0.05	0.07	0.83	0.00	0.00	0.20	0.20	0.00	0.05	0.05
Architectural Coating-2026	10.62	0.65	0.96	1.73E-03	2.35E-03	0.00	0.00	2.35E-03	0.00	2.35E-03	0.05	0.06	0.77	0.00	0.00	0.18	0.18	0.00	0.04	0.04

Regional Emissions	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
Demolition-2025	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading-2025	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction-2025	0.67	6.22	18.06	0.03	0.09	1.22	1.31	0.08	0.30	0.38
Building Construction-2026	0.63	6.13	17.76	0.03	0.09	1.22	1.31	0.08	0.30	0.38
Paving-2026	0.27	2.25	9.47	0.01	0.04	0.20	0.23	0.04	0.05	0.08
Architectural Coating-2026	10.67	0.71	1.73	1.73E-03	2.35E-03	0.18	0.19	2.35E-03	0.04	0.05
Project Daily Maximum Emissions	**10.67**	**6.22**	**18.06**	**0.03**	**0.09**	**1.22**	**1.31**	**0.08**	**0.30**	**0.38**

CMWC - P2

Air Quality Construction Analysis

Umitigated

Regional Maximums Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
						lb/day				
Demolition-2026	0.09	0.56	4.46	0.01	0.01	0.37	0.39	0.01	0.07	0.09
Grading-2026	0.16	2.29	7.76	0.02	0.04	2.38	2.42	0.04	1.11	1.15
Building Construction-2026	0.30	1.74	11.94	0.02	0.03	0.57	0.60	0.03	0.14	0.16
Building Construction-2027	0.29	1.73	11.76	0.02	0.03	0.57	0.60	0.03	0.14	0.16
Paving-2027	0.30	2.16	6.44	0.01	0.06	0.23	0.29	0.06	0.05	0.11
Paving-2028	0.30	2.15	6.39	0.01	0.06	0.23	0.29	0.06	0.05	0.11
Architectural Coating-2027	8.00	0.68	1.36	1.73E-03	2.35E-03	0.10	0.10	2.35E-03	0.02	0.03
Project Daily Maximum Emissions	**8.00**	**2.29**	**11.94**	**0.02**	**0.06**	**2.38**	**2.42**	**0.06**	**1.11**	**1.15**
Threshold	**75.0**	**100.0**	**550.0**	**150.0**	**None**	**None**	**150.0**	**None**	**None**	**55.0**
Exceed Threshold (Y/N)?	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**

Localized Maximum Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
						lb/day				
Demolition-2026	0.06	0.30	3.88	0.01	0.01	0.22	0.23	0.01	0.03	0.04
Grading-2026	0.12	0.63	6.82	0.01	0.02	1.92	1.94	0.02	0.99	1.01
Building Construction-2026	0.15	1.32	9.31	0.01	0.03	0.00	0.03	0.03	0.00	0.03
Building Construction-2027	0.15	1.32	9.31	0.01	0.03	0.00	0.03	0.03	0.00	0.03
Paving-2027	0.24	2.09	5.55	0.01	0.06	0.00	0.06	0.06	0.00	0.06
Paving-2028	0.24	2.09	5.55	0.01	0.06	0.00	0.06	0.06	0.00	0.06
Architectural Coating-2027	7.98	0.65	0.96	1.73E-03	2.35E-03	0.00	2.35E-03	2.35E-03	0.00	2.35E-03
Project Daily Maximum Emissions	**7.98**	**2.09**	**9.31**	**0.01**	**0.06**	**1.92**	**1.94**	**0.06**	**0.99**	**1.01**

CMWC - P2

Air Quality Construction Analysis

Umitigated

Summer	Onsite Emissions										Offsite Emissions									
Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
	lb/day										lb/day									
Demolition-2026	0.06	0.30	3.88	0.01	0.01	0.22	0.23	0.01	0.03	0.04	0.03	0.26	0.57	1.39E-03	2.69E-03	0.15	0.16	2.69E-03	0.04	0.04
Grading-2026	0.12	0.63	6.82	0.01	0.02	1.92	1.94	0.02	0.99	1.01	0.04	1.66	0.93	0.01	0.02	0.46	0.48	0.02	0.12	0.14
Building Construction-2026	0.15	1.32	9.31	0.01	0.03	0.00	0.03	0.03	0.00	0.03	0.15	0.39	2.63	1.57E-03	3.14E-03	0.57	0.57	1.57E-03	0.14	0.14
Building Construction-2027	0.15	1.32	9.31	0.01	0.03	0.00	0.03	0.03	0.00	0.03	0.14	0.36	2.44	1.57E-03	1.57E-03	0.57	0.57	1.57E-03	0.14	0.14
Paving-2027	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving-2028	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating-2027	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Regional Emissions	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
Demolition-2026	0.09	0.56	4.46	0.01	0.01	0.37	0.39	0.01	0.07	0.09
Grading-2026	0.16	2.29	7.76	0.02	0.04	2.38	2.42	0.04	1.11	1.15
Building Construction-2026	0.30	1.71	11.94	0.02	0.03	0.57	0.60	0.03	0.14	0.16
Building Construction-2027	0.29	1.69	11.76	0.02	0.03	0.57	0.60	0.03	0.14	0.16
Paving-2027	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving-2028	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating-2027	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Project Daily Maximum Emissions	**0.30**	**2.29**	**11.94**	**0.02**	**0.04**	**2.38**	**2.42**	**0.04**	**1.11**	**1.15**

CMWC - P2

Air Quality Construction Analysis

Umitigated

Winter	Onsite Emissions										Offsite Emissions									
Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
	lb/day										lb/day									
Demolition-2026	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading-2026	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction-2026	0.15	1.32	9.31	0.01	0.03	0.00	0.03	0.03	0.00	0.03	0.15	0.42	2.26	0.00	0.00	0.57	0.57	0.00	0.14	0.14
Building Construction-2027	0.15	1.32	9.31	0.01	0.03	0.00	0.03	0.03	0.00	0.03	0.14	0.41	2.09	0.00	0.00	0.57	0.57	0.00	0.14	0.14
Paving-2027	0.24	2.09	5.55	0.01	0.06	0.00	0.06	0.06	0.00	0.06	0.06	0.08	0.89	0.00	0.00	0.23	0.23	0.00	0.05	0.05
Paving-2028	0.24	2.09	5.55	0.01	0.06	0.00	0.06	0.06	0.00	0.06	0.06	0.07	0.84	0.00	0.00	0.23	0.23	0.00	0.05	0.05
Architectural Coating-2027	7.98	0.65	0.96	1.73E-03	2.35E-03	0.00	0.00	0.00	0.00	0.00	0.03	0.03	0.40	0.00	0.00	0.10	0.10	0.00	0.02	0.02

Regional Emissions	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
Demolition-2026	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading-2026	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction-2026	0.30	1.74	11.57	0.02	0.03	0.57	0.60	0.03	0.14	0.16
Building Construction-2027	0.29	1.73	11.40	0.02	0.03	0.57	0.60	0.03	0.14	0.16
Paving-2027	0.30	2.16	6.44	0.01	0.06	0.23	0.29	0.06	0.05	0.11
Paving-2028	0.30	2.15	6.39	0.01	0.06	0.23	0.29	0.06	0.05	0.11
Architectural Coating-2027	8.00	0.68	1.36	1.73E-03	2.35E-03	0.10	0.10	0.00	0.02	0.03
Project Daily Maximum Emissions	**8.00**	**2.16**	**11.57**	**0.02**	**0.06**	**0.57**	**0.60**	**0.06**	**0.14**	**0.16**

CMWC - P3

Air Quality Construction Analysis

Umitigated

Regional Maximums Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
					lb/day					
Demolition-2026	0.09	0.56	4.46	0.01	0.01	0.24	0.25	0.01	0.05	0.06
Grading-2026	0.16	2.29	7.76	0.02	0.04	2.38	2.42	0.04	1.11	1.15
Building Construction-2026	0.30	1.74	11.94	0.02	0.03	0.57	0.60	0.03	0.14	0.16
Building Construction-2027	0.29	1.73	11.76	0.02	0.03	0.57	0.60	0.03	0.14	0.16
Paving-2027	0.30	2.16	6.44	0.01	0.06	0.23	0.29	0.06	0.05	0.11
Paving-2028	0.30	2.15	6.39	0.01	0.06	0.23	0.29	0.06	0.05	0.11
Architectural Coating-2027	8.01	0.68	1.36	1.73E-03	2.35E-03	0.10	0.10	2.35E-03	0.02	0.03
Project Daily Maximum Emissions	**8.01**	**2.29**	**11.94**	**0.02**	**0.06**	**2.38**	**2.42**	**0.06**	**1.11**	**1.15**
Threshold	**75.0**	**100.0**	**550.0**	**150.0**	**None**	**None**	**150.0**	**None**	**None**	**55.0**
Exceed Threshold (Y/N)?	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**

Localized Maximum Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
					lb/day					
Demolition-2026	0.06	0.30	3.88	0.01	0.01	0.08	0.09	0.01	0.01	0.02
Grading-2026	0.12	0.63	6.82	0.01	0.02	1.92	1.94	0.02	0.99	1.01
Building Construction-2026	0.15	1.32	9.31	0.01	0.03	0.00	0.03	0.03	0.00	0.03
Building Construction-2027	0.15	1.32	9.31	0.01	0.03	0.00	0.03	0.03	0.00	0.03
Paving-2027	0.24	2.09	5.55	0.01	0.06	0.00	0.06	0.06	0.00	0.06
Paving-2028	0.24	2.09	5.55	0.01	0.06	0.00	0.06	0.06	0.00	0.06
Architectural Coating-2027	7.98	0.65	0.96	1.73E-03	2.35E-03	0.00	2.35E-03	2.35E-03	0.00	2.35E-03
Project Daily Maximum Emissions	**7.98**	**2.09**	**9.31**	**0.01**	**0.06**	**1.92**	**1.94**	**0.06**	**0.99**	**1.01**

CMWC - P3

Air Quality Construction Analysis

Umitigated

Summer	Onsite Emissions										Offsite Emissions									
Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
	lb/day										lb/day									
Demolition-2026	0.06	0.30	3.88	0.01	0.01	0.08	0.09	0.01	0.01	0.02	0.03	0.26	0.57	1.39E-03	0.00	0.15	0.16	2.69E-03	0.04	0.04
Grading-2026	0.12	0.63	6.82	0.01	0.02	1.92	1.94	0.02	0.99	1.01	0.04	1.66	0.93	9.72E-03	0.02	0.46	0.48	0.02	0.12	0.14
Building Construction-2026	0.15	1.32	9.31	0.01	0.03	0.00	0.03	0.03	0.00	0.03	0.15	0.39	2.63	1.57E-03	0.00	0.57	0.57	1.57E-03	0.14	0.14
Building Construction-2027	0.15	1.32	9.31	0.01	0.03	0.00	0.03	0.03	0.00	0.03	0.14	0.36	2.44	1.57E-03	0.00	0.57	0.57	1.57E-03	0.14	0.14
Paving-2027	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving-2028	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating-2027	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Regional Emissions	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
Demolition-2026	0.09	0.56	4.46	0.01	0.01	0.24	0.25	0.01	0.05	0.06
Grading-2026	0.16	2.29	7.76	0.02	0.04	2.38	2.42	0.04	1.11	1.15
Building Construction-2026	0.30	1.71	11.94	0.02	0.03	0.57	0.60	0.03	0.14	0.16
Building Construction-2027	0.29	1.69	11.76	0.02	0.03	0.57	0.60	0.03	0.14	0.16
Paving-2027	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving-2028	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating-2027	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Project Daily Maximum Emissions	**0.30**	**2.29**	**11.94**	**0.02**	**0.04**	**2.38**	**2.42**	**0.04**	**1.11**	**1.15**

CMWC - P3

Air Quality Construction Analysis

Umitigated

Winter	Onsite Emissions										Offsite Emissions									
Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
	lb/day										lb/day									
Demolition-2026	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading-2026	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction-2026	0.15	1.32	9.31	0.01	0.03	0.00	0.03	0.03	0.00	0.03	0.15	0.42	2.26	1.57E-03	3.14E-03	0.57	0.57	1.57E-03	0.14	0.14
Building Construction-2027	0.15	1.32	9.31	0.01	0.03	0.00	0.03	0.03	0.00	0.03	0.14	0.41	2.09	1.57E-03	1.57E-03	0.57	0.57	1.57E-03	0.14	0.14
Paving-2027	0.24	2.09	5.55	0.01	0.06	0.00	0.06	0.06	0.00	0.06	0.06	0.08	0.89	0.00	0.00	0.23	0.23	0.00	0.05	0.05
Paving-2028	0.24	2.09	5.55	0.01	0.06	0.00	0.06	0.06	0.00	0.06	0.06	0.07	0.84	0.00	0.00	0.23	0.23	0.00	0.05	0.05
Architectural Coating-2027	7.98	0.65	0.96	1.73E-03	2.35E-03	0.00	0.00	2.35E-03	0.00	0.00	0.03	0.03	0.40	0.00	0.00	0.10	0.10	0.00	0.02	0.02

Regional Emissions	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
Demolition-2026	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading-2026	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction-2026	0.30	1.74	11.57	0.02	0.03	0.57	0.60	0.03	0.14	0.16
Building Construction-2027	0.29	1.73	11.40	0.02	0.03	0.57	0.60	0.03	0.14	0.16
Paving-2027	0.30	2.16	6.44	0.01	0.06	0.23	0.29	0.06	0.05	0.11
Paving-2028	0.30	2.15	6.39	0.01	0.06	0.23	0.29	0.06	0.05	0.11
Architectural Coating-2027	8.01	0.68	1.36	1.73E-03	2.35E-03	0.10	0.10	2.35E-03	0.02	0.03
Project Daily Maximum Emissions	**8.01**	**2.16**	**11.57**	**0.02**	**0.06**	**0.57**	**0.60**	**0.06**	**0.14**	**0.16**

CMWC - P4

Air Quality Construction Analysis

Unmitigated

Regional Maximums Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
					lb/day					
Demolition-2028	0.22	1.90	11.48	0.02	0.05	1.05	1.10	0.05	0.19	0.24
Grading-2028	0.35	8.52	17.42	0.07	0.13	4.71	4.84	0.13	1.86	2.00
Building Construction-2028	0.41	2.39	10.02	0.02	0.06	0.95	1.00	0.05	0.23	0.29
Building Construction-2029	0.40	2.32	9.80	0.02	0.06	0.95	1.00	0.05	0.23	0.29
Paving-2029	0.19	1.34	7.45	0.01	0.03	0.16	0.19	0.03	0.04	0.07
Paving-2030	0.18	1.34	7.41	0.01	0.03	0.16	0.19	0.03	0.04	0.07
Architectural Coating-2029	27.42	0.68	1.55	1.73E-03	2.35E-03	0.14	0.15	2.35E-03	0.03	0.04
Project Daily Maximum Emissions	**27.42**	**8.52**	**17.42**	**0.07**	**0.13**	**4.71**	**4.84**	**0.13**	**1.86**	**2.00**
Threshold	**75.0**	**100.0**	**550.0**	**150.0**	**None**	**None**	**150.0**	**None**	**None**	**55.0**
Exceed Threshold (Y/N)?	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**

Localized Maximum Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
					lb/day					
Demolition-2028	0.18	0.96	10.79	0.02	0.04	0.73	0.76	0.04	0.11	0.15
Grading-2028	0.23	1.20	14.24	0.02	0.05	2.77	2.82	0.05	1.34	1.38
Building Construction-2028	0.20	1.31	6.50	0.01	0.05	0.00	0.05	0.05	0.00	0.05
Building Construction-2029	0.20	1.31	6.50	0.01	0.05	0.00	0.05	0.05	0.00	0.05
Paving-2029	0.15	1.30	6.89	0.01	0.03	0.00	0.03	0.03	0.00	0.03
Paving-2030	0.15	1.30	6.89	0.01	0.03	0.00	0.03	0.03	0.00	0.03
Architectural Coating-2029	27.39	0.65	0.96	1.73E-03	2.35E-03	0.00	2.35E-03	2.35E-03	0.00	2.35E-03
Project Daily Maximum Emissions	**27.39**	**1.31**	**14.24**	**0.02**	**0.05**	**2.77**	**2.82**	**0.05**	**1.34**	**1.38**

CMWC - P4

Air Quality Construction Analysis

Unmitigated

Summer	Onsite Emissions										Offsite Emissions									
Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
	lb/day										lb/day									
Demolition-2028	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading-2028	0.23	1.20	14.24	0.02	0.05	2.77	2.82	0.05	1.34	1.38	0.12	7.06	3.18	0.04	0.09	1.94	2.03	0.09	0.53	0.61
Building Construction-2028	0.20	1.31	6.50	0.01	0.05	0.00	0.05	0.05	0.00	0.05	0.21	1.01	3.52	0.01	0.01	0.95	0.95	0.01	0.23	0.24
Building Construction-2029	0.20	1.31	6.50	0.01	0.05	0.00	0.05	0.05	0.00	0.05	0.20	0.95	3.29	0.01	0.01	0.95	0.95	0.01	0.23	0.24
Paving-2029	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving-2030	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating-2029	27.39	0.65	0.96	1.73E-03	2.35E-03	0.00	2.35E-03	2.35E-03	0.00	2.35E-03	0.04	0.03	0.58	0.00	0.00	0.14	0.14	0.00	0.03	0.03

Regional Emissions	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
Demolition-2028	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading-2028	0.35	8.26	17.42	0.07	0.13	4.71	4.84	0.13	1.86	2.00
Building Construction-2028	0.41	2.33	10.02	0.02	0.06	0.95	1.00	0.05	0.23	0.29
Building Construction-2029	0.40	2.26	9.80	0.02	0.06	0.95	1.00	0.05	0.23	0.29
Paving-2029	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving-2030	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating-2029	27.42	0.68	1.55	1.73E-03	2.35E-03	0.14	0.15	2.35E-03	0.03	0.04
Project Daily Maximum Emissions	**27.42**	**8.26**	**17.42**	**0.07**	**0.13**	**4.71**	**4.84**	**0.13**	**1.86**	**2.00**

CMWC - P4

Air Quality Construction Analysis

Unmitigated

Winter	Onsite Emissions										Offsite Emissions									
Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
	lb/day										lb/day									
Demolition-2028	0.18	0.96	10.79	0.02	0.04	0.73	0.76	0.04	0.11	0.15	0.04	0.94	0.69	0.01	0.01	0.32	0.33	0.01	0.08	0.10
Grading-2028	0.23	1.20	14.24	0.02	0.05	2.77	2.82	0.05	1.34	1.38	0.11	7.32	3.12	0.04	0.09	1.94	2.03	0.09	0.53	0.61
Building Construction-2028	0.20	1.31	6.50	0.01	0.05	0.00	0.05	0.05	0.00	0.05	0.21	1.08	3.05	0.01	0.01	0.95	0.95	0.01	0.23	0.24
Building Construction-2029	0.20	1.31	6.50	0.01	0.05	0.00	0.05	0.05	0.00	0.05	0.20	1.01	2.85	0.01	0.01	0.95	0.95	0.01	0.23	0.24
Paving-2029	0.15	1.30	6.89	0.01	0.03	0.00	0.03	0.03	0.00	0.03	0.04	0.04	0.56	0.00	0.00	0.16	0.16	0.00	0.04	0.04
Paving-2030	0.15	1.30	6.89	0.01	0.03	0.00	0.03	0.03	0.00	0.03	0.04	0.04	0.52	0.00	0.00	0.16	0.16	0.00	0.04	0.04
Architectural Coating-2029	27.39	0.65	0.96	1.73E-03	2.35E-03	0.00	2.35E-03	2.35E-03	0.00	2.35E-03	0.04	0.04	0.49	0.00	0.00	0.14	0.14	0.00	0.03	0.03

Regional Emissions	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
Demolition-2028	0.22	1.90	11.48	0.02	0.05	1.05	1.10	0.05	0.19	0.24
Grading-2028	0.34	8.52	17.36	0.07	0.13	4.71	4.84	0.13	1.86	2.00
Building Construction-2028	0.40	2.39	9.56	0.02	0.06	0.95	1.00	0.05	0.23	0.29
Building Construction-2029	0.40	2.32	9.36	0.02	0.06	0.95	1.00	0.05	0.23	0.29
Paving-2029	0.19	1.34	7.45	0.01	0.03	0.16	0.19	0.03	0.04	0.07
Paving-2030	0.18	1.34	7.41	0.01	0.03	0.16	0.19	0.03	0.04	0.07
Architectural Coating-2029	27.42	0.68	1.46	1.73E-03	2.35E-03	0.14	0.15	2.35E-03	0.03	0.04
Project Daily Maximum Emissions	**27.42**	**8.52**	**17.36**	**0.07**	**0.13**	**4.71**	**4.84**	**0.13**	**1.86**	**2.00**

CMWC - P5

Air Quality Construction Analysis

Umitigated

Regional Maximums Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
					lb/day					
Demolition-2028	0.09	0.78	4.41	0.01	0.02	0.44	0.46	0.02	0.09	0.11
Grading-2028	0.22	3.37	11.12	0.03	0.06	2.80	2.86	0.06	1.20	1.26
Building Construction-2028	0.30	1.08	11.06	0.01	0.03	0.72	0.75	0.03	0.17	0.20
Building Construction-2029	0.29	1.05	10.87	0.01	0.03	0.72	0.75	0.03	0.17	0.20
Paving-2029	0.30	2.14	6.47	0.01	0.06	0.23	0.29	0.06	0.05	0.11
Architectural Coating-2029	19.82	0.68	1.49	1.73E-03	2.35E-03	0.13	0.13	2.35E-03	0.03	0.03
Project Daily Maximum Emissions	**19.82**	**3.37**	**11.12**	**0.03**	**0.06**	**2.80**	**2.86**	**0.06**	**1.20**	**1.26**
Threshold	**75.0**	**100.0**	**550.0**	**150.0**	**None**	**None**	**150.0**	**None**	**None**	**55.0**
Exceed Threshold (Y/N)?	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**

Localized Maximum Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
					lb/day					
Demolition-2028	0.06	0.30	3.88	0.01	0.01	0.23	0.24	0.01	0.04	0.05
Grading-2028	0.16	0.84	9.79	0.02	0.03	2.08	2.11	0.03	1.00	1.03
Building Construction-2028	0.12	0.64	8.10	0.01	0.02	0.00	0.02	0.02	0.00	0.02
Building Construction-2029	0.12	0.64	8.10	0.01	0.02	0.00	0.02	0.02	0.00	0.02
Paving-2029	0.24	2.08	5.55	0.01	0.06	0.00	0.06	0.06	0.00	0.06
Architectural Coating-2029	19.79	0.65	0.96	1.73E-03	2.35E-03	0.00	2.35E-03	2.35E-03	0.00	2.35E-03
Project Daily Maximum Emissions	**19.79**	**2.08**	**9.79**	**0.02**	**0.06**	**2.08**	**2.11**	**0.06**	**1.00**	**1.03**

CMWC - P5

Air Quality Construction Analysis

Umitigated

Summer	Onsite Emissions										Offsite Emissions									
Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
	lb/day										lb/day									
Demolition-2028	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading-2028	0.16	0.84	9.79	0.02	0.03	2.08	2.11	0.03	1.00	1.03	0.05	2.44	1.32	0.02	0.03	0.72	0.75	0.03	0.19	0.22
Building Construction-2028	0.12	0.64	8.10	0.01	0.02	0.00	0.02	0.02	0.00	0.02	0.18	0.41	2.96	1.68E-03	1.68E-03	0.72	0.72	1.68E-03	0.17	0.17
Building Construction-2029	0.12	0.64	8.10	0.01	0.02	0.00	0.02	0.02	0.00	0.02	0.17	0.37	2.77	1.68E-03	1.68E-03	0.72	0.72	1.68E-03	0.17	0.17
Paving-2029	0.24	2.08	5.55	0.01	0.06	0.00	0.06	0.06	0.00	0.06	0.06	0.05	0.92	0.00	0.00	0.23	0.23	0.00	0.05	0.05
Architectural Coating-2029	19.79	0.65	0.96	1.73E-03	2.35E-03	0.00	2.35E-03	2.35E-03	0.00	2.35E-03	0.03	0.03	0.53	0.00	0.00	0.13	0.13	0.00	0.03	0.03

Regional Emissions	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
Demolition-2028	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading-2028	0.22	3.28	11.12	0.03	0.06	2.80	2.86	0.06	1.20	1.26
Building Construction-2028	0.30	1.05	11.06	0.01	0.03	0.72	0.75	0.03	0.17	0.20
Building Construction-2029	0.29	1.02	10.87	0.01	0.03	0.72	0.75	0.03	0.17	0.20
Paving-2029	0.30	2.14	6.47	0.01	0.06	0.23	0.29	0.06	0.05	0.11
Architectural Coating-2029	19.82	0.68	1.49	1.73E-03	2.35E-03	0.13	0.13	2.35E-03	0.03	0.03
Project Daily Maximum Emissions	**19.82**	**3.28**	**11.12**	**0.03**	**0.06**	**2.80**	**2.86**	**0.06**	**1.20**	**1.26**

CMWC - P5

Air Quality Construction Analysis

Umitigated

Winter	Onsite Emissions										Offsite Emissions									
Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
	lb/day										lb/day									
Demolition-2028	0.06	0.30	3.88	0.01	0.01	0.23	0.24	0.01	0.04	0.05	0.03	0.48	0.52	2.78E-03	0.01	0.21	0.22	0.01	0.05	0.06
Grading-2028	0.16	0.84	9.79	0.02	0.03	2.08	2.11	0.03	1.00	1.03	0.05	2.53	1.27	0.02	0.03	0.72	0.75	0.03	0.19	0.22
Building Construction-2028	0.12	0.64	8.10	0.01	0.02	0.00	0.02	0.02	0.00	0.02	0.18	0.44	2.53	1.68E-03	1.68E-03	0.72	0.72	1.68E-03	0.17	0.17
Building Construction-2029	0.12	0.64	8.10	0.01	0.02	0.00	0.02	0.02	0.00	0.02	0.17	0.41	2.36	1.68E-03	1.68E-03	0.72	0.72	1.68E-03	0.17	0.17
Paving-2029	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating-2029	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Regional Emissions	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
Demolition-2028	0.09	0.78	4.41	0.01	0.02	0.44	0.46	0.02	0.09	0.11
Grading-2028	0.21	3.37	11.06	0.03	0.06	2.80	2.86	0.06	1.20	1.26
Building Construction-2028	0.30	1.08	10.63	0.01	0.03	0.72	0.75	0.03	0.17	0.20
Building Construction-2029	0.29	1.05	10.46	0.01	0.03	0.72	0.75	0.03	0.17	0.20
Paving-2029	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating-2029	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Project Daily Maximum Emissions	**0.30**	**3.37**	**11.06**	**0.03**	**0.06**	**2.80**	**2.86**	**0.06**	**1.20**	**1.26**

CMWC - P6

Air Quality Construction Analysis

Unmitigated

Regional Maximums Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
					lb/day					
Demolition-2030	0.09	0.74	4.35	0.01	0.02	0.59	0.61	0.02	0.11	0.13
Grading-2030	0.16	2.34	7.69	0.02	0.05	2.44	2.48	0.05	1.12	1.17
Building Construction-2030	0.29	1.69	11.61	0.02	0.03	0.65	0.68	0.03	0.15	0.18
Building Construction-2031	0.27	1.68	11.47	0.02	0.03	0.65	0.68	0.03	0.15	0.18
Paving-2031	0.28	2.14	6.23	0.01	0.06	0.23	0.29	0.06	0.05	0.11
Architectural Coating-2031	8.73	0.67	1.37	1.73E-03	2.35E-03	0.12	0.12	2.35E-03	0.03	0.03
Project Daily Maximum Emissions	**8.73**	**2.34**	**11.61**	**0.02**	**0.06**	**2.44**	**2.48**	**0.06**	**1.12**	**1.17**
Threshold	**75.0**	**100.0**	**550.0**	**150.0**	**None**	**None**	**150.0**	**None**	**None**	**55.0**
Exceed Threshold (Y/N)?	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**

Localized Maximum Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
					lb/day					
Demolition-2030	0.06	0.30	3.88	0.01	0.0115	0.3782	0.3897	0.0115	0.0573	0.0687
Grading-2030	0.12	0.63	6.82	0.01	0.0242	1.9196	1.9438	0.0242	0.9854	1.0097
Building Construction-2030	0.15	1.32	9.31	0.01	0.03	0.00	0.03	0.03	0.00	0.03
Building Construction-2031	0.15	1.32	9.31	0.01	0.03	0.00	0.03	0.03	0.00	0.03
Paving-2031	0.24	2.08	5.55	0.01	0.06	0.00	0.06	0.06	0.00	0.06
Architectural Coating-2031	8.71	0.65	0.96	1.73E-03	2.35E-03	0.00	2.35E-03	2.35E-03	0.00	2.35E-03
Project Daily Maximum Emissions	**8.71**	**2.08**	**9.31**	**0.01**	**0.06**	**1.92**	**1.94**	**0.06**	**0.99**	**1.01**

CMWC - P6

Air Quality Construction Analysis

Unmitigated

Summer	Onsite Emissions										Offsite Emissions									
Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
	lb/day										lb/day									
Demolition-2030	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading-2030	0.12	0.63	6.82	0.01	0.02	1.92	1.94	0.02	0.99	1.01	0.04	1.64	0.87	0.01	0.02	0.52	0.54	0.02	0.14	0.16
Building Construction-2030	0.15	1.32	9.31	0.01	0.03	0.00	0.03	0.03	0.00	0.03	0.14	0.34	2.30	1.81E-03	1.81E-03	0.65	0.65	1.81E-03	0.15	0.16
Building Construction-2031	0.15	1.32	9.31	0.01	0.03	0.00	0.03	0.03	0.00	0.03	0.12	0.33	2.16	1.81E-03	1.81E-03	0.65	0.65	1.81E-03	0.15	0.16
Paving-2031	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating-2031	8.71	0.65	0.96	1.73E-03	2.35E-03	0.00	2.35E-03	2.35E-03	0.00	2.35E-03	0.02	0.02	0.41	0.00	0.00	0.12	0.12	0.00	0.03	0.03

Regional Emissions	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
Demolition-2030	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading-2030	0.16	2.27	7.69	0.02	0.05	2.44	2.48	0.05	1.12	1.17
Building Construction-2030	0.29	1.66	11.61	0.02	0.03	0.65	0.68	0.03	0.15	0.18
Building Construction-2031	0.27	1.65	11.47	0.02	0.03	0.65	0.68	0.03	0.15	0.18
Paving-2031	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating-2031	8.73	0.67	1.37	1.73E-03	2.35E-03	0.12	0.12	2.35E-03	0.03	0.03
Project Daily Maximum Emissions	**8.73**	**2.27**	**11.61**	**0.02**	**0.05**	**2.44**	**2.48**	**0.05**	**1.12**	**1.17**

CMWC - P6

Air Quality Construction Analysis

Unmitigated

Winter	Onsite Emissions										Offsite Emissions									
Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
	lb/day										lb/day									
Demolition-2030	0.06	0.30	3.88	0.01	0.01	0.38	0.39	0.01	0.06	0.07	0.03	0.45	0.47	0.00	0.01	0.21	0.22	0.01	0.05	0.06
Grading-2030	0.12	0.63	6.82	0.01	0.02	1.92	1.94	0.02	0.99	1.01	0.04	1.71	0.84	0.01	0.02	0.52	0.54	0.02	0.14	0.16
Building Construction-2030	0.15	1.32	9.31	0.01	0.03	0.00	0.03	0.03	0.00	0.03	0.14	0.37	1.96	0.00	0.00	0.65	0.65	0.00	0.15	0.16
Building Construction-2031	0.15	1.32	9.31	0.01	0.03	0.00	0.03	0.03	0.00	0.03	0.12	0.36	1.85	1.81E-03	0.00	0.65	0.65	1.81E-03	0.15	0.16
Paving-2031	0.24	2.08	5.55	0.01	0.06	0.00	0.06	0.06	0.00	0.06	0.04	0.05	0.69	0.00	0.00	0.23	0.23	0.00	0.05	0.05
Architectural Coating-2031	8.71	0.65	0.96	1.73E-03	2.35E-03	0.00	0.00	2.35E-03	0.00	2.35E-03	0.02	0.03	0.35	0.00	0.00	0.12	0.12	0.00	0.03	0.03

Regional Emissions	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
Demolition-2030	0.09	0.74	4.35	0.01	0.02	0.59	0.61	0.02	0.11	0.13
Grading-2030	0.16	2.34	7.66	0.02	0.05	2.44	2.48	0.05	1.12	1.17
Building Construction-2030	0.29	1.69	11.27	0.02	0.03	0.65	0.68	0.03	0.15	0.18
Building Construction-2031	0.27	1.68	11.16	0.02	0.03	0.65	0.68	0.03	0.15	0.18
Paving-2031	0.28	2.14	6.23	0.01	0.06	0.23	0.29	0.06	0.05	0.11
Architectural Coating-2031	8.73	0.67	1.31	1.73E-03	2.35E-03	0.12	0.12	2.35E-03	0.03	0.03
Project Daily Maximum Emissions	**8.73**	**2.34**	**11.27**	**0.02**	**0.06**	**2.44**	**2.48**	**0.06**	**1.12**	**1.17**

CMWC - P7

Air Quality Construction Analysis

Unmitigated

Regional Maximums Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
						lb/day				
Demolition-2030	0.09	0.74	4.35	0.01	0.02	0.59	0.61	0.02	0.11	0.13
Grading-2030	0.16	2.34	7.69	0.02	0.05	2.44	2.48	0.05	1.12	1.17
Building Construction-2030	0.29	1.69	11.61	0.02	0.03	0.65	0.68	0.03	0.15	0.18
Building Construction-2031	0.27	1.68	11.47	0.02	0.03	0.65	0.68	0.03	0.15	0.18
Paving-2031	0.28	2.14	6.23	0.01	0.06	0.23	0.29	0.06	0.05	0.11
Architectural Coating-2031	8.73	0.67	1.37	1.73E-03	2.35E-03	0.12	0.12	2.35E-03	0.03	0.03
Project Daily Maximum Emissions	**8.73**	**2.34**	**11.61**	**0.02**	**0.06**	**2.44**	**2.48**	**0.06**	**1.12**	**1.17**
Threshold	**75.0**	**100.0**	**550.0**	**150.0**	**None**	**None**	**150.0**	**None**	**None**	**55.0**
Exceed Threshold (Y/N)?	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**

Localized Maximum Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
						lb/day				
Demolition-2030	0.06	0.30	3.88	0.01	0.01	0.38	0.39	0.01	0.06	0.07
Grading-2030	0.12	0.63	6.82	0.01	0.02	1.92	1.94	0.02	0.99	1.01
Building Construction-2030	0.15	1.32	9.31	0.01	0.03	0.00	0.03	0.03	0.00	0.03
Building Construction-2031	0.15	1.32	9.31	0.01	0.03	0.00	0.03	0.03	0.00	0.03
Paving-2031	0.24	2.08	5.55	0.01	0.06	0.00	0.06	0.06	0.00	0.06
Architectural Coating-2031	8.71	0.65	0.96	1.73E-03	2.35E-03	0.00	2.35E-03	2.35E-03	0.00	2.35E-03
Project Daily Maximum Emissions	**8.71**	**2.08**	**9.31**	**0.01**	**0.06**	**1.92**	**1.94**	**0.06**	**0.99**	**1.01**

CMWC - P7

Air Quality Construction Analysis

Unmitigated

Summer	Onsite Emissions										Offsite Emissions									
Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
	lb/day										lb/day									
Demolition-2030	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading-2030	0.12	0.63	6.82	0.01	0.02	1.92	1.94	0.02	0.99	1.01	0.04	1.64	0.87	0.01	0.02	0.52	0.54	0.02	0.14	0.16
Building Construction-2030	0.15	1.32	9.31	0.01	0.03	0.00	0.03	0.03	0.00	0.03	0.14	0.34	2.30	1.81E-03	0.00	0.65	0.65	0.00	0.15	0.16
Building Construction-2031	0.15	1.32	9.31	0.01	0.03	0.00	0.03	0.03	0.00	0.03	0.12	0.33	2.16	1.81E-03	0.00	0.65	0.65	0.00	0.15	0.16
Paving-2031	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating-2031	8.71	0.65	0.96	1.73E-03	2.35E-03	0.00	2.35E-03	2.35E-03	0.00	2.35E-03	0.02	0.02	0.41	0.00	0.00	0.12	0.12	0.00	0.03	0.03

Regional Emissions	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
Demolition-2030	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading-2030	0.16	2.27	7.69	0.02	0.05	2.44	2.48	0.05	1.12	1.17
Building Construction-2030	0.29	1.66	11.61	0.02	0.03	0.65	0.68	0.03	0.15	0.18
Building Construction-2031	0.27	1.65	11.47	0.02	0.03	0.65	0.68	0.03	0.15	0.18
Paving-2031	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating-2031	8.73	0.67	1.37	1.73E-03	2.35E-03	0.12	0.12	2.35E-03	0.03	0.03
Project Daily Maximum Emissions	**8.73**	**2.27**	**11.61**	**0.02**	**0.05**	**2.44**	**2.48**	**0.05**	**1.12**	**1.17**

CMWC - P7

Air Quality Construction Analysis

Unmitigated

Winter	Onsite Emissions										Offsite Emissions									
Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
	lb/day										lb/day									
Demolition-2030	0.06	0.30	3.88	0.01	0.01	0.38	0.39	0.01	0.06	0.07	0.03	0.45	0.47	2.78E-03	0.01	0.21	0.22	0.01	0.05	0.06
Grading-2030	0.12	0.63	6.82	0.01	0.02	1.92	1.94	0.02	0.99	1.01	0.04	1.71	0.84	0.01	0.02	0.52	0.54	0.02	0.14	0.16
Building Construction-2030	0.15	1.32	9.31	0.01	0.03	0.00	0.03	0.03	0.00	0.03	0.14	0.37	1.96	1.81E-03	1.81E-03	0.65	0.65	1.81E-03	0.15	0.16
Building Construction-2031	0.15	1.32	9.31	0.01	0.03	0.00	0.03	0.03	0.00	0.03	0.12	0.36	1.85	1.81E-03	1.81E-03	0.65	0.65	1.81E-03	0.15	0.16
Paving-2031	0.24	2.08	5.55	0.01	0.06	0.00	0.06	0.06	0.00	0.06	0.04	0.05	0.69	0.00	0.00	0.23	0.23	0.00	0.05	0.05
Architectural Coating-2031	8.71	0.65	0.96	1.73E-03	2.35E-03	0.00	2.35E-03	2.35E-03	0.00	2.35E-03	0.02	0.03	0.35	0.00	0.00	0.12	0.12	0.00	0.03	0.03

Regional Emissions	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
Demolition-2030	0.09	0.74	4.35	0.01	0.02	0.59	0.61	0.02	0.11	0.13
Grading-2030	0.16	2.34	7.66	0.02	0.05	2.44	2.48	0.05	1.12	1.17
Building Construction-2030	0.29	1.69	11.27	0.02	0.03	0.65	0.68	0.03	0.15	0.18
Building Construction-2031	0.27	1.68	11.16	0.02	0.03	0.65	0.68	0.03	0.15	0.18
Paving-2031	0.28	2.14	6.23	0.01	0.06	0.23	0.29	0.06	0.05	0.11
Architectural Coating-2031	8.73	0.67	1.31	1.73E-03	2.35E-03	0.12	0.12	2.35E-03	0.03	0.03
Project Daily Maximum Emissions	**8.73**	**2.34**	**11.27**	**0.02**	**0.06**	**2.44**	**2.48**	**0.06**	**1.12**	**1.17**

CMWC - P8

Air Quality Construction Analysis

Unmitigated

Regional Maximums Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
						lb/day				
Demolition-2032	0.21	1.77	11.36	0.02	0.05	1.08	1.13	0.05	0.20	0.25
Grading-2032	0.28	2.81	15.20	0.03	0.07	3.35	3.42	0.07	1.49	1.56
Building Construction-2032	0.62	5.89	18.42	0.03	0.08	1.75	1.82	0.07	0.42	0.50
Building Construction-2033	0.60	5.80	17.49	0.03	0.08	1.75	1.82	0.07	0.42	0.50
Paving-2033	0.18	1.32	7.41	0.01	0.03	0.16	0.19	0.03	0.04	0.07
Architectural Coating-2033	5.70	0.69	1.71	1.73E-03	2.35E-03	0.28	0.28	2.35E-03	0.07	0.07
Project Daily Maximum Emissions	**5.70**	**5.89**	**18.42**	**0.03**	**0.08**	**3.35**	**3.42**	**0.07**	**1.49**	**1.56**
Threshold	**75.0**	**100.0**	**550.0**	**150.0**	**None**	**None**	**150.0**	**None**	**None**	**55.0**
Exceed Threshold (Y/N)?	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**

Localized Maximum Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
						lb/day				
Demolition-2032	0.18	0.96	10.79	0.02	0.04	0.76	0.80	0.04	0.12	0.15
Grading-2032	0.23	1.20	14.24	0.02	0.05	2.77	2.81	0.05	1.34	1.38
Building Construction-2032	0.33	4.48	13.24	0.02	0.07	0.00	0.07	0.06	0.00	0.06
Building Construction-2033	0.33	4.48	13.24	0.02	0.07	0.00	0.07	0.06	0.00	0.06
Paving-2033	0.15	1.30	6.89	0.01	0.03	0.00	0.03	0.03	0.00	0.03
Architectural Coating-2033	5.65	0.65	0.96	1.73E-03	2.35E-03	0.00	2.35E-03	2.35E-03	0.00	2.35E-03
Project Daily Maximum Emissions	**5.65**	**4.48**	**14.24**	**0.02**	**0.07**	**2.77**	**2.81**	**0.06**	**1.34**	**1.38**

CMWC - P8

Air Quality Construction Analysis

Unmitigated

Summer	Onsite Emissions										Offsite Emissions									
Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
	lb/day										lb/day									
Demolition-2032	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading-2032	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction-2032	0.33	4.48	13.24	0.02	0.07	0.00	0.07	0.06	0.00	0.06	0.29	1.32	5.18	0.01	0.01	1.75	1.76	0.01	0.42	0.43
Building Construction-2033	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving-2033	0.15	1.30	6.89	0.01	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.03	0.52	0.00	0.00	0.16	0.16	0.00	0.04	0.04
Architectural Coating-2033	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Regional Emissions	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
Demolition-2032	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading-2032	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction-2032	0.62	5.79	18.42	0.03	0.08	1.75	1.82	0.07	0.42	0.50
Building Construction-2033	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving-2033	0.18	1.32	7.41	0.01	0.03	0.16	0.19	0.03	0.04	0.07
Architectural Coating-2033	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Project Daily Maximum Emissions	**0.62**	**5.79**	**18.42**	**0.03**	**0.08**	**1.75**	**1.82**	**0.07**	**0.42**	**0.50**

CMWC - P8

Air Quality Construction Analysis

Unmitigated

Winter	Onsite Emissions										Offsite Emissions									
Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
	lb/day										lb/day									
Demolition-2032	0.18	0.96	10.79	0.02	0.04	0.76	0.80	0.04	0.12	0.15	0.03	0.81	0.57	0.01	0.01	0.32	0.33	0.01	0.08	0.10
Grading-2032	0.23	1.20	14.24	0.02	0.05	2.77	2.81	0.05	1.34	1.38	0.04	1.61	0.95	0.01	0.02	0.58	0.60	0.02	0.15	0.18
Building Construction-2032	0.33	4.48	13.24	0.02	0.07	0.00	0.07	0.06	0.00	0.06	0.29	1.41	4.48	0.01	0.01	1.75	1.76	0.01	0.42	0.43
Building Construction-2033	0.33	4.48	13.24	0.02	0.07	0.00	0.07	0.06	0.00	0.06	0.28	1.32	4.25	0.01	0.01	1.75	1.76	0.01	0.42	0.43
Paving-2033	0.15	1.30	6.89	0.01	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.03	0.44	0.00	0.00	0.16	0.16	0.00	0.04	0.04
Architectural Coating-2033	5.65	0.65	0.96	1.73E-03	2.35E-03	0.00	2.35E-03	2.35E-03	0.00	2.35E-03	0.05	0.05	0.74	0.00	0.00	0.28	0.28	0.00	0.07	0.07

Regional Emissions	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
Demolition-2032	0.21	1.77	11.36	0.02	0.05	1.08	1.13	0.05	0.20	0.25
Grading-2032	0.28	2.81	15.20	0.03	0.07	3.35	3.42	0.07	1.49	1.56
Building Construction-2032	0.62	5.89	17.72	0.03	0.08	1.75	1.82	0.07	0.42	0.50
Building Construction-2033	0.60	5.80	17.49	0.03	0.08	1.75	1.82	0.07	0.42	0.50
Paving-2033	0.18	1.32	7.33	0.01	0.03	0.16	0.19	0.03	0.04	0.07
Architectural Coating-2033	5.70	0.69	1.71	1.73E-03	2.35E-03	0.28	0.28	2.35E-03	0.07	0.07
Project Daily Maximum Emissions	**5.70**	**5.89**	**17.72**	**0.03**	**0.08**	**3.35**	**3.42**	**0.07**	**1.49**	**1.56**

CMWC - P9

Air Quality Construction Analysis

Umitigated

Regional Maximums Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
						lb/day				
Demolition-2032	0.21	1.18	11.14	0.02	0.04	0.22	0.26	0.04	0.05	0.09
Grading-2032	0.28	3.60	15.49	0.04	0.08	3.58	3.65	0.08	1.55	1.63
Building Construction-2032	0.43	4.66	13.35	0.02	0.06	0.74	0.81	0.06	0.18	0.24
Building Construction-2033	0.42	4.63	12.90	0.02	0.06	0.74	0.81	0.06	0.18	0.24
Paving-2033	0.18	1.32	7.41	0.01	0.03	0.16	0.19	0.03	0.04	0.07
Architectural Coating-2033	20.89	0.67	1.33	1.73E-03	2.35E-03	0.14	0.14	2.35E-03	0.03	0.03
Project Daily Maximum Emissions	**20.89**	**4.66**	**15.49**	**0.04**	**0.08**	**3.58**	**3.65**	**0.08**	**1.55**	**1.63**
Threshold	**75.0**	**100.0**	**550.0**	**150.0**	**None**	**None**	**150.0**	**None**	**None**	**55.0**
Exceed Threshold (Y/N)?	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**

Localized Maximum Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
						lb/day				
Demolition-2032	0.18	0.96	10.79	0.02	0.04	0.06	0.10	0.04	0.01	0.05
Grading-2032	0.23	1.20	14.24	0.02	0.05	2.77	2.81	0.05	1.34	1.38
Building Construction-2032	0.30	4.32	10.99	0.02	0.06	0.00	0.06	0.06	0.00	0.06
Building Construction-2033	0.30	4.32	10.99	0.02	0.06	0.00	0.06	0.06	0.00	0.06
Paving-2033	0.15	1.30	6.89	0.01	0.03	0.00	0.03	0.03	0.00	0.03
Architectural Coating-2033	20.86	0.65	0.96	1.73E-03	2.35E-03	0.00	2.35E-03	2.35E-03	0.00	2.35E-03
Project Daily Maximum Emissions	**20.86**	**4.32**	**14.24**	**0.02**	**0.06**	**2.77**	**2.81**	**0.06**	**1.34**	**1.38**

CMWC - P9

Air Quality Construction Analysis

Umitigated

Summer	Onsite Emissions										Offsite Emissions									
Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
	lb/day										lb/day									
Demolition-2032	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading-2032	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction-2032	0.30	4.32	10.99	0.02	0.06	0.00	0.06	0.06	0.00	0.06	0.13	0.31	2.36	1.73E-03	1.73E-03	0.74	0.75	1.73E-03	0.18	0.18
Building Construction-2033	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving-2033	0.15	1.30	6.89	0.01	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.03	0.52	0.00	0.00	0.16	0.16	0.00	0.04	0.04
Architectural Coating-2033	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Regional Emissions	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
Demolition-2032	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading-2032	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction-2032	0.43	4.63	13.35	0.02	0.06	0.74	0.81	0.06	0.18	0.24
Building Construction-2033	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving-2033	0.18	1.32	7.41	0.01	0.03	0.16	0.19	0.03	0.04	0.07
Architectural Coating-2033	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Project Daily Maximum Emissions	**0.43**	**4.63**	**13.35**	**0.02**	**0.06**	**0.74**	**0.81**	**0.06**	**0.18**	**0.24**

CMWC - P9

Air Quality Construction Analysis

Umitigated

Winter	Onsite Emissions										Offsite Emissions									
Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
	lb/day										lb/day									
Demolition-2032	0.18	0.96	10.79	0.02	0.04	0.06	0.10	0.04	0.01	0.05	0.02	0.22	0.35	1.39E-03	2.69E-03	0.15	0.16	2.69E-03	0.04	0.04
Grading-2032	0.23	1.20	14.24	0.02	0.05	2.77	2.81	0.05	1.34	1.38	0.05	2.40	1.25	0.02	0.03	0.81	0.84	0.03	0.22	0.25
Building Construction-2032	0.30	4.32	10.99	0.02	0.06	0.00	0.06	0.06	0.00	0.06	0.13	0.34	2.01	1.73E-03	1.73E-03	0.74	0.75	1.73E-03	0.18	0.18
Building Construction-2033	0.30	4.32	10.99	0.02	0.06	0.00	0.06	0.06	0.00	0.06	0.13	0.31	1.91	1.73E-03	1.73E-03	0.74	0.75	1.73E-03	0.18	0.18
Paving-2033	0.15	1.30	6.89	0.01	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.03	0.44	0.00	0.00	0.16	0.16	0.00	0.04	0.04
Architectural Coating-2033	20.86	0.65	0.96	1.73E-03	2.35E-03	0.00	2.35E-03	2.35E-03	0.00	2.35E-03	0.02	0.02	0.36	0.00	0.00	0.14	0.14	0.00	0.03	0.03

Regional Emissions	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
Demolition-2032	0.21	1.18	11.14	0.02	0.04	0.22	0.26	0.04	0.05	0.09
Grading-2032	0.28	3.60	15.49	0.04	0.08	3.58	3.65	0.08	1.55	1.63
Building Construction-2032	0.43	4.66	13.01	0.02	0.06	0.74	0.81	0.06	0.18	0.24
Building Construction-2033	0.42	4.63	12.90	0.02	0.06	0.74	0.81	0.06	0.18	0.24
Paving-2033	0.18	1.32	7.33	0.01	0.03	0.16	0.19	0.03	0.04	0.07
Architectural Coating-2033	20.89	0.67	1.33	1.73E-03	2.35E-03	0.14	0.14	2.35E-03	0.03	0.03
Project Daily Maximum Emissions	**20.89**	**4.66**	**15.49**	**0.04**	**0.08**	**3.58**	**3.65**	**0.08**	**1.55**	**1.63**

CMWC - P10

Air Quality Construction Analysis

Unmitigated

Regional Maximums Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
						lb/day				
Demolition-2033	0.22	1.89	11.45	0.03	0.05	1.41	1.46	0.05	0.26	0.31
Grading-2033	0.33	6.20	16.55	0.06	0.12	4.43	4.55	0.12	1.79	1.90
Building Construction-2033	0.35	4.54	11.83	0.02	0.06	0.30	0.36	0.06	0.07	0.13
Building Construction-2034	0.34	4.54	11.78	0.02	0.06	0.30	0.36	0.06	0.07	0.13
Paving-2034	0.18	1.32	7.30	0.01	0.03	0.16	0.19	0.03	0.04	0.07
Architectural Coating-2034	18.69	0.65	1.10	1.73E-03	2.35E-03	0.05	0.05	2.35E-03	0.01	0.01
Project Daily Maximum Emissions	**18.69**	**6.20**	**16.55**	**0.06**	**0.12**	**4.43**	**4.55**	**0.12**	**1.79**	**1.90**
Threshold	**75.0**	**100.0**	**550.0**	**150.0**	**None**	**None**	**150.0**	**None**	**None**	**55.0**
Exceed Threshold (Y/N)?	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**

Localized Maximum Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
						lb/day				
Demolition-2033	0.18	0.96	10.79	0.02	0.04	1.03	1.06	0.04	0.16	0.19
Grading-2033	0.23	1.20	14.24	0.02	0.05	2.77	2.82	0.05	1.34	1.38
Building Construction-2033	0.30	4.32	10.99	0.02	0.06	0.00	0.06	0.06	0.00	0.06
Building Construction-2034	0.30	4.32	10.99	0.02	0.06	0.00	0.06	0.06	0.00	0.06
Paving-2034	0.15	1.30	6.89	0.01	0.03	0.00	0.03	0.03	0.00	0.03
Architectural Coating-2034	18.68	0.65	0.96	1.73E-03	2.35E-03	0.00	2.35E-03	0.00	0.00E+00	2.35E-03
Project Daily Maximum Emissions	**18.68**	**4.32**	**14.24**	**0.02**	**0.06**	**2.77**	**2.82**	**0.06**	**1.34**	**1.38**

CMWC - P10

Air Quality Construction Analysis

Unmitigated

Summer	Onsite Emissions										Offsite Emissions									
Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
	lb/day										lb/day									
Demolition-2033	0.18	0.96	10.79	0.02	0.04	1.03	1.06	0.04	0.16	0.19	0.03	0.94	0.66	0.01	0.01	0.38	0.39	0.01	0.10	0.11
Grading-2033	0.23	1.20	14.24	0.02	0.05	2.77	2.82	0.05	1.34	1.38	0.09	4.99	2.30	0.04	0.07	1.66	1.73	0.07	0.45	0.52
Building Construction-2033	0.30	4.32	10.99	0.02	0.06	0.00	0.06	0.06	0.00	0.06	0.05	0.22	0.84	1.59E-03	1.59E-03	0.30	0.30	1.59E-03	0.07	0.07
Building Construction-2034	0.30	4.32	10.99	0.02	0.06	0.00	0.06	0.06	0.00	0.06	0.05	0.20	0.79	1.59E-03	1.59E-03	0.30	0.30	1.59E-03	0.07	0.07
Paving-2034	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating-2034	18.68	0.65	0.96	1.73E-03	2.35E-03	0.00	2.35E-03	0.00	0.00E+00	2.35E-03	0.01	0.01	0.14	0.00	0.00	0.05	0.05	0.00	0.01	0.01

Regional Emissions	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
Demolition-2033	0.22	1.89	11.45	0.03	0.05	1.41	1.46	0.05	0.26	0.31
Grading-2033	0.33	6.20	16.55	0.06	0.12	4.43	4.55	0.12	1.79	1.90
Building Construction-2033	0.35	4.53	11.83	0.02	0.06	0.30	0.36	0.06	0.07	0.13
Building Construction-2034	0.34	4.52	11.78	0.02	0.06	0.30	0.36	0.06	0.07	0.13
Paving-2034	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating-2034	18.69	0.65	1.10	1.73E-03	2.35E-03	0.05	0.05	2.35E-03	0.01	0.01
Project Daily Maximum Emissions	**18.69**	**6.20**	**16.55**	**0.06**	**0.12**	**4.43**	**4.55**	**0.12**	**1.79**	**1.90**

CMWC - P10

Air Quality Construction Analysis

Unmitigated

Winter	Onsite Emissions										Offsite Emissions									
Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
	lb/day										lb/day									
Demolition-2033	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading-2033	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction-2033	0.30	4.32	10.99	0.02	0.06	0.00	0.06	0.06	0.00	0.06	0.05	0.22	0.72	1.59E-03	1.59E-03	0.30	0.30	1.59E-03	0.07	0.07
Building Construction-2034	0.30	4.32	10.99	0.02	0.06	0.00	0.06	0.06	0.00	0.06	0.05	0.22	0.68	1.59E-03	1.59E-03	0.30	0.30	1.59E-03	0.07	0.07
Paving-2034	0.15	1.30	6.89	0.01	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.03	0.41	0.00	0.00	0.16	0.16	0.00	0.04	0.04
Architectural Coating-2034	18.68	0.65	0.96	1.73E-03	2.35E-03	0.00	2.35E-03	2.35E-03	0.00	2.35E-03	0.01	0.01	0.12	0.00	0.00	0.05	0.05	0.00	0.01	0.01

Regional Emissions	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
Demolition-2033	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading-2033	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction-2033	0.34	4.54	11.72	0.02	0.06	0.30	0.36	0.06	0.07	0.13
Building Construction-2034	0.34	4.54	11.68	0.02	0.06	0.30	0.36	0.06	0.07	0.13
Paving-2034	0.18	1.32	7.30	0.01	0.03	0.16	0.19	0.03	0.04	0.07
Architectural Coating-2034	18.69	0.65	1.08	1.73E-03	2.35E-03	0.05	0.05	2.35E-03	0.01	0.01
Project Daily Maximum Emissions	**18.69**	**4.54**	**11.72**	**0.02**	**0.06**	**0.30**	**0.36**	**0.06**	**0.07**	**0.13**

CMWC - P11

Air Quality Construction Analysis

Unmitigated

Regional Maximums Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
						lb/day				
Demolition-2033	0.08	0.68	4.33	0.01	0.02	0.53	0.54	0.02	0.10	0.12
Grading-2033	0.15	1.99	7.52	0.02	0.04	2.38	2.42	0.04	1.11	1.15
Building Construction-2033	0.26	1.63	10.97	0.02	0.03	0.65	0.68	0.03	0.16	0.18
Building Construction-2034	0.26	1.62	11.14	0.02	0.03	0.65	0.68	0.03	0.16	0.18
Building Construction-2035	0.25	1.61	10.81	0.02	0.03	0.65	0.68	0.03	0.16	0.18
Paving-2035	0.28	2.11	6.20	0.01	0.06	0.23	0.29	0.06	0.05	0.11
Architectural Coating-2035	6.95	0.66	1.29	0.00	0.00	0.12	0.12	0.00	0.03	0.03
Project Daily Maximum Emissions	**6.95**	**2.11**	**11.14**	**0.02**	**0.06**	**2.38**	**2.42**	**0.06**	**1.11**	**1.15**
Threshold	**75.0**	**100.0**	**550.0**	**150.0**	**None**	**None**	**150.0**	**None**	**None**	**55.0**
Exceed Threshold (Y/N)?	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**

Localized Maximum Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
						lb/day				
Demolition-2033	0.06	0.30	3.88	0.01	0.0115	0.3156	0.3270	0.0115	0.0478	0.0592
Grading-2033	0.12	0.63	6.82	0.01	0.0242	1.9191	1.9433	0.0242	0.9854	1.0096
Building Construction-2033	0.15	1.32	9.31	0.01	0.0277	0.0000	0.0277	0.0277	0.0000	0.0277
Building Construction-2034	0.15	1.32	9.31	0.01	0.0277	0.0000	0.0277	0.0277	0.0000	0.0277
Building Construction-2035	0.15	1.32	9.31	0.01	0.0277	0.0000	0.0277	0.0277	0.0000	0.0277
Paving-2035	0.24	2.08	5.55	0.01	0.0603	0.0000	0.0603	0.0564	0.0000	0.0564
Architectural Coating-2035	6.93	0.65	0.96	0.00	0.0023	0.0000	0.0023	0.0023	0.0000	0.0023
Project Daily Maximum Emissions	**6.93**	**2.08**	**9.31**	**0.01**	**0.06**	**1.92**	**1.94**	**0.06**	**0.99**	**1.01**

CMWC - P11

Air Quality Construction Analysis

Unmitigated

Summer	Onsite Emissions										Offsite Emissions									
Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
	lb/day										lb/day									
Demolition-2033	0.06	0.30	3.88	0.01	0.01	0.32	0.33	0.01	0.05	0.06	0.02	0.38	0.45	2.78E-03	0.01	0.21	0.22	0.01	0.05	0.06
Grading-2033	0.12	0.63	6.82	0.01	0.02	1.92	1.94	0.02	0.99	1.01	0.03	1.30	0.70	0.01	0.02	0.46	0.48	0.02	0.12	0.14
Building Construction-2033	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction-2034	0.15	1.32	9.31	0.01	0.03	0.00	0.03	0.03	0.00	0.03	0.11	0.27	1.83	1.80E-03	1.80E-03	0.65	0.65	1.80E-03	0.16	0.16
Building Construction-2035	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving-2035	0.24	2.08	5.55	0.01	0.06	0.00	0.06	0.06	0.00	0.06	0.04	0.03	0.65	0.00	0.00	0.23	0.23	0.00	0.05	0.05
Architectural Coating-2035	6.93	0.65	0.96	1.73E-03	2.35E-03	0.00	2.35E-03	2.35E-03	0.00	2.35E-03	0.02	0.01	0.33	0.00	0.00	0.12	0.12	0.00	0.03	0.03

Regional Emissions	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
Demolition-2033	0.08	0.68	4.33	0.01	0.02	0.53	0.54	0.02	0.10	0.12
Grading-2033	0.15	1.93	7.52	0.02	0.04	2.38	2.42	0.04	1.11	1.15
Building Construction-2033	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction-2034	0.26	1.59	11.14	0.02	0.03	0.65	0.68	0.03	0.16	0.18
Building Construction-2035	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving-2035	0.28	2.11	6.20	0.01	0.06	0.23	0.29	0.06	0.05	0.11
Architectural Coating-2035	6.95	0.66	1.29	1.73E-03	2.35E-03	0.12	0.12	2.35E-03	0.03	0.03
Project Daily Maximum Emissions	**6.95**	**2.11**	**11.14**	**0.02**	**0.06**	**2.38**	**2.42**	**0.06**	**1.11**	**1.15**

CMWC - P11

Air Quality Construction Analysis

Unmitigated

Winter	Onsite Emissions										Offsite Emissions									
Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
	lb/day										lb/day									
Demolition-2033	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading-2033	0.12	0.63	6.82	0.01	0.02	1.92	1.94	0.02	0.99	1.01	0.03	1.36	0.67	0.01	0.02	0.46	0.48	0.02	0.12	0.14
Building Construction-2033	0.15	1.32	9.31	0.01	0.03	0.00	0.03	0.03	0.00	0.03	0.11	0.31	1.66	1.80E-03	1.80E-03	0.65	0.65	1.80E-03	0.16	0.16
Building Construction-2034	0.15	1.32	9.31	0.01	0.03	0.00	0.03	0.03	0.00	0.03	0.11	0.30	1.57	1.80E-03	1.80E-03	0.65	0.65	1.80E-03	0.16	0.16
Building Construction-2035	0.15	1.32	9.31	0.01	0.03	0.00	0.03	0.03	0.00	0.03	0.10	0.29	1.50	1.80E-03	1.80E-03	0.65	0.65	1.80E-03	0.16	0.16
Paving-2035	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating-2035	6.93	0.65	0.96	1.73E-03	2.35E-03	0.00	2.35E-03	2.35E-03	0.00	2.35E-03	0.02	0.02	0.28	0.00	0.00	0.12	0.12	0.00	0.03	0.03

Regional Emissions	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
Demolition-2033	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading-2033	0.15	1.99	7.49	0.02	0.04	2.38	2.42	0.04	1.11	1.15
Building Construction-2033	0.26	1.63	10.97	0.02	0.03	0.65	0.68	0.03	0.16	0.18
Building Construction-2034	0.25	1.62	10.88	0.02	0.03	0.65	0.68	0.03	0.16	0.18
Building Construction-2035	0.25	1.61	10.81	0.02	0.03	0.65	0.68	0.03	0.16	0.18
Paving-2035	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating-2035	6.95	0.66	1.24	1.73E-03	2.35E-03	0.12	0.12	2.35E-03	0.03	0.03
Project Daily Maximum Emissions	**6.95**	**1.99**	**10.97**	**0.02**	**0.04**	**2.38**	**2.42**	**0.04**	**1.11**	**1.15**

CMWC - P12

Air Quality Construction Analysis

Unmitigated

Regional Maximums Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
						lb/day				
Demolition-2035	0.20	1.14	11.13	0.02	0.04	0.29	0.33	0.04	0.06	0.10
Grading-2035	0.30	4.01	15.65	0.04	0.09	3.80	3.89	0.09	1.62	1.70
Building Construction-2035	0.49	4.84	14.24	0.02	0.06	1.21	1.27	0.06	0.29	0.35
Building Construction-2036	0.49	4.79	14.09	0.02	0.06	1.21	1.27	0.06	0.29	0.35
Paving-2036	0.18	1.32	7.33	0.01	0.03	0.16	0.19	0.03	0.04	0.07
Architectural Coating-2036	30.07	0.67	1.55	1.73E-03	2.35E-03	0.22	0.22	2.35E-03	0.05	0.05
Project Daily Maximum Emissions	**30.07**	**4.84**	**15.65**	**0.04**	**0.09**	**3.80**	**3.89**	**0.09**	**1.62**	**1.70**
Threshold	**75.0**	**100.0**	**550.0**	**150.0**	**None**	**None**	**150.0**	**None**	**None**	**55.0**
Exceed Threshold (Y/N)?	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**

Localized Maximum Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
						lb/day				
Demolition-2035	0.18	0.96	10.79	0.02	0.04	0.14	0.17	0.04	0.02	0.06
Grading-2035	0.23	1.20	14.24	0.02	0.05	2.77	2.82	0.05	1.34	1.38
Building Construction-2035	0.30	4.32	10.99	0.02	0.06	0.00	0.06	0.06	0.00	0.06
Building Construction-2036	0.30	4.32	10.99	0.02	0.06	0.00	0.06	0.06	0.00	0.06
Paving-2036	0.15	1.30	6.89	0.01	0.03	0.00	0.03	0.03	0.00	0.03
Architectural Coating-2036	30.03	0.65	0.96	1.73E-03	2.35E-03	0.00	2.35E-03	2.35E-03	0.00	2.35E-03
Project Daily Maximum Emissions	**30.03**	**4.32**	**14.24**	**0.02**	**0.06**	**2.77**	**2.82**	**0.06**	**1.34**	**1.38**

CMWC - P12

Air Quality Construction Analysis

Unmitigated

Summer	Onsite Emissions										Offsite Emissions									
Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
	lb/day										lb/day									
Demolition-2035	0.18	0.96	10.79	0.02	0.04	0.14	0.17	0.04	0.02	0.06	0.02	0.19	0.34	0.00	0.00	0.15	0.16	0.00	0.04	0.04
Grading-2035	0.23	1.20	14.24	0.02	0.05	2.77	2.82	0.05	1.34	1.38	0.06	2.81	1.41	0.02	0.04	1.04	1.08	0.04	0.28	0.32
Building Construction-2035	0.30	4.32	10.99	0.02	0.06	0.00	0.06	0.06	0.00	0.06	0.19	0.47	3.25	3.16E-03	3.16E-03	1.21	1.21	3.16E-03	0.29	0.29
Building Construction-2036	0.30	4.32	10.99	0.02	0.06	0.00	0.06	0.06	0.00	0.06	0.19	0.45	3.10	3.16E-03	3.16E-03	1.21	1.21	3.16E-03	0.29	0.29
Paving-2036	0.15	1.30	6.89	0.01	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.02	0.44	0.00	0.00	0.16	0.16	0.00	0.04	0.04
Architectural Coating-2036	30.03	0.65	0.96	1.73E-03	2.35E-03	0.00	2.35E-03	2.35E-03	0.00	2.35E-03	0.04	0.03	0.59	0.00	0.00	0.22	0.22	0.00	0.05	0.05

Regional Emissions	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
Demolition-2035	0.20	1.14	11.13	0.02	0.04	0.29	0.33	0.04	0.06	0.10
Grading-2035	0.30	4.01	15.65	0.04	0.09	3.80	3.89	0.09	1.62	1.70
Building Construction-2035	0.49	4.78	14.24	0.02	0.06	1.21	1.27	0.06	0.29	0.35
Building Construction-2036	0.49	4.77	14.09	0.02	0.06	1.21	1.27	0.06	0.29	0.35
Paving-2036	0.18	1.32	7.33	0.01	0.03	0.16	0.19	0.03	0.04	0.07
Architectural Coating-2036	30.07	0.67	1.55	1.73E-03	2.35E-03	0.22	0.22	2.35E-03	0.05	0.05
Project Daily Maximum Emissions	**30.07**	**4.78**	**15.65**	**0.04**	**0.09**	**3.80**	**3.89**	**0.09**	**1.62**	**1.70**

CMWC - P12

Air Quality Construction Analysis

Unmitigated

Winter	Onsite Emissions										Offsite Emissions									
Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
	lb/day										lb/day									
Demolition-2035	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading-2035	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction-2035	0.30	4.32	10.99	0.02	0.06	0.00	0.06	0.06	0.00	0.06	0.19	0.52	2.78	3.16E-03	3.16E-03	1.21	1.21	3.16E-03	0.29	0.29
Building Construction-2036	0.30	4.32	10.99	0.02	0.06	0.00	0.06	0.06	0.00	0.06	0.19	0.47	2.66	3.16E-03	3.16E-03	1.21	1.21	3.16E-03	0.29	0.29
Paving-2036	0.15	1.30	6.89	0.01	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.02	0.38	0.00	0.00	0.16	0.16	0.00	0.04	0.04
Architectural Coating-2036	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Regional Emissions	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
Demolition-2035	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading-2035	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction-2035	0.49	4.84	13.78	0.02	0.06	1.21	1.27	0.06	0.29	0.35
Building Construction-2036	0.49	4.79	13.65	0.02	0.06	1.21	1.27	0.06	0.29	0.35
Paving-2036	0.18	1.32	7.27	0.01	0.03	0.16	0.19	0.03	0.04	0.07
Architectural Coating-2036	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Project Daily Maximum Emissions	**0.49**	**4.84**	**13.78**	**0.02**	**0.06**	**1.21**	**1.27**	**0.06**	**0.29**	**0.35**

CMWC - P12

Air Quality Construction Analysis

Mitigated

Regional Maximums Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
						lb/day				
Demolition-2035	0.20	1.14	11.13	0.02	0.04	0.29	0.33	0.04	0.06	0.10
Grading-2035	0.30	4.01	15.65	0.04	0.09	3.80	3.89	0.09	1.62	1.70
Building Construction-2035	0.49	4.84	14.24	0.02	0.06	1.21	1.27	0.06	0.29	0.35
Building Construction-2036	0.49	4.79	14.09	0.02	0.06	1.21	1.27	0.06	0.29	0.35
Paving-2036	0.18	1.32	7.33	0.01	0.03	0.16	0.19	0.03	0.04	0.07
Architectural Coating-2036	25.45	0.67	1.55	1.73E-03	2.35E-03	0.22	0.22	2.35E-03	0.05	0.05
Project Daily Maximum Emissions	**25.45**	**4.84**	**15.65**	**0.04**	**0.09**	**3.80**	**3.89**	**0.09**	**1.62**	**1.70**
Threshold	**75.0**	**100.0**	**550.0**	**150.0**	**None**	**None**	**150.0**	**None**	**None**	**55.0**
Exceed Threshold (Y/N)?	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**

Localized Maximum Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
						lb/day				
Demolition-2035	0.18	0.96	10.79	0.02	0.04	0.14	0.17	0.04	0.02	0.06
Grading-2035	0.23	1.20	14.24	0.02	0.05	2.77	2.82	0.05	1.34	1.38
Building Construction-2035	0.30	4.32	10.99	0.02	0.06	0.00	0.06	0.06	0.00	0.06
Building Construction-2036	0.30	4.32	10.99	0.02	0.06	0.00	0.06	0.06	0.00	0.06
Paving-2036	0.15	1.30	6.89	0.01	0.03	0.00	0.03	0.03	0.00	0.03
Architectural Coating-2036	25.41	0.65	0.96	1.73E-03	2.35E-03	0.00	2.35E-03	2.35E-03	0.00	2.35E-03
Project Daily Maximum Emissions	**25.41**	**4.32**	**14.24**	**0.02**	**0.06**	**2.77**	**2.82**	**0.06**	**1.34**	**1.38**

CMWC - P12

Air Quality Construction Analysis

Mitigated

Summer	Onsite Emissions										Offsite Emissions									
Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
	lb/day										lb/day									
Demolition-2035	0.18	0.96	10.79	0.02	0.04	0.14	0.17	0.04	0.02	0.06	0.02	0.19	0.34	1.39E-03	2.69E-03	0.15	0.16	2.69E-03	0.04	0.04
Grading-2035	0.23	1.20	14.24	0.02	0.05	2.77	2.82	0.05	1.34	1.38	0.06	2.81	1.41	0.02	0.04	1.04	1.08	0.04	0.28	0.32
Building Construction-2035	0.30	4.32	10.99	0.02	0.06	0.00	0.06	0.06	0.00	0.06	0.19	0.47	3.25	3.16E-03	3.16E-03	1.21	1.21	3.16E-03	0.29	0.29
Building Construction-2036	0.30	4.32	10.99	0.02	0.06	0.00	0.06	0.06	0.00	0.06	0.19	0.45	3.10	3.16E-03	3.16E-03	1.21	1.21	3.16E-03	0.29	0.29
Paving-2036	0.15	1.30	6.89	0.01	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.02	0.44	0.00	0.00	0.16	0.16	0.00	0.04	0.04
Architectural Coating-2036	25.41	0.65	0.96	1.73E-03	2.35E-03	0.00	2.35E-03	2.35E-03	0.00	2.35E-03	0.04	0.03	0.59	0.00	0.00	0.22	0.22	0.00	0.05	0.05

Regional Emissions	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
Demolition-2035	0.20	1.14	11.13	0.02	0.04	0.29	0.33	0.04	0.06	0.10
Grading-2035	0.30	4.01	15.65	0.04	0.09	3.80	3.89	0.09	1.62	1.70
Building Construction-2035	0.49	4.78	14.24	0.02	0.06	1.21	1.27	0.06	0.29	0.35
Building Construction-2036	0.49	4.77	14.09	0.02	0.06	1.21	1.27	0.06	0.29	0.35
Paving-2036	0.18	1.32	7.33	0.01	0.03	0.16	0.19	0.03	0.04	0.07
Architectural Coating-2036	25.45	0.67	1.55	1.73E-03	2.35E-03	0.22	0.22	2.35E-03	0.05	0.05
Project Daily Maximum Emissions	**25.45**	**4.78**	**15.65**	**0.04**	**0.09**	**3.80**	**3.89**	**0.09**	**1.62**	**1.70**

CMWC - P12

Air Quality Construction Analysis

Mitigated

Winter	Onsite Emissions										Offsite Emissions									
Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
	lb/day										lb/day									
Demolition-2035	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading-2035	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction-2035	0.30	4.32	10.99	0.02	0.06	0.00	0.06	0.06	0.00	0.06	0.19	0.52	2.78	3.16E-03	3.16E-03	1.21	1.21	3.16E-03	0.29	0.29
Building Construction-2036	0.30	4.32	10.99	0.02	0.06	0.00	0.06	0.06	0.00	0.06	0.19	0.47	2.66	3.16E-03	3.16E-03	1.21	1.21	3.16E-03	0.29	0.29
Paving-2036	0.15	1.30	6.89	0.01	0.03	0.00	0.03	0.03	0.00	0.03	0.03	0.02	0.38	0.00	0.00	0.16	0.16	0.00	0.04	0.04
Architectural Coating-2036	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Regional Emissions	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
Demolition-2035	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading-2035	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction-2035	0.49	4.84	13.78	0.02	0.06	1.21	1.27	0.06	0.29	0.35
Building Construction-2036	0.49	4.79	13.65	0.02	0.06	1.21	1.27	0.06	0.29	0.35
Paving-2036	0.18	1.32	7.27	0.01	0.03	0.16	0.19	0.03	0.04	0.07
Architectural Coating-2036	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Project Daily Maximum Emissions	**0.49**	**4.84**	**13.78**	**0.02**	**0.06**	**1.21**	**1.27**	**0.06**	**0.29**	**0.35**

CMWC - P13

Air Quality Construction Analysis

Unmitigated

Regional Maximums Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
						lb/day				
Demolition-2035	0.08	0.66	4.29	0.01	0.02	0.44	0.46	0.02	0.09	0.11
Grading-2035	0.20	2.59	10.72	0.03	0.06	2.74	2.80	0.06	1.18	1.24
Building Construction-2035	0.22	0.87	9.64	0.01	0.03	0.57	0.59	0.03	0.14	0.16
Building Construction-2036	0.21	0.85	9.57	0.01	0.03	0.57	0.59	0.03	0.14	0.16
Paving-2036	0.28	2.11	6.16	0.01	0.06	0.23	0.29	0.06	0.05	0.11
Architectural Coating-2036	16.10	0.66	1.24	1.73E-03	2.35E-03	0.10	0.11	2.35E-03	0.02	0.03
Project Daily Maximum Emissions	**16.10**	**2.59**	**10.72**	**0.03**	**0.06**	**2.74**	**2.80**	**0.06**	**1.18**	**1.24**
Threshold	**75.0**	**100.0**	**550.0**	**150.0**	**None**	**None**	**150.0**	**None**	**None**	**55.0**
Exceed Threshold (Y/N)?	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**

Localized Maximum Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
						lb/day				
Demolition-2035	0.06	0.30	3.88	0.01	0.01	0.23	0.24	0.01	0.03	0.05
Grading-2035	0.16	0.84	9.79	0.02	0.03	2.08	2.11	0.03	1.00	1.03
Building Construction-2035	0.12	0.64	8.10	0.01	0.02	0.00	0.02	0.02	0.00	0.02
Building Construction-2036	0.12	0.64	8.10	0.01	0.02	0.00	0.02	0.02	0.00	0.02
Paving-2036	0.24	2.08	5.55	0.01	0.06	0.00	0.06	0.06	0.00	0.06
Architectural Coating-2036	16.08	0.65	0.96	1.73E-03	2.35E-03	0.00	2.35E-03	2.35E-03	0.00	2.35E-03
Project Daily Maximum Emissions	**16.08**	**2.08**	**9.79**	**0.02**	**0.06**	**2.08**	**2.11**	**0.06**	**1.00**	**1.03**

CMWC - P13

Air Quality Construction Analysis

Unmitigated

Summer	Onsite Emissions										Offsite Emissions									
Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
	lb/day										lb/day									
Demolition-2035	0.06	0.30	3.88	0.01	0.01	0.23	0.24	0.01	0.03	0.05	0.02	0.36	0.41	0.00	0.01	0.21	0.22	0.01	0.05	0.06
Grading-2035	0.16	0.84	9.79	0.02	0.03	2.08	2.11	0.03	1.00	1.03	0.04	1.76	0.93	0.01	0.03	0.66	0.69	0.03	0.18	0.20
Building Construction-2035	0.12	0.64	8.10	0.01	0.02	0.00	0.02	0.02	0.00	0.02	0.09	0.20	1.54	1.32E-03	1.32E-03	0.57	0.57	1.32E-03	0.14	0.14
Building Construction-2036	0.12	0.64	8.10	0.01	0.02	0.00	0.02	0.02	0.00	0.02	0.09	0.20	1.47	1.32E-03	1.32E-03	0.57	0.57	1.32E-03	0.14	0.14
Paving-2036	0.24	2.08	5.55	0.01	0.06	0.00	0.06	0.06	0.00	0.06	0.04	0.03	0.62	0.00	0.00	0.23	0.23	0.00	0.05	0.05
Architectural Coating-2036	16.08	0.65	0.96	1.73E-03	2.35E-03	0.00	2.35E-03	2.35E-03	0.00	2.35E-03	0.02	0.01	0.28	0.00	0.00	0.10	0.10	0.00	0.02	0.02

Regional Emissions	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
Demolition-2035	0.08	0.66	4.29	0.01	0.02	0.44	0.46	0.02	0.09	0.11
Grading-2035	0.20	2.59	10.72	0.03	0.06	2.74	2.80	0.06	1.18	1.24
Building Construction-2035	0.22	0.84	9.64	0.01	0.03	0.57	0.59	0.03	0.14	0.16
Building Construction-2036	0.21	0.84	9.57	0.01	0.03	0.57	0.59	0.03	0.14	0.16
Paving-2036	0.28	2.11	6.16	0.01	0.06	0.23	0.29	0.06	0.05	0.11
Architectural Coating-2036	16.10	0.66	1.24	1.73E-03	2.35E-03	0.10	0.11	2.35E-03	0.02	0.03
Project Daily Maximum Emissions	**16.10**	**2.59**	**10.72**	**0.03**	**0.06**	**2.74**	**2.80**	**0.06**	**1.18**	**1.24**

CMWC - P13

Air Quality Construction Analysis

Unmitigated

Winter	Onsite Emissions										Offsite Emissions									
Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
	lb/day										lb/day									
Demolition-2035	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading-2035	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction-2035	0.12	0.64	8.10	0.01	0.02	0.00	0.02	0.02	0.00	0.02	0.09	0.23	1.32	1.32E-03	1.32E-03	0.57	0.57	1.32E-03	0.14	0.14
Building Construction-2036	0.12	0.64	8.10	0.01	0.02	0.00	0.02	0.02	0.00	0.02	0.09	0.21	1.26	1.32E-03	1.32E-03	0.57	0.57	1.32E-03	0.14	0.14
Paving-2036	0.24	2.08	5.55	0.01	0.06	0.00	0.06	0.06	0.00	0.06	0.04	0.03	0.53	0.00	0.00	0.23	0.23	0.00	0.05	0.05
Architectural Coating-2036	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Regional Emissions	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
Demolition-2035	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading-2035	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction-2035	0.21	0.87	9.42	0.01	0.03	0.57	0.59	0.03	0.14	0.16
Building Construction-2036	0.21	0.85	9.36	0.01	0.03	0.57	0.59	0.03	0.14	0.16
Paving-2036	0.28	2.11	6.07	0.01	0.06	0.23	0.29	0.06	0.05	0.11
Architectural Coating-2036	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Project Daily Maximum Emissions	**0.28**	**2.11**	**9.42**	**0.01**	**0.06**	**0.57**	**0.59**	**0.06**	**0.14**	**0.16**

CMWC - P13

Air Quality Construction Analysis

Mitigated

Regional Maximums Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
						lb/day				
Demolition-2035	0.08	0.66	4.29	0.01	0.02	0.44	0.46	0.02	0.09	0.11
Grading-2035	0.20	2.59	10.72	0.03	0.06	2.74	2.80	0.06	1.18	1.24
Building Construction-2035	0.22	0.87	9.64	0.01	0.03	0.57	0.59	0.03	0.14	0.16
Building Construction-2036	0.21	0.85	9.57	0.01	0.03	0.57	0.59	0.03	0.14	0.16
Paving-2036	0.28	2.11	6.16	0.01	0.06	0.23	0.29	0.06	0.05	0.11
Architectural Coating-2036	15.92	0.66	1.24	1.73E-03	2.35E-03	0.10	0.11	2.35E-03	0.02	0.03
Project Daily Maximum Emissions	**15.92**	**2.59**	**10.72**	**0.03**	**0.06**	**2.74**	**2.80**	**0.06**	**1.18**	**1.24**
Threshold	**75.0**	**100.0**	**550.0**	**150.0**	**None**	**None**	**150.0**	**None**	**None**	**55.0**
Exceed Threshold (Y/N)?	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**

Localized Maximum Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
						lb/day				
Demolition-2035	0.06	0.30	3.88	0.01	0.01	0.23	0.24	0.01	0.03	0.05
Grading-2035	0.16	0.84	9.79	0.02	0.03	2.08	2.11	0.03	1.00	1.03
Building Construction-2035	0.12	0.64	8.10	0.01	0.02	0.00	0.02	0.02	0.00	0.02
Building Construction-2036	0.12	0.64	8.10	0.01	0.02	0.00	0.02	0.02	0.00	0.02
Paving-2036	0.24	2.08	5.55	0.01	0.06	0.00	0.06	0.06	0.00	0.06
Architectural Coating-2036	15.90	0.65	0.96	1.73E-03	2.35E-03	0.00	2.35E-03	2.35E-03	0.00	2.35E-03
Project Daily Maximum Emissions	**15.90**	**2.08**	**9.79**	**0.02**	**0.06**	**2.08**	**2.11**	**0.06**	**1.00**	**1.03**

CMWC - P13

Air Quality Construction Analysis

Mitigated

Summer	Onsite Emissions										Offsite Emissions									
Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
	lb/day										lb/day									
Demolition-2035	0.06	0.30	3.88	0.01	0.01	0.23	0.24	0.01	0.03	0.05	0.02	0.36	0.41	2.78E-03	0.01	0.21	0.22	0.01	0.05	0.06
Grading-2035	0.16	0.84	9.79	0.02	0.03	2.08	2.11	0.03	1.00	1.03	0.04	1.76	0.93	0.01	0.03	0.66	0.69	0.03	0.18	0.20
Building Construction-2035	0.12	0.64	8.10	0.01	0.02	0.00	0.02	0.02	0.00	0.02	0.09	0.20	1.54	1.32E-03	1.32E-03	0.57	0.57	1.32E-03	0.14	0.14
Building Construction-2036	0.12	0.64	8.10	0.01	0.02	0.00	0.02	0.02	0.00	0.02	0.09	0.20	1.47	1.32E-03	1.32E-03	0.57	0.57	1.32E-03	0.14	0.14
Paving-2036	0.24	2.08	5.55	0.01	0.06	0.00	0.06	0.06	0.00	0.06	0.04	0.03	0.62	0.00	0.00	0.23	0.23	0.00	0.05	0.05
Architectural Coating-2036	15.90	0.65	0.96	1.73E-03	2.35E-03	0.00	2.35E-03	2.35E-03	0.00	2.35E-03	0.02	0.01	0.28	0.00	0.00	0.10	0.10	0.00	0.02	0.02

Regional Emissions	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
Demolition-2035	0.08	0.66	4.29	0.01	0.02	0.44	0.46	0.02	0.09	0.11
Grading-2035	0.20	2.59	10.72	0.03	0.06	2.74	2.80	0.06	1.18	1.24
Building Construction-2035	0.22	0.84	9.64	0.01	0.03	0.57	0.59	0.03	0.14	0.16
Building Construction-2036	0.21	0.84	9.57	0.01	0.03	0.57	0.59	0.03	0.14	0.16
Paving-2036	0.28	2.11	6.16	0.01	0.06	0.23	0.29	0.06	0.05	0.11
Architectural Coating-2036	15.92	0.66	1.24	1.73E-03	2.35E-03	0.10	0.11	2.35E-03	0.02	0.03
Project Daily Maximum Emissions	**15.92**	**2.59**	**10.72**	**0.03**	**0.06**	**2.74**	**2.80**	**0.06**	**1.18**	**1.24**

CMWC - P13

Air Quality Construction Analysis

Mitigated

Winter	Onsite Emissions										Offsite Emissions									
Source	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
	lb/day										lb/day									
Demolition-2035	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading-2035	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction-2035	0.12	0.64	8.10	0.01	0.02	0.00	0.02	0.02	0.00	0.02	0.09	0.23	1.32	1.32E-03	1.32E-03	0.57	0.57	1.32E-03	0.14	0.14
Building Construction-2036	0.12	0.64	8.10	0.01	0.02	0.00	0.02	0.02	0.00	0.02	0.09	0.21	1.26	1.32E-03	1.32E-03	0.57	0.57	1.32E-03	0.14	0.14
Paving-2036	0.24	2.08	5.55	0.01	0.06	0.00	0.06	0.06	0.00	0.06	0.04	0.03	0.53	0.00	0.00	0.23	0.23	0.00	0.05	0.05
Architectural Coating-2036	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Regional Emissions	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
Demolition-2035	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading-2035	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction-2035	0.21	0.87	9.42	0.01	0.03	0.57	0.59	0.03	0.14	0.16
Building Construction-2036	0.21	0.85	9.36	0.01	0.03	0.57	0.59	0.03	0.14	0.16
Paving-2036	0.28	2.11	6.07	0.01	0.06	0.23	0.29	0.06	0.05	0.11
Architectural Coating-2036	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Project Daily Maximum Emissions	**0.28**	**2.11**	**9.42**	**0.01**	**0.06**	**0.57**	**0.59**	**0.06**	**0.14**	**0.16**

CMWC

CMWC

Total Emissions

Phase	Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Idling per Day (minutes)	Regional Emissions (pounds/day) ROG	NOX	CO	SO2	PM10 Dust	PM10 Exh	Total PM10	PM2.5 Dust	PM2.5 Exh	Total PM2.5	(MT/yr) Total CO2e
0	Demolition	2025															
0	Total Haul Trips	870															
0	Worker	15	44	8	18.5	15	0.01	0.05	0.63	0.00	0.19	0.00	0.20	0.05	0.00	0.05	4.84
0	Vendor	0	44	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	Hauling	20	44	8	30.5	0	0.02	2.26	0.66	0.02	0.56	0.03	0.59	0.15	0.03	0.18	43.06
0						Total	0.03	2.31	1.30	0.02	0.76	0.03	0.79	0.20	0.03	0.23	47.90
0	Site Prep	2025															
0	Total Haul Trips	66															
0	Worker	5	21	8	18.5	15	0.00	0.02	0.21	0.00	0.06	0.00	0.07	0.02	0.00	0.02	0.37
0	Vendor	0	21	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	Hauling	4	21	8	30.5	0	0.00	0.45	0.13	0.00	0.11	0.01	0.12	0.03	0.01	0.04	4.11
						Total	0.01	0.47	0.34	0.00	0.18	0.01	0.18	0.05	0.01	0.05	4.48
1	Demolition	2025															
1	Total Haul Trips	148															
1	Worker	7.5	21	8	18.5	15	0.01	0.02	0.32	0.00	0.10	0.00	0.10	0.02	0.00	0.02	0.82
1	Vendor	0	21	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	Hauling	8	21	8	30.5	0	0.01	0.91	0.27	0.01	0.23	0.01	0.24	0.06	0.01	0.07	8.22
1						Total	0.01	0.93	0.58	0.01	0.32	0.01	0.34	0.08	0.01	0.10	9.04
1	Grading	2025															
1	Total Haul Trips	0															
1	Worker	10	44	8	18.5	15	0.01	0.03	0.42	0.00	0.13	0.00	0.13	0.03	0.00	0.03	0.00
1	Vendor	0	44	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	Hauling	0	44	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1						Total	0.01	0.03	0.42	0.00	0.13	0.00	0.13	0.03	0.00	0.03	0.00
1	Building Construction	2025															
1	Total Haul Trips	0															
1	Worker	70	88	8	18.5	15	0.05	0.22	2.95	0.01	0.91	0.00	0.91	0.23	0.00	0.23	0.00
1	Vendor	36	88	8	10.2	15	0.08	2.17	1.62	0.01	0.31	0.01	0.33	0.08	0.01	0.10	55.45
1	Hauling	0	88	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1						Total	0.14	2.38	4.56	0.02	1.22	0.02	1.24	0.31	0.02	0.33	55.45
1	Building Construction	2026															
1	Total Haul Trips	0															
1	Worker	70	19	8	18.5	15	0.05	0.20	2.75	0.01	0.91	0.00	0.91	0.23	0.00	0.23	0.00
1	Vendor	36	19	8	10.2	15	0.08	2.06	1.58	0.01	0.31	0.01	0.33	0.08	0.01	0.10	11.77
1	Hauling	0	19	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1						Total	0.13	2.26	4.33	0.02	1.22	0.02	1.24	0.31	0.02	0.32	11.77
1	Architectural Coating	2026															
1	Total Haul Trips	0															
1	Worker	14	19	8	18.5	15	0.01	0.04	0.55	0.00	0.18	0.00	0.18	0.05	0.00	0.05	0.00
1	Vendor	0	19	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	Hauling	0	19	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1						Total	0.01	0.04	0.55	0.00	0.18	0.00	0.18	0.05	0.00	0.05	0.00
1	Paving	2026															
1	Total Haul Trips	0															
1	Worker	15	22	8	18.5	15	0.01	0.04	0.59	0.00	0.19	0.00	0.20	0.05	0.00	0.05	0.00
1	Vendor	0	22	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	Hauling	0	22	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
						Total	0.01	0.04	0.59	0.00	0.19	0.00	0.20	0.05	0.00	0.05	0.00
4	Demolition	2028															
4	Total Haul Trips	134															
4	Worker	7.5	20	8	18.5	15	0.00	0.02	0.26	0.00	0.10	0.00	0.10	0.02	0.00	0.02	0.69
4	Vendor	0	20	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Hauling	8	20	8	30.5	0	0.01	0.80	0.24	0.01	0.23	0.01	0.24	0.06	0.01	0.07	7.36
4						Total	0.01	0.82	0.50	0.01	0.32	0.01	0.34	0.08	0.01	0.10	8.05
4	Grading	2028															
4	Total Haul Trips	2,734															
4	Worker	10	43	8	18.5	15	0.03	0.12	1.81	0.01	0.72	0.00	0.72	0.18	0.00	0.18	0.00
4	Vendor	0	43	8	10.2	15	0.05	1.30	1.08	0.01	0.23	0.01	0.24	0.06	0.01	0.07	79.43
4	Hauling	64	43	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4						Total	0.08	1.42	2.89	0.01	0.94	0.01	0.96	0.24	0.01	0.25	79.43
4	Building Construction	2028															
4	Total Haul Trips	0															
4	Worker	55.3	155	8	18.5	15	0.01	0.02	0.36	0.00	0.14	0.00	0.14	0.04	0.00	0.04	0.00
4	Vendor	26.3	155	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Hauling	0	155	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4						Total	0.01	0.02	0.36	0.00	0.14	0.00	0.14	0.04	0.00	0.04	0.00
4	Building Construction	2029															
4	Total Haul Trips	0															
4	Worker	55.3	188	8	18.5	15	0.03	0.12	1.81	0.01	0.72	0.00	0.72	0.18	0.00	0.18	0.00
4	Vendor	26.3	188	8	10.2	15	0.05	1.30	1.08	0.01	0.23	0.01	0.24	0.06	0.01	0.07	79.43
4	Hauling	0	188	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4						Total	0.08	1.42	2.89	0.01	0.94	0.01	0.96	0.24	0.01	0.25	79.43
4	Architectural Coating	2029															
4	Total Haul Trips	0															
4	Worker	11.1	42	8	18.5	15	0.01	0.02	0.36	0.00	0.14	0.00	0.14	0.04	0.00	0.04	0.00
4	Vendor	0	42	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Hauling	0	42	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4						Total	0.01	0.02	0.36	0.00	0.14	0.00	0.14	0.04	0.00	0.04	0.00
4	Paving	2029															
4	Total Haul Trips	0															
4	Worker	12.5	31	8	18.5	15	0.01	0.03	0.41	0.00	0.16	0.00	0.16	0.04	0.00	0.04	0.00
4	Vendor	0	31	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Hauling	0	31	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4						Total	0.01	0.03	0.41	0.00	0.16	0.00	0.16	0.04	0.00	0.04	0.00
4	Paving	2030															
4	Total Haul Trips	0															
4	Worker	12.5	13	8	18.5	15	0.01	0.02	0.39	0.00	0.16	0.00	0.16	0.04	0.00	0.04	0.00
4	Vendor	0	13	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Hauling	0	13	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
						Total	0.01	0.02	0.39	0.00	0.16	0.00	0.16	0.04	0.00	0.04	0.00

2 Demolition	2026															
2 Total Haul Trips	44															
2 Worker	7.5	22	8	18.5	15	0.00	0.02	0.29	0.00	0.10	0.00	0.10	0.02	0.00	0.02	0.24
2 Vendor	0	22	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2 Hauling	2	22	8	30.5	0	0.00	0.22	0.06	0.00	0.06	0.00	0.06	0.02	0.00	0.02	2.11
2					Total	0.01	0.24	0.36	0.00	0.15	0.00	0.16	0.04	0.00	0.04	2.35
2 Grading	2026															
2 Total Haul Trips	552															
2 Worker	5	43	8	18.5	15	0.00	0.01	0.20	0.00	0.06	0.00	0.07	0.02	0.00	0.02	2.99
2 Vendor	0	43	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2 Hauling	14	43	8	30.5	0	0.01	1.52	0.45	0.01	0.40	0.02	0.42	0.11	0.02	0.13	28.92
2					Total	0.02	1.53	0.65	0.01	0.46	0.02	0.48	0.12	0.02	0.14	31.91
2 Building Construction	2026															
2 Total Haul Trips	0															
2 Worker	38.9	132	8	18.5	15	0.03	0.11	1.53	0.00	0.50	0.00	0.51	0.13	0.00	0.13	0.00
2 Vendor	6.9911	132	8	10.2	15	0.02	0.40	0.31	0.00	0.06	0.00	0.06	0.02	0.00	0.02	15.88
2 Hauling	0	132	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2					Total	0.04	0.51	1.84	0.01	0.56	0.01	0.57	0.14	0.00	0.15	15.88
2 Building Construction	2027															
2 Total Haul Trips	0															
2 Worker	38.9	211	8	18.5	15	0.02	0.10	1.43	0.00	0.50	0.00	0.51	0.13	0.00	0.13	0.00
2 Vendor	6.99	211	8	10.2	15	0.02	0.38	0.30	0.00	0.06	0.00	0.06	0.02	0.00	0.02	24.90
2 Hauling	0	211	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2					Total	0.04	0.48	1.73	0.01	0.56	0.00	0.57	0.14	0.00	0.15	24.90
2 Architectural Coating	2027															
2 Total Haul Trips	0															
2 Worker	7.78	43	8	18.5	15	0.00	0.02	0.29	0.00	0.10	0.00	0.10	0.03	0.00	0.03	0.00
2 Vendor	0	43	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2 Hauling	0	43	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2																
2 Paving	2027															
2 Total Haul Trips	0															
2 Worker	17.5	7	8	18.5	15	0.01	0.04	0.64	0.00	0.23	0.00	0.23	0.06	0.00	0.06	0.00
2 Vendor	0	7	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2 Hauling	0	7	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2					Total	0.01	0.04	0.64	0.00	0.23	0.00	0.23	0.06	0.00	0.06	0.00
2 Paving	2028															
2 Total Haul Trips	0															
2 Worker	17.5	35	8	18.5	15	0.01	0.04	0.61	0.00	0.23	0.00	0.23	0.06	0.00	0.06	0.00
2 Vendor	0	35	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2 Hauling	0	35	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					Total	0.01	0.04	0.61	0.00	0.23	0.00	0.23	0.06	0.00	0.06	0.00
3 Demolition	2026															
3 Total Haul Trips	16															
3 Worker	7.5	22	8	18.5	15	0.00	0.02	0.29	0.00	0.10	0.00	0.10	0.02	0.00	0.02	0.09
3 Vendor	0	22	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3 Hauling	2	22	8	30.5	0	0.00	0.22	0.06	0.00	0.06	0.00	0.06	0.02	0.00	0.02	2.11
3					Total	0.01	0.24	0.36	0.00	0.15	0.00	0.16	0.04	0.00	0.04	2.20
3 Grading	2026															
3 Total Haul Trips	552															
3 Worker	5	43	8	18.5	15	0.00	0.01	0.20	0.00	0.06	0.00	0.07	0.02	0.00	0.02	2.99
3 Vendor	0	43	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3 Hauling	14	43	8	30.5	0	0.01	1.52	0.45	0.01	0.40	0.02	0.42	0.11	0.02	0.13	28.92
3					Total	0.02	1.53	0.65	0.01	0.46	0.02	0.48	0.12	0.02	0.14	31.91
3 Building Construction	2026															
3 Total Haul Trips	0															
3 Worker	38.9	132	8	18.5	15	0.03	0.11	1.53	0.00	0.50	0.00	0.51	0.13	0.00	0.13	0.00
3 Vendor	6.9911	132	8	10.2	15	0.02	0.40	0.31	0.00	0.06	0.00	0.06	0.02	0.00	0.02	15.88
3 Hauling	0	132	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3					Total	0.04	0.51	1.84	0.01	0.56	0.01	0.57	0.14	0.00	0.15	15.88
3 Building Construction	2027															
3 Total Haul Trips	0															
3 Worker	38.9	211	8	18.5	15	0.02	0.10	1.43	0.00	0.50	0.00	0.51	0.13	0.00	0.13	0.00
3 Vendor	6.99	211	8	10.2	15	0.02	0.38	0.30	0.00	0.06	0.00	0.06	0.02	0.00	0.02	24.90
3 Hauling	0	211	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3					Total	0.04	0.48	1.73	0.01	0.56	0.00	0.57	0.14	0.00	0.15	24.90
3 Architectural Coating	2027															
3 Total Haul Trips	0															
3 Worker	7.78	43	8	18.5	15	0.00	0.02	0.29	0.00	0.10	0.00	0.10	0.03	0.00	0.03	0.00
3 Vendor	0	43	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3 Hauling	0	43	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3					Total	0.00	0.02	0.29	0.00	0.10	0.00	0.10	0.03	0.00	0.03	0.00
3 Paving	2027															
3 Total Haul Trips	0															
3 Worker	17.5	7	8	18.5	15	0.01	0.04	0.64	0.00	0.23	0.00	0.23	0.06	0.00	0.06	0.00
3 Vendor	0	7	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3 Hauling	0	7	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3					Total	0.01	0.04	0.64	0.00	0.23	0.00	0.23	0.06	0.00	0.06	0.00
3 Paving	2028															
3 Total Haul Trips	0															
3 Worker	17.5	35	8	18.5	15	0.01	0.04	0.61	0.00	0.23	0.00	0.23	0.06	0.00	0.06	0.00
3 Vendor	0	35	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3 Hauling	0	35	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					Total	0.01	0.04	0.61	0.00	0.23	0.00	0.23	0.06	0.00	0.06	0.00

9 Demolition	2032															
9 Total Haul Trips	12															
9 Worker	7.5	20	8	18.5	15	0.00	0.02	0.28	0.00	0.13	0.00	0.13	0.03	0.00	0.03	2.33
9 Vendor	0	20	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9 Hauling	2	20	8	30.5	0	0.02	2.07	0.59	0.02	0.68	0.03	0.71	0.18	0.03	0.21	21.92
9					Total	0.02	2.09	0.87	0.02	0.81	0.03	0.84	0.21	0.03	0.25	24.25
9 Grading	2032															
9 Total Haul Trips	486															
9 Worker	10	22	8	18.5	15	0.00	0.02	0.28	0.00	0.13	0.00	0.13	0.03	0.00	0.03	2.33
9 Vendor	0	22	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9 Hauling	24	22	8	30.5	0	0.02	2.07	0.59	0.02	0.68	0.03	0.71	0.18	0.03	0.21	21.92
9					Total	0.02	2.09	0.87	0.02	0.81	0.03	0.84	0.21	0.03	0.25	24.25
9 Building Construction	2032															
9 Total Haul Trips	0															
9 Worker	51.8399	220	8	18.5	15	0.02	0.08	1.46	0.01	0.67	0.00	0.67	0.17	0.00	0.17	0.00
9 Vendor	7.7	220	8	10.2	15	0.01	0.33	0.29	0.00	0.07	0.00	0.07	0.02	0.00	0.02	24.72
9 Hauling	0	220	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9					Total	0.03	0.41	1.75	0.01	0.74	0.00	0.74	0.18	0.00	0.19	24.72
9 Building Construction	2033															
9 Total Haul Trips	0															
9 Worker	51.8	36	8	18.5	15	0.02	0.08	1.39	0.01	0.67	0.00	0.67	0.17	0.00	0.17	0.00
9 Vendor	7.7	36	8	10.2	15	0.01	0.32	0.29	0.00	0.07	0.00	0.07	0.02	0.00	0.02	3.91
9 Hauling	0	36	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9					Total	0.03	0.39	1.68	0.01	0.74	0.00	0.74	0.18	0.00	0.19	3.91
9 Architectural Coating	2033															
9 Total Haul Trips	0															
9 Worker	10.4	22	8	18.5	15	0.00	0.02	0.28	0.00	0.13	0.00	0.13	0.03	0.00	0.03	0.00
9 Vendor	0	22	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9 Hauling	0	22	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9					Total	0.00	0.02	0.28	0.00	0.13	0.00	0.13	0.03	0.00	0.03	0.00
9 Paving	2033															
9 Total Haul Trips	0															
9 Worker	12.5	22	8	18.5	15	0.00	0.02	0.34	0.00	0.16	0.00	0.16	0.04	0.00	0.04	0.00
9 Vendor	0	22	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9 Hauling	0	22	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					Total	0.00	0.02	0.34	0.00	0.16	0.00	0.16	0.04	0.00	0.04	0.00
8 Demolition	2032															
8 Total Haul Trips	140															
8 Worker	7.5	20	8	18.5	15	0.00	0.01	0.21	0.00	0.10	0.00	0.10	0.02	0.00	0.02	0.67
8 Vendor	0	20	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8 Hauling	8	20	8	30.5	0	0.01	0.69	0.20	0.01	0.23	0.01	0.24	0.06	0.01	0.07	6.64
8					Total	0.01	0.70	0.41	0.01	0.32	0.01	0.33	0.08	0.01	0.10	7.31
8 Grading	2032															
8 Total Haul Trips	656															
8 Worker	10	42	8	18.5	15	0.00	0.02	0.28	0.00	0.13	0.00	0.13	0.03	0.00	0.03	3.15
8 Vendor	0	42	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8 Hauling	16	42	8	30.5	0	0.01	1.38	0.40	0.01	0.45	0.02	0.47	0.12	0.02	0.14	27.90
8					Total	0.02	1.40	0.68	0.01	0.58	0.02	0.60	0.15	0.02	0.17	31.05
8 Building Construction	2032															
8 Total Haul Trips	0															
8 Worker	106.5	200	8	18.5	15	0.04	0.17	2.99	0.01	1.38	0.00	1.38	0.34	0.00	0.35	0.00
8 Vendor	41.6	200	8	10.2	15	0.08	1.78	1.58	0.01	0.36	0.01	0.37	0.09	0.01	0.11	121.41
8 Hauling	0	200	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8					Total	0.12	1.95	4.58	0.02	1.74	0.02	1.76	0.44	0.02	0.45	121.41
8 Building Construction	2033															
8 Total Haul Trips	0															
8 Worker	106.5	15	8	18.5	15	0.04	0.15	2.87	0.01	1.38	0.00	1.38	0.34	0.00	0.35	0.00
8 Vendor	41.6	15	8	10.2	15	0.08	1.71	1.54	0.01	0.36	0.01	0.37	0.09	0.01	0.11	8.80
8 Hauling	0	15	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8					Total	0.11	1.86	4.41	0.02	1.74	0.02	1.75	0.44	0.02	0.45	8.80
8 Architectural Coating	2033															
8 Total Haul Trips	0															
8 Worker	21.3	43	8	18.5	15	0.01	0.03	0.57	0.00	0.28	0.00	0.28	0.07	0.00	0.07	0.00
8 Vendor	0	43	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8 Hauling	0	43	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8					Total	0.01	0.03	0.57	0.00	0.28	0.00	0.28	0.07	0.00	0.07	0.00
8 Paving	2033															
8 Total Haul Trips	0															
8 Worker	12.5	22	8	18.5	15	0.00	0.02	0.34	0.00	0.16	0.00	0.16	0.04	0.00	0.04	0.00
8 Vendor	0	22	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8 Hauling	0	22	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					Total	0.00	0.02	0.34	0.00	0.16	0.00	0.16	0.04	0.00	0.04	0.00
6 Demolition	2030															
6 Total Haul Trips	74															
6 Worker	7.5	21	8	18.5	15	0.00	0.01	0.23	0.00	0.10	0.00	0.10	0.02	0.00	0.02	0.37
6 Vendor	0	21	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6 Hauling	4	21	8	30.5	0	0.00	0.37	0.11	0.00	0.11	0.01	0.12	0.03	0.01	0.04	3.68
6					Total	0.01	0.39	0.34	0.00	0.21	0.01	0.22	0.05	0.01	0.06	4.04
6 Grading	2030															
6 Total Haul Trips	670															
6 Worker	5	44	8	18.5	15	0.00	0.01	0.16	0.00	0.06	0.00	0.06	0.02	0.00	0.02	3.33
6 Vendor	0	44	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6 Hauling	16	44	8	30.5	0	0.01	1.49	0.44	0.01	0.45	0.02	0.48	0.12	0.02	0.14	30.81
6					Total	0.01	1.50	0.59	0.01	0.52	0.02	0.54	0.14	0.02	0.16	34.14
6 Building Construction	2030															
6 Total Haul Trips	0															
6 Worker	44.3	173	8	18.5	15	0.02	0.09	1.38	0.00	0.57	0.00	0.58	0.14	0.00	0.14	0.00
6 Vendor	8.04225	173	8	10.2	15	0.02	0.38	0.32	0.00	0.07	0.00	0.07	0.02	0.00	0.02	21.70
6 Hauling	0	173	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6					Total	0.04	0.46	1.70	0.01	0.64	0.00	0.65	0.16	0.00	0.17	21.70
6 Building Construction	2031															
6 Total Haul Trips	0															
6 Worker	44.3	169	8	18.5	15	0.02	0.08	1.31	0.00	0.57	0.00	0.57	0.14	0.00	0.14	36.52
6 Vendor	8.04	169	8	10.2	15	0.02	0.36	0.31	0.00	0.07	0.00	0.07	0.02	0.00	0.02	20.51
6 Hauling	0	169	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6					Total	0.03	0.44	1.62	0.01	0.64	0.00	0.65	0.16	0.00	0.17	57.04
6 Architectural Coating	2031															
6 Total Haul Trips	0															
6 Worker	8.85	44	8	18.5	15	0.00	0.02	0.26	0.00	0.11	0.00	0.11	0.03	0.00	0.03	1.90
6 Vendor	0	44	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6 Hauling	0	44	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6					Total	0.00	0.02	0.26	0.00	0.11	0.00	0.11	0.03	0.00	0.03	1.90
6 Paving	2031															
6 Total Haul Trips	0															
6 Worker	17.5	42	8	18.5	15	0.01	0.03	0.52	0.00	0.23	0.00	0.23	0.06	0.00	0.06	3.59
6 Vendor	0	42	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6 Hauling	0	42	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					Total	0.01	0.03	0.52	0.00	0.23	0.00	0.23	0.06	0.00	0.06	3.59

7 Demolition	2030															
7 Total Haul Trips	74															
7 Worker	7.5	21	8	18.5	15	0.00	0.01	0.23	0.00	0.10	0.00	0.10	0.02	0.00	0.02	0.78
7 Vendor	0	21	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7 Hauling	4	21	8	30.5	0	0.00	0.37	0.11	0.00	0.11	0.01	0.12	0.03	0.01	0.04	3.68
7					Total	0.01	0.39	0.34	0.00	0.21	0.01	0.22	0.05	0.01	0.06	4.46
7 Grading	2030															
7 Total Haul Trips	670															
7 Worker	5	44	8	18.5	15	0.00	0.01	0.16	0.00	0.06	0.00	0.06	0.02	0.00	0.02	1.09
7 Vendor	0	44	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7 Hauling	16	44	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7					Total	0.00	0.01	0.16	0.00	0.06	0.00	0.06	0.02	0.00	0.02	1.09
7 Building Construction	2030															
7 Total Haul Trips	0															
7 Worker	44.3	173	8	18.5	15	0.02	0.09	1.38	0.00	0.57	0.00	0.58	0.14	0.00	0.14	38.08
7 Vendor	8.04	173	8	10.2	15	0.02	0.38	0.32	0.00	0.07	0.00	0.07	0.02	0.00	0.02	21.70
7 Hauling	0	173	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7					Total	0.04	0.46	1.70	0.01	0.64	0.00	0.65	0.16	0.00	0.17	59.78
7 Building Construction	2031															
7 Total Haul Trips	0															
7 Worker	44.3	169	8	18.5	15	0.02	0.08	1.31	0.00	0.57	0.00	0.57	0.14	0.00	0.14	36.52
7 Vendor	8.04	169	8	10.2	15	0.02	0.36	0.31	0.00	0.07	0.00	0.07	0.02	0.00	0.02	20.51
7 Hauling	0	169	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7					Total	0.03	0.44	1.62	0.01	0.64	0.00	0.65	0.16	0.00	0.17	57.04
7 Architectural Coating	2031															
7 Total Haul Trips	0															
7 Worker	8.85	44	8	18.5	15	0.00	0.02	0.26	0.00	0.11	0.00	0.11	0.03	0.01	0.04	1.90
7 Vendor	0	44	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7 Hauling	0	44	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7					Total	0.00	0.02	0.26	0.00	0.11	0.00	0.11	0.03	0.01	0.04	1.90
7 Paving	2031															
7 Total Haul Trips	0															
7 Worker	17.5	42	8	18.5	15	0.01	0.03	0.52	0.00	0.23	0.00	0.23	0.06	0.02	0.07	3.59
7 Vendor	0	42	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7 Hauling	0	42	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					Total	0.01	0.03	0.52	0.00	0.23	0.00	0.23	0.06	0.02	0.07	3.59
5 Demolition	2028															
5 Total Haul Trips	44															
5 Worker	7.5	20	8	18.5	15	0.00	0.02	0.26	0.00	0.10	0.00	0.10	0.02	0.00	0.03	0.78
5 Vendor	0	20	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5 Hauling	4	20	8	30.5	0	0.00	0.40	0.12	0.00	0.11	0.01	0.12	0.03	0.17	0.20	3.68
5					Total	0.01	0.42	0.38	0.00	0.21	0.01	0.22	0.05	0.17	0.23	4.46
5 Grading	2028															
5 Total Haul Trips	468															
5 Worker	7.5	22	8	18.5	15	0.00	0.02	0.26	0.00	0.10	0.00	0.10	0.02	0.00	0.03	0.85
5 Vendor	0	22	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5 Hauling	22	22	8	30.5	0	0.02	2.21	0.65	0.02	0.62	0.03	0.65	0.17	1.01	1.17	22.26
5					Total	0.02	2.23	0.91	0.02	0.72	0.03	0.75	0.19	1.01	1.20	23.12
5 Building Construction	2028															
5 Total Haul Trips	0															
5 Worker	50.4	176	8	18.5	15	0.03	0.12	1.75	0.01	0.65	0.00	0.65	0.16	0.26	0.42	45.92
5 Vendor	7.48	176	8	10.2	15	0.02	0.39	0.31	0.00	0.07	0.00	0.07	0.02	0.89	0.90	21.71
5 Hauling	0	176	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5					Total	0.04	0.51	2.06	0.01	0.72	0.01	0.72	0.18	1.15	1.33	67.63
5 Building Construction	2029															
5 Total Haul Trips	0															
5 Worker	50.4	80	8	18.5	15	0.02	0.11	1.65	0.01	0.65	0.00	0.65	0.16	0.11	0.27	20.44
5 Vendor	7.483	80	8	10.2	15	0.02	0.37	0.31	0.00	0.07	0.00	0.07	0.02	0.39	0.41	9.62
5 Hauling	0	80	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5					Total	0.04	0.48	1.96	0.01	0.72	0.00	0.72	0.18	0.51	0.68	30.05
5 Architectural Coating	2029															
5 Total Haul Trips	0															
5 Worker	10.1	22	8	18.5	15	0.00	0.02	0.33	0.00	0.13	0.00	0.13	0.03	0.01	0.04	1.13
5 Vendor	0	22	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5 Hauling	0	22	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5					Total	0.00	0.02	0.33	0.00	0.13	0.00	0.13	0.03	0.01	0.04	1.13
5 Paving	2029															
5 Total Haul Trips	0															
5 Worker	17.5	22	8	18.5	15	0.01	0.04	0.57	0.00	0.23	0.00	0.23	0.06	0.01	0.07	1.95
5 Vendor	0	22	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5 Hauling	0	22	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					Total	0.01	0.04	0.57	0.00	0.23	0.00	0.23	0.06	0.01	0.07	1.95
10 Demolition	2033															
10 Total Haul Trips	174															
10 Worker	7.5	20	8	18.5	15	0.00	0.01	0.20	0.00	0.10	0.00	0.10	0.02	0.00	0.03	0.71
10 Vendor	0	20	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10 Hauling	10	20	8	30.5	0	0.01	0.83	0.23	0.01	0.28	0.01	0.30	0.08	0.37	0.44	8.10
10					Total	0.01	0.84	0.43	0.01	0.38	0.01	0.39	0.10	0.37	0.47	8.81
10 Grading	2033															
10 Total Haul Trips	1,064															
10 Worker	10	20	8	18.5	15	0.00	0.01	0.27	0.00	0.13	0.00	0.13	0.03	0.00	0.04	0.94
10 Vendor	0	20	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10 Hauling	54	20	8	30.5	0	0.04	4.50	1.26	0.04	1.52	0.07	1.60	0.41	1.98	2.39	43.73
10					Total	0.04	4.51	1.53	0.04	1.65	0.07	1.72	0.44	1.99	2.42	44.67
10 Building Construction	2033															
10 Total Haul Trips	0															
10 Worker	18.102	70	8	18.5	15	0.01	0.03	0.49	0.00	0.23	0.00	0.23	0.06	0.03	0.09	5.98
10 Vendor	7.06409	70	8	10.2	15	0.01	0.29	0.26	0.00	0.06	0.00	0.06	0.02	0.29	0.31	6.97
10 Hauling	0	70	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10					Total	0.02	0.32	0.75	0.00	0.30	0.00	0.30	0.07	0.32	0.39	12.96
10 Building Construction	2034															
10 Total Haul Trips	0															
10 Worker	18.1	188	8	18.5	15	0.01	0.02	0.47	0.00	0.23	0.00	0.23	0.06	0.07	0.13	15.85
10 Vendor	7.06	188	8	10.2	15	0.01	0.28	0.26	0.00	0.06	0.00	0.06	0.02	0.75	0.77	18.08
10 Hauling	0	188	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10					Total	0.02	0.30	0.72	0.00	0.30	0.00	0.30	0.07	0.83	0.90	33.92
10 Architectural Coating	2034															
10 Total Haul Trips	0															
10 Worker	3.6204	22	8	18.5	15	0.00	0.00	0.09	0.00	0.05	0.00	0.05	0.01	0.00	0.01	0.37
10 Vendor	0	22	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10 Hauling	0	22	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10					Total	0.00	0.00	0.09	0.00	0.05	0.00	0.05	0.01	0.00	0.01	0.37
10 Paving	2034															
10 Total Haul Trips	0															
10 Worker	12.5	20	8	18.5	15	0.00	0.02	0.32	0.00	0.16	0.00	0.16	0.04	0.01	0.05	1.16
10 Vendor	0	20	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10 Hauling	0	20	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					Total	0.00	0.02	0.32	0.00	0.16	0.00	0.16	0.04	0.01	0.05	1.16

11 Demolition	2033															
11 Total Haul Trips	68															
11 Worker	7.5	23	8	18.5	15	0.00	0.01	0.20	0.00	0.10	0.00	0.10	0.02	0.00	0.03	0.81
11 Vendor	0	23	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11 Hauling	4	23	8	30.5	0	0.00	0.33	0.09	0.00	0.11	0.01	0.12	0.03	0.17	0.20	3.72
11					Total	0.01	0.34	0.29	0.00	0.21	0.01	0.22	0.05	0.17	0.23	4.54
11 Grading	2033															
11 Total Haul Trips	526															
11 Worker	5	42	8	18.5	15	0.00	0.01	0.13	0.00	0.06	0.00	0.06	0.02	0.00	0.02	0.99
11 Vendor	0	42	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11 Hauling	14	42	8	30.5	0	0.01	1.17	0.33	0.01	0.39	0.02	0.41	0.11	1.08	1.18	23.81
11					Total	0.01	1.17	0.46	0.01	0.46	0.02	0.48	0.12	1.08	1.21	24.80
11 Building Construction	2033															
11 Total Haul Trips	0															
11 Worker	44.55	45	8	18.5	15	0.01	0.06	1.20	0.00	0.58	0.00	0.58	0.14	0.05	0.19	9.47
11 Vendor	7.99	45	8	10.2	15	0.01	0.33	0.30	0.00	0.07	0.00	0.07	0.02	0.21	0.23	5.07
11 Hauling	0	45	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11					Total	0.03	0.39	1.49	0.01	0.65	0.00	0.65	0.16	0.26	0.42	14.54
11 Building Construction	2034															
11 Total Haul Trips	0															
11 Worker	44.5	260	8	18.5	15	0.01	0.06	1.15	0.00	0.58	0.00	0.58	0.14	0.25	0.39	53.88
11 Vendor	7.99	260	8	10.2	15	0.01	0.31	0.29	0.00	0.07	0.00	0.07	0.02	1.18	1.20	28.29
11 Hauling	0	260	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11					Total	0.03	0.37	1.44	0.01	0.64	0.00	0.65	0.16	1.43	1.59	82.17
11 Building Construction	2035															
11 Total Haul Trips	0															
11 Worker	44.5	39	8	18.5	15	0.01	0.06	1.10	0.00	0.58	0.00	0.58	0.14	0.04	0.18	7.98
11 Vendor	7.99	39	8	10.2	15	0.01	0.30	0.28	0.00	0.07	0.00	0.07	0.02	0.17	0.19	4.10
11 Hauling	0	39	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11					Total	0.03	0.36	1.39	0.01	0.64	0.00	0.65	0.16	0.21	0.37	12.08
11 Architectural Coating	2035															
11 Total Haul Trips	0															
11 Worker	8.91	42	8	18.5	15	0.00	0.01	0.22	0.00	0.12	0.00	0.12	0.03	0.01	0.04	1.72
11 Vendor	0	42	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11 Hauling	0	42	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11					Total	0.00	0.01	0.22	0.00	0.12	0.00	0.12	0.03	0.01	0.04	1.72
11 Paving	2035															
11 Total Haul Trips	0															
11 Worker	17.5	44	8	18.5	15	0.00	0.02	0.43	0.00	0.23	0.00	0.23	0.06	0.02	0.07	3.54
11 Vendor	0	44	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11 Hauling	0	44	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					Total	0.00	0.02	0.43	0.00	0.23	0.00	0.23	0.06	0.02	0.07	3.54
12 Demolition	2035															
12 Total Haul Trips	24															
12 Worker	7.5	19	8	18.5	15	0.00	0.01	0.19	0.00	0.10	0.00	0.10	0.02	0.00	0.03	0.66
12 Vendor	0	19	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12 Hauling	2	19	8	30.5	0	0.00	0.16	0.04	0.00	0.06	0.00	0.06	0.02	0.07	0.08	1.47
12					Total	0.00	0.17	0.23	0.00	0.15	0.00	0.16	0.04	0.07	0.11	2.12
12 Grading	2035															
12 Total Haul Trips	650															
12 Worker	10	21	8	18.5	15	0.00	0.01	0.25	0.00	0.13	0.00	0.13	0.03	0.00	0.04	0.97
12 Vendor	0	21	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12 Hauling	32	21	8	30.5	0	0.02	2.50	0.67	0.02	0.90	0.04	0.94	0.24	1.18	1.42	25.95
12					Total	0.02	2.51	0.92	0.02	1.03	0.04	1.07	0.27	1.18	1.45	26.92
12 Building Construction	2035															
12 Total Haul Trips	0															
12 Worker	83.1464	91	8	18.5	15	0.02	0.10	2.06	0.01	1.08	0.00	1.08	0.27	0.16	0.43	34.79
12 Vendor	14.04796	91	8	10.2	15	0.02	0.53	0.49	0.00	0.12	0.00	0.13	0.03	0.70	0.73	16.82
12 Hauling	0	91	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12					Total	0.05	0.63	2.56	0.01	1.20	0.01	1.20	0.30	0.86	1.16	51.61
12 Building Construction	2036															
12 Total Haul Trips	0															
12 Worker	83.1	166	8	18.5	15	0.02	0.10	1.99	0.01	1.07	0.00	1.08	0.27	0.28	0.55	62.77
12 Vendor	14	166	8	10.2	15	0.02	0.51	0.48	0.00	0.12	0.00	0.12	0.03	1.24	1.27	29.58
12 Hauling	0	166	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12					Total	0.04	0.61	2.48	0.01	1.20	0.01	1.20	0.30	1.52	1.82	92.35
12 Architectural Coating	2036															
12 Total Haul Trips	0															
12 Worker	16.6293	22	8	18.5	15	0.00	0.02	0.40	0.00	0.22	0.00	0.22	0.05	0.01	0.06	1.66
12 Vendor	0	22	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12 Hauling	0	22	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12					Total	0.00	0.02	0.40	0.00	0.22	0.00	0.22	0.05	0.01	0.06	1.66
12 Paving	2036															
12 Total Haul Trips	0															
12 Worker	12.5	21	8	18.5	15	0.00	0.01	0.30	0.00	0.16	0.00	0.16	0.04	0.01	0.05	1.19
12 Vendor	0	21	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12 Hauling	0	21	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					Total	0.00	0.01	0.30	0.00	0.16	0.00	0.16	0.04	0.01	0.05	1.19
13 Demolition	2035															
13 Total Haul Trips	40															
13 Worker	7.5	19	8	18.5	15	0.00	0.01	0.19	0.00	0.10	0.00	0.10	0.02	0.00	0.03	0.66
13 Vendor	0	19	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13 Hauling	4	19	8	30.5	0	0.00	0.31	0.08	0.00	0.11	0.01	0.12	0.03	0.13	0.16	2.94
13					Total	0.00	0.32	0.27	0.00	0.21	0.01	0.22	0.05	0.14	0.19	3.59
13 Grading	2035															
13 Total Haul Trips	380															
13 Worker	7.5	21	8	18.5	15	0.00	0.01	0.19	0.00	0.10	0.00	0.10	0.02	0.00	0.03	0.72
13 Vendor	0	21	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13 Hauling	20	21	8	30.5	0	0.01	1.56	0.42	0.01	0.56	0.03	0.59	0.15	0.74	0.89	16.22
13					Total	0.02	1.57	0.60	0.02	0.66	0.03	0.69	0.17	0.74	0.91	16.95
13 Building Construction	2035															
13 Total Haul Trips	0															
13 Worker	39.6	91	8	18.5	15	0.01	0.05	0.98	0.00	0.51	0.00	0.51	0.13	0.08	0.20	16.57
13 Vendor	5.9	91	8	10.2	15	0.01	0.22	0.21	0.00	0.05	0.00	0.05	0.01	0.30	0.31	7.06
13 Hauling	0	91	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13					Total	0.02	0.27	1.19	0.01	0.56	0.00	0.57	0.14	0.37	0.51	23.63
13 Building Construction	2036															
13 Total Haul Trips	0															
13 Worker	39.6	166	8	18.5	15	0.01	0.05	0.95	0.00	0.51	0.00	0.51	0.13	0.13	0.26	29.91
13 Vendor	5.9	166	8	10.2	15	0.01	0.21	0.20	0.00	0.05	0.00	0.05	0.01	0.52	0.54	12.46
13 Hauling	0	166	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13					Total	0.02	0.26	1.15	0.01	0.56	0.00	0.57	0.14	0.66	0.80	42.38
13 Architectural Coating	2036															
13 Total Haul Trips	0															
13 Worker	7.92	22	8	18.5	15	0.00	0.01	0.19	0.00	0.10	0.00	0.10	0.03	0.00	0.03	0.79
13 Vendor	0	22	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13 Hauling	0	22	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13					Total	0.00	0.01	0.19	0.00	0.10	0.00	0.10	0.03	0.00	0.03	0.79
13 Paving	2036															
13 Total Haul Trips	0															
13 Worker	17.5	21	8	18.5	15	0.01	0.05	1.02	0.00	0.51	0.00	0.51	0.13	0.01	0.14	2.77
13 Vendor	0	21	8	10.2	15	0.01	0.23	0.21	0.00	0.05	0.00	0.05	0.01	0.05	0.06	1.20
13 Hauling	0	21	8	30.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					Total	0.02	0.28	1.23	0.01	0.56	0.00	0.57	0.14	0.06	0.20	3.97

CMWC
Running Emissions

		Running Emissions Factor (grams/mile)						Running Emissions Factor (grams/mile)		
		ROG_RUNEX	NOx_RUNEX	CO_RUNEX	SOx_RUNEX	PM10_RUNEX	PM2.5_RUNEX	CO2_RUNEX	CH4_RUNEX	N2O_RUNEX
2025	2025Hauling Hauling	0.01431182	1.682904108	0.49345533	0.01390961	0.02282737	0.02183543	1529.97223	0.06799383	0.24382581
2025	2025Vendor Vendor	0.01962764	1.243630697	0.43346534	0.01262634	0.01566747	0.01498289	1361.14553	0.03886668	0.189104
2025	2025Worker Worker	0.01787186	0.075802473	1.03213211	0.0029504	0.00169862	0.00156324	298.462038	0.00428093	0.00645127
2026	2026Hauling Hauling	0.01368221	1.614053992	0.47684787	0.01364538	0.0226378	0.02165426	1501.9816	0.06476403	0.23941148
2026	2026Vendor Vendor	0.01750743	1.169214075	0.39765668	0.0123973	0.01509905	0.01443925	1337.37545	0.03715504	0.1862605
2026	2026Worker Worker	0.01606854	0.068748951	0.96391263	0.00287744	0.0016094	0.00148096	291.081419	0.00388866	0.00603267
2027	2027Hauling Hauling	0.013128	1.553518611	0.45473657	0.01336714	0.02273486	0.02174732	1471.80075	0.0608523	0.23462364
2027	2027Vendor Vendor	0.01570588	1.102331968	0.36327753	0.01214871	0.01475662	0.01411185	1311.1435	0.03509759	0.18307889
2027	2027Worker Worker	0.01447264	0.062492418	0.90233334	0.00281062	0.00150729	0.0013867	284.320587	0.00354266	0.00566149
2028	2028Hauling Hauling	0.01261339	1.493718015	0.43877031	0.01305596	0.02247317	0.02149714	1438.29866	0.05768159	0.22931835
2028	2028Vendor Vendor	0.01417298	1.038868065	0.3360531	0.01185313	0.01426835	0.01364491	1280.01295	0.03342244	0.17922194
2028	2028Worker Worker	0.01314756	0.057035459	0.85167037	0.00274948	0.00140448	0.00129194	278.134904	0.00325313	0.00533773
2029	2029Hauling Hauling	0.01213472	1.434866903	0.4224926	0.01273534	0.0221686	0.0212059	1403.60667	0.05465536	0.22381566
2029	2029Vendor Vendor	0.0128196	0.978781777	0.31101237	0.01152628	0.01380314	0.01320005	1245.46404	0.03180989	0.17489835
2029	2029Worker Worker	0.01192021	0.051957034	0.80464317	0.00269297	0.00130724	0.00120239	272.417637	0.00298654	0.00503952
2030	2030Hauling Hauling	0.01169729	1.381905725	0.40596438	0.01241489	0.02183595	0.02088778	1368.72007	0.05170538	0.2182712
2030	2030Vendor Vendor	0.01168751	0.9252091	0.28941545	0.01117412	0.01336285	0.01277903	1208.11234	0.03023265	0.17022289
2030	2030Worker Worker	0.01081241	0.047255061	0.76242747	0.00264062	0.00121547	0.00111789	267.121939	0.00274623	0.00476556
2031	2031Hauling Hauling	0.01126827	1.331771303	0.38663416	0.01209496	0.02148002	0.02054741	1333.31591	0.04842446	0.21262163
2031	2031Vendor Vendor	0.01070694	0.874998281	0.26868024	0.01079467	0.01293916	0.01237394	1167.57711	0.02847022	0.16520071
2031	2031Worker Worker	0.00977403	0.042746598	0.72305591	0.00259298	0.00112929	0.00103861	262.302837	0.0025216	0.00450761
2032	2032Hauling Hauling	0.0108642	1.282654103	0.36747739	0.01178059	0.02107778	0.02016271	1298.43453	0.04537614	0.20705087
2032	2032Vendor Vendor	0.0098875	0.828832885	0.25046056	0.01041634	0.01252715	0.01198002	1127.07998	0.0268194	0.16014885
2032	2032Worker Worker	0.0088765	0.038898265	0.68915879	0.0025509	0.00105112	0.0009667	258.045241	0.00232787	0.00428532
2033	2033Hauling Hauling	0.01051744	1.239009619	0.34608718	0.01149459	0.02091167	0.02000392	1266.25068	0.04237193	0.20189123
2033	2033Vendor Vendor	0.00918411	0.787765341	0.23237182	0.01005173	0.01226911	0.01173341	1087.83635	0.02517166	0.15524507
2033	2033Worker Worker	0.00807376	0.035637431	0.65980991	0.00251098	0.00097749	0.00089898	254.007094	0.00215345	0.00409315
2034	2034Hauling Hauling	0.01018835	1.196875185	0.32827034	0.01122264	0.02053205	0.01964083	1235.68716	0.03979933	0.19699324
2034	2034Vendor Vendor	0.00858355	0.749914812	0.2173585	0.00969461	0.01192117	0.01140078	1049.42198	0.02374434	0.1504349
2034	2034Worker Worker	0.00731429	0.032773586	0.63161129	0.00247618	0.0009084	0.00083545	250.486419	0.00199001	0.00392005
2035	2035Hauling Hauling	0.00991824	1.16184984	0.31098114	0.01097908	0.02019739	0.01932076	1208.00372	0.03748874	0.19254337
2035	2035Vendor Vendor	0.00807895	0.71732663	0.20356446	0.00935506	0.01161096	0.01110425	1012.78664	0.02245188	0.14586311
2035	2035Worker Worker	0.00668806	0.030636442	0.60862382	0.00244542	0.00084759	0.00077953	247.374614	0.00185487	0.00378393

Phase	Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day) ROG	NOX	CO	SO2	PM10	PM2.5	Regional Emissions (MT/year) CO2	CH4	N2O	CO2e
0	Demolition	2025													
0	Total Haul Trips	870													
0	Worker	15	44	8	18.5	0.01	0.05	0.63	0.00	0.00	0.00	4.80	0.00	0.03	4.84
0	Vendor	0	44	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	Hauling	20	44	8	30.5	0.02	2.26	0.66	0.02	0.03	0.03	41.06	0.05	1.95	43.06
0															
0	Site Prep	2025													
0	Total Haul Trips	66													
0	Worker	5	21	8	18.5	0.00	0.02	0.21	0.00	0.00	0.00	0.36	0.00	0.00	0.37
0	Vendor	0	21	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	Hauling	4	21	8	30.5	0.00	0.45	0.13	0.00	0.01	0.01	3.92	0.00	0.19	4.11
0															

1	Demolition	2025												
1	Total Haul Trips	148												
1	Worker	7.5	21	8	18.5	0.01	0.02	0.32	0.00	0.00	0.00	0.82	0.00	0.01	0.82
1	Vendor	0	21	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	Hauling	8	21	8	30.5	0.01	0.91	0.27	0.01	0.01	0.01	7.84	0.01	0.37	8.22
1															
1	Grading	2025													
1	Total Haul Trips	0													
1	Worker	10	44	8	18.5	0.01	0.03	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	Vendor	0	44	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	Hauling	0	44	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1															
1	Building Construction	2025													
1	Total Haul Trips	0													
1	Worker	70	88	8	18.5	0.05	0.22	2.95	0.01	0.00	0.00	0.00	0.00	0.00	0.00
1	Vendor	36	88	8	10.2	0.02	1.01	0.35	0.01	0.01	0.01	43.98	0.03	1.82	45.84
1	Hauling	0	88	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1															
1	Building Construction	2026													
1	Total Haul Trips	0													
1	Worker	70	19	8	18.5	0.05	0.20	2.75	0.01	0.00	0.00	0.00	0.00	0.00	0.00
1	Vendor	36	19	8	10.2	0.01	0.95	0.32	0.01	0.01	0.01	9.33	0.01	0.39	9.72
1	Hauling	0	19	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1															
1	Architectural Coating	2026													
1	Total Haul Trips	0													
1	Worker	14	19	8	18.5	0.01	0.04	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	Vendor	0	19	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	Hauling	0	19	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1															
1	Paving	2026													
1	Total Haul Trips	0													
1	Worker	15	22	8	18.5	0.01	0.04	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	Vendor	0	22	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	Hauling	0	22	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0															
4	Demolition	2028													
4	Total Haul Trips	134													
4	Worker	7.5	20	8	18.5	0.00	0.02	0.26	0.00	0.00	0.00	0.69	0.00	0.00	0.69
4	Vendor	0	20	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Hauling	8	20	8	30.5	0.01	0.80	0.24	0.01	0.01	0.01	7.02	0.01	0.33	7.36
4															
4	Building Construction	2029													
4	Total Haul Trips	0													
4	Worker	55.3	188	8	18.5	0.03	0.12	1.81	0.01	0.00	0.00	0.00	0.00	0.00	0.00
4	Vendor	26.3	188	8	10.2	0.01	0.58	0.18	0.01	0.01	0.01	62.81	0.04	2.63	65.48
4	Hauling	0	188	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4															
4	Architectural Coating	2029													
4	Total Haul Trips	0													
4	Worker	11.1	42	8	18.5	0.01	0.02	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Vendor	0	42	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Hauling	0	42	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4															
4	Paving	2029													
4	Total Haul Trips	0													
4	Worker	12.5	31	8	18.5	0.01	0.03	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Vendor	0	31	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Hauling	0	31	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4															
4	Paving	2030													
4	Total Haul Trips	0													
4	Worker	12.5	13	8	18.5	0.01	0.02	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Vendor	0	13	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Hauling	0	13	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4															
4	Demolition	2026													
4	Total Haul Trips	44													
4	Worker	7.5	22	8	18.5	0.00	0.02	0.29	0.00	0.00	0.00	0.24	0.00	0.00	0.24
4	Vendor	0	22	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Hauling	2	22	8	30.5	0.00	0.22	0.06	0.00	0.00	0.00	2.02	0.00	0.10	2.11
4															
4	Grading	2026													
4	Total Haul Trips	552													
4	Worker	5	43	8	18.5	0.00	0.01	0.20	0.00	0.00	0.00	2.97	0.00	0.02	2.99
4	Vendor	0	43	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Hauling	14	43	8	30.5	0.01	1.52	0.45	0.01	0.02	0.02	27.58	0.03	1.31	28.92
0															

2	Building Construction	2026												
2	Total Haul Trips	0												
2	Worker	38.9	132	8	18.5	0.03	0.11	1.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Vendor	6.9911	132	8	10.2	0.00	0.18	0.06	0.00	0.00	0.00	12.59	0.01	0.52	13.12
2	Hauling	0	132	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2															
2	Building Construction	2027													
2	Total Haul Trips	0													
2	Worker	38.9	211	8	18.5	0.02	0.10	1.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Vendor	6.99	211	8	10.2	0.00	0.17	0.06	0.00	0.00	0.00	19.72	0.01	0.82	20.56
2	Hauling	0	211	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2															
2	Architectural Coating	2027													
2	Total Haul Trips	0													
2	Worker	7.78	43	8	18.5	0.00	0.02	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Vendor	0	43	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Hauling	0	43	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2															
2	Paving	2027													
2	Total Haul Trips	0													
2	Worker	17.5	7	8	18.5	0.01	0.04	0.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Vendor	0	7	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Hauling	0	7	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2															
2	Paving	2028													
2	Total Haul Trips	0													
2	Worker	17.5	35	8	18.5	0.01	0.04	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Vendor	0	35	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Hauling	0	35	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2															
2	Demolition	2026													
2	Total Haul Trips	16													
2	Worker	7.5	22	8	18.5	0.00	0.02	0.29	0.00	0.00	0.00	0.09	0.00	0.00	0.09
2	Vendor	0	22	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Hauling	2	22	8	30.5	0.00	0.22	0.06	0.00	0.00	0.00	2.02	0.00	0.10	2.11
2															
2	Grading	2026													
2	Total Haul Trips	552													
2	Worker	5	43	8	18.5	0.00	0.01	0.20	0.00	0.00	0.00	2.97	0.00	0.02	2.99
2	Vendor	0	43	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Hauling	14	43	8	30.5	0.01	1.52	0.45	0.01	0.02	0.02	27.58	0.03	1.31	28.92
0															
3	Building Construction	2026													
3	Total Haul Trips	0													
3	Worker	38.9	132	8	18.5	0.03	0.11	1.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Vendor	6.9911	132	8	10.2	0.00	0.18	0.06	0.00	0.00	0.00	12.59	0.01	0.52	13.12
3	Hauling	0	132	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3															
3	Building Construction	2027													
3	Total Haul Trips	0													
3	Worker	38.9	211	8	18.5	0.02	0.10	1.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Vendor	6.99	211	8	10.2	0.00	0.17	0.06	0.00	0.00	0.00	19.72	0.01	0.82	20.56
3	Hauling	0	211	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3															
3	Architectural Coating	2027													
3	Total Haul Trips	0													
3	Worker	7.78	43	8	18.5	0.00	0.02	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Vendor	0	43	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Hauling	0	43	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3															
3	Paving	2027													
3	Total Haul Trips	0													
3	Worker	17.5	7	8	18.5	0.01	0.04	0.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Vendor	0	7	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Hauling	0	7	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3															
3	Paving	2028													
3	Total Haul Trips	0													
3	Worker	17.5	35	8	18.5	0.01	0.04	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Vendor	0	35	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Hauling	0	35	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3															
3	Grading	2032													
3	Total Haul Trips	486													
3	Worker	10	22	8	18.5	0.00	0.02	0.28	0.00	0.00	0.00	2.32	0.00	0.01	2.33
3	Vendor	0	22	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Hauling	24	22	8	30.5	0.02	2.07	0.59	0.02	0.03	0.03	20.91	0.02	0.99	21.92
3															
3	Building Construction	2032													
3	Total Haul Trips	0													
3	Worker	51.8399	220	8	18.5	0.02	0.08	1.46	0.01	0.00	0.00	0.00	0.00	0.00	0.00
3	Vendor	7.7	220	8	10.2	0.00	0.14	0.04	0.00	0.00	0.00	19.47	0.01	0.82	20.31
3	Hauling	0	220	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0															

9	Building Construction	2033												
9	Total Haul Trips	0												
9	Worker	51.8	36	8	18.5	0.02	0.08	1.39	0.01	0.00	0.00	0.00	0.00	0.00	0.00
9	Vendor	7.7	36	8	10.2	0.00	0.14	0.04	0.00	0.00	0.00	3.08	0.00	0.13	3.21
9	Hauling	0	36	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9															
9	Architectural Coating	2033													
9	Total Haul Trips	0													
9	Worker	10.4	22	8	18.5	0.00	0.02	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	Vendor	0	22	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	Hauling	0	22	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9															
9	Paving	2033													
9	Total Haul Trips	0													
9	Worker	12.5	22	8	18.5	0.00	0.02	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	Vendor	0	22	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	Hauling	0	22	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9															
9	Demolition	2032													
9	Total Haul Trips	140													
9	Worker	7.5	20	8	18.5	0.00	0.01	0.21	0.00	0.00	0.00	0.67	0.00	0.00	0.67
9	Vendor	0	20	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	Hauling	8	20	8	30.5	0.01	0.69	0.20	0.01	0.01	0.01	6.34	0.01	0.30	6.64
9															
9	Grading	2032													
9	Total Haul Trips	656													
9	Worker	10	42	8	18.5	0.00	0.02	0.28	0.00	0.00	0.00	3.13	0.00	0.02	3.15
9	Vendor	0	42	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	Hauling	16	42	8	30.5	0.01	1.38	0.40	0.01	0.02	0.02	26.61	0.02	1.26	27.90
9															
9	Building Construction	2032													
9	Total Haul Trips	0													
9	Worker	106.5	200	8	18.5	0.04	0.17	2.99	0.01	0.00	0.00	0.00	0.00	0.00	0.00
9	Vendor	41.6	200	8	10.2	0.01	0.78	0.23	0.01	0.01	0.01	95.65	0.06	4.05	99.76
9	Hauling	0	200	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0															
8	Building Construction	2033													
8	Total Haul Trips	0													
8	Worker	106.5	15	8	18.5	0.04	0.15	2.87	0.01	0.00	0.00	0.00	0.00	0.00	0.00
8	Vendor	41.6	15	8	10.2	0.01	0.74	0.22	0.01	0.01	0.01	6.92	0.00	0.29	7.22
8	Hauling	0	15	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8															
8	Architectural Coating	2033													
8	Total Haul Trips	0													
8	Worker	21.3	43	8	18.5	0.01	0.03	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Vendor	0	43	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Hauling	0	43	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8															
8	Paving	2033													
8	Total Haul Trips	0													
8	Worker	12.5	22	8	18.5	0.00	0.02	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Vendor	0	22	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Hauling	0	22	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8															
8	Demolition	2030													
8	Total Haul Trips	74													
8	Worker	7.5	21	8	18.5	0.00	0.01	0.23	0.00	0.00	0.00	0.37	0.00	0.00	0.37
8	Vendor	0	21	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Hauling	4	21	8	30.5	0.00	0.37	0.11	0.00	0.01	0.01	3.51	0.00	0.17	3.68
8															
8	Grading	2030													
8	Total Haul Trips	670													
8	Worker	5	44	8	18.5	0.00	0.01	0.16	0.00	0.00	0.00	3.31	0.00	0.02	3.33
8	Vendor	0	44	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Hauling	16	44	8	30.5	0.01	1.49	0.44	0.01	0.02	0.02	29.39	0.03	1.40	30.81
8															
8	Building Construction	2030													
8	Total Haul Trips	0													
8	Worker	44.3	173	8	18.5	0.02	0.09	1.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Vendor	8.04225	173	8	10.2	0.00	0.17	0.05	0.00	0.00	0.00	17.14	0.01	0.72	17.88
8	Hauling	0	173	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0															
6	Building Construction	2031													
6	Total Haul Trips	0													
6	Worker	44.3	169	8	18.5	0.02	0.08	1.31	0.00	0.00	0.00	36.33	0.01	0.19	36.52
6	Vendor	8.04	169	8	10.2	0.00	0.16	0.05	0.00	0.00	0.00	16.18	0.01	0.68	16.87
6	Hauling	0	169	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6															
6	Architectural Coating	2031													
6	Total Haul Trips	0													
6	Worker	8.85	44	8	18.5	0.00	0.02	0.26	0.00	0.00	0.00	1.89	0.00	0.01	1.90
6	Vendor	0	44	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Hauling	0	44	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6															
6	Paving	2031													
6	Total Haul Trips	0													
6	Worker	17.5	42	8	18.5	0.01	0.03	0.52	0.00	0.00	0.00	3.57	0.00	0.02	3.59
6	Vendor	0	42	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Hauling	0	42	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6															
6	Demolition	2030													
6	Total Haul Trips	74													
6	Worker	7.5	21	8	18.5	0.00	0.01	0.23	0.00	0.00	0.00	0.78	0.00	0.00	0.78
6	Vendor	0	21	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Hauling	4	21	8	30.5	0.00	0.37	0.11	0.00	0.01	0.01	3.51	0.00	0.17	3.68
6															
6	Grading	2030													
6	Total Haul Trips	670													
6	Worker	5	44	8	18.5	0.00	0.01	0.16	0.00	0.00	0.00	1.09	0.00	0.01	1.09
6	Vendor	0	44	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Hauling	0	44	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6															
6	Building Construction	2030													
6	Total Haul Trips	0													
6	Worker	44.3	173	8	18.5	0.02	0.09	1.38	0.00	0.00	0.00	37.87	0.01	0.20	38.08
6	Vendor	8.04	173	8	10.2	0.00	0.17	0.05	0.00	0.00	0.00	17.14	0.01	0.72	17.87
6	Hauling	0	173	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0															

7	Building Construction	2031												
7	Total Haul Trips	0												
7	Worker	44.3	169	8	18.5	0.02	0.08	1.31	0.00	0.00	0.00	36.33	0.01	0.19	36.52
7	Vendor	8.04	169	8	10.2	0.00	0.16	0.05	0.00	0.00	0.00	16.18	0.01	0.68	16.87
7	Hauling	0	169	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7															
7	Architectural Coating	2031													
7	Total Haul Trips	0													
7	Worker	8.85	44	8	18.5	0.00	0.02	0.26	0.00	0.00	0.00	1.89	0.00	0.01	1.90
7	Vendor	0	44	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Hauling	0	44	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7															
7	Paving	2031													
7	Total Haul Trips	0													
7	Worker	17.5	42	8	18.5	0.01	0.03	0.52	0.00	0.00	0.00	3.57	0.00	0.02	3.59
7	Vendor	0	42	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Hauling	0	42	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7															
7	Demolition	2028													
7	Total Haul Trips	44													
7	Worker	7.5	20	8	18.5	0.00	0.02	0.26	0.00	0.00	0.00	0.77	0.00	0.00	0.78
7	Vendor	0	20	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Hauling	4	20	8	30.5	0.00	0.40	0.12	0.00	0.01	0.01	3.51	0.00	0.17	3.68
7															
7	Grading	2028													
7	Total Haul Trips	468													
7	Worker	7.5	22	8	18.5	0.00	0.02	0.26	0.00	0.00	0.00	0.85	0.00	0.00	0.85
7	Vendor	0	22	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Hauling	22	22	8	30.5	0.02	2.21	0.65	0.02	0.03	0.03	21.23	0.02	1.01	22.26
7															
7	Building Construction	2028													
7	Total Haul Trips	0													
7	Worker	50.4	176	8	18.5	0.03	0.12	1.75	0.01	0.00	0.00	45.64	0.01	0.26	45.92
7	Vendor	7.48	176	8	10.2	0.00	0.17	0.06	0.00	0.00	0.00	17.19	0.01	0.72	17.92
7	Hauling	0	176	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0															
5	Building Construction	2029													
5	Total Haul Trips	0													
5	Worker	50.4	80	8	18.5	0.02	0.11	1.65	0.01	0.00	0.00	20.32	0.01	0.11	20.44
5	Vendor	7.483	80	8	10.2	0.00	0.16	0.05	0.00	0.00	0.00	7.60	0.00	0.32	7.93
5	Hauling	0	80	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5															
5	Architectural Coating	2029													
5	Total Haul Trips	0													
5	Worker	10.1	22	8	18.5	0.00	0.02	0.33	0.00	0.00	0.00	1.12	0.00	0.01	1.13
5	Vendor	0	22	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Hauling	0	22	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5															
5	Paving	2029													
5	Total Haul Trips	0													
5	Worker	17.5	22	8	18.5	0.01	0.04	0.57	0.00	0.00	0.00	1.94	0.00	0.01	1.95
5	Vendor	0	22	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Hauling	0	22	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5															
5	Demolition	2033													
5	Total Haul Trips	174													
5	Worker	7.5	20	8	18.5	0.00	0.01	0.20	0.00	0.00	0.00	0.70	0.00	0.00	0.71
5	Vendor	0	20	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Hauling	10	20	8	30.5	0.01	0.83	0.23	0.01	0.01	0.01	7.72	0.01	0.37	8.10
5															
5	Grading	2033													
5	Total Haul Trips	1064													
5	Worker	10	20	8	18.5	0.00	0.01	0.27	0.00	0.00	0.00	0.94	0.00	0.00	0.94
5	Vendor	0	20	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Hauling	54	20	8	30.5	0.04	4.50	1.26	0.04	0.08	0.07	41.71	0.03	1.98	43.73
5															
5	Building Construction	2033													
5	Total Haul Trips	0													
5	Worker	18.102	70	8	18.5	0.01	0.03	0.49	0.00	0.00	0.00	5.95	0.00	0.03	5.98
5	Vendor	7.06409	70	8	10.2	0.00	0.13	0.04	0.00	0.00	0.00	5.49	0.00	0.23	5.72
5	Hauling	0	70	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0															
10	Building Construction	2034													
10	Total Haul Trips	0													
10	Worker	18.1	188	8	18.5	0.01	0.02	0.47	0.00	0.00	0.00	15.77	0.00	0.07	15.85
10	Vendor	7.06	188	8	10.2	0.00	0.12	0.03	0.00	0.00	0.00	14.21	0.01	0.61	14.82
10	Hauling	0	188	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10															
10	Architectural Coating	2034													
10	Total Haul Trips	0													
10	Worker	3.6204	22	8	18.5	0.00	0.00	0.09	0.00	0.00	0.00	0.37	0.00	0.00	0.37
10	Vendor	0	22	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Hauling	0	22	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10															
10	Paving	2034													
10	Total Haul Trips	0													
10	Worker	12.5	20	8	18.5	0.00	0.02	0.32	0.00	0.00	0.00	1.16	0.00	0.01	1.16
10	Vendor	0	20	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Hauling	0	20	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10															
10	Demolition	2033													
10	Total Haul Trips	68													
10	Worker	7.5	23	8	18.5	0.00	0.01	0.20	0.00	0.00	0.00	0.81	0.00	0.00	0.81
10	Vendor	0	23	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Hauling	4	23	8	30.5	0.00	0.33	0.09	0.00	0.01	0.01	3.55	0.00	0.17	3.72
10															
10	Grading	2033													
10	Total Haul Trips	526													
10	Worker	5	42	8	18.5	0.00	0.01	0.13	0.00	0.00	0.00	0.99	0.00	0.00	0.99
10	Vendor	0	42	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Hauling	14	42	8	30.5	0.01	1.17	0.33	0.01	0.02	0.02	22.71	0.02	1.08	23.81
10															
10	Building Construction	2033													
10	Total Haul Trips	0													
10	Worker	44.55	45	8	18.5	0.01	0.06	1.20	0.00	0.00	0.00	9.42	0.00	0.05	9.47
10	Vendor	7.99	45	8	10.2	0.00	0.14	0.04	0.00	0.00	0.00	3.99	0.00	0.17	4.16
10	Hauling	0	45	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0															

11	Building Construction	2034												
11	Total Haul Trips	0												
11	Worker	44.5	260	8	18.5	0.01	0.06	1.15	0.00	0.00	0.00	53.62	0.01	0.25	53.88
11	Vendor	7.99	260	8	10.2	0.00	0.13	0.04	0.00	0.00	0.00	22.24	0.01	0.95	23.20
11	Hauling	0	260	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11															
11	Building Construction	2035												
11	Total Haul Trips	0												
11	Worker	44.5	39	8	18.5	0.01	0.06	1.10	0.00	0.00	0.00	7.94	0.00	0.04	7.98
11	Vendor	7.99	39	8	10.2	0.00	0.13	0.04	0.00	0.00	0.00	3.22	0.00	0.14	3.36
11	Hauling	0	39	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11															
11	Architectural Coating	2035												
11	Total Haul Trips	0												
11	Worker	8.91	42	8	18.5	0.00	0.01	0.22	0.00	0.00	0.00	1.71	0.00	0.01	1.72
11	Vendor	0	42	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	Hauling	0	42	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11															
11	Paving	2035												
11	Total Haul Trips	0												
11	Worker	17.5	44	8	18.5	0.00	0.02	0.43	0.00	0.00	0.00	3.52	0.00	0.02	3.54
11	Vendor	0	44	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	Hauling	0	44	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11															
11	Demolition	2035												
11	Total Haul Trips	24												
11	Worker	7.5	19	8	18.5	0.00	0.01	0.19	0.00	0.00	0.00	0.65	0.00	0.00	0.66
11	Vendor	0	19	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	Hauling	2	19	8	30.5	0.00	0.16	0.04	0.00	0.00	0.00	1.40	0.00	0.07	1.47
11															
11	Grading	2035												
11	Total Haul Trips	650												
11	Worker	10	21	8	18.5	0.00	0.01	0.25	0.00	0.00	0.00	0.96	0.00	0.00	0.97
11	Vendor	0	21	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	Hauling	32	21	8	30.5	0.02	2.50	0.67	0.02	0.04	0.04	24.76	0.02	1.18	25.95
11															
11	Building Construction	2035												
11	Total Haul Trips	0												
11	Worker	83.1464	91	8	18.5	0.02	0.10	2.06	0.01	0.00	0.00	34.63	0.01	0.16	34.79
11	Vendor	14.04796	91	8	10.2	0.00	0.23	0.06	0.00	0.00	0.00	13.21	0.01	0.57	13.78
11	Hauling	0	91	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0															
12	Building Construction	2036												
12	Total Haul Trips	0												
12	Worker	83.1	166	8	18.5	0.02	0.10	1.99	0.01	0.00	0.00	62.48	0.01	0.28	62.77
12	Vendor	14	166	8	10.2	0.00	0.22	0.06	0.00	0.00	0.00	23.20	0.01	1.00	24.21
12	Hauling	0	166	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12															
12	Architectural Coating	2036												
12	Total Haul Trips	0												
12	Worker	16.6293	22	8	18.5	0.00	0.02	0.40	0.00	0.00	0.00	1.66	0.00	0.01	1.66
12	Vendor	0	22	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Hauling	0	22	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12															
12	Paving	2036												
12	Total Haul Trips	0												
12	Worker	12.5	21	8	18.5	0.00	0.01	0.30	0.00	0.00	0.00	1.19	0.00	0.01	1.19
12	Vendor	0	21	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Hauling	0	21	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12															
12	Demolition	2035												
12	Total Haul Trips	40												
12	Worker	7.5	19	8	18.5	0.00	0.01	0.19	0.00	0.00	0.00	0.65	0.00	0.00	0.66
12	Vendor	0	19	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Hauling	4	19	8	30.5	0.00	0.31	0.08	0.00	0.01	0.01	2.80	0.00	0.13	2.94
12															
12	Grading	2035												
12	Total Haul Trips	380												
12	Worker	7.5	21	8	18.5	0.00	0.01	0.19	0.00	0.00	0.00	0.72	0.00	0.00	0.72
12	Vendor	0	21	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Hauling	20	21	8	30.5	0.01	1.56	0.42	0.01	0.03	0.03	15.47	0.01	0.74	16.22
12															
12	Building Construction	2035												
12	Total Haul Trips	0												
12	Worker	39.6	91	8	18.5	0.01	0.05	0.98	0.00	0.00	0.00	16.49	0.00	0.08	16.57
12	Vendor	5.9	91	8	10.2	0.00	0.10	0.03	0.00	0.00	0.00	5.55	0.00	0.24	5.79
12	Hauling	0	91	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0															
13	Building Construction	2036												
13	Total Haul Trips	0												
13	Worker	39.6	166	8	18.5	0.01	0.05	0.95	0.00	0.00	0.00	29.77	0.01	0.13	29.91
13	Vendor	5.9	166	8	10.2	0.00	0.09	0.03	0.00	0.00	0.00	9.78	0.01	0.42	10.20
13	Hauling	0	166	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13															
13	Architectural Coating	2036												
13	Total Haul Trips	0												
13	Worker	7.92	22	8	18.5	0.00	0.01	0.19	0.00	0.00	0.00	0.79	0.00	0.00	0.79
13	Vendor	0	22	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Hauling	0	22	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13															
13	0	2034												
13	Total Haul Trips	0												
13	Worker	39.6	15	8	18.5	0.01	0.05	1.02	0.00	0.00	0.00	2.75	0.00	0.01	2.77
13	Vendor	5.88	15	8	10.2	0.00	0.10	0.03	0.00	0.00	0.00	0.94	0.00	0.04	0.98
13	Hauling	0	15	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13															
13	0	2034												
13	Total Haul Trips	0												
13	Worker	17.5	42	8	18.5	0.01	0.02	0.45	0.00	0.00	0.00	3.41	0.00	0.02	3.42
13	Vendor	0	42	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Hauling	0	42	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13															
13	0	2034												
13	Total Haul Trips	0												
13	Worker	7.92	44	8	18.5	0.00	0.01	0.20	0.00	0.00	0.00	1.61	0.00	0.01	1.62
13	Vendor	0	44	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Hauling	0	44	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13															

CMWC
Idling Emissions

			Idling Emissions Factor (grams/minute)						Idling Emissions Factor (grams/minute)		
			ROG_IDLEX	NOx_IDLEX	CO_IDLEX	SOx_IDLEX	PM10_IDLEX	PM2.5_IDLEX	CO2_IDLEX	CH4_IDLEX	N2O_IDLEX
2025	2025Hauling	Hauling	0.07706328	0.932006921	1.21003736	0.00167737	0.00051684	0.00049345	189.497114	0.03518105	0.03042777
2025	2025Vendor	Vendor	0.05727881	0.974143888	1.06263847	0.00173501	0.00117689	0.001125	192.567388	0.0316536	0.03004889
2025	2025Worker	Worker	0	0	0	0	0	0	0	0	0
2026	2026Hauling	Hauling	0.07649827	0.906502059	1.20504869	0.00163819	0.00049161	0.00046927	185.455078	0.03474182	0.02979533
2026	2026Vendor	Vendor	0.05627065	0.936325113	1.05673135	0.00170617	0.00100642	0.00096186	189.720847	0.03163905	0.02964218
2026	2026Worker	Worker	0	0	0	0	0	0	0	0	0
2027	2027Hauling	Hauling	0.07592279	0.881696127	1.19921987	0.00159973	0.00047074	0.00044926	181.442358	0.03427011	0.02916541
2027	2027Vendor	Vendor	0.05529965	0.899602458	1.04932075	0.00167506	0.00086494	0.00082645	186.589554	0.03155173	0.02918792
2027	2027Worker	Worker	0	0	0	0	0	0	0	0	0
2028	2028Hauling	Hauling	0.07529788	0.857767875	1.19214339	0.00156045	0.00045204	0.00043133	177.300744	0.03377364	0.02851321
2028	2028Vendor	Vendor	0.05432839	0.863093228	1.0395891	0.00163993	0.00074988	0.00071632	182.978932	0.03134729	0.02865517
2028	2028Worker	Worker	0	0	0	0	0	0	0	0	0
2029	2029Hauling	Hauling	0.07461794	0.835480721	1.18399992	0.00152188	0.00043143	0.00041158	173.194944	0.03323976	0.02786481
2029	2029Vendor	Vendor	0.05333308	0.827999465	1.02749811	0.0016013	0.00065239	0.00062302	178.951612	0.03104801	0.02805443
2029	2029Worker	Worker	0	0	0	0	0	0	0	0	0
2030	2030Hauling	Hauling	0.07391144	0.816007794	1.17493744	0.0014846	0.00041331	0.00039421	169.186161	0.03269373	0.0272299
2030	2030Vendor	Vendor	0.05232472	0.795299763	1.01321823	0.00155966	0.00057171	0.0005458	174.561724	0.03067462	0.02739395
2030	2030Worker	Worker	0	0	0	0	0	0	0	0	0
2031	2031Hauling	Hauling	0.0732853	0.799579641	1.1664382	0.00145061	0.00039768	0.00037924	165.457521	0.03205186	0.02663599
2031	2031Vendor	Vendor	0.05130878	0.763402339	0.99683404	0.00151522	0.00050437	0.00048136	169.805962	0.03011968	0.02667472
2031	2031Worker	Worker	0	0	0	0	0	0	0	0	0
2032	2032Hauling	Hauling	0.07269051	0.784224803	1.15794231	0.001419	0.00038569	0.00036775	161.957236	0.03138218	0.026077
2032	2032Vendor	Vendor	0.05035343	0.733644831	0.98003639	0.00147113	0.00045359	0.00043276	165.050377	0.02948493	0.02595182
2032	2032Worker	Worker	0	0	0	0	0	0	0	0	0
2033	2033Hauling	Hauling	0.07214121	0.770077111	1.1496247	0.0013903	0.00037574	0.00035822	158.717842	0.03063894	0.02555698
2033	2033Vendor	Vendor	0.04943461	0.70561675	0.96267691	0.00142723	0.00041163	0.00039261	160.277458	0.02877853	0.02522316
2033	2033Worker	Worker	0	0	0	0	0	0	0	0	0
2034	2034Hauling	Hauling	0.07165316	0.757161017	1.14197366	0.00136476	0.00036581	0.00034871	155.775692	0.02988506	0.02508209
2034	2034Vendor	Vendor	0.0485568	0.679246476	0.94491826	0.00138378	0.00037708	0.00035956	155.508987	0.02799944	0.0244922
2034	2034Worker	Worker	0	0	0	0	0	0	0	0	0
2035	2035Hauling	Hauling	0.07122388	0.745863417	1.13463085	0.00134243	0.00035858	0.00034179	153.123997	0.02910425	0.02465074
2035	2035Vendor	Vendor	0.04771673	0.654880381	0.92690967	0.00134149	0.00034839	0.00033211	150.828007	0.02719053	0.02377236
2035	2035Worker	Worker	0	0	0	0	0	0	0	0	0

Phase	Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	Idling minutes per Day	Regional Emissions (pounds/day)						Regional Emissions (MT/year)			
						ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O	CO2e
0															
0	Demolition	2025													
0	Total Haul Trips	870													
0	Worker	15	44	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	Vendor	0	44	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	Hauling	20	44	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0															
0	Site Prep	2025													
0	Total Haul Trips	66													
0	Worker	5	21	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	Vendor	0	21	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	Hauling	4	21	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0															

1	Demolition	2025												
1	Total Haul Trips	148												
1	Worker	7.5	21	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	Vendor	0	21	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	Hauling	8	21	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1															
1	Grading	2025													
1	Total Haul Trips	0													
1	Worker	10	44	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	Vendor	0	44	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	Hauling	0	44	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1															
1	Building Construction	2025													
1	Total Haul Trips	0													
1	Worker	70	88	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	Vendor	36	88	8	15	0.07	1.16	1.27	0.00	0.00	0.00	9.15	0.04	0.43	9.61
1	Hauling	0	88	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1															
1	Building Construction	2026													
1	Total Haul Trips	0													
1	Worker	70	19	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	Vendor	36	19	8	15	0.07	1.11	1.26	0.00	0.00	0.00	1.95	0.01	0.09	2.05
1	Hauling	0	19	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1															
1	Architectural Coating	2026													
1	Total Haul Trips	0													
1	Worker	14	19	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	Vendor	0	19	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	Hauling	0	19	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1															
1	Paving	2026													
1	Total Haul Trips	0													
1	Worker	15	22	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	Vendor	0	22	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	Hauling	0	22	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0															
4	Demolition	2028													
4	Total Haul Trips	134													
4	Worker	7.5	20	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Vendor	0	20	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Hauling	8	20	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4															
4	Building Construction	2029													
4	Total Haul Trips	0													
4	Worker	55.3	188	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Vendor	26.3	188	8	15	0.05	0.72	0.89	0.00	0.00	0.00	13.27	0.06	0.62	13.95
4	Hauling	0	188	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4															
4	Architectural Coating	2029													
4	Total Haul Trips	0													
4	Worker	11.1	42	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Vendor	0	42	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Hauling	0	42	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4															
4	Paving	2029													
4	Total Haul Trips	0													
4	Worker	12.5	31	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Vendor	0	31	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Hauling	0	31	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4															
4	Paving	2030													
4	Total Haul Trips	0													
4	Worker	12.5	13	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Vendor	0	13	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Hauling	0	13	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4															
4	Demolition	2026													
4	Total Haul Trips	44													
4	Worker	7.5	22	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Vendor	0	22	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Hauling	2	22	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4															
4	Grading	2026													
4	Total Haul Trips	552													
4	Worker	5	43	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Vendor	0	43	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Hauling	14	43	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0															

2	Building Construction	2026												
2	Total Haul Trips	0												
2	Worker	38.9	132	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Vendor	6.9911	132	8	15	0.01	0.22	0.24	0.00	0.00	0.00	2.63	0.01	0.12	2.76
2	Hauling	0	132	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2															
2	Building Construction	2027													
2	Total Haul Trips	0													
2	Worker	38.9	211	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Vendor	6.99	211	8	15	0.01	0.21	0.24	0.00	0.00	0.00	4.13	0.02	0.19	4.34
2	Hauling	0	211	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2															
2	Architectural Coating	2027													
2	Total Haul Trips	0													
2	Worker	7.78	43	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Vendor	0	43	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Hauling	0	43	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2															
2	Paving	2027													
2	Total Haul Trips	0													
2	Worker	17.5	7	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Vendor	0	7	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Hauling	0	7	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2															
2	Paving	2028													
2	Total Haul Trips	0													
2	Worker	17.5	35	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Vendor	0	35	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Hauling	0	35	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2															
2	Demolition	2026													
2	Total Haul Trips	16													
2	Worker	7.5	22	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Vendor	0	22	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Hauling	2	22	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2															
2	Grading	2026													
2	Total Haul Trips	552													
2	Worker	5	43	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Vendor	0	43	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Hauling	14	43	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0															
3	Building Construction	2026													
3	Total Haul Trips	0													
3	Worker	38.9	132	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Vendor	6.9911	132	8	15	0.01	0.22	0.24	0.00	0.00	0.00	2.63	0.01	0.12	2.76
3	Hauling	0	132	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3															
3	Building Construction	2027													
3	Total Haul Trips	0													
3	Worker	38.9	211	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Vendor	6.99	211	8	15	0.01	0.21	0.24	0.00	0.00	0.00	4.13	0.02	0.19	4.34
3	Hauling	0	211	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3															
3	Architectural Coating	2027													
3	Total Haul Trips	0													
3	Worker	7.78	43	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Vendor	0	43	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Hauling	0	43	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3															
3	Paving	2027													
3	Total Haul Trips	0													
3	Worker	17.5	7	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Vendor	0	7	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Hauling	0	7	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3															
3	Paving	2028													
3	Total Haul Trips	0													
3	Worker	17.5	35	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Vendor	0	35	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Hauling	0	35	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3															
3	Grading	2032													
3	Total Haul Trips	486													
3	Worker	10	22	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Vendor	0	22	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Hauling	24	22	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3															
3	Building Construction	2032													
3	Total Haul Trips	0													
3	Worker	51.8399	220	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Vendor	7.7	220	8	15	0.01	0.19	0.25	0.00	0.00	0.00	4.19	0.02	0.20	4.41
3	Hauling	0	220	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0															

9	Building Construction	2033												
9	Total Haul Trips	0												
9	Worker	51.8	36	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	Vendor	7.7	36	8	15	0.01	0.18	0.25	0.00	0.00	0.00	0.67	0.00	0.03	0.70
9	Hauling	0	36	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9															
9	Architectural Coating	2033													
9	Total Haul Trips	0													
9	Worker	10.4	22	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	Vendor	0	22	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	Hauling	0	22	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9															
9	Paving	2033													
9	Total Haul Trips	0													
9	Worker	12.5	22	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	Vendor	0	22	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	Hauling	0	22	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9															
9	Demolition	2032													
9	Total Haul Trips	140													
9	Worker	7.5	20	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	Vendor	0	20	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	Hauling	8	20	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9															
9	Grading	2032													
9	Total Haul Trips	656													
9	Worker	10	42	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	Vendor	0	42	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	Hauling	16	42	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9															
9	Building Construction	2032													
9	Total Haul Trips	0													
9	Worker	106.5	200	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	Vendor	41.6	200	8	15	0.07	1.01	1.35	0.00	0.00	0.00	20.60	0.09	0.97	21.66
9	Hauling	0	200	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0															
8	Building Construction	2033													
8	Total Haul Trips	0													
8	Worker	106.5	15	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Vendor	41.6	15	8	15	0.07	0.97	1.32	0.00	0.00	0.00	1.50	0.01	0.07	1.58
8	Hauling	0	15	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8															
8	Architectural Coating	2033													
8	Total Haul Trips	0													
8	Worker	21.3	43	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Vendor	0	43	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Hauling	0	43	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8															
8	Paving	2033													
8	Total Haul Trips	0													
8	Worker	12.5	22	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Vendor	0	22	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Hauling	0	22	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8															
8	Demolition	2030													
8	Total Haul Trips	74													
8	Worker	7.5	21	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Vendor	0	21	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Hauling	4	21	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8															
8	Grading	2030													
8	Total Haul Trips	670													
8	Worker	5	44	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Vendor	0	44	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Hauling	16	44	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8															
8	Building Construction	2030													
8	Total Haul Trips	0													
8	Worker	44.3	173	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Vendor	8.04225	173	8	15	0.01	0.21	0.27	0.00	0.00	0.00	3.64	0.02	0.17	3.83
8	Hauling	0	173	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0															
6	Building Construction	2031													
6	Total Haul Trips	0													
6	Worker	44.3	169	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Vendor	8.04	169	8	15	0.01	0.20	0.27	0.00	0.00	0.00	3.46	0.02	0.16	3.64
6	Hauling	0	169	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6															
6	Architectural Coating	2031													
6	Total Haul Trips	0													
6	Worker	8.85	44	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Vendor	0	44	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Hauling	0	44	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6															
6	Paving	2031													
6	Total Haul Trips	0													
6	Worker	17.5	42	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Vendor	0	42	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Hauling	0	42	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6															
6	Demolition	2030													
6	Total Haul Trips	74													
6	Worker	7.5	21	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Vendor	0	21	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Hauling	4	21	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6															
6	Grading	2030													
6	Total Haul Trips	670													
6	Worker	5	44	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Vendor	0	44	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Hauling	0	44	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6															
6	Building Construction	2030													
6	Total Haul Trips	0													
6	Worker	44.3	173	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Vendor	8.04	173	8	15	0.01	0.21	0.27	0.00	0.00	0.00	3.64	0.02	0.17	3.83
6	Hauling	0	173	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0															

7	Building Construction	2031												
7	Total Haul Trips	0												
7	Worker	44.3	169	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Vendor	8.04	169	8	15	0.01	0.20	0.27	0.00	0.00	0.00	3.46	0.02	0.16	3.64
7	Hauling	0	169	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7															
7	Architectural Coating	2031													
7	Total Haul Trips	0													
7	Worker	8.85	44	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Vendor	0	44	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Hauling	0	44	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7															
7	Paving	2031													
7	Total Haul Trips	0													
7	Worker	17.5	42	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Vendor	0	42	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Hauling	0	42	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7															
7	Demolition	2028													
7	Total Haul Trips	44													
7	Worker	7.5	20	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Vendor	0	20	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Hauling	4	20	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7															
7	Grading	2028													
7	Total Haul Trips	468													
7	Worker	7.5	22	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Vendor	0	22	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Hauling	22	22	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7															
7	Building Construction	2028													
7	Total Haul Trips	0													
7	Worker	50.4	176	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Vendor	7.48	176	8	15	0.01	0.21	0.26	0.00	0.00	0.00	3.61	0.02	0.17	3.80
7	Hauling	0	176	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0															
5	Building Construction	2029													
5	Total Haul Trips	0													
5	Worker	50.4	80	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Vendor	7.483	80	8	15	0.01	0.20	0.25	0.00	0.00	0.00	1.61	0.01	0.08	1.69
5	Hauling	0	80	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5															
5	Architectural Coating	2029													
5	Total Haul Trips	0													
5	Worker	10.1	22	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Vendor	0	22	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Hauling	0	22	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5															
5	Paving	2029													
5	Total Haul Trips	0													
5	Worker	17.5	22	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Vendor	0	22	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Hauling	0	22	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5															
5	Demolition	2033													
5	Total Haul Trips	174													
5	Worker	7.5	20	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Vendor	0	20	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Hauling	10	20	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5															
5	Grading	2033													
5	Total Haul Trips	1064													
5	Worker	10	20	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Vendor	0	20	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Hauling	54	20	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5															
5	Building Construction	2033													
5	Total Haul Trips	0													
5	Worker	18.102	70	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Vendor	7.06409	70	8	15	0.01	0.16	0.22	0.00	0.00	0.00	1.19	0.01	0.06	1.25
5	Hauling	0	70	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0															
10	Building Construction	2034													
10	Total Haul Trips	0													
10	Worker	18.1	188	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Vendor	7.06	188	8	15	0.01	0.16	0.22	0.00	0.00	0.00	3.10	0.01	0.15	3.26
10	Hauling	0	188	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10															
10	Architectural Coating	2034													
10	Total Haul Trips	0													
10	Worker	3.6204	22	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Vendor	0	22	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Hauling	0	22	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10															
10	Paving	2034													
10	Total Haul Trips	0													
10	Worker	12.5	20	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Vendor	0	20	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Hauling	0	20	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10															
10	Demolition	2033													
10	Total Haul Trips	68													
10	Worker	7.5	23	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Vendor	0	23	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Hauling	4	23	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10															
10	Grading	2033													
10	Total Haul Trips	526													
10	Worker	5	42	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Vendor	0	42	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Hauling	14	42	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10															
10	Building Construction	2033													
10	Total Haul Trips	0													
10	Worker	44.55	45	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Vendor	7.99	45	8	15	0.01	0.19	0.25	0.00	0.00	0.00	0.86	0.00	0.04	0.91
10	Hauling	0	45	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0															

11	Building Construction	2034													
11	Total Haul Trips	0													
11	Worker	44.5	260	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	Vendor	7.99	260	8	15	0.01	0.18	0.25	0.00	0.00	0.00	4.85	0.02	0.23	5.10
11	Hauling	0	260	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11															
11	Building Construction	2035													
11	Total Haul Trips	0													
11	Worker	44.5	39	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	Vendor	7.99	39	8	15	0.01	0.17	0.24	0.00	0.00	0.00	0.70	0.00	0.03	0.74
11	Hauling	0	39	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11															
11	Architectural Coating	2035													
11	Total Haul Trips	0													
11	Worker	8.91	42	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	Vendor	0	42	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	Hauling	0	42	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11															
11	Paving	2035													
11	Total Haul Trips	0													
11	Worker	17.5	44	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	Vendor	0	44	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	Hauling	0	44	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11															
11	Demolition	2035													
11	Total Haul Trips	24													
11	Worker	7.5	19	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	Vendor	0	19	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	Hauling	2	19	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11															
11	Grading	2035													
11	Total Haul Trips	650													
11	Worker	10	21	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	Vendor	0	21	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	Hauling	32	21	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11															
11	Building Construction	2035													
11	Total Haul Trips	0													
11	Worker	83.1464	91	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	Vendor	14.04796	91	8	15	0.02	0.30	0.43	0.00	0.00	0.00	2.89	0.01	0.14	3.04
11	Hauling	0	91	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0															
12	Building Construction	2036													
12	Total Haul Trips	0													
12	Worker	83.1	166	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Vendor	14	166	8	15	0.02	0.29	0.42	0.00	0.00	0.00	5.11	0.02	0.24	5.37
12	Hauling	0	166	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12															
12	Architectural Coating	2036													
12	Total Haul Trips	0													
12	Worker	16.6293	22	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Vendor	0	22	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Hauling	0	22	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12															
12	Paving	2036													
12	Total Haul Trips	0													
12	Worker	12.5	21	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Vendor	0	21	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Hauling	0	21	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12															
12	Demolition	2035													
12	Total Haul Trips	40													
12	Worker	7.5	19	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Vendor	0	19	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Hauling	4	19	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12															
12	Grading	2035													
12	Total Haul Trips	380													
12	Worker	7.5	21	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Vendor	0	21	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Hauling	20	21	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12															
12	Building Construction	2035													
12	Total Haul Trips	0													
12	Worker	39.6	91	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Vendor	5.9	91	8	15	0.01	0.13	0.18	0.00	0.00	0.00	1.21	0.01	0.06	1.28
12	Hauling	0	91	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0															
13	Building Construction	2036													
13	Total Haul Trips	0													
13	Worker	39.6	166	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Vendor	5.9	166	8	15	0.01	0.12	0.18	0.00	0.00	0.00	2.15	0.01	0.10	2.26
13	Hauling	0	166	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13															
13	Architectural Coating	2036													
13	Total Haul Trips	0													
13	Worker	7.92	22	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Vendor	0	22	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Hauling	0	22	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13															
13	0	2034													
13	Total Haul Trips	0													
13	Worker	39.6	15	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Vendor	5.88	15	8	15	0.01	0.13	0.18	0.00	0.00	0.00	0.21	0.00	0.01	0.22
13	Hauling	0	15	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13															
13	0	2034													
13	Total Haul Trips	0													
13	Worker	17.5	42	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Vendor	0	42	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Hauling	0	42	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13															
13	0	2034													
13	Total Haul Trips	0													
13	Worker	7.92	44	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Vendor	0	44	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Hauling	0	44	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13															

CMWC

Road Dust, Break Wear, and Tire wear Emissions

			Emission Factors (grams/mile)					
			PM10			PM2.5		
		RD	PM10_PMBW	PM10_PMTW	RD	PM2.5_PMBW	PM2.5_PMTW
2025	2025Hauling Hauling	0.29984991	0.084162962	0.03544313	0.07359952	0.02945704	0.00886078
2025	2025Vendor Vendor	0.29984991	0.063767774	0.02372157	0.07359952	0.02231872	0.00593039
2025	2025Worker Worker	0.29984991	0.009385513	0.008	0.07359952	0.00328493	0.002
2026	2026Hauling Hauling	0.29984991	0.084352575	0.03544711	0.07359952	0.0295234	0.00886178
2026	2026Vendor Vendor	0.29984991	0.063787152	0.02372356	0.07359952	0.0223255	0.00593089
2026	2026Worker Worker	0.29984991	0.009353635	0.008	0.07359952	0.00327377	0.002
2027	2027Hauling Hauling	0.29984991	0.084297987	0.03545106	0.07359952	0.0295043	0.00886277
2027	2027Vendor Vendor	0.29984991	0.063623189	0.02372553	0.07359952	0.02226812	0.00593138
2027	2027Worker Worker	0.29984991	0.009305649	0.008	0.07359952	0.00325698	0.002
2028	2028Hauling Hauling	0.29984991	0.084486989	0.03545475	0.07359952	0.02957045	0.00886369
2028	2028Vendor Vendor	0.29984991	0.063544145	0.02372738	0.07359952	0.02224045	0.00593184
2028	2028Worker Worker	0.29984991	0.009284129	0.008	0.07359952	0.00324945	0.002
2029	2029Hauling Hauling	0.29984991	0.084584422	0.03545835	0.07359952	0.02960455	0.00886459
2029	2029Vendor Vendor	0.29984991	0.063359545	0.02372918	0.07359952	0.02217584	0.00593229
2029	2029Worker Worker	0.29984991	0.00926272	0.008	0.07359952	0.00324195	0.002
2030	2030Hauling Hauling	0.29984991	0.08460378	0.03546191	0.07359952	0.02961132	0.00886548
2030	2030Vendor Vendor	0.29984991	0.063078834	0.02373095	0.07359952	0.02207759	0.00593274
2030	2030Worker Worker	0.29984991	0.00924132	0.008	0.07359952	0.00323446	0.002
2031	2031Hauling Hauling	0.29984991	0.084504548	0.03546578	0.07359952	0.02957659	0.00886644
2031	2031Vendor Vendor	0.29984991	0.062682863	0.02373289	0.07359952	0.021939	0.00593322
2031	2031Worker Worker	0.29984991	0.009221285	0.008	0.07359952	0.00322745	0.002
2032	2032Hauling Hauling	0.29984991	0.08433531	0.03546957	0.07359952	0.02951736	0.00886739
2032	2032Vendor Vendor	0.29984991	0.062241104	0.02373479	0.07359952	0.02178439	0.0059337
2032	2032Worker Worker	0.29984991	0.009204103	0.008	0.07359952	0.00322144	0.002
2033	2033Hauling Hauling	0.29984991	0.083967356	0.03547328	0.07359952	0.02938857	0.00886832
2033	2033Vendor Vendor	0.29984991	0.061679406	0.02373664	0.07359952	0.02158779	0.00593416
2033	2033Worker Worker	0.29984991	0.009198963	0.008	0.07359952	0.00321964	0.002
2034	2034Hauling Hauling	0.29984991	0.083808517	0.03547693	0.07359952	0.02933298	0.00886923
2034	2034Vendor Vendor	0.29984991	0.061223257	0.02373847	0.07359952	0.02142814	0.00593462
2034	2034Worker Worker	0.29984991	0.009183437	0.008	0.07359952	0.0032142	0.002
2035	2035Hauling Hauling	0.29984991	0.083639438	0.03548052	0.07359952	0.0292738	0.00887013
2035	2035Vendor Vendor	0.29984991	0.060759967	0.02374026	0.07359952	0.02126599	0.00593507
2035	2035Worker Worker	0.29984991	0.009169681	0.008	0.07359952	0.00320939	0.002

Phase	Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day) PM10 RD	PM10 BW	PM10 TW	PM2.5 RD	PM2.5 BW	PM2.5 TW
0	Demolition	2025									
0	Total Haul Trips	870									
0	Worker	15	44	8	18.5	0.18	0.01	0.00	0.05	0.00	0.00
0	Vendor	0	44	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
0	Hauling	20	44	8	30.5	0.40	0.11	0.05	0.10	0.04	0.01
0											
0	Site Prep	2025									
0	Total Haul Trips	66									
0	Worker	5	21	8	18.5	0.06	0.00	0.00	0.02	0.00	0.00
0	Vendor	0	21	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
0	Hauling	4	21	8	30.5	0.08	0.02	0.01	0.02	0.01	0.00
0											
1	Demolition	2025									
1	Total Haul Trips	148									
1	Worker	7.5	21	8	18.5	0.09	0.00	0.00	0.02	0.00	0.00
1	Vendor	0	21	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
1	Hauling	8	21	8	30.5	0.16	0.05	0.02	0.04	0.02	0.00
1											
1	Grading	2025									
1	Total Haul Trips	0									
1	Worker	10	44	8	18.5	0.12	0.00	0.00	0.03	0.00	0.00
1	Vendor	0	44	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
1	Hauling	0	44	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
1											
1	Building Construction	2025									
1	Total Haul Trips	0									
1	Worker	70	88	8	18.5	0.86	0.03	0.02	0.21	0.01	0.01
1	Vendor	36	88	8	10.2	0.24	0.05	0.02	0.06	0.02	0.00
1	Hauling	0	88	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
1											
1	Building Construction	2026									
1	Total Haul Trips	0									
1	Worker	70	19	8	18.5	0.86	0.03	0.02	0.21	0.01	0.01
1	Vendor	36	19	8	10.2	0.24	0.05	0.02	0.06	0.02	0.00
1	Hauling	0	19	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
1											
1	Architectural Coating	2026									
1	Total Haul Trips	0									
1	Worker	14	19	8	18.5	0.17	0.01	0.00	0.04	0.00	0.00
1	Vendor	0	19	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
1	Hauling	0	19	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
1											
1	Paving	2026									
1	Total Haul Trips	0									
1	Worker	15	22	8	18.5	0.18	0.01	0.00	0.05	0.00	0.00
1	Vendor	0	22	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
1	Hauling	0	22	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
0											

4	Demolition	2028									
4	Total Haul Trips	134									
4	Worker	7.5	20	8	18.5	0.09	0.00	0.00	0.02	0.00	0.00
4	Vendor	0	20	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
4	Hauling	8	20	8	30.5	0.16	0.05	0.02	0.04	0.02	0.00
4											
4	Building Construction	2029									
4	Total Haul Trips	0									
4	Worker	55.3	188	8	18.5	0.68	0.02	0.02	0.17	0.01	0.00
4	Vendor	26.3	188	8	10.2	0.18	0.04	0.01	0.04	0.01	0.00
4	Hauling	0	188	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
4											
4	Architectural Coating	2029									
4	Total Haul Trips	0									
4	Worker	11.1	42	8	18.5	0.14	0.00	0.00	0.03	0.00	0.00
4	Vendor	0	42	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
4	Hauling	0	42	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
4											
4	Paving	2029									
4	Total Haul Trips	0									
4	Worker	12.5	31	8	18.5	0.15	0.00	0.00	0.04	0.00	0.00
4	Vendor	0	31	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
4	Hauling	0	31	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
4											
4	Paving	2030									
4	Total Haul Trips	0									
4	Worker	12.5	13	8	18.5	0.15	0.00	0.00	0.04	0.00	0.00
4	Vendor	0	13	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
4	Hauling	0	13	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
4											
4	Demolition	2026									
4	Total Haul Trips	44									
4	Worker	7.5	22	8	18.5	0.09	0.00	0.00	0.02	0.00	0.00
4	Vendor	0	22	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
4	Hauling	2	22	8	30.5	0.04	0.01	0.00	0.01	0.00	0.00
4											
4	Grading	2026									
4	Total Haul Trips	552									
4	Worker	5	43	8	18.5	0.06	0.00	0.00	0.02	0.00	0.00
4	Vendor	0	43	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
4	Hauling	14	43	8	30.5	0.28	0.08	0.03	0.07	0.03	0.01
0											
2	Building Construction	2026									
2	Total Haul Trips	0									
2	Worker	38.9	132	8	18.5	0.48	0.01	0.01	0.12	0.01	0.00
2	Vendor	6.9911	132	8	10.2	0.05	0.01	0.00	0.01	0.00	0.00
2	Hauling	0	132	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
2											
2	Building Construction	2027									
2	Total Haul Trips	0									
2	Worker	38.9	211	8	18.5	0.48	0.01	0.01	0.12	0.01	0.00
2	Vendor	6.99	211	8	10.2	0.05	0.01	0.00	0.01	0.00	0.00
2	Hauling	0	211	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
2											
2	Architectural Coating	2027									
2	Total Haul Trips	0									
2	Worker	7.78	43	8	18.5	0.10	0.00	0.00	0.02	0.00	0.00
2	Vendor	0	43	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
2	Hauling	0	43	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
2											
2	Paving	2027									
2	Total Haul Trips	0									
2	Worker	17.5	7	8	18.5	0.21	0.01	0.01	0.05	0.00	0.00
2	Vendor	0	7	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
2	Hauling	0	7	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
2											
2	Paving	2028									
2	Total Haul Trips	0									
2	Worker	17.5	35	8	18.5	0.21	0.01	0.01	0.05	0.00	0.00
2	Vendor	0	35	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
2	Hauling	0	35	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
2											
2	Demolition	2026									
2	Total Haul Trips	16									
2	Worker	7.5	22	8	18.5	0.09	0.00	0.00	0.02	0.00	0.00
2	Vendor	0	22	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
2	Hauling	2	22	8	30.5	0.04	0.01	0.00	0.01	0.00	0.00
2											
2	Grading	2026									
2	Total Haul Trips	552									
2	Worker	5	43	8	18.5	0.06	0.00	0.00	0.02	0.00	0.00
2	Vendor	0	43	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
2	Hauling	14	43	8	30.5	0.28	0.08	0.03	0.07	0.03	0.01
0											

3	Building Construction	2026									
3	Total Haul Trips	0									
3	Worker	38.9	132	8	18.5	0.48	0.01	0.01	0.12	0.01	0.00
3	Vendor	6.9911	132	8	10.2	0.05	0.01	0.00	0.01	0.00	0.00
3	Hauling	0	132	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
3											
3	Building Construction	2027									
3	Total Haul Trips	0									
3	Worker	38.9	211	8	18.5	0.48	0.01	0.01	0.12	0.01	0.00
3	Vendor	6.99	211	8	10.2	0.05	0.01	0.00	0.01	0.00	0.00
3	Hauling	0	211	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
3											
3	Architectural Coating	2027									
3	Total Haul Trips	0									
3	Worker	7.78	43	8	18.5	0.10	0.00	0.00	0.02	0.00	0.00
3	Vendor	0	43	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
3	Hauling	0	43	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
3											
3	Paving	2027									
3	Total Haul Trips	0									
3	Worker	17.5	7	8	18.5	0.21	0.01	0.01	0.05	0.00	0.00
3	Vendor	0	7	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
3	Hauling	0	7	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
3											
3	Paving	2028									
3	Total Haul Trips	0									
3	Worker	17.5	35	8	18.5	0.21	0.01	0.01	0.05	0.00	0.00
3	Vendor	0	35	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
3	Hauling	0	35	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
3											
3	Grading	2032									
3	Total Haul Trips	486									
3	Worker	10	22	8	18.5	0.12	0.00	0.00	0.03	0.00	0.00
3	Vendor	0	22	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
3	Hauling	24	22	8	30.5	0.48	0.14	0.06	0.12	0.05	0.01
3											
3	Building Construction	2032									
3	Total Haul Trips	0									
3	Worker	51.8399	220	8	18.5	0.63	0.02	0.02	0.16	0.01	0.00
3	Vendor	7.7	220	8	10.2	0.05	0.01	0.00	0.01	0.00	0.00
3	Hauling	0	220	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
0											
9	Building Construction	2033									
9	Total Haul Trips	0									
9	Worker	51.8	36	8	18.5	0.63	0.02	0.02	0.16	0.01	0.00
9	Vendor	7.7	36	8	10.2	0.05	0.01	0.00	0.01	0.00	0.00
9	Hauling	0	36	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
9											
9	Architectural Coating	2033									
9	Total Haul Trips	0									
9	Worker	10.4	22	8	18.5	0.13	0.00	0.00	0.03	0.00	0.00
9	Vendor	0	22	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
9	Hauling	0	22	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
9											
9	Paving	2033									
9	Total Haul Trips	0									
9	Worker	12.5	22	8	18.5	0.15	0.00	0.00	0.04	0.00	0.00
9	Vendor	0	22	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
9	Hauling	0	22	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
9											
9	Demolition	2032									
9	Total Haul Trips	140									
9	Worker	7.5	20	8	18.5	0.09	0.00	0.00	0.02	0.00	0.00
9	Vendor	0	20	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
9	Hauling	8	20	8	30.5	0.16	0.05	0.02	0.04	0.02	0.00
9											
9	Grading	2032									
9	Total Haul Trips	656									
9	Worker	10	42	8	18.5	0.12	0.00	0.00	0.03	0.00	0.00
9	Vendor	0	42	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
9	Hauling	16	42	8	30.5	0.32	0.09	0.04	0.08	0.03	0.01
9											
9	Building Construction	2032									
9	Total Haul Trips	0									
9	Worker	106.5	200	8	18.5	1.30	0.04	0.03	0.32	0.01	0.01
9	Vendor	41.6	200	8	10.2	0.28	0.06	0.02	0.07	0.02	0.01
9	Hauling	0	200	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
0											

8	Building Construction	2033								
8	Total Haul Trips	0								
8	Worker	106.5	15	8	18.5	1.30	0.04	0.03	0.32	0.01	0.01
8	Vendor	41.6	15	8	10.2	0.28	0.06	0.02	0.07	0.02	0.01
8	Hauling	0	15	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
8											
8	Architectural Coating	2033								
8	Total Haul Trips	0								
8	Worker	21.3	43	8	18.5	0.26	0.01	0.01	0.06	0.00	0.00
8	Vendor	0	43	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
8	Hauling	0	43	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
8											
8	Paving	2033								
8	Total Haul Trips	0								
8	Worker	12.5	22	8	18.5	0.15	0.00	0.00	0.04	0.00	0.00
8	Vendor	0	22	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
8	Hauling	0	22	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
8											
8	Demolition	2030								
8	Total Haul Trips	74								
8	Worker	7.5	21	8	18.5	0.09	0.00	0.00	0.02	0.00	0.00
8	Vendor	0	21	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
8	Hauling	4	21	8	30.5	0.08	0.02	0.01	0.02	0.01	0.00
8											
8	Grading	2030								
8	Total Haul Trips	670								
8	Worker	5	44	8	18.5	0.06	0.00	0.00	0.02	0.00	0.00
8	Vendor	0	44	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
8	Hauling	16	44	8	30.5	0.32	0.09	0.04	0.08	0.03	0.01
8											
8	Building Construction	2030								
8	Total Haul Trips	0								
8	Worker	44.3	173	8	18.5	0.54	0.02	0.01	0.13	0.01	0.00
8	Vendor	8.04225	173	8	10.2	0.05	0.01	0.00	0.01	0.00	0.00
8	Hauling	0	173	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
0											
6	Building Construction	2031								
6	Total Haul Trips	0								
6	Worker	44.3	169	8	18.5	0.54	0.02	0.01	0.13	0.01	0.00
6	Vendor	8.04	169	8	10.2	0.05	0.01	0.00	0.01	0.00	0.00
6	Hauling	0	169	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
6											
6	Architectural Coating	2031								
6	Total Haul Trips	0								
6	Worker	8.85	44	8	18.5	0.11	0.00	0.00	0.03	0.00	0.00
6	Vendor	0	44	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
6	Hauling	0	44	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
6											
6	Paving	2031								
6	Total Haul Trips	0								
6	Worker	17.5	42	8	18.5	0.21	0.01	0.01	0.05	0.00	0.00
6	Vendor	0	42	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
6	Hauling	0	42	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
6											
6	Demolition	2030								
6	Total Haul Trips	74								
6	Worker	7.5	21	8	18.5	0.09	0.00	0.00	0.02	0.00	0.00
6	Vendor	0	21	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
6	Hauling	4	21	8	30.5	0.08	0.02	0.01	0.02	0.01	0.00
6											
6	Grading	2030								
6	Total Haul Trips	670								
6	Worker	5	44	8	18.5	0.06	0.00	0.00	0.02	0.00	0.00
6	Vendor	0	44	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
6	Hauling	0	44	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
6											
6	Building Construction	2030								
6	Total Haul Trips	0								
6	Worker	44.3	173	8	18.5	0.54	0.02	0.01	0.13	0.01	0.00
6	Vendor	8.04	173	8	10.2	0.05	0.01	0.00	0.01	0.00	0.00
6	Hauling	0	173	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
0											

7	Building Construction	2031								
7	Total Haul Trips	0								
7	Worker	44.3	169	8	18.5	0.54	0.02	0.01	0.13	0.01	0.00
7	Vendor	8.04	169	8	10.2	0.05	0.01	0.00	0.01	0.00	0.00
7	Hauling	0	169	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
7											
7	Architectural Coating	2031								
7	Total Haul Trips	0								
7	Worker	8.85	44	8	18.5	0.11	0.00	0.00	0.03	0.00	0.00
7	Vendor	0	44	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
7	Hauling	0	44	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
7											
7	Paving	2031								
7	Total Haul Trips	0								
7	Worker	17.5	42	8	18.5	0.21	0.01	0.01	0.05	0.00	0.00
7	Vendor	0	42	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
7	Hauling	0	42	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
7											
7	Demolition	2028								
7	Total Haul Trips	44								
7	Worker	7.5	20	8	18.5	0.09	0.00	0.00	0.02	0.00	0.00
7	Vendor	0	20	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
7	Hauling	4	20	8	30.5	0.08	0.02	0.01	0.02	0.01	0.00
7											
7	Grading	2028								
7	Total Haul Trips	468								
7	Worker	7.5	22	8	18.5	0.09	0.00	0.00	0.02	0.00	0.00
7	Vendor	0	22	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
7	Hauling	22	22	8	30.5	0.44	0.12	0.05	0.11	0.04	0.01
7											
7	Building Construction	2028								
7	Total Haul Trips	0								
7	Worker	50.4	176	8	18.5	0.62	0.02	0.02	0.15	0.01	0.00
7	Vendor	7.48	176	8	10.2	0.05	0.01	0.00	0.01	0.00	0.00
7	Hauling	0	176	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
0											
5	Building Construction	2029								
5	Total Haul Trips	0								
5	Worker	50.4	80	8	18.5	0.62	0.02	0.02	0.15	0.01	0.00
5	Vendor	7.483	80	8	10.2	0.05	0.01	0.00	0.01	0.00	0.00
5	Hauling	0	80	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
5											
5	Architectural Coating	2029								
5	Total Haul Trips	0								
5	Worker	10.1	22	8	18.5	0.12	0.00	0.00	0.03	0.00	0.00
5	Vendor	0	22	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
5	Hauling	0	22	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
5											
5	Paving	2029								
5	Total Haul Trips	0								
5	Worker	17.5	22	8	18.5	0.21	0.01	0.01	0.05	0.00	0.00
5	Vendor	0	22	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
5	Hauling	0	22	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
5											
5	Demolition	2033								
5	Total Haul Trips	174								
5	Worker	7.5	20	8	18.5	0.09	0.00	0.00	0.02	0.00	0.00
5	Vendor	0	20	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
5	Hauling	10	20	8	30.5	0.20	0.06	0.02	0.05	0.02	0.01
5											
5	Grading	2033								
5	Total Haul Trips	1064								
5	Worker	10	20	8	18.5	0.12	0.00	0.00	0.03	0.00	0.00
5	Vendor	0	20	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
5	Hauling	54	20	8	30.5	1.09	0.30	0.13	0.27	0.11	0.03
5											
5	Building Construction	2033								
5	Total Haul Trips	0								
5	Worker	18.102	70	8	18.5	0.22	0.01	0.01	0.05	0.00	0.00
5	Vendor	7.06409	70	8	10.2	0.05	0.01	0.00	0.01	0.00	0.00
5	Hauling	0	70	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
0											

10	Building Construction	2034									
10	Total Haul Trips	0									
10	Worker	18.1	188	8	18.5	0.22	0.01	0.01	0.05	0.00	0.00
10	Vendor	7.06	188	8	10.2	0.05	0.01	0.00	0.01	0.00	0.00
10	Hauling	0	188	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
10											
10	Architectural Coating	2034									
10	Total Haul Trips	0									
10	Worker	3.6204	22	8	18.5	0.04	0.00	0.00	0.01	0.00	0.00
10	Vendor	0	22	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
10	Hauling	0	22	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
10											
10	Paving	2034									
10	Total Haul Trips	0									
10	Worker	12.5	20	8	18.5	0.15	0.00	0.00	0.04	0.00	0.00
10	Vendor	0	20	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
10	Hauling	0	20	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
10											
10	Demolition	2033									
10	Total Haul Trips	68									
10	Worker	7.5	23	8	18.5	0.09	0.00	0.00	0.02	0.00	0.00
10	Vendor	0	23	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
10	Hauling	4	23	8	30.5	0.08	0.02	0.01	0.02	0.01	0.00
10											
10	Grading	2033									
10	Total Haul Trips	526									
10	Worker	5	42	8	18.5	0.06	0.00	0.00	0.02	0.00	0.00
10	Vendor	0	42	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
10	Hauling	14	42	8	30.5	0.28	0.08	0.03	0.07	0.03	0.01
10											
10	Building Construction	2033									
10	Total Haul Trips	0									
10	Worker	44.55	45	8	18.5	0.54	0.02	0.01	0.13	0.01	0.00
10	Vendor	7.99	45	8	10.2	0.05	0.01	0.00	0.01	0.00	0.00
10	Hauling	0	45	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
0											
11	Building Construction	2034									
11	Total Haul Trips	0									
11	Worker	44.5	260	8	18.5	0.54	0.02	0.01	0.13	0.01	0.00
11	Vendor	7.99	260	8	10.2	0.05	0.01	0.00	0.01	0.00	0.00
11	Hauling	0	260	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
11											
11	Building Construction	2035									
11	Total Haul Trips	0									
11	Worker	44.5	39	8	18.5	0.54	0.02	0.01	0.13	0.01	0.00
11	Vendor	7.99	39	8	10.2	0.05	0.01	0.00	0.01	0.00	0.00
11	Hauling	0	39	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
11											
11	Architectural Coating	2035									
11	Total Haul Trips	0									
11	Worker	8.91	42	8	18.5	0.11	0.00	0.00	0.03	0.00	0.00
11	Vendor	0	42	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
11	Hauling	0	42	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
11											
11	Paving	2035									
11	Total Haul Trips	0									
11	Worker	17.5	44	8	18.5	0.21	0.01	0.01	0.05	0.00	0.00
11	Vendor	0	44	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
11	Hauling	0	44	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
11											
11	Demolition	2035									
11	Total Haul Trips	24									
11	Worker	7.5	19	8	18.5	0.09	0.00	0.00	0.02	0.00	0.00
11	Vendor	0	19	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
11	Hauling	2	19	8	30.5	0.04	0.01	0.00	0.01	0.00	0.00
11											
11	Grading	2035									
11	Total Haul Trips	650									
11	Worker	10	21	8	18.5	0.12	0.00	0.00	0.03	0.00	0.00
11	Vendor	0	21	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
11	Hauling	32	21	8	30.5	0.65	0.18	0.08	0.16	0.06	0.02
11											
11	Building Construction	2035									
11	Total Haul Trips	0									
11	Worker	83.1464	91	8	18.5	1.02	0.03	0.03	0.25	0.01	0.01
11	Vendor	14.04796	91	8	10.2	0.09	0.02	0.01	0.02	0.01	0.00
11	Hauling	0	91	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
0											

12	Building Construction		2036								
12	Total Haul Trips		0								
12	Worker		83.1	166	8	18.5	1.02	0.03	0.03	0.25	0.01	0.01
12	Vendor		14	166	8	10.2	0.09	0.02	0.01	0.02	0.01	0.00
12	Hauling		0	166	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
12												
12	Architectural Coating		2036								
12	Total Haul Trips		0								
12	Worker		16.6293	22	8	18.5	0.20	0.01	0.01	0.05	0.00	0.00
12	Vendor		0	22	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
12	Hauling		0	22	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
12												
12	Paving		2036								
12	Total Haul Trips		0								
12	Worker		12.5	21	8	18.5	0.15	0.00	0.00	0.04	0.00	0.00
12	Vendor		0	21	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
12	Hauling		0	21	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
12												
12	Demolition		2035								
12	Total Haul Trips		40								
12	Worker		7.5	19	8	18.5	0.09	0.00	0.00	0.02	0.00	0.00
12	Vendor		0	19	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
12	Hauling		4	19	8	30.5	0.08	0.02	0.01	0.02	0.01	0.00
12												
12	Grading		2035								
12	Total Haul Trips		380								
12	Worker		7.5	21	8	18.5	0.09	0.00	0.00	0.02	0.00	0.00
12	Vendor		0	21	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
12	Hauling		20	21	8	30.5	0.40	0.11	0.05	0.10	0.04	0.01
12												
12	Building Construction		2035								
12	Total Haul Trips		0								
12	Worker		39.6	91	8	18.5	0.48	0.01	0.01	0.12	0.01	0.00
12	Vendor		5.9	91	8	10.2	0.04	0.01	0.00	0.01	0.00	0.00
12	Hauling		0	91	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
0												
13	Building Construction		2036								
13	Total Haul Trips		0								
13	Worker		39.6	166	8	18.5	0.48	0.01	0.01	0.12	0.01	0.00
13	Vendor		5.9	166	8	10.2	0.04	0.01	0.00	0.01	0.00	0.00
13	Hauling		0	166	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
13												
13	Architectural Coating		2036								
13	Total Haul Trips		0								
13	Worker		7.92	22	8	18.5	0.10	0.00	0.00	0.02	0.00	0.00
13	Vendor		0	22	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
13	Hauling		0	22	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
13												
13		0	2034									
13	Total Haul Trips		0									
13	Worker		39.6	15	8	18.5	0.48	0.01	0.01	0.12	0.01	0.00
13	Vendor		5.88	15	8	10.2	0.04	0.01	0.00	0.01	0.00	0.00
13	Hauling		0	15	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
13												
13		0	2034									
13	Total Haul Trips		0									
13	Worker		17.5	42	8	18.5	0.21	0.01	0.01	0.05	0.00	0.00
13	Vendor		0	42	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
13	Hauling		0	42	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
13												
13		0	2034									
13	Total Haul Trips		0									
13	Worker		7.92	44	8	18.5	0.10	0.00	0.00	0.02	0.00	0.00
13	Vendor		0	44	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
13	Hauling		0	44	8	30.5	0.00	0.00	0.00	0.00	0.00	0.00
13												

CMWC
Road Dust

Paved Road Dust Emission Factors (Assumes No Precipitation)

Formula: $EF_{Dust,P} = (k\ (sL)^{0.91} \times (W)^{1.02})$

Where:

$EF_{Dust,P}$ =	Paved Road Dust Emission Factor (having the same units as k)
k =	particle size multiplier
sL =	road surface silt loading (g/m^2)
W =	average fleet vehicle weight (tons) (CARB uses 2.4 tons as a fleet average vehicle weight factor)

	Emission Factor (grams per VMT)	
	PM10	PM2.5
k	0.9979	0.2449
sL	0.1	0.1
W	2.4	2.4
$EF_{Dust,P}$	3.00E-01	7.36E-02

Unpaved Road Dust Emission Factors (Assumes No Precipitation)

Formula: $EF_{Dust,U} = (k\ (\ s / 12)^{1} \times (Sp / 30)^{0.5} / (M / 0.5)^{0.2}) - C)$

Where:

$EF_{Dust,U}$ =	Unpaved Road Dust Emission Factor (having the same units as k)
k =	particle size multiplier
s =	surface material silt content (%)
Sp =	mean vehicle speed (mph)
M =	surface material moisture content (%)
C =	Emission Factor for 1980s vehicle fleet exhaust, brake wear, and tire wear

	Emission Factor (grams per VMT)	
	PM10	PM2.5
k	816.47	81.65
s	4.3%	4.3%
Sp	15	15
M	0.5%	0.5%
C	0.00047	0.00036
$EF_{Dust,U}$	5.20E+00	5.19E-01

Sources:

SCAQMD, CalEEMod, Version 2022.1.
CARB, *Entrained Dust from Paved Road Travel: Emission Estimation Methodology Background Document* , (1997).
USEPA, *AP-42* , Fifth Edition, Volume I, Chapter 13.2.1 - Paved Roads, (2011).
ESA, 2023.

CMWC P-0 (Demo) Con Mit Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

3. Construction Emissions Details

3.1. Demolition (2025) - Unmitigated

3.2. Demolition (2025) - Mitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	CMWC P-0 (Demo) Con Mit
Construction Start Date	6/1/2025
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.20
Precipitation (days)	17.8
Location	1667 E 118th St, Los Angeles, CA 90059, USA
County	Los Angeles-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4210
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.26

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Other Non-Asphalt Surfaces	6.89	Acre	6.89	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.08	2.49	24.7	21.9	0.05	0.94	2.06	3.01	0.87	0.40	1.27	—	5,728	5,728	0.26	0.36	5.66	5,848
Mit.	0.58	0.45	7.02	20.1	0.05	0.09	2.06	2.15	0.09	0.40	0.49	—	5,728	5,728	0.26	0.36	5.66	5,848
% Reduced	81%	82%	72%	8%	—	90%	—	28%	90%	—	62%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.37	0.30	3.00	2.62	0.01	0.11	0.25	0.36	0.10	0.05	0.15	—	690	690	0.03	0.04	0.29	704
Mit.	0.07	0.05	0.86	2.41	0.01	0.01	0.25	0.26	0.01	0.05	0.06	—	690	690	0.03	0.04	0.29	704
% Reduced	81%	82%	71%	8%	—	90%	—	28%	90%	—	62%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.07	0.05	0.55	0.48	< 0.005	0.02	0.05	0.07	0.02	0.01	0.03	—	114	114	0.01	0.01	0.05	116
Mit.	0.01	0.01	0.16	0.44	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	114	114	0.01	0.01	0.05	116
% Reduced	81%	82%	71%	8%	—	90%	—	28%	90%	—	62%	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	3.08	2.49	24.7	21.9	0.05	0.94	2.06	3.01	0.87	0.40	1.27	—	5,728	5,728	0.26	0.36	5.66	5,848
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.37	0.30	3.00	2.62	0.01	0.11	0.25	0.36	0.10	0.05	0.15	—	690	690	0.03	0.04	0.29	704
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.07	0.05	0.55	0.48	< 0.005	0.02	0.05	0.07	0.02	0.01	0.03	—	114	114	0.01	0.01	0.05	116

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.58	0.45	7.02	20.1	0.05	0.09	2.06	2.15	0.09	0.40	0.49	—	5,728	5,728	0.26	0.36	5.66	5,848
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.07	0.05	0.86	2.41	0.01	0.01	0.25	0.26	0.01	0.05	0.06	—	690	690	0.03	0.04	0.29	704
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.01	0.01	0.16	0.44	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	114	114	0.01	0.01	0.05	116

3. Construction Emissions Details

3.1. Demolition (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.86	2.40	22.2	19.9	0.03	0.92	—	0.92	0.84	—	0.84	—	3,425	3,425	0.14	0.03	—	3,437
Demolition	—	—	—	—	—	—	1.30	1.30	—	0.20	0.20	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	0.29	2.68	2.40	< 0.005	0.11	—	0.11	0.10	—	0.10	—	413	413	0.02	< 0.005	—	414
Demolition	—	—	—	—	—	—	0.16	0.16	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.06	0.05	0.49	0.44	< 0.005	0.02	—	0.02	0.02	—	0.02	—	68.4	68.4	< 0.005	< 0.005	—	68.6
Demolition	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.06	1.04	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	207	207	0.01	0.01	0.76	210
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.15	0.03	2.45	0.90	0.01	0.03	0.57	0.59	0.03	0.15	0.18	—	2,095	2,095	0.11	0.33	4.90	2,201
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	24.0	24.0	< 0.005	< 0.005	0.04	24.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.31	0.11	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	253	253	0.01	0.04	0.26	265
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.98	3.98	< 0.005	< 0.005	0.01	4.04
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	41.8	41.8	< 0.005	0.01	0.04	43.9

3.2. Demolition (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	0.36	4.51	18.2	0.03	0.06	—	0.06	0.06	—	0.06	—	3,425	3,425	0.14	0.03	—	3,437
Demolition	—	—	—	—	—	—	1.30	1.30	—	0.20	0.20	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.54	2.19	< 0.005	0.01	—	0.01	0.01	—	0.01	—	413	413	0.02	< 0.005	—	414
Demolition	—	—	—	—	—	—	0.16	0.16	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.10	0.40	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	68.4	68.4	< 0.005	< 0.005	—	68.6
Demolition	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.07	0.06	0.06	1.04	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	207	207	0.01	0.01	0.76	210
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.15	0.03	2.45	0.90	0.01	0.03	0.57	0.59	0.03	0.15	0.18	—	2,095	2,095	0.11	0.33	4.90	2,201
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	24.0	24.0	< 0.005	< 0.005	0.04	24.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.31	0.11	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	253	253	0.01	0.04	0.26	265
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.98	3.98	< 0.005	< 0.005	0.01	4.04
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	41.8	41.8	< 0.005	0.01	0.04	43.9

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	6/1/2025	7/31/2025	5.00	44.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Rubber Tired Dozers	Diesel	Tier 4 Final	2.00	8.00	367	0.40
Demolition	Excavators	Diesel	Tier 4 Final	3.00	8.00	36.0	0.38
Demolition	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.00	8.00	33.0	0.73

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	15.0	18.5	LDA,LDT1,LDT2

Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	20.0	30.5	HHDT
Demolition	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	15.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	20.0	30.5	HHDT
Demolition	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	4,180	—

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Other Non-Asphalt Surfaces	6.89	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	6.58	annual days of extreme heat
Extreme Precipitation	4.40	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	32.1
AQ-PM	84.1
AQ-DPM	81.1
Drinking Water	50.7
Lead Risk Housing	93.2
Pesticides	0.00
Toxic Releases	97.9
Traffic	88.7
Effect Indicators	—
CleanUp Sites	43.2
Groundwater	65.3
Haz Waste Facilities/Generators	92.3
Impaired Water Bodies	66.7
Solid Waste	39.0
Sensitive Population	—
Asthma	96.0

Cardio-vascular	97.1
Low Birth Weights	87.6
Socioeconomic Factor Indicators	—
Education	91.3
Housing	68.5
Linguistic	74.8
Poverty	92.6
Unemployment	94.3

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	6.865135378
Employed	7.583728988
Median HI	20.41575773
Education	—
Bachelor's or higher	18.24714487
High school enrollment	100
Preschool enrollment	23.40562043
Transportation	—
Auto Access	19.3763634
Active commuting	78.62184011
Social	—
2-parent households	6.262030027
Voting	28.26895932
Neighborhood	—
Alcohol availability	17.00243809

Park access	81.35506224
Retail density	48.58206082
Supermarket access	75.02887206
Tree canopy	58.18041832
Housing	—
Homeownership	27.34505325
Housing habitability	10.48376748
Low-inc homeowner severe housing cost burden	18.96573848
Low-inc renter severe housing cost burden	20.28743744
Uncrowded housing	13.93558322
Health Outcomes	—
Insured adults	15.88605158
Arthritis	0.0
Asthma ER Admissions	11.0
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	6.0
Cognitively Disabled	28.0
Physically Disabled	18.0
Heart Attack ER Admissions	25.5
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	96.4

Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	3.5
Elderly	97.2
English Speaking	31.4
Foreign-born	52.8
Outdoor Workers	74.3
Climate Change Adaptive Capacity	—
Impervious Surface Cover	32.8
Traffic Density	95.7
Traffic Access	87.4
Other Indices	—
Hardship	86.8
Other Decision Support	—
2016 Voting	9.5

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	99.0
Healthy Places Index Score for Project Location (b)	10.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes

Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	see construction assumptions
Construction: Trips and VMT	see construction assumptions

CMWC P-0 (Hydroseeding) Con Mit Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

3. Construction Emissions Details

3.1. Site Preparation (2025) - Unmitigated

3.2. Site Preparation (2025) - Mitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	CMWC P-0 (Hydroseeding) Con Mit
Construction Start Date	8/1/2025
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.20
Precipitation (days)	17.8
Location	1667 E 118th St, Los Angeles, CA 90059, USA
County	Los Angeles-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4210
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.26

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Other Non-Asphalt Surfaces	10.3	Acre	10.3	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.28	0.22	2.23	2.87	0.01	0.07	0.18	0.25	0.07	0.05	0.11	—	860	860	0.04	0.07	1.23	884
Mit.	0.18	0.14	1.28	2.99	0.01	0.04	0.18	0.22	0.03	0.05	0.08	—	860	860	0.04	0.07	1.23	884
% Reduced	36%	37%	43%	-4%	—	50%	—	15%	49%	—	29%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.02	0.01	0.13	0.16	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	—	49.3	49.3	< 0.005	< 0.005	0.03	50.6
Mit.	0.01	0.01	0.08	0.17	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	49.3	49.3	< 0.005	< 0.005	0.03	50.6
% Reduced	36%	37%	42%	-4%	—	50%	—	15%	49%	—	29%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	< 0.005	< 0.005	0.02	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.17	8.17	< 0.005	< 0.005	0.01	8.39
Mit.	< 0.005	< 0.005	0.01	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.17	8.17	< 0.005	< 0.005	0.01	8.39
% Reduced	36%	37%	42%	-4%	—	50%	—	15%	49%	—	29%	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.28	0.22	2.23	2.87	0.01	0.07	0.18	0.25	0.07	0.05	0.11	—	860	860	0.04	0.07	1.23	884
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.02	0.01	0.13	0.16	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	—	49.3	49.3	< 0.005	< 0.005	0.03	50.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	< 0.005	< 0.005	0.02	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.17	8.17	< 0.005	< 0.005	0.01	8.39

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.18	0.14	1.28	2.99	0.01	0.04	0.18	0.22	0.03	0.05	0.08	—	860	860	0.04	0.07	1.23	884
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.01	0.01	0.08	0.17	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	49.3	49.3	< 0.005	< 0.005	0.03	50.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	< 0.005	< 0.005	0.01	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.17	8.17	< 0.005	< 0.005	0.01	8.39

3. Construction Emissions Details

3.1. Site Preparation (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.19	1.72	2.34	< 0.005	0.07	—	0.07	0.06	—	0.06	—	372	372	0.02	< 0.005	—	373
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.10	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	21.4	21.4	< 0.005	< 0.005	—	21.5
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.54	3.54	< 0.005	< 0.005	—	3.56
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.35	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	69.1	69.1	< 0.005	< 0.005	0.25	70.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	0.01	0.49	0.18	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04	—	419	419	0.02	0.07	0.98	440
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.83	3.83	< 0.005	< 0.005	0.01	3.88
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	24.1	24.1	< 0.005	< 0.005	0.02	25.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.63	0.63	< 0.005	< 0.005	< 0.005	0.64
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.99	3.99	< 0.005	< 0.005	< 0.005	4.19

3.2. Site Preparation (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	0.76	2.46	< 0.005	0.03	—	0.03	0.03	—	0.03	—	372	372	0.02	< 0.005	—	373
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.04	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	21.4	21.4	< 0.005	< 0.005	—	21.5
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.54	3.54	< 0.005	< 0.005	—	3.56
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.35	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	69.1	69.1	< 0.005	< 0.005	0.25	70.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	0.01	0.49	0.18	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04	—	419	419	0.02	0.07	0.98	440
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.83	3.83	< 0.005	< 0.005	0.01	3.88
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	24.1	24.1	< 0.005	< 0.005	0.02	25.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.63	0.63	< 0.005	< 0.005	< 0.005	0.64
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.99	3.99	< 0.005	< 0.005	< 0.005	4.19

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Remove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	8/1/2025	8/30/2025	5.00	21.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Site Preparation	Pumps	Diesel	Average	1.00	8.00	11.0	0.74

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Site Preparation	Pumps	Diesel	Average	1.00	8.00	11.0	0.74

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix

Site Preparation	—	—	—	—
Site Preparation	Worker	5.00	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	4.00	30.5	HHDT
Site Preparation	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	5.00	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	4.00	30.5	HHDT
Site Preparation	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	490	—	0.00	0.00	—

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Other Non-Asphalt Surfaces	10.3	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	6.58	annual days of extreme heat
Extreme Precipitation	4.40	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A

Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	32.1
AQ-PM	84.1
AQ-DPM	81.1
Drinking Water	50.7
Lead Risk Housing	93.2
Pesticides	0.00
Toxic Releases	97.9
Traffic	88.7
Effect Indicators	—
CleanUp Sites	43.2
Groundwater	65.3
Haz Waste Facilities/Generators	92.3
Impaired Water Bodies	66.7
Solid Waste	39.0

Sensitive Population	—
Asthma	96.0
Cardio-vascular	97.1
Low Birth Weights	87.6
Socioeconomic Factor Indicators	—
Education	91.3
Housing	68.5
Linguistic	74.8
Poverty	92.6
Unemployment	94.3

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	6.865135378
Employed	7.583728988
Median HI	20.41575773
Education	—
Bachelor's or higher	18.24714487
High school enrollment	100
Preschool enrollment	23.40562043
Transportation	—
Auto Access	19.3763634
Active commuting	78.62184011
Social	—
2-parent households	6.262030027
Voting	28.26895932

Neighborhood	—
Alcohol availability	17.00243809
Park access	81.35506224
Retail density	48.58206082
Supermarket access	75.02887206
Tree canopy	58.18041832
Housing	—
Homeownership	27.34505325
Housing habitability	10.48376748
Low-inc homeowner severe housing cost burden	18.96573848
Low-inc renter severe housing cost burden	20.28743744
Uncrowded housing	13.93558322
Health Outcomes	—
Insured adults	15.88605158
Arthritis	0.0
Asthma ER Admissions	11.0
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	6.0
Cognitively Disabled	28.0
Physically Disabled	18.0
Heart Attack ER Admissions	25.5
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0

Obesity	0.0
Pedestrian Injuries	96.4
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	3.5
Elderly	97.2
English Speaking	31.4
Foreign-born	52.8
Outdoor Workers	74.3
Climate Change Adaptive Capacity	—
Impervious Surface Cover	32.8
Traffic Density	95.7
Traffic Access	87.4
Other Indices	—
Hardship	86.8
Other Decision Support	—
2016 Voting	9.5

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	99.0

Healthy Places Index Score for Project Location (b)	10.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	see construction assumptions
Construction: Trips and VMT	see construction assumptions
Construction: Off-Road Equipment	see assumptions sheet

CMWC P-1 Con Mit Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

3. Construction Emissions Details

3.1. Demolition (2025) - Unmitigated

3.2. Demolition (2025) - Mitigated

3.3. Grading (2025) - Unmitigated

3.4. Grading (2025) - Mitigated

3.5. Building Construction (2025) - Unmitigated

3.6. Building Construction (2025) - Mitigated

3.7. Building Construction (2026) - Unmitigated

3.8. Building Construction (2026) - Mitigated

3.9. Paving (2026) - Unmitigated

3.10. Paving (2026) - Mitigated

3.11. Architectural Coating (2026) - Unmitigated

3.12. Architectural Coating (2026) - Mitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	CMWC P-1 Con Mit
Construction Start Date	6/1/2025
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.20
Precipitation (days)	17.8
Location	1667 E 118th St, Los Angeles, CA 90059, USA
County	Los Angeles-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4210
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.26

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
City Park	2.50	Acre	2.50	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.90	1.57	14.1	17.4	0.03	0.64	2.89	3.54	0.59	1.37	1.96	—	4,311	4,311	0.18	0.21	6.67	4,385
Mit.	0.77	0.67	6.13	18.8	0.03	0.09	2.89	2.94	0.08	1.37	1.41	—	4,311	4,311	0.18	0.21	6.67	4,385
% Reduced	59%	57%	57%	-8%	—	86%	—	17%	87%	—	28%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	10.8	10.8	12.3	16.6	0.03	0.42	1.22	1.64	0.38	0.30	0.68	—	4,261	4,261	0.18	0.21	0.17	4,329
Mit.	10.7	10.7	6.22	18.1	0.03	0.09	1.22	1.31	0.08	0.30	0.38	—	4,261	4,261	0.18	0.21	0.17	4,329
% Reduced	1%	1%	49%	-9%	—	79%	—	20%	80%	—	45%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.77	0.68	5.38	6.57	0.01	0.21	0.70	0.91	0.19	0.25	0.44	—	1,508	1,508	0.06	0.06	0.78	1,528
Mit.	0.61	0.60	1.77	6.85	0.01	0.03	0.70	0.73	0.03	0.25	0.27	—	1,508	1,508	0.06	0.06	0.78	1,528
% Reduced	20%	12%	67%	-4%	—	86%	—	20%	86%	—	37%	—	—	—	—	—	—	—

Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.14	0.12	0.98	1.20	< 0.005	0.04	0.13	0.17	0.03	0.05	0.08	—	250	250	0.01	0.01	0.13	253
Mit.	0.11	0.11	0.32	1.25	< 0.005	0.01	0.13	0.13	< 0.005	0.05	0.05	—	250	250	0.01	0.01	0.13	253
% Reduced	20%	12%	67%	-4%	—	86%	—	20%	86%	—	37%	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.90	1.57	14.1	17.4	0.03	0.64	2.89	3.54	0.59	1.37	1.96	—	4,311	4,311	0.18	0.21	6.67	4,385
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.90	1.57	12.3	16.6	0.03	0.42	1.22	1.64	0.38	0.30	0.68	—	4,261	4,261	0.18	0.21	0.17	4,329
2026	10.8	10.8	11.7	16.2	0.03	0.38	1.22	1.60	0.34	0.30	0.64	—	4,223	4,223	0.18	0.21	0.16	4,291
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.77	0.63	5.38	6.57	0.01	0.21	0.70	0.91	0.19	0.25	0.44	—	1,508	1,508	0.06	0.06	0.78	1,528
2026	0.71	0.68	1.03	1.51	< 0.005	0.04	0.09	0.12	0.03	0.02	0.05	—	327	327	0.01	0.01	0.17	331
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.14	0.12	0.98	1.20	< 0.005	0.04	0.13	0.17	0.03	0.05	0.08	—	250	250	0.01	0.01	0.13	253
2026	0.13	0.12	0.19	0.28	< 0.005	0.01	0.02	0.02	0.01	< 0.005	0.01	—	54.1	54.1	< 0.005	< 0.005	0.03	54.8

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.77	0.67	6.13	18.8	0.03	0.09	2.89	2.94	0.08	1.37	1.41	—	4,311	4,311	0.18	0.21	6.67	4,385
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.77	0.67	6.22	18.1	0.03	0.09	1.22	1.31	0.08	0.30	0.38	—	4,261	4,261	0.18	0.21	0.17	4,329
2026	10.7	10.7	6.13	17.8	0.03	0.09	1.22	1.31	0.08	0.30	0.38	—	4,223	4,223	0.18	0.21	0.16	4,291
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.23	0.21	1.77	6.85	0.01	0.03	0.70	0.73	0.03	0.25	0.27	—	1,508	1,508	0.06	0.06	0.78	1,528
2026	0.61	0.60	0.50	1.61	< 0.005	0.01	0.09	0.09	0.01	0.02	0.03	—	327	327	0.01	0.01	0.17	331
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.04	0.04	0.32	1.25	< 0.005	0.01	0.13	0.13	< 0.005	0.05	0.05	—	250	250	0.01	0.01	0.13	253
2026	0.11	0.11	0.09	0.29	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	54.1	54.1	< 0.005	< 0.005	0.03	54.8

3. Construction Emissions Details

3.1. Demolition (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.40	1.18	11.3	11.3	0.02	0.48	—	0.48	0.44	—	0.44	—	1,959	1,959	0.08	0.02	—	1,965
Demolition	—	—	—	—	—	—	0.76	0.76	—	0.12	0.12	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.65	0.65	< 0.005	0.03	—	0.03	0.03	—	0.03	—	113	113	< 0.005	< 0.005	—	113
Demolition	—	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.12	0.12	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	18.7	18.7	< 0.005	< 0.005	—	18.7
Demolition	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.52	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	104	104	< 0.005	< 0.005	0.38	105
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.06	0.01	0.98	0.36	0.01	0.01	0.23	0.24	0.01	0.06	0.07	—	838	838	0.04	0.13	1.96	880
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.74	5.74	< 0.005	< 0.005	0.01	5.82
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	48.2	48.2	< 0.005	0.01	0.05	50.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.95	0.95	< 0.005	< 0.005	< 0.005	0.96
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.98	7.98	< 0.005	< 0.005	0.01	8.37

3.2. Demolition (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.18	0.96	10.8	0.02	0.04	—	0.04	0.04	—	0.04	—	1,959	1,959	0.08	0.02	—	1,965
Demolition	—	—	—	—	—	—	0.76	0.76	—	0.12	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	0.01	0.06	0.62	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	113	113	< 0.005	< 0.005	—	113
Demolition	—	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	18.7	18.7	< 0.005	< 0.005	—	18.7
Demolition	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.52	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	104	104	< 0.005	< 0.005	0.38	105
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.06	0.01	0.98	0.36	0.01	0.01	0.23	0.24	0.01	0.06	0.07	—	838	838	0.04	0.13	1.96	880
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.74	5.74	< 0.005	< 0.005	0.01	5.82
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	48.2	48.2	< 0.005	0.01	0.05	50.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.95	0.95	< 0.005	< 0.005	< 0.005	0.96

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.98	7.98	< 0.005	< 0.005	0.01	8.37

3.3. Grading (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.80	1.51	14.1	14.5	0.02	0.64	—	0.64	0.59	—	0.59	—	2,455	2,455	0.10	0.02	—	2,463
Dust From Material Movement	—	—	—	—	—	—	2.76	2.76	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.18	1.70	1.75	< 0.005	0.08	—	0.08	0.07	—	0.07	—	296	296	0.01	< 0.005	—	297
Dust From Material Movement	—	—	—	—	—	—	0.33	0.33	—	0.16	0.16	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.31	0.32	< 0.005	0.01	—	0.01	0.01	—	0.01	—	49.0	49.0	< 0.005	< 0.005	—	49.2
Dust From Material Movement	—	—	—	—	—	—	0.06	0.06	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.04	0.70	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	138	138	0.01	< 0.005	0.51	140
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	16.0	16.0	< 0.005	< 0.005	0.03	16.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.65	2.65	< 0.005	< 0.005	< 0.005	2.69
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.4. Grading (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.23	1.20	14.2	0.02	0.05	—	0.05	0.05	—	0.05	—	2,455	2,455	0.10	0.02	—	2,463
Dust From Material Movement	—	—	—	—	—	—	2.76	2.76	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.14	1.72	< 0.005	0.01	—	0.01	0.01	—	0.01	—	296	296	0.01	< 0.005	—	297
Dust From Material Movement	—	—	—	—	—	—	0.33	0.33	—	0.16	0.16	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.03	0.31	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	49.0	49.0	< 0.005	< 0.005	—	49.2

Dust From Material Movement	—	—	—	—	—	—	0.06	0.06	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.04	0.70	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	138	138	0.01	< 0.005	0.51	140
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	16.0	16.0	< 0.005	< 0.005	0.03	16.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.65	2.65	< 0.005	< 0.005	< 0.005	2.69
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Building Construction (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.49	1.24	10.6	11.9	0.02	0.40	—	0.40	0.37	—	0.37	—	2,201	2,201	0.09	0.02	—	2,209
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.49	1.24	10.6	11.9	0.02	0.40	—	0.40	0.37	—	0.37	—	2,201	2,201	0.09	0.02	—	2,209
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	0.30	2.55	2.85	0.01	0.10	—	0.10	0.09	—	0.09	—	530	530	0.02	< 0.005	—	532
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.05	0.47	0.52	< 0.005	0.02	—	0.02	0.02	—	0.02	—	87.7	87.7	< 0.005	< 0.005	—	88.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.33	0.30	0.30	4.87	0.00	0.00	0.91	0.91	0.00	0.21	0.21	—	968	968	0.04	0.03	3.54	982
Vendor	0.08	0.03	1.30	0.63	0.01	0.02	0.31	0.32	0.01	0.09	0.09	—	1,142	1,142	0.05	0.16	3.13	1,194
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33	0.30	0.34	4.13	0.00	0.00	0.91	0.91	0.00	0.21	0.21	—	917	917	0.04	0.03	0.09	929
Vendor	0.08	0.03	1.35	0.64	0.01	0.02	0.31	0.32	0.01	0.09	0.09	—	1,143	1,143	0.05	0.16	0.08	1,192
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.09	1.04	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	224	224	0.01	0.01	0.37	227
Vendor	0.02	0.01	0.33	0.15	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	275	275	0.01	0.04	0.33	287
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.02	0.19	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	37.1	37.1	< 0.005	< 0.005	0.06	37.6
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	45.5	45.5	< 0.005	0.01	0.05	47.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Building Construction (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	0.34	4.53	13.3	0.02	0.07	—	0.07	0.07	—	0.07	—	2,201	2,201	0.09	0.02	—	2,209

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	0.34	4.53	13.3	0.02	0.07	—	0.07	0.07	—	0.07	—	2,201	2,201	0.09	0.02	—	2,209
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	1.09	3.20	0.01	0.02	—	0.02	0.02	—	0.02	—	530	530	0.02	< 0.005	—	532
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.20	0.58	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	87.7	87.7	< 0.005	< 0.005	—	88.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33	0.30	0.30	4.87	0.00	0.00	0.91	0.91	0.00	0.21	0.21	—	968	968	0.04	0.03	3.54	982
Vendor	0.08	0.03	1.30	0.63	0.01	0.02	0.31	0.32	0.01	0.09	0.09	—	1,142	1,142	0.05	0.16	3.13	1,194
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.33	0.30	0.34	4.13	0.00	0.00	0.91	0.91	0.00	0.21	0.21	—	917	917	0.04	0.03	0.09	929
Vendor	0.08	0.03	1.35	0.64	0.01	0.02	0.31	0.32	0.01	0.09	0.09	—	1,143	1,143	0.05	0.16	0.08	1,192
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.09	1.04	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	224	224	0.01	0.01	0.37	227
Vendor	0.02	0.01	0.33	0.15	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	275	275	0.01	0.04	0.33	287
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.02	0.19	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	37.1	37.1	< 0.005	< 0.005	0.06	37.6
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	45.5	45.5	< 0.005	0.01	0.05	47.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.41	1.18	10.1	11.8	0.02	0.36	—	0.36	0.33	—	0.33	—	2,201	2,201	0.09	0.02	—	2,208
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.07	0.06	0.53	0.62	< 0.005	0.02	—	0.02	0.02	—	0.02	—	116	116	< 0.005	< 0.005	—	117
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.10	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	19.3	19.3	< 0.005	< 0.005	—	19.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.29	0.26	0.30	3.86	0.00	0.00	0.91	0.91	0.00	0.21	0.21	—	899	899	0.04	0.03	0.08	910
Vendor	0.08	0.03	1.29	0.61	0.01	0.02	0.31	0.32	0.01	0.09	0.09	—	1,123	1,123	0.05	0.16	0.08	1,172
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.02	0.21	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	48.2	48.2	< 0.005	< 0.005	0.07	48.9
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	59.3	59.3	< 0.005	0.01	0.07	62.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.98	7.98	< 0.005	< 0.005	0.01	8.09
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.82	9.82	< 0.005	< 0.005	0.01	10.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	0.34	4.53	13.3	0.02	0.07	—	0.07	0.07	—	0.07	—	2,201	2,201	0.09	0.02	—	2,208
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.24	0.70	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	116	116	< 0.005	< 0.005	—	117
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.04	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	19.3	19.3	< 0.005	< 0.005	—	19.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.29	0.26	0.30	3.86	0.00	0.00	0.91	0.91	0.00	0.21	0.21	—	899	899	0.04	0.03	0.08	910
Vendor	0.08	0.03	1.29	0.61	0.01	0.02	0.31	0.32	0.01	0.09	0.09	—	1,123	1,123	0.05	0.16	0.08	1,172
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.02	0.21	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	48.2	48.2	< 0.005	< 0.005	0.07	48.9
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	59.3	59.3	< 0.005	0.01	0.07	62.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.98	7.98	< 0.005	< 0.005	0.01	8.09
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.82	9.82	< 0.005	< 0.005	0.01	10.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.79	0.67	5.88	8.19	0.01	0.25	—	0.25	0.23	—	0.23	—	1,244	1,244	0.05	0.01	—	1,248
Paving	0.03	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.35	0.49	< 0.005	0.01	—	0.01	0.01	—	0.01	—	75.0	75.0	< 0.005	< 0.005	—	75.2
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.4	12.4	< 0.005	< 0.005	—	12.5
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.07	0.83	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	193	193	0.01	0.01	0.02	195
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.8	11.8	< 0.005	< 0.005	0.02	11.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.95	1.95	< 0.005	< 0.005	< 0.005	1.98
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Paving (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	0.18	2.19	8.64	0.01	0.04	—	0.04	0.04	—	0.04	—	1,244	1,244	0.05	0.01	—	1,248
Paving	0.03	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.13	0.52	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	75.0	75.0	< 0.005	< 0.005	—	75.2
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	< 0.005	< 0.005	0.02	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.4	12.4	< 0.005	< 0.005	—	12.5
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.07	0.83	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	193	193	0.01	0.01	0.02	195
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.8	11.8	< 0.005	< 0.005	0.02	11.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.95	1.95	< 0.005	< 0.005	< 0.005	1.98
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Architectural Coating (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	0.86	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.95	6.95	< 0.005	< 0.005	—	6.97
Architectural Coatings	0.55	0.55	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.15	1.15	< 0.005	< 0.005	—	1.15
Architectural Coatings	0.10	0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.06	0.77	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	180	180	0.01	0.01	0.02	182
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.50	9.50	< 0.005	< 0.005	0.01	9.63
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.57	1.57	< 0.005	< 0.005	< 0.005	1.59
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Architectural Coating (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.95	6.95	< 0.005	< 0.005	—	6.97
Architectural Coatings	0.55	0.55	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.15	1.15	< 0.005	< 0.005	—	1.15
Architectural Coatings	0.10	0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.06	0.77	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	180	180	0.01	0.01	0.02	182
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.50	9.50	< 0.005	< 0.005	0.01	9.63
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.57	1.57	< 0.005	< 0.005	< 0.005	1.59
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	6/1/2025	6/30/2025	5.00	21.0	—
Grading	Grading	7/1/2025	8/30/2025	5.00	44.0	—
Building Construction	Building Construction	8/31/2025	1/27/2026	5.00	107	—
Paving	Paving	2/24/2026	3/25/2026	5.00	22.0	—
Architectural Coating	Architectural Coating	1/28/2026	2/23/2026	5.00	19.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	7.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	1.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Average	2.00	7.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	6.00	84.0	0.37
Building Construction	Welders	Diesel	Average	3.00	8.00	46.0	0.45
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37

Paving	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Paving	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Demolition	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Grading	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	7.00	84.0	0.37
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	2.00	7.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	6.00	84.0	0.37
Building Construction	Welders	Diesel	Tier 4 Final	3.00	8.00	46.0	0.45
Paving	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Paving	Pavers	Diesel	Tier 4 Final	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	1.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
Paving	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Architectural Coating	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Grading	—	—	—	—
Grading	Worker	10.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	0.00	30.5	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	70.0	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	36.0	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	14.0	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Demolition	—	—	—	—
Demolition	Worker	7.50	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	8.00	30.5	HHDT

Demolition	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Grading	—	—	—	—
Grading	Worker	10.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	0.00	30.5	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	70.0	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	36.0	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	14.0	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Demolition	—	—	—	—
Demolition	Worker	7.50	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	8.00	30.5	HHDT

Demolition	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	32,580	10,860	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	1,170	—
Grading	—	4,030	44.0	0.00	—
Paving	0.00	0.00	0.00	0.00	0.25

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
City Park	0.25	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	532	0.03	< 0.005
2026	0.00	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	6.58	annual days of extreme heat
Extreme Precipitation	4.40	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A

Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	32.1
AQ-PM	84.1
AQ-DPM	81.1
Drinking Water	50.7
Lead Risk Housing	93.2
Pesticides	0.00
Toxic Releases	97.9
Traffic	88.7
Effect Indicators	—
CleanUp Sites	43.2
Groundwater	65.3
Haz Waste Facilities/Generators	92.3
Impaired Water Bodies	66.7
Solid Waste	39.0
Sensitive Population	—
Asthma	96.0
Cardio-vascular	97.1
Low Birth Weights	87.6
Socioeconomic Factor Indicators	—
Education	91.3
Housing	68.5
Linguistic	74.8
Poverty	92.6
Unemployment	94.3

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	6.865135378
Employed	7.583728988
Median HI	20.41575773
Education	—
Bachelor's or higher	18.24714487
High school enrollment	100
Preschool enrollment	23.40562043
Transportation	—
Auto Access	19.3763634
Active commuting	78.62184011
Social	—
2-parent households	6.262030027
Voting	28.26895932
Neighborhood	—
Alcohol availability	17.00243809
Park access	81.35506224
Retail density	48.58206082
Supermarket access	75.02887206
Tree canopy	58.18041832
Housing	—
Homeownership	27.34505325
Housing habitability	10.48376748
Low-inc homeowner severe housing cost burden	18.96573848
Low-inc renter severe housing cost burden	20.28743744

Uncrowded housing	13.93558322
Health Outcomes	—
Insured adults	15.88605158
Arthritis	0.0
Asthma ER Admissions	11.0
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	6.0
Cognitively Disabled	28.0
Physically Disabled	18.0
Heart Attack ER Admissions	25.5
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	96.4
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0

Children	3.5
Elderly	97.2
English Speaking	31.4
Foreign-born	52.8
Outdoor Workers	74.3
Climate Change Adaptive Capacity	—
Impervious Surface Cover	32.8
Traffic Density	95.7
Traffic Access	87.4
Other Indices	—
Hardship	86.8
Other Decision Support	—
2016 Voting	9.5

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	99.0
Healthy Places Index Score for Project Location (b)	10.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	see construction assumptions
Construction: Trips and VMT	see construction assumptions
Construction: Architectural Coatings	see construction assumptions
Construction: Paving	see construction assumptions
Construction: Off-Road Equipment	see assumption sheet
Construction: Dust From Material Movement	see assumptions sheet

CMWC P-2 Con Mit Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

3. Construction Emissions Details

3.1. Demolition (2026) - Unmitigated

3.2. Demolition (2026) - Mitigated

3.3. Grading (2026) - Unmitigated

3.4. Grading (2026) - Mitigated

3.5. Building Construction (2026) - Unmitigated

3.6. Building Construction (2026) - Mitigated

3.7. Building Construction (2027) - Unmitigated

3.8. Building Construction (2027) - Mitigated

3.9. Paving (2027) - Unmitigated

3.10. Paving (2027) - Mitigated

3.11. Paving (2028) - Unmitigated

3.12. Paving (2028) - Mitigated

3.13. Architectural Coating (2027) - Unmitigated

3.14. Architectural Coating (2027) - Mitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	CMWC P-2 Con Mit
Construction Start Date	4/1/2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.20
Precipitation (days)	17.8
Location	1667 E 118th St, Los Angeles, CA 90059, USA
County	Los Angeles-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4210
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.26

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	47.0	Dwelling Unit	0.21	52,500	0.00	—	139	—

Enclosed Parking with Elevator	24.0	Space	0.10	12,000	0.00	—	—	—
Other Non-Asphalt Surfaces	14.4	1000sqft	0.33	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.04	0.81	8.83	10.8	0.02	0.33	2.38	2.71	0.30	1.11	1.41	—	2,796	2,796	0.13	0.24	3.49	2,875
Mit.	0.33	0.30	2.29	11.9	0.02	0.04	2.38	2.42	0.04	1.11	1.15	—	2,796	2,796	0.13	0.24	3.49	2,875
% Reduced	69%	63%	74%	-11%	—	87%	—	10%	86%	—	18%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.12	8.10	6.68	10.4	0.02	0.28	0.57	0.84	0.25	0.14	0.39	—	2,194	2,194	0.09	0.06	0.06	2,214
Mit.	8.01	8.00	2.16	11.6	0.02	0.06	0.57	0.60	0.06	0.14	0.16	—	2,194	2,194	0.09	0.06	0.06	2,214
% Reduced	1%	1%	68%	-11%	—	78%	—	29%	78%	—	58%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	1.50	1.41	3.83	6.26	0.01	0.14	0.50	0.65	0.13	0.18	0.32	—	1,313	1,313	0.05	0.05	0.57	1,325
Mit.	1.13	1.12	1.12	6.94	0.01	0.02	0.50	0.52	0.02	0.18	0.20	—	1,313	1,313	0.05	0.05	0.57	1,325
% Reduced	24%	21%	71%	-11%	—	87%	—	20%	86%	—	37%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.27	0.26	0.70	1.14	< 0.005	0.03	0.09	0.12	0.02	0.03	0.06	—	217	217	0.01	0.01	0.09	219
Mit.	0.21	0.20	0.20	1.27	< 0.005	< 0.005	0.09	0.10	< 0.005	0.03	0.04	—	217	217	0.01	0.01	0.09	219
% Reduced	24%	21%	71%	-11%	—	87%	—	20%	86%	—	37%	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.04	0.81	8.83	10.8	0.02	0.33	2.38	2.71	0.30	1.11	1.41	—	2,796	2,796	0.13	0.24	3.49	2,875
2027	0.91	0.77	6.26	10.6	0.02	0.24	0.57	0.81	0.22	0.14	0.36	—	2,207	2,207	0.09	0.06	2.17	2,229
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.96	0.81	6.68	10.4	0.02	0.28	0.57	0.84	0.25	0.14	0.39	—	2,194	2,194	0.09	0.06	0.06	2,214
2027	8.12	8.10	6.30	10.2	0.02	0.24	0.57	0.81	0.22	0.14	0.36	—	2,180	2,180	0.08	0.06	0.06	2,200
2028	0.63	0.53	4.12	6.15	0.01	0.15	0.23	0.38	0.14	0.05	0.20	—	1,040	1,040	0.04	0.01	0.02	1,045
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.49	0.40	3.63	4.97	0.01	0.14	0.50	0.65	0.13	0.18	0.32	—	1,177	1,177	0.05	0.05	0.57	1,194
2027	1.50	1.41	3.83	6.26	0.01	0.14	0.34	0.49	0.13	0.08	0.21	—	1,313	1,313	0.05	0.04	0.56	1,325
2028	0.06	0.05	0.41	0.62	< 0.005	0.02	0.02	0.04	0.01	0.01	0.02	—	104	104	< 0.005	< 0.005	0.03	105
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2026	0.09	0.07	0.66	0.91	< 0.005	0.03	0.09	0.12	0.02	0.03	0.06	—	195	195	0.01	0.01	0.09	198
2027	0.27	0.26	0.70	1.14	< 0.005	0.03	0.06	0.09	0.02	0.01	0.04	—	217	217	0.01	0.01	0.09	219
2028	0.01	0.01	0.08	0.11	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	17.2	17.2	< 0.005	< 0.005	< 0.005	17.3

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.33	0.30	2.29	11.9	0.02	0.04	2.38	2.42	0.04	1.11	1.15	—	2,796	2,796	0.13	0.24	3.49	2,875
2027	0.32	0.29	1.69	11.8	0.02	0.03	0.57	0.60	0.03	0.14	0.16	—	2,207	2,207	0.09	0.06	2.17	2,229
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.33	0.30	1.74	11.6	0.02	0.03	0.57	0.60	0.03	0.14	0.16	—	2,194	2,194	0.09	0.06	0.06	2,214
2027	8.01	8.00	2.16	11.4	0.02	0.06	0.57	0.60	0.06	0.14	0.16	—	2,180	2,180	0.08	0.06	0.06	2,200
2028	0.34	0.30	2.15	6.39	0.01	0.06	0.23	0.29	0.06	0.05	0.11	—	1,040	1,040	0.04	0.01	0.02	1,045
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.15	0.13	0.95	5.38	0.01	0.02	0.50	0.52	0.02	0.18	0.20	—	1,177	1,177	0.05	0.05	0.57	1,194
2027	1.13	1.12	1.12	6.94	0.01	0.02	0.34	0.36	0.02	0.08	0.10	—	1,313	1,313	0.05	0.04	0.56	1,325
2028	0.03	0.03	0.21	0.64	< 0.005	0.01	0.02	0.03	0.01	0.01	0.01	—	104	104	< 0.005	< 0.005	0.03	105
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.03	0.02	0.17	0.98	< 0.005	< 0.005	0.09	0.10	< 0.005	0.03	0.04	—	195	195	0.01	0.01	0.09	198
2027	0.21	0.20	0.20	1.27	< 0.005	< 0.005	0.06	0.07	< 0.005	0.01	0.02	—	217	217	0.01	0.01	0.09	219
2028	0.01	0.01	0.04	0.12	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	17.2	17.2	< 0.005	< 0.005	< 0.005	17.3

3. Construction Emissions Details

3.1. Demolition (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	0.27	2.59	3.74	0.01	0.10	—	0.10	0.09	—	0.09	—	608	608	0.02	< 0.005	—	610
Demolition	—	—	—	—	—	—	0.22	0.22	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.16	0.23	< 0.005	0.01	—	0.01	0.01	—	0.01	—	36.6	36.6	< 0.005	< 0.005	—	36.8
Demolition	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.07	6.07	< 0.005	< 0.005	—	6.09
Demolition	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.48	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	102	102	< 0.005	< 0.005	0.34	103
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.23	0.09	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	206	206	0.01	0.03	0.47	216
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.89	5.89	< 0.005	< 0.005	0.01	5.97
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.4	12.4	< 0.005	< 0.005	0.01	13.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.98	0.98	< 0.005	< 0.005	< 0.005	0.99
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.05	2.05	< 0.005	< 0.005	< 0.005	2.16

3.2. Demolition (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.06	0.06	0.30	3.88	0.01	0.01	—	0.01	0.01	—	0.01	—	608	608	0.02	< 0.005	—	610
Demolition	—	—	—	—	—	—	0.22	0.22	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.23	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	36.6	36.6	< 0.005	< 0.005	—	36.8
Demolition	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.07	6.07	< 0.005	< 0.005	—	6.09
Demolition	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.48	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	102	102	< 0.005	< 0.005	0.34	103
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.01	< 0.005	0.23	0.09	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	206	206	0.01	0.03	0.47	216
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.89	5.89	< 0.005	< 0.005	0.01	5.97
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.4	12.4	< 0.005	< 0.005	0.01	13.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.98	0.98	< 0.005	< 0.005	< 0.005	0.99
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.05	2.05	< 0.005	< 0.005	< 0.005	2.16

3.3. Grading (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.92	0.77	7.16	6.96	0.01	0.31	—	0.31	0.28	—	0.28	—	1,288	1,288	0.05	0.01	—	1,293
Dust From Material Movement	—	—	—	—	—	—	1.92	1.92	—	0.99	0.99	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.84	0.82	< 0.005	0.04	—	0.04	0.03	—	0.03	—	152	152	0.01	< 0.005	—	152
Dust From Material Movement	—	—	—	—	—	—	0.23	0.23	—	0.12	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.15	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	25.1	25.1	< 0.005	< 0.005	—	25.2
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.32	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	67.7	67.7	< 0.005	< 0.005	0.23	68.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.02	1.64	0.61	0.01	0.02	0.40	0.41	0.02	0.11	0.13	—	1,440	1,440	0.08	0.23	3.26	1,514
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.68	7.68	< 0.005	< 0.005	0.01	7.78
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.20	0.07	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	170	170	0.01	0.03	0.16	178
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.27	1.27	< 0.005	< 0.005	< 0.005	1.29
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	28.1	28.1	< 0.005	< 0.005	0.03	29.5

3.4. Grading (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.12	0.63	6.82	0.01	0.02	—	0.02	0.02	—	0.02	—	1,288	1,288	0.05	0.01	—	1,293
Dust From Material Movement	—	—	—	—	—	—	1.92	1.92	—	0.99	0.99	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.01	0.01	0.07	0.80	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	152	152	0.01	< 0.005	—	152
Dust From Material Movement	—	—	—	—	—	—	0.23	0.23	—	0.12	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.15	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	25.1	25.1	< 0.005	< 0.005	—	25.2
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.32	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	67.7	67.7	< 0.005	< 0.005	0.23	68.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.02	1.64	0.61	0.01	0.02	0.40	0.41	0.02	0.11	0.13	—	1,440	1,440	0.08	0.23	3.26	1,514
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.68	7.68	< 0.005	< 0.005	0.01	7.78
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.20	0.07	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	170	170	0.01	0.03	0.16	178
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.27	1.27	< 0.005	< 0.005	< 0.005	1.29
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	28.1	28.1	< 0.005	< 0.005	0.03	29.5

3.5. Building Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.78	0.66	6.26	8.14	0.01	0.27	—	0.27	0.25	—	0.25	—	1,476	1,476	0.06	0.01	—	1,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.78	0.66	6.26	8.14	0.01	0.27	—	0.27	0.25	—	0.25	—	1,476	1,476	0.06	0.01	—	1,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.24	2.25	2.93	< 0.005	0.10	—	0.10	0.09	—	0.09	—	532	532	0.02	< 0.005	—	533
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.41	0.54	< 0.005	0.02	—	0.02	0.02	—	0.02	—	88.0	88.0	< 0.005	< 0.005	—	88.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.14	0.15	2.51	0.00	0.00	0.51	0.51	0.00	0.12	0.12	—	527	527	0.02	0.02	1.78	535
Vendor	0.02	0.01	0.24	0.12	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	218	218	0.01	0.03	0.59	228
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.14	0.17	2.14	0.00	0.00	0.51	0.51	0.00	0.12	0.12	—	499	499	0.02	0.02	0.05	505
Vendor	0.02	0.01	0.25	0.12	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	218	218	0.01	0.03	0.02	228
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.07	0.81	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	182	182	0.01	0.01	0.28	185
Vendor	0.01	< 0.005	0.09	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	78.5	78.5	< 0.005	0.01	0.09	82.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	30.2	30.2	< 0.005	< 0.005	0.05	30.6
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	13.0	13.0	< 0.005	< 0.005	0.02	13.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Building Construction (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.15	1.32	9.31	0.01	0.03	—	0.03	0.03	—	0.03	—	1,476	1,476	0.06	0.01	—	1,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.15	1.32	9.31	0.01	0.03	—	0.03	0.03	—	0.03	—	1,476	1,476	0.06	0.01	—	1,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.48	3.35	< 0.005	0.01	—	0.01	0.01	—	0.01	—	532	532	0.02	< 0.005	—	533
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.09	0.61	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	88.0	88.0	< 0.005	< 0.005	—	88.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.14	0.15	2.51	0.00	0.00	0.51	0.51	0.00	0.12	0.12	—	527	527	0.02	0.02	1.78	535
Vendor	0.02	0.01	0.24	0.12	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	218	218	0.01	0.03	0.59	228
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.14	0.17	2.14	0.00	0.00	0.51	0.51	0.00	0.12	0.12	—	499	499	0.02	0.02	0.05	505
Vendor	0.02	0.01	0.25	0.12	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	218	218	0.01	0.03	0.02	228
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.07	0.81	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	182	182	0.01	0.01	0.28	185
Vendor	0.01	< 0.005	0.09	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	78.5	78.5	< 0.005	0.01	0.09	82.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	30.2	30.2	< 0.005	< 0.005	0.05	30.6
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	13.0	13.0	< 0.005	< 0.005	0.02	13.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.74	0.62	5.90	8.12	0.01	0.24	—	0.24	0.22	—	0.22	—	1,476	1,476	0.06	0.01	—	1,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.74	0.62	5.90	8.12	0.01	0.24	—	0.24	0.22	—	0.22	—	1,476	1,476	0.06	0.01	—	1,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.43	0.36	3.42	4.70	0.01	0.14	—	0.14	0.13	—	0.13	—	855	855	0.03	0.01	—	858
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.62	0.86	< 0.005	0.03	—	0.03	0.02	—	0.02	—	142	142	0.01	< 0.005	—	142
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.14	0.13	2.34	0.00	0.00	0.51	0.51	0.00	0.12	0.12	—	517	517	0.02	0.02	1.61	524
Vendor	0.01	0.01	0.23	0.11	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	214	214	0.01	0.03	0.56	223
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.14	0.17	1.98	0.00	0.00	0.51	0.51	0.00	0.12	0.12	—	490	490	0.01	0.02	0.04	496
Vendor	0.01	0.01	0.24	0.11	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	214	214	0.01	0.03	0.01	223
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.10	1.20	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	288	288	< 0.005	0.01	0.40	292
Vendor	0.01	< 0.005	0.14	0.06	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	124	124	0.01	0.02	0.14	129
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.02	0.22	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	47.7	47.7	< 0.005	< 0.005	0.07	48.3
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	20.5	20.5	< 0.005	< 0.005	0.02	21.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.15	1.32	9.31	0.01	0.03	—	0.03	0.03	—	0.03	—	1,476	1,476	0.06	0.01	—	1,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.15	0.15	1.32	9.31	0.01	0.03	—	0.03	0.03	—	0.03	—	1,476	1,476	0.06	0.01	—	1,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.09	0.09	0.77	5.39	0.01	0.02	—	0.02	0.02	—	0.02	—	855	855	0.03	0.01	—	858
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.02	0.02	0.14	0.98	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	142	142	0.01	< 0.005	—	142
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.14	0.13	2.34	0.00	0.00	0.51	0.51	0.00	0.12	0.12	—	517	517	0.02	0.02	1.61	524
Vendor	0.01	0.01	0.23	0.11	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	214	214	0.01	0.03	0.56	223
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.14	0.17	1.98	0.00	0.00	0.51	0.51	0.00	0.12	0.12	—	490	490	0.01	0.02	0.04	496
Vendor	0.01	0.01	0.24	0.11	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	214	214	0.01	0.03	0.01	223
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.09	0.08	0.10	1.20	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	288	288	< 0.005	0.01	0.40	292
Vendor	0.01	< 0.005	0.14	0.06	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	124	124	0.01	0.02	0.14	129
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.02	0.22	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	47.7	47.7	< 0.005	< 0.005	0.07	48.3
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	20.5	20.5	< 0.005	< 0.005	0.02	21.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.58	0.48	4.15	5.31	0.01	0.17	—	0.17	0.15	—	0.15	—	823	823	0.03	0.01	—	826
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14.5	14.5	< 0.005	< 0.005	—	14.5
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.40	2.40	< 0.005	< 0.005	—	2.41
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.08	0.89	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	220	220	< 0.005	0.01	0.02	223
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.94	3.94	< 0.005	< 0.005	0.01	3.99
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.65	0.65	< 0.005	< 0.005	< 0.005	0.66
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Paving (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	0.23	2.09	5.55	0.01	0.06	—	0.06	0.06	—	0.06	—	823	823	0.03	0.01	—	826
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.04	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14.5	14.5	< 0.005	< 0.005	—	14.5
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.40	2.40	< 0.005	< 0.005	—	2.41
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.08	0.89	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	220	220	< 0.005	0.01	0.02	223
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.94	3.94	< 0.005	< 0.005	0.01	3.99
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.65	0.65	< 0.005	< 0.005	< 0.005	0.66
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Paving (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.56	0.47	4.05	5.31	0.01	0.15	—	0.15	0.14	—	0.14	—	823	823	0.03	0.01	—	826
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.40	0.53	< 0.005	0.02	—	0.02	0.01	—	0.01	—	82.1	82.1	< 0.005	< 0.005	—	82.4
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.6	13.6	< 0.005	< 0.005	—	13.6
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.07	0.84	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	217	217	< 0.005	0.01	0.02	219
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	21.9	21.9	< 0.005	< 0.005	0.03	22.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.63	3.63	< 0.005	< 0.005	< 0.005	3.68
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Paving (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	0.23	2.09	5.55	0.01	0.06	—	0.06	0.06	—	0.06	—	823	823	0.03	0.01	—	826
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.21	0.55	< 0.005	0.01	—	0.01	0.01	—	0.01	—	82.1	82.1	< 0.005	< 0.005	—	82.4

Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.04	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.6	13.6	< 0.005	< 0.005	—	13.6
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.07	0.84	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	217	217	< 0.005	0.01	0.02	219
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	21.9	21.9	< 0.005	< 0.005	0.03	22.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.63	3.63	< 0.005	< 0.005	< 0.005	3.68
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Architectural Coating (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.11	0.83	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	7.96	7.96	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.10	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.7	15.7	< 0.005	< 0.005	—	15.8
Architectural Coatings	0.94	0.94	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.60	2.60	< 0.005	< 0.005	—	2.61

Architectural	0.17	0.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.40	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	98.0	98.0	< 0.005	< 0.005	0.01	99.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.7	11.7	< 0.005	< 0.005	0.02	11.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.94	1.94	< 0.005	< 0.005	< 0.005	1.96
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Architectural Coating (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	7.96	7.96	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.08	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.7	15.7	< 0.005	< 0.005	—	15.8
Architectural Coatings	0.94	0.94	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.60	2.60	< 0.005	< 0.005	—	2.61
Architectural Coatings	0.17	0.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.40	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	98.0	98.0	< 0.005	< 0.005	0.01	99.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.7	11.7	< 0.005	< 0.005	0.02	11.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.94	1.94	< 0.005	< 0.005	< 0.005	1.96
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	4/1/2026	4/30/2026	5.00	22.0	—
Grading	Grading	5/1/2026	6/30/2026	5.00	43.0	—
Building Construction	Building Construction	7/1/2026	10/23/2027	5.00	343	—
Paving	Paving	12/23/2027	2/20/2028	5.00	42.0	—
Architectural Coating	Architectural Coating	10/24/2027	12/22/2027	5.00	43.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	2.00	6.00	84.0	0.37
Demolition	Rubber Tired Dozers	Diesel	Average	1.00	1.00	367	0.40
Grading	Rubber Tired Dozers	Diesel	Average	1.00	6.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	1.00	4.00	367	0.29
Building Construction	Forklifts	Diesel	Average	2.00	6.00	82.0	0.20
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Building Construction	Excavators	Diesel	Average	1.00	8.00	36.0	0.38

Building Construction	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Paving	Cement and Mortar Mixers	Diesel	Average	4.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Average	1.00	7.00	81.0	0.42
Paving	Rollers	Diesel	Average	1.00	7.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	6.00	84.0	0.37
Demolition	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	1.00	367	0.40
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	6.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	7.00	84.0	0.37
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	4.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	2.00	6.00	82.0	0.20
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Building Construction	Excavators	Diesel	Tier 4 Final	1.00	8.00	36.0	0.38
Building Construction	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Paving	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	7.00	84.0	0.37
Paving	Cement and Mortar Mixers	Diesel	Average	4.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Tier 4 Final	1.00	7.00	81.0	0.42
Paving	Rollers	Diesel	Tier 4 Final	1.00	7.00	36.0	0.38

Architectural Coating	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	7.50	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	2.00	30.5	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	5.00	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	14.0	30.5	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	38.9	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	6.99	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	17.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	7.78	18.5	LDA,LDT1,LDT2

Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	7.50	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	2.00	30.5	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	5.00	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	14.0	30.5	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	38.9	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	6.99	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	17.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	7.78	18.5	LDA,LDT1,LDT2

Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	106,313	35,438	1,191	133	1,587

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	350	—
Grading	—	6,350	16.1	0.00	—
Paving	0.00	0.00	0.00	0.00	0.07

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Mid Rise	—	0%
Enclosed Parking with Elevator	0.00	0%
Other Non-Asphalt Surfaces	0.07	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00	532	0.03	< 0.005
2027	0.00	532	0.03	< 0.005
2028	0.00	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	6.58	annual days of extreme heat
Extreme Precipitation	4.40	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	32.1
AQ-PM	84.1
AQ-DPM	81.1
Drinking Water	50.7
Lead Risk Housing	93.2
Pesticides	0.00
Toxic Releases	97.9
Traffic	88.7
Effect Indicators	—
CleanUp Sites	43.2
Groundwater	65.3
Haz Waste Facilities/Generators	92.3
Impaired Water Bodies	66.7
Solid Waste	39.0
Sensitive Population	—
Asthma	96.0

Cardio-vascular	97.1
Low Birth Weights	87.6
Socioeconomic Factor Indicators	—
Education	91.3
Housing	68.5
Linguistic	74.8
Poverty	92.6
Unemployment	94.3

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	6.865135378
Employed	7.583728988
Median HI	20.41575773
Education	—
Bachelor's or higher	18.24714487
High school enrollment	100
Preschool enrollment	23.40562043
Transportation	—
Auto Access	19.3763634
Active commuting	78.62184011
Social	—
2-parent households	6.262030027
Voting	28.26895932
Neighborhood	—
Alcohol availability	17.00243809

Park access	81.35506224
Retail density	48.58206082
Supermarket access	75.02887206
Tree canopy	58.18041832
Housing	—
Homeownership	27.34505325
Housing habitability	10.48376748
Low-inc homeowner severe housing cost burden	18.96573848
Low-inc renter severe housing cost burden	20.28743744
Uncrowded housing	13.93558322
Health Outcomes	—
Insured adults	15.88605158
Arthritis	0.0
Asthma ER Admissions	11.0
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	6.0
Cognitively Disabled	28.0
Physically Disabled	18.0
Heart Attack ER Admissions	25.5
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	96.4

Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	3.5
Elderly	97.2
English Speaking	31.4
Foreign-born	52.8
Outdoor Workers	74.3
Climate Change Adaptive Capacity	—
Impervious Surface Cover	32.8
Traffic Density	95.7
Traffic Access	87.4
Other Indices	—
Hardship	86.8
Other Decision Support	—
2016 Voting	9.5

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	99.0
Healthy Places Index Score for Project Location (b)	10.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes

Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	see construction assumptions
Construction: Construction Phases	see construction assumptions
Construction: Trips and VMT	see construction assumptions
Construction: Paving	see construction assumptions
Construction: Architectural Coatings	See construction assumptions.
Construction: Off-Road Equipment	see assumptions sheet
Construction: Dust From Material Movement	see assumptions sheet

CMWC P-3 Con Mit Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

3. Construction Emissions Details

3.1. Demolition (2026) - Unmitigated

3.2. Demolition (2026) - Mitigated

3.3. Grading (2026) - Unmitigated

3.4. Grading (2026) - Mitigated

3.5. Building Construction (2026) - Unmitigated

3.6. Building Construction (2026) - Mitigated

3.7. Building Construction (2027) - Unmitigated

3.8. Building Construction (2027) - Mitigated

3.9. Paving (2027) - Unmitigated

3.10. Paving (2027) - Mitigated

3.11. Paving (2028) - Unmitigated

3.12. Paving (2028) - Mitigated

3.13. Architectural Coating (2027) - Unmitigated

3.14. Architectural Coating (2027) - Mitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	CMWC P-3 Con Mit
Construction Start Date	4/1/2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.20
Precipitation (days)	17.8
Location	1667 E 118th St, Los Angeles, CA 90059, USA
County	Los Angeles-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4210
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.26

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	47.0	Dwelling Unit	0.22	52,500	0.00	—	139	—

Enclosed Parking with Elevator	24.0	Space	0.10	12,000	0.00	—	—	—
Other Non-Asphalt Surfaces	14.7	1000sqft	0.33	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.04	0.81	8.83	10.8	0.02	0.33	2.38	2.71	0.30	1.11	1.41	—	2,796	2,796	0.13	0.24	3.49	2,875
Mit.	0.33	0.30	2.29	11.9	0.02	0.04	2.38	2.42	0.04	1.11	1.15	—	2,796	2,796	0.13	0.24	3.49	2,875
% Reduced	69%	63%	74%	-11%	—	87%	—	10%	86%	—	18%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.13	8.10	6.68	10.4	0.02	0.28	0.57	0.84	0.25	0.14	0.39	—	2,194	2,194	0.09	0.06	0.06	2,214
Mit.	8.01	8.01	2.16	11.6	0.02	0.06	0.57	0.60	0.06	0.14	0.16	—	2,194	2,194	0.09	0.06	0.06	2,214
% Reduced	1%	1%	68%	-11%	—	78%	—	29%	78%	—	58%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	1.50	1.41	3.83	6.26	0.01	0.14	0.50	0.64	0.13	0.18	0.31	—	1,313	1,313	0.05	0.05	0.57	1,325
Mit.	1.13	1.12	1.12	6.94	0.01	0.02	0.50	0.51	0.02	0.18	0.20	—	1,313	1,313	0.05	0.05	0.57	1,325
% Reduced	24%	21%	71%	-11%	—	87%	—	20%	86%	—	37%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.27	0.26	0.70	1.14	< 0.005	0.03	0.09	0.12	0.02	0.03	0.06	—	217	217	0.01	0.01	0.09	219
Mit.	0.21	0.20	0.20	1.27	< 0.005	< 0.005	0.09	0.09	< 0.005	0.03	0.04	—	217	217	0.01	0.01	0.09	219
% Reduced	24%	21%	71%	-11%	—	87%	—	20%	86%	—	37%	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.04	0.81	8.83	10.8	0.02	0.33	2.38	2.71	0.30	1.11	1.41	—	2,796	2,796	0.13	0.24	3.49	2,875
2027	0.91	0.77	6.26	10.6	0.02	0.24	0.57	0.81	0.22	0.14	0.36	—	2,207	2,207	0.09	0.06	2.17	2,229
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.96	0.81	6.68	10.4	0.02	0.28	0.57	0.84	0.25	0.14	0.39	—	2,194	2,194	0.09	0.06	0.06	2,214
2027	8.13	8.10	6.30	10.2	0.02	0.24	0.57	0.81	0.22	0.14	0.36	—	2,180	2,180	0.08	0.06	0.06	2,200
2028	0.63	0.53	4.12	6.15	0.01	0.15	0.23	0.38	0.14	0.05	0.20	—	1,040	1,040	0.04	0.01	0.02	1,045
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.49	0.40	3.63	4.97	0.01	0.14	0.50	0.64	0.13	0.18	0.31	—	1,177	1,177	0.05	0.05	0.57	1,194
2027	1.50	1.41	3.83	6.26	0.01	0.14	0.34	0.49	0.13	0.08	0.21	—	1,313	1,313	0.05	0.04	0.56	1,325
2028	0.06	0.05	0.41	0.62	< 0.005	0.02	0.02	0.04	0.01	0.01	0.02	—	104	104	< 0.005	< 0.005	0.03	105
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2026	0.09	0.07	0.66	0.91	< 0.005	0.03	0.09	0.12	0.02	0.03	0.06	—	195	195	0.01	0.01	0.09	198
2027	0.27	0.26	0.70	1.14	< 0.005	0.03	0.06	0.09	0.02	0.01	0.04	—	217	217	0.01	0.01	0.09	219
2028	0.01	0.01	0.08	0.11	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	17.2	17.2	< 0.005	< 0.005	< 0.005	17.3

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.33	0.30	2.29	11.9	0.02	0.04	2.38	2.42	0.04	1.11	1.15	—	2,796	2,796	0.13	0.24	3.49	2,875
2027	0.32	0.29	1.69	11.8	0.02	0.03	0.57	0.60	0.03	0.14	0.16	—	2,207	2,207	0.09	0.06	2.17	2,229
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.33	0.30	1.74	11.6	0.02	0.03	0.57	0.60	0.03	0.14	0.16	—	2,194	2,194	0.09	0.06	0.06	2,214
2027	8.01	8.01	2.16	11.4	0.02	0.06	0.57	0.60	0.06	0.14	0.16	—	2,180	2,180	0.08	0.06	0.06	2,200
2028	0.34	0.30	2.15	6.39	0.01	0.06	0.23	0.29	0.06	0.05	0.11	—	1,040	1,040	0.04	0.01	0.02	1,045
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.15	0.13	0.95	5.38	0.01	0.02	0.50	0.51	0.02	0.18	0.20	—	1,177	1,177	0.05	0.05	0.57	1,194
2027	1.13	1.12	1.12	6.94	0.01	0.02	0.34	0.36	0.02	0.08	0.10	—	1,313	1,313	0.05	0.04	0.56	1,325
2028	0.03	0.03	0.21	0.64	< 0.005	0.01	0.02	0.03	0.01	0.01	0.01	—	104	104	< 0.005	< 0.005	0.03	105
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.03	0.02	0.17	0.98	< 0.005	< 0.005	0.09	0.09	< 0.005	0.03	0.04	—	195	195	0.01	0.01	0.09	198
2027	0.21	0.20	0.20	1.27	< 0.005	< 0.005	0.06	0.07	< 0.005	0.01	0.02	—	217	217	0.01	0.01	0.09	219
2028	0.01	0.01	0.04	0.12	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	17.2	17.2	< 0.005	< 0.005	< 0.005	17.3

3. Construction Emissions Details

3.1. Demolition (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	0.27	2.59	3.74	0.01	0.10	—	0.10	0.09	—	0.09	—	608	608	0.02	< 0.005	—	610
Demolition	—	—	—	—	—	—	0.08	0.08	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.16	0.23	< 0.005	0.01	—	0.01	0.01	—	0.01	—	36.6	36.6	< 0.005	< 0.005	—	36.8
Demolition	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.07	6.07	< 0.005	< 0.005	—	6.09
Demolition	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.48	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	102	102	< 0.005	< 0.005	0.34	103
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.23	0.09	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	206	206	0.01	0.03	0.47	216
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.89	5.89	< 0.005	< 0.005	0.01	5.97
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.4	12.4	< 0.005	< 0.005	0.01	13.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.98	0.98	< 0.005	< 0.005	< 0.005	0.99
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.05	2.05	< 0.005	< 0.005	< 0.005	2.16

3.2. Demolition (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.06	0.06	0.30	3.88	0.01	0.01	—	0.01	0.01	—	0.01	—	608	608	0.02	< 0.005	—	610
Demolition	—	—	—	—	—	—	0.08	0.08	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.23	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	36.6	36.6	< 0.005	< 0.005	—	36.8
Demolition	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.07	6.07	< 0.005	< 0.005	—	6.09
Demolition	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.48	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	102	102	< 0.005	< 0.005	0.34	103
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.01	< 0.005	0.23	0.09	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	206	206	0.01	0.03	0.47	216
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.89	5.89	< 0.005	< 0.005	0.01	5.97
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.4	12.4	< 0.005	< 0.005	0.01	13.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.98	0.98	< 0.005	< 0.005	< 0.005	0.99
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.05	2.05	< 0.005	< 0.005	< 0.005	2.16

3.3. Grading (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.92	0.77	7.16	6.96	0.01	0.31	—	0.31	0.28	—	0.28	—	1,288	1,288	0.05	0.01	—	1,293
Dust From Material Movement	—	—	—	—	—	—	1.92	1.92	—	0.99	0.99	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.84	0.82	< 0.005	0.04	—	0.04	0.03	—	0.03	—	152	152	0.01	< 0.005	—	152
Dust From Material Movement	—	—	—	—	—	—	0.23	0.23	—	0.12	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.15	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	25.1	25.1	< 0.005	< 0.005	—	25.2
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.32	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	67.7	67.7	< 0.005	< 0.005	0.23	68.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.02	1.64	0.61	0.01	0.02	0.40	0.41	0.02	0.11	0.13	—	1,440	1,440	0.08	0.23	3.26	1,514
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.68	7.68	< 0.005	< 0.005	0.01	7.78
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.20	0.07	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	170	170	0.01	0.03	0.16	178
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.27	1.27	< 0.005	< 0.005	< 0.005	1.29
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	28.1	28.1	< 0.005	< 0.005	0.03	29.5

3.4. Grading (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.12	0.63	6.82	0.01	0.02	—	0.02	0.02	—	0.02	—	1,288	1,288	0.05	0.01	—	1,293
Dust From Material Movement	—	—	—	—	—	—	1.92	1.92	—	0.99	0.99	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.01	0.01	0.07	0.80	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	152	152	0.01	< 0.005	—	152
Dust From Material Movement	—	—	—	—	—	—	0.23	0.23	—	0.12	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.15	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	25.1	25.1	< 0.005	< 0.005	—	25.2
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.32	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	67.7	67.7	< 0.005	< 0.005	0.23	68.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.02	1.64	0.61	0.01	0.02	0.40	0.41	0.02	0.11	0.13	—	1,440	1,440	0.08	0.23	3.26	1,514
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.68	7.68	< 0.005	< 0.005	0.01	7.78
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.20	0.07	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	170	170	0.01	0.03	0.16	178
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.27	1.27	< 0.005	< 0.005	< 0.005	1.29
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	28.1	28.1	< 0.005	< 0.005	0.03	29.5

3.5. Building Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.78	0.66	6.26	8.14	0.01	0.27	—	0.27	0.25	—	0.25	—	1,476	1,476	0.06	0.01	—	1,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.78	0.66	6.26	8.14	0.01	0.27	—	0.27	0.25	—	0.25	—	1,476	1,476	0.06	0.01	—	1,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.24	2.25	2.93	< 0.005	0.10	—	0.10	0.09	—	0.09	—	532	532	0.02	< 0.005	—	533
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.41	0.54	< 0.005	0.02	—	0.02	0.02	—	0.02	—	88.0	88.0	< 0.005	< 0.005	—	88.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.14	0.15	2.51	0.00	0.00	0.51	0.51	0.00	0.12	0.12	—	527	527	0.02	0.02	1.78	535
Vendor	0.02	0.01	0.24	0.12	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	218	218	0.01	0.03	0.59	228
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.14	0.17	2.14	0.00	0.00	0.51	0.51	0.00	0.12	0.12	—	499	499	0.02	0.02	0.05	505
Vendor	0.02	0.01	0.25	0.12	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	218	218	0.01	0.03	0.02	228
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.07	0.81	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	182	182	0.01	0.01	0.28	185
Vendor	0.01	< 0.005	0.09	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	78.5	78.5	< 0.005	0.01	0.09	82.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	30.2	30.2	< 0.005	< 0.005	0.05	30.6
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	13.0	13.0	< 0.005	< 0.005	0.02	13.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Building Construction (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.15	1.32	9.31	0.01	0.03	—	0.03	0.03	—	0.03	—	1,476	1,476	0.06	0.01	—	1,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.15	1.32	9.31	0.01	0.03	—	0.03	0.03	—	0.03	—	1,476	1,476	0.06	0.01	—	1,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.48	3.35	< 0.005	0.01	—	0.01	0.01	—	0.01	—	532	532	0.02	< 0.005	—	533
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.09	0.61	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	88.0	88.0	< 0.005	< 0.005	—	88.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.14	0.15	2.51	0.00	0.00	0.51	0.51	0.00	0.12	0.12	—	527	527	0.02	0.02	1.78	535
Vendor	0.02	0.01	0.24	0.12	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	218	218	0.01	0.03	0.59	228
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.14	0.17	2.14	0.00	0.00	0.51	0.51	0.00	0.12	0.12	—	499	499	0.02	0.02	0.05	505
Vendor	0.02	0.01	0.25	0.12	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	218	218	0.01	0.03	0.02	228
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.07	0.81	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	182	182	0.01	0.01	0.28	185
Vendor	0.01	< 0.005	0.09	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	78.5	78.5	< 0.005	0.01	0.09	82.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	30.2	30.2	< 0.005	< 0.005	0.05	30.6
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	13.0	13.0	< 0.005	< 0.005	0.02	13.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.74	0.62	5.90	8.12	0.01	0.24	—	0.24	0.22	—	0.22	—	1,476	1,476	0.06	0.01	—	1,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.74	0.62	5.90	8.12	0.01	0.24	—	0.24	0.22	—	0.22	—	1,476	1,476	0.06	0.01	—	1,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.43	0.36	3.42	4.70	0.01	0.14	—	0.14	0.13	—	0.13	—	855	855	0.03	0.01	—	858
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.62	0.86	< 0.005	0.03	—	0.03	0.02	—	0.02	—	142	142	0.01	< 0.005	—	142
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.14	0.13	2.34	0.00	0.00	0.51	0.51	0.00	0.12	0.12	—	517	517	0.02	0.02	1.61	524
Vendor	0.01	0.01	0.23	0.11	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	214	214	0.01	0.03	0.56	223
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.14	0.17	1.98	0.00	0.00	0.51	0.51	0.00	0.12	0.12	—	490	490	0.01	0.02	0.04	496
Vendor	0.01	0.01	0.24	0.11	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	214	214	0.01	0.03	0.01	223
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.10	1.20	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	288	288	< 0.005	0.01	0.40	292
Vendor	0.01	< 0.005	0.14	0.06	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	124	124	0.01	0.02	0.14	129
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.02	0.22	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	47.7	47.7	< 0.005	< 0.005	0.07	48.3
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	20.5	20.5	< 0.005	< 0.005	0.02	21.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.15	1.32	9.31	0.01	0.03	—	0.03	0.03	—	0.03	—	1,476	1,476	0.06	0.01	—	1,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.15	0.15	1.32	9.31	0.01	0.03	—	0.03	0.03	—	0.03	—	1,476	1,476	0.06	0.01	—	1,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.09	0.09	0.77	5.39	0.01	0.02	—	0.02	0.02	—	0.02	—	855	855	0.03	0.01	—	858
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.02	0.02	0.14	0.98	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	142	142	0.01	< 0.005	—	142
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.14	0.13	2.34	0.00	0.00	0.51	0.51	0.00	0.12	0.12	—	517	517	0.02	0.02	1.61	524
Vendor	0.01	0.01	0.23	0.11	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	214	214	0.01	0.03	0.56	223
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.14	0.17	1.98	0.00	0.00	0.51	0.51	0.00	0.12	0.12	—	490	490	0.01	0.02	0.04	496
Vendor	0.01	0.01	0.24	0.11	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	214	214	0.01	0.03	0.01	223
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.09	0.08	0.10	1.20	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	288	288	< 0.005	0.01	0.40	292
Vendor	0.01	< 0.005	0.14	0.06	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	124	124	0.01	0.02	0.14	129
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.02	0.22	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	47.7	47.7	< 0.005	< 0.005	0.07	48.3
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	20.5	20.5	< 0.005	< 0.005	0.02	21.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.58	0.48	4.15	5.31	0.01	0.17	—	0.17	0.15	—	0.15	—	823	823	0.03	0.01	—	826
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14.5	14.5	< 0.005	< 0.005	—	14.5
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.40	2.40	< 0.005	< 0.005	—	2.41
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.08	0.89	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	220	220	< 0.005	0.01	0.02	223
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.94	3.94	< 0.005	< 0.005	0.01	3.99
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.65	0.65	< 0.005	< 0.005	< 0.005	0.66
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Paving (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	0.23	2.09	5.55	0.01	0.06	—	0.06	0.06	—	0.06	—	823	823	0.03	0.01	—	826
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.04	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14.5	14.5	< 0.005	< 0.005	—	14.5
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.40	2.40	< 0.005	< 0.005	—	2.41
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.08	0.89	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	220	220	< 0.005	0.01	0.02	223
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.94	3.94	< 0.005	< 0.005	0.01	3.99
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.65	0.65	< 0.005	< 0.005	< 0.005	0.66
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Paving (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.56	0.47	4.05	5.31	0.01	0.15	—	0.15	0.14	—	0.14	—	823	823	0.03	0.01	—	826
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.40	0.53	< 0.005	0.02	—	0.02	0.01	—	0.01	—	82.1	82.1	< 0.005	< 0.005	—	82.4
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.6	13.6	< 0.005	< 0.005	—	13.6
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.07	0.84	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	217	217	< 0.005	0.01	0.02	219
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	21.9	21.9	< 0.005	< 0.005	0.03	22.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.63	3.63	< 0.005	< 0.005	< 0.005	3.68
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Paving (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	0.23	2.09	5.55	0.01	0.06	—	0.06	0.06	—	0.06	—	823	823	0.03	0.01	—	826
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.21	0.55	< 0.005	0.01	—	0.01	0.01	—	0.01	—	82.1	82.1	< 0.005	< 0.005	—	82.4

Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.04	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.6	13.6	< 0.005	< 0.005	—	13.6
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.07	0.84	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	217	217	< 0.005	0.01	0.02	219
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	21.9	21.9	< 0.005	< 0.005	0.03	22.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.63	3.63	< 0.005	< 0.005	< 0.005	3.68
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Architectural Coating (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.11	0.83	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	7.96	7.96	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.10	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.7	15.7	< 0.005	< 0.005	—	15.8
Architectural Coatings	0.94	0.94	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.60	2.60	< 0.005	< 0.005	—	2.61

Architectural	0.17	0.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.40	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	98.0	98.0	< 0.005	< 0.005	0.01	99.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.7	11.7	< 0.005	< 0.005	0.02	11.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.94	1.94	< 0.005	< 0.005	< 0.005	1.96
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Architectural Coating (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	7.96	7.96	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.08	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.7	15.7	< 0.005	< 0.005	—	15.8
Architectural Coatings	0.94	0.94	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.60	2.60	< 0.005	< 0.005	—	2.61
Architectural Coatings	0.17	0.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.40	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	98.0	98.0	< 0.005	< 0.005	0.01	99.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.7	11.7	< 0.005	< 0.005	0.02	11.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.94	1.94	< 0.005	< 0.005	< 0.005	1.96
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	4/1/2026	4/30/2026	5.00	22.0	—
Grading	Grading	5/1/2026	6/30/2026	5.00	43.0	—
Building Construction	Building Construction	7/1/2026	10/23/2027	5.00	343	—
Paving	Paving	12/23/2027	2/20/2028	5.00	42.0	—
Architectural Coating	Architectural Coating	10/24/2027	12/22/2027	5.00	43.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	2.00	6.00	84.0	0.37
Demolition	Rubber Tired Dozers	Diesel	Average	1.00	1.00	367	0.40
Grading	Rubber Tired Dozers	Diesel	Average	1.00	6.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	1.00	4.00	367	0.29
Building Construction	Forklifts	Diesel	Average	2.00	6.00	82.0	0.20
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Building Construction	Excavators	Diesel	Average	1.00	8.00	36.0	0.38

Building Construction	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Paving	Cement and Mortar Mixers	Diesel	Average	4.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Average	1.00	7.00	81.0	0.42
Paving	Rollers	Diesel	Average	1.00	7.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	6.00	84.0	0.37
Demolition	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	1.00	367	0.40
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	6.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	7.00	84.0	0.37
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	4.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	2.00	6.00	82.0	0.20
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Building Construction	Excavators	Diesel	Tier 4 Final	1.00	8.00	36.0	0.38
Building Construction	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Paving	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	7.00	84.0	0.37
Paving	Cement and Mortar Mixers	Diesel	Average	4.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Tier 4 Final	1.00	7.00	81.0	0.42
Paving	Rollers	Diesel	Tier 4 Final	1.00	7.00	36.0	0.38

Architectural Coating	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	7.50	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	2.00	30.5	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	5.00	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	14.0	30.5	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	38.9	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	6.99	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	17.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	7.78	18.5	LDA,LDT1,LDT2

Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	7.50	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	2.00	30.5	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	5.00	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	14.0	30.5	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	38.9	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	6.99	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	17.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	7.78	18.5	LDA,LDT1,LDT2

Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	106,313	35,438	1,200	134	1,599

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	130	—
Grading	—	6,360	16.1	0.00	—
Paving	0.00	0.00	0.00	0.00	0.07

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Mid Rise	—	0%
Enclosed Parking with Elevator	0.00	0%
Other Non-Asphalt Surfaces	0.07	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00	532	0.03	< 0.005
2027	0.00	532	0.03	< 0.005
2028	0.00	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	6.58	annual days of extreme heat
Extreme Precipitation	4.40	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	32.1
AQ-PM	84.1
AQ-DPM	81.1
Drinking Water	50.7
Lead Risk Housing	93.2
Pesticides	0.00
Toxic Releases	97.9
Traffic	88.7
Effect Indicators	—
CleanUp Sites	43.2
Groundwater	65.3
Haz Waste Facilities/Generators	92.3
Impaired Water Bodies	66.7
Solid Waste	39.0
Sensitive Population	—
Asthma	96.0

Cardio-vascular	97.1
Low Birth Weights	87.6
Socioeconomic Factor Indicators	—
Education	91.3
Housing	68.5
Linguistic	74.8
Poverty	92.6
Unemployment	94.3

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	6.865135378
Employed	7.583728988
Median HI	20.41575773
Education	—
Bachelor's or higher	18.24714487
High school enrollment	100
Preschool enrollment	23.40562043
Transportation	—
Auto Access	19.3763634
Active commuting	78.62184011
Social	—
2-parent households	6.262030027
Voting	28.26895932
Neighborhood	—
Alcohol availability	17.00243809

Park access	81.35506224
Retail density	48.58206082
Supermarket access	75.02887206
Tree canopy	58.18041832
Housing	—
Homeownership	27.34505325
Housing habitability	10.48376748
Low-inc homeowner severe housing cost burden	18.96573848
Low-inc renter severe housing cost burden	20.28743744
Uncrowded housing	13.93558322
Health Outcomes	—
Insured adults	15.88605158
Arthritis	0.0
Asthma ER Admissions	11.0
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	6.0
Cognitively Disabled	28.0
Physically Disabled	18.0
Heart Attack ER Admissions	25.5
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	96.4

Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	3.5
Elderly	97.2
English Speaking	31.4
Foreign-born	52.8
Outdoor Workers	74.3
Climate Change Adaptive Capacity	—
Impervious Surface Cover	32.8
Traffic Density	95.7
Traffic Access	87.4
Other Indices	—
Hardship	86.8
Other Decision Support	—
2016 Voting	9.5

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	99.0
Healthy Places Index Score for Project Location (b)	10.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes

Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	see construction assumptions
Construction: Construction Phases	see construction assumptions
Construction: Trips and VMT	see construction assumptions
Construction: Paving	see construction assumptions
Construction: Architectural Coatings	See project assumptions.
Construction: Off-Road Equipment	see assumptions sheet
Construction: Dust From Material Movement	see assumptions sheet

CMWC P-4 Con Mit Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

3. Construction Emissions Details

3.1. Demolition (2028) - Unmitigated

3.2. Demolition (2028) - Mitigated

3.3. Grading (2028) - Unmitigated

3.4. Grading (2028) - Mitigated

3.5. Building Construction (2028) - Unmitigated

3.6. Building Construction (2028) - Mitigated

3.7. Building Construction (2029) - Unmitigated

3.8. Building Construction (2029) - Mitigated

3.9. Paving (2029) - Unmitigated

3.10. Paving (2029) - Mitigated

3.11. Paving (2030) - Unmitigated

3.12. Paving (2030) - Mitigated

3.13. Architectural Coating (2029) - Unmitigated

3.14. Architectural Coating (2029) - Mitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	CMWC P-4 Con Mit
Construction Start Date	3/1/2028
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.20
Precipitation (days)	17.8
Location	1667 E 118th St, Los Angeles, CA 90059, USA
County	Los Angeles-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4210
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.26

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
General Office Building	121	1000sqft	0.71	121,000	0.00	—	—	—

Enclosed Parking with Elevator	84.0	Space	0.20	39,400	0.00	—	—	—
Other Non-Asphalt Surfaces	14.3	1000sqft	0.33	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	27.5	27.5	18.8	17.1	0.07	0.60	4.71	5.31	0.56	1.86	2.42	—	8,893	8,893	0.40	1.03	13.2	9,224
Mit.	27.4	27.4	8.26	17.4	0.07	0.13	4.71	4.84	0.13	1.86	2.00	—	8,893	8,893	0.40	1.03	13.2	9,224
% Reduced	< 0.5%	< 0.5%	56%	-2%	—	78%	—	9%	76%	—	18%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	27.5	27.5	19.1	17.0	0.07	0.60	4.71	5.31	0.56	1.86	2.42	—	8,888	8,888	0.40	1.03	0.34	9,206
Mit.	27.4	27.4	8.52	17.4	0.07	0.13	4.71	4.84	0.13	1.86	2.00	—	8,888	8,888	0.40	1.03	0.34	9,206
% Reduced	< 0.5%	< 0.5%	55%	-2%	—	78%	—	9%	76%	—	18%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	3.88	3.76	6.68	8.20	0.02	0.19	1.01	1.20	0.18	0.33	0.51	—	2,603	2,603	0.10	0.19	1.46	2,664
Mit.	3.45	3.42	3.43	8.72	0.02	0.05	1.01	1.06	0.05	0.33	0.37	—	2,603	2,603	0.10	0.19	1.46	2,664
% Reduced	11%	9%	49%	-6%	—	76%	—	12%	74%	—	26%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.71	0.69	1.22	1.50	< 0.005	0.04	0.18	0.22	0.03	0.06	0.09	—	431	431	0.02	0.03	0.24	441
Mit.	0.63	0.62	0.63	1.59	< 0.005	0.01	0.18	0.19	0.01	0.06	0.07	—	431	431	0.02	0.03	0.24	441
% Reduced	11%	9%	49%	-6%	—	76%	—	12%	74%	—	26%	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	2.04	1.47	18.8	17.1	0.07	0.60	4.71	5.31	0.56	1.86	2.42	—	8,893	8,893	0.40	1.03	13.2	9,224
2029	27.5	27.5	8.57	13.1	0.03	0.22	0.95	1.16	0.20	0.23	0.43	—	3,274	3,274	0.11	0.15	3.71	3,326
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	2.03	1.46	19.1	17.0	0.07	0.60	4.71	5.31	0.56	1.86	2.42	—	8,888	8,888	0.40	1.03	0.34	9,206
2029	27.5	27.5	8.64	12.7	0.03	0.22	0.95	1.16	0.20	0.23	0.43	—	3,238	3,238	0.11	0.15	0.10	3,286
2030	0.54	0.46	3.98	6.99	0.01	0.13	0.16	0.29	0.12	0.04	0.16	—	1,141	1,141	0.04	0.01	0.01	1,146
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.90	0.72	6.68	8.20	0.02	0.19	1.01	1.20	0.18	0.33	0.51	—	2,603	2,603	0.10	0.19	1.46	2,664
2029	3.88	3.76	4.87	7.34	0.01	0.12	0.51	0.63	0.11	0.12	0.24	—	1,793	1,793	0.06	0.08	0.86	1,819
2030	0.02	0.02	0.13	0.23	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	—	38.0	38.0	< 0.005	< 0.005	0.01	38.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2028	0.16	0.13	1.22	1.50	< 0.005	0.04	0.18	0.22	0.03	0.06	0.09	—	431	431	0.02	0.03	0.24	441
2029	0.71	0.69	0.89	1.34	< 0.005	0.02	0.09	0.12	0.02	0.02	0.04	—	297	297	0.01	0.01	0.14	301
2030	< 0.005	< 0.005	0.02	0.04	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.29	6.29	< 0.005	< 0.005	< 0.005	6.32

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.66	0.51	8.26	17.4	0.07	0.13	4.71	4.84	0.13	1.86	2.00	—	8,893	8,893	0.40	1.03	13.2	9,224
2029	27.4	27.4	5.27	14.3	0.03	0.07	0.95	1.02	0.07	0.23	0.30	—	3,274	3,274	0.11	0.15	3.71	3,326
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.65	0.50	8.52	17.4	0.07	0.13	4.71	4.84	0.13	1.86	2.00	—	8,888	8,888	0.40	1.03	0.34	9,206
2029	27.4	27.4	5.33	13.8	0.03	0.07	0.95	1.02	0.07	0.23	0.30	—	3,238	3,238	0.11	0.15	0.10	3,286
2030	0.19	0.18	1.34	7.41	0.01	0.03	0.16	0.19	0.03	0.04	0.07	—	1,141	1,141	0.04	0.01	0.01	1,146
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.34	0.27	3.43	8.72	0.02	0.05	1.01	1.06	0.05	0.33	0.37	—	2,603	2,603	0.10	0.19	1.46	2,664
2029	3.45	3.42	2.93	7.96	0.01	0.04	0.51	0.55	0.04	0.12	0.16	—	1,793	1,793	0.06	0.08	0.86	1,819
2030	0.01	0.01	0.04	0.25	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	38.0	38.0	< 0.005	< 0.005	0.01	38.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.06	0.05	0.63	1.59	< 0.005	0.01	0.18	0.19	0.01	0.06	0.07	—	431	431	0.02	0.03	0.24	441
2029	0.63	0.62	0.53	1.45	< 0.005	0.01	0.09	0.10	0.01	0.02	0.03	—	297	297	0.01	0.01	0.14	301
2030	< 0.005	< 0.005	0.01	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.29	6.29	< 0.005	< 0.005	< 0.005	6.32

3. Construction Emissions Details

3.1. Demolition (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.08	9.79	10.7	0.02	0.40	—	0.40	0.37	—	0.37	—	1,960	1,960	0.08	0.02	—	1,967
Demolition	—	—	—	—	—	—	0.73	0.73	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.54	0.59	< 0.005	0.02	—	0.02	0.02	—	0.02	—	107	107	< 0.005	< 0.005	—	108
Demolition	—	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.10	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	17.8	17.8	< 0.005	< 0.005	—	17.8
Demolition	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.36	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	92.8	92.8	< 0.005	< 0.005	0.01	93.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.91	0.33	0.01	0.01	0.23	0.24	0.01	0.06	0.07	—	789	789	0.04	0.13	0.04	827
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.16	5.16	< 0.005	< 0.005	0.01	5.23
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	43.2	43.2	< 0.005	0.01	0.04	45.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.85	0.85	< 0.005	< 0.005	< 0.005	0.87
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.15	7.15	< 0.005	< 0.005	0.01	7.51

3.2. Demolition (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.18	0.18	0.96	10.8	0.02	0.04	—	0.04	0.04	—	0.04	—	1,960	1,960	0.08	0.02	—	1,967
Demolition	—	—	—	—	—	—	0.73	0.73	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.59	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	107	107	< 0.005	< 0.005	—	108
Demolition	—	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	17.8	17.8	< 0.005	< 0.005	—	17.8
Demolition	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.36	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	92.8	92.8	< 0.005	< 0.005	0.01	93.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.91	0.33	0.01	0.01	0.23	0.24	0.01	0.06	0.07	—	789	789	0.04	0.13	0.04	827

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.16	5.16	< 0.005	< 0.005	0.01	5.23
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	43.2	43.2	< 0.005	0.01	0.04	45.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.85	0.85	< 0.005	< 0.005	< 0.005	0.87
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.15	7.15	< 0.005	< 0.005	0.01	7.51

3.3. Grading (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.61	1.35	11.8	13.9	0.02	0.52	—	0.52	0.47	—	0.47	—	2,456	2,456	0.10	0.02	—	2,465
Dust From Material Movement	—	—	—	—	—	—	2.77	2.77	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.61	1.35	11.8	13.9	0.02	0.52	—	0.52	0.47	—	0.47	—	2,456	2,456	0.10	0.02	—	2,465

Dust From Material Movement	—	—	—	—	—	—	2.77	2.77	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.16	1.39	1.64	< 0.005	0.06	—	0.06	0.06	—	0.06	—	289	289	0.01	< 0.005	—	290
Dust From Material Movement	—	—	—	—	—	—	0.33	0.33	—	0.16	0.16	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.25	0.30	< 0.005	0.01	—	0.01	0.01	—	0.01	—	47.9	47.9	< 0.005	< 0.005	—	48.1
Dust From Material Movement	—	—	—	—	—	—	0.06	0.06	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.56	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	131	131	< 0.005	< 0.005	0.37	132
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.39	0.08	7.02	2.62	0.04	0.09	1.81	1.90	0.09	0.50	0.58	—	6,307	6,307	0.30	1.01	12.9	6,627

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.04	0.48	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	124	124	< 0.005	< 0.005	0.01	125
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.38	0.08	7.28	2.64	0.04	0.09	1.81	1.90	0.09	0.50	0.58	—	6,308	6,308	0.30	1.01	0.33	6,616
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	14.8	14.8	< 0.005	< 0.005	0.02	15.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.87	0.31	0.01	0.01	0.21	0.22	0.01	0.06	0.07	—	743	743	0.04	0.12	0.66	780
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.45	2.45	< 0.005	< 0.005	< 0.005	2.48
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.16	0.06	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	123	123	0.01	0.02	0.11	129

3.4. Grading (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.23	1.20	14.2	0.02	0.05	—	0.05	0.05	—	0.05	—	2,456	2,456	0.10	0.02	—	2,465
Dust From Material Movement	—	—	—	—	—	—	2.77	2.77	—	1.34	1.34	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.23	1.20	14.2	0.02	0.05	—	0.05	0.05	—	0.05	—	2,456	2,456	0.10	0.02	—	2,465
Dust From Material Movement	—	—	—	—	—	—	2.77	2.77	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.14	1.68	< 0.005	0.01	—	0.01	0.01	—	0.01	—	289	289	0.01	< 0.005	—	290
Dust From Material Movement	—	—	—	—	—	—	0.33	0.33	—	0.16	0.16	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.31	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	47.9	47.9	< 0.005	< 0.005	—	48.1
Dust From Material Movement	—	—	—	—	—	—	0.06	0.06	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.56	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	131	131	< 0.005	< 0.005	0.37	132
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.39	0.08	7.02	2.62	0.04	0.09	1.81	1.90	0.09	0.50	0.58	—	6,307	6,307	0.30	1.01	12.9	6,627
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.04	0.48	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	124	124	< 0.005	< 0.005	0.01	125
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.38	0.08	7.28	2.64	0.04	0.09	1.81	1.90	0.09	0.50	0.58	—	6,308	6,308	0.30	1.01	0.33	6,616
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	14.8	14.8	< 0.005	< 0.005	0.02	15.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.87	0.31	0.01	0.01	0.21	0.22	0.01	0.06	0.07	—	743	743	0.04	0.12	0.66	780
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.45	2.45	< 0.005	< 0.005	< 0.005	2.48
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.16	0.06	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	123	123	0.01	0.02	0.11	129

3.5. Building Construction (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	1.12	0.93	7.89	9.88	0.02	0.23	—	0.23	0.21	—	0.21	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.12	0.93	7.89	9.88	0.02	0.23	—	0.23	0.21	—	0.21	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.48	0.40	3.37	4.21	0.01	0.10	—	0.10	0.09	—	0.09	—	768	768	0.03	0.01	—	771
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.07	0.61	0.77	< 0.005	0.02	—	0.02	0.02	—	0.02	—	127	127	0.01	< 0.005	—	128
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.19	0.19	3.12	0.00	0.00	0.72	0.72	0.00	0.17	0.17	—	721	721	0.01	0.03	2.06	731
Vendor	0.05	0.02	0.83	0.40	0.01	0.01	0.22	0.23	0.01	0.06	0.07	—	785	785	0.03	0.11	1.99	821
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.19	0.21	2.65	0.00	0.00	0.72	0.72	0.00	0.17	0.17	—	684	684	0.01	0.03	0.05	692
Vendor	0.05	0.02	0.86	0.40	0.01	0.01	0.22	0.23	0.01	0.06	0.07	—	785	785	0.03	0.11	0.05	819
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.09	1.18	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	296	296	< 0.005	0.01	0.38	300
Vendor	0.02	0.01	0.37	0.17	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	335	335	0.01	0.05	0.36	350
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.02	0.22	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	49.0	49.0	< 0.005	< 0.005	0.06	49.6
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	55.5	55.5	< 0.005	0.01	0.06	57.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Building Construction (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	0.30	4.32	11.0	0.02	0.06	—	0.06	0.06	—	0.06	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.32	0.30	4.32	11.0	0.02	0.06	—	0.06	0.06	—	0.06	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.13	1.85	4.69	0.01	0.03	—	0.03	0.03	—	0.03	—	768	768	0.03	0.01	—	771
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.34	0.86	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	127	127	0.01	< 0.005	—	128
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.19	0.19	3.12	0.00	0.00	0.72	0.72	0.00	0.17	0.17	—	721	721	0.01	0.03	2.06	731
Vendor	0.05	0.02	0.83	0.40	0.01	0.01	0.22	0.23	0.01	0.06	0.07	—	785	785	0.03	0.11	1.99	821
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.19	0.21	2.65	0.00	0.00	0.72	0.72	0.00	0.17	0.17	—	684	684	0.01	0.03	0.05	692
Vendor	0.05	0.02	0.86	0.40	0.01	0.01	0.22	0.23	0.01	0.06	0.07	—	785	785	0.03	0.11	0.05	819
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.09	0.08	0.09	1.18	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	296	296	< 0.005	0.01	0.38	300
Vendor	0.02	0.01	0.37	0.17	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	335	335	0.01	0.05	0.36	350
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.02	0.22	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	49.0	49.0	< 0.005	< 0.005	0.06	49.6
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	55.5	55.5	< 0.005	0.01	0.06	57.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07	0.89	7.62	9.82	0.02	0.21	—	0.21	0.19	—	0.19	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07	0.89	7.62	9.82	0.02	0.21	—	0.21	0.19	—	0.19	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.55	0.46	3.91	5.04	0.01	0.11	—	0.11	0.10	—	0.10	—	923	923	0.04	0.01	—	927
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	0.71	0.92	< 0.005	0.02	—	0.02	0.02	—	0.02	—	153	153	0.01	< 0.005	—	153
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.18	0.16	2.92	0.00	0.00	0.72	0.72	0.00	0.17	0.17	—	709	709	0.01	0.03	1.84	719
Vendor	0.05	0.02	0.79	0.38	0.01	0.01	0.22	0.23	0.01	0.06	0.07	—	764	764	0.03	0.11	1.87	800
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.18	0.19	2.47	0.00	0.00	0.72	0.72	0.00	0.17	0.17	—	672	672	0.01	0.03	0.05	680
Vendor	0.05	0.02	0.82	0.39	0.01	0.01	0.22	0.23	0.01	0.06	0.07	—	765	765	0.03	0.11	0.05	799
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.09	0.10	1.33	0.00	0.00	0.37	0.37	0.00	0.09	0.09	—	350	350	< 0.005	0.01	0.41	354
Vendor	0.03	0.01	0.42	0.20	< 0.005	< 0.005	0.11	0.12	< 0.005	0.03	0.03	—	392	392	0.01	0.06	0.41	410
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.24	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	57.9	57.9	< 0.005	< 0.005	0.07	58.7
Vendor	< 0.005	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	64.9	64.9	< 0.005	0.01	0.07	67.8

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2029) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	0.30	4.32	11.0	0.02	0.06	—	0.06	0.06	—	0.06	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	0.30	4.32	11.0	0.02	0.06	—	0.06	0.06	—	0.06	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.15	2.22	5.64	0.01	0.03	—	0.03	0.03	—	0.03	—	923	923	0.04	0.01	—	927
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.03	0.03	0.40	1.03	< 0.005	0.01	—	0.01	0.01	—	0.01	—	153	153	0.01	< 0.005	—	153
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.18	0.16	2.92	0.00	0.00	0.72	0.72	0.00	0.17	0.17	—	709	709	0.01	0.03	1.84	719
Vendor	0.05	0.02	0.79	0.38	0.01	0.01	0.22	0.23	0.01	0.06	0.07	—	764	764	0.03	0.11	1.87	800
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.18	0.19	2.47	0.00	0.00	0.72	0.72	0.00	0.17	0.17	—	672	672	0.01	0.03	0.05	680
Vendor	0.05	0.02	0.82	0.39	0.01	0.01	0.22	0.23	0.01	0.06	0.07	—	765	765	0.03	0.11	0.05	799
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.09	0.10	1.33	0.00	0.00	0.37	0.37	0.00	0.09	0.09	—	350	350	< 0.005	0.01	0.41	354
Vendor	0.03	0.01	0.42	0.20	< 0.005	< 0.005	0.11	0.12	< 0.005	0.03	0.03	—	392	392	0.01	0.06	0.41	410
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.24	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	57.9	57.9	< 0.005	< 0.005	0.07	58.7
Vendor	< 0.005	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	64.9	64.9	< 0.005	0.01	0.07	67.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.51	0.42	4.03	6.48	0.01	0.14	—	0.14	0.13	—	0.13	—	991	991	0.04	0.01	—	994
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.34	0.55	< 0.005	0.01	—	0.01	0.01	—	0.01	—	83.4	83.4	< 0.005	< 0.005	—	83.7
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.8	13.8	< 0.005	< 0.005	—	13.9
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.56	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	152	152	< 0.005	0.01	0.01	154
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	13.0	13.0	< 0.005	< 0.005	0.02	13.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.15	2.15	< 0.005	< 0.005	< 0.005	2.18
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Paving (2029) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.14	1.30	6.89	0.01	0.03	—	0.03	0.03	—	0.03	—	991	991	0.04	0.01	—	994
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.11	0.58	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	83.4	83.4	< 0.005	< 0.005	—	83.7
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.8	13.8	< 0.005	< 0.005	—	13.9
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.56	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	152	152	< 0.005	0.01	0.01	154
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	13.0	13.0	< 0.005	< 0.005	0.02	13.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.15	2.15	< 0.005	< 0.005	< 0.005	2.18
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Paving (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49	0.41	3.94	6.47	0.01	0.13	—	0.13	0.12	—	0.12	—	991	991	0.04	0.01	—	994
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.13	0.22	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	33.0	33.0	< 0.005	< 0.005	—	33.1
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	< 0.005	< 0.005	0.02	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.46	5.46	< 0.005	< 0.005	—	5.48
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.52	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	150	150	< 0.005	0.01	0.01	151
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.05	5.05	< 0.005	< 0.005	0.01	5.12
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.84	0.84	< 0.005	< 0.005	< 0.005	0.85
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Paving (2030) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.14	1.30	6.89	0.01	0.03	—	0.03	0.03	—	0.03	—	991	991	0.04	0.01	—	994
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.04	0.23	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	33.0	33.0	< 0.005	< 0.005	—	33.1
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.46	5.46	< 0.005	< 0.005	—	5.48
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.52	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	150	150	< 0.005	0.01	0.01	151
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.05	5.05	< 0.005	< 0.005	0.01	5.12
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.84	0.84	< 0.005	< 0.005	< 0.005	0.85
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Architectural Coating (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.79	1.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	27.4	27.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.79	1.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	27.4	27.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.09	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.4	15.4	< 0.005	< 0.005	—	15.4
Architectural Coatings	3.15	3.15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.54	2.54	< 0.005	< 0.005	—	2.55
Architectural Coatings	0.57	0.57	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.58	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	142	142	< 0.005	0.01	0.37	144
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.49	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	134	134	< 0.005	0.01	0.01	136
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.7	15.7	< 0.005	< 0.005	0.02	15.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.60	2.60	< 0.005	< 0.005	< 0.005	2.63
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Architectural Coating (2029) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	27.4	27.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	27.4	27.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.07	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.4	15.4	< 0.005	< 0.005	—	15.4
Architectural Coatings	3.15	3.15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.54	2.54	< 0.005	< 0.005	—	2.55

Architect Coatings	0.57	0.57	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.58	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	142	142	< 0.005	0.01	0.37	144
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.49	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	134	134	< 0.005	0.01	0.01	136
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.7	15.7	< 0.005	< 0.005	0.02	15.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.60	2.60	< 0.005	< 0.005	< 0.005	2.63
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Remove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	3/1/2028	3/28/2028	5.00	20.0	—
Grading	Grading	3/29/2028	5/27/2028	5.00	43.0	—
Building Construction	Building Construction	5/28/2028	9/19/2029	5.00	343	—
Paving	Paving	11/19/2029	1/17/2030	5.00	44.0	—
Architectural Coating	Architectural Coating	9/20/2029	11/18/2029	5.00	42.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Demolition	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	7.00	84.0	0.37

Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Building Construction	Cranes	Diesel	Average	1.00	6.00	367	0.29
Building Construction	Forklifts	Diesel	Average	1.00	6.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	6.00	84.0	0.37
Building Construction	Welders	Diesel	Average	3.00	8.00	46.0	0.45
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Paving	Pavers	Diesel	Average	1.00	6.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	1.00	7.00	36.0	0.38
Paving	Cement and Mortar Mixers	Diesel	Average	1.00	6.00	10.0	0.56
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Demolition	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Grading	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	7.00	84.0	0.37
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	6.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	1.00	6.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	6.00	84.0	0.37

Building Construction	Welders	Diesel	Tier 4 Final	3.00	8.00	46.0	0.45
Paving	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Paving	Pavers	Diesel	Tier 4 Final	1.00	6.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	1.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Tier 4 Final	1.00	7.00	36.0	0.38
Paving	Cement and Mortar Mixers	Diesel	Average	1.00	6.00	10.0	0.56
Architectural Coating	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	7.50	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	8.00	30.5	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	10.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	64.0	30.5	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	55.3	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	26.3	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT

Paving	—	—	—	—
Paving	Worker	12.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	11.1	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	7.50	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	8.00	30.5	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	10.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	64.0	30.5	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	55.3	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	26.3	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT

Paving	—	—	—	—
Paving	Worker	12.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	11.1	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	183,917	60,769	3,222

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	1,060	—
Grading	—	25,430	43.0	0.00	—
Paving	0.00	0.00	0.00	0.00	0.13

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
General Office Building	0.00	0%
Enclosed Parking with Elevator	0.00	0%
Other Non-Asphalt Surfaces	0.13	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2028	0.00	532	0.03	< 0.005
2029	0.00	532	0.03	< 0.005
2030	0.00	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	6.58	annual days of extreme heat
Extreme Precipitation	4.40	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2

Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	32.1
AQ-PM	84.1
AQ-DPM	81.1
Drinking Water	50.7
Lead Risk Housing	93.2
Pesticides	0.00
Toxic Releases	97.9
Traffic	88.7
Effect Indicators	—
CleanUp Sites	43.2
Groundwater	65.3

Haz Waste Facilities/Generators	92.3
Impaired Water Bodies	66.7
Solid Waste	39.0
Sensitive Population	—
Asthma	96.0
Cardio-vascular	97.1
Low Birth Weights	87.6
Socioeconomic Factor Indicators	—
Education	91.3
Housing	68.5
Linguistic	74.8
Poverty	92.6
Unemployment	94.3

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	6.865135378
Employed	7.583728988
Median HI	20.41575773
Education	—
Bachelor's or higher	18.24714487
High school enrollment	100
Preschool enrollment	23.40562043
Transportation	—
Auto Access	19.3763634
Active commuting	78.62184011

Social	—
2-parent households	6.262030027
Voting	28.26895932
Neighborhood	—
Alcohol availability	17.00243809
Park access	81.35506224
Retail density	48.58206082
Supermarket access	75.02887206
Tree canopy	58.18041832
Housing	—
Homeownership	27.34505325
Housing habitability	10.48376748
Low-inc homeowner severe housing cost burden	18.96573848
Low-inc renter severe housing cost burden	20.28743744
Uncrowded housing	13.93558322
Health Outcomes	—
Insured adults	15.88605158
Arthritis	0.0
Asthma ER Admissions	11.0
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	6.0
Cognitively Disabled	28.0
Physically Disabled	18.0

Heart Attack ER Admissions	25.5
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	96.4
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	3.5
Elderly	97.2
English Speaking	31.4
Foreign-born	52.8
Outdoor Workers	74.3
Climate Change Adaptive Capacity	—
Impervious Surface Cover	32.8
Traffic Density	95.7
Traffic Access	87.4
Other Indices	—
Hardship	86.8
Other Decision Support	—
2016 Voting	9.5

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	99.0
Healthy Places Index Score for Project Location (b)	10.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	see construction assumptions
Construction: Construction Phases	see construction assumptions
Construction: Trips and VMT	see construction assumptions
Construction: Paving	see construction assumptions
Construction: Architectural Coatings	See project assumptions.
Construction: Off-Road Equipment	updated equipment list, see assumption sheet
Construction: Dust From Material Movement	updated values, see assumptions sheet

CMWC P-4 Con Mit Elec - W Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

3. Construction Emissions Details

3.1. Demolition (2028) - Unmitigated

3.2. Demolition (2028) - Mitigated

3.3. Grading (2028) - Unmitigated

3.4. Grading (2028) - Mitigated

3.5. Building Construction (2028) - Unmitigated

3.6. Building Construction (2028) - Mitigated

3.7. Building Construction (2029) - Unmitigated

3.8. Building Construction (2029) - Mitigated

3.9. Paving (2029) - Unmitigated

3.10. Paving (2029) - Mitigated

3.11. Paving (2030) - Unmitigated

3.12. Paving (2030) - Mitigated

3.13. Architectural Coating (2029) - Unmitigated

3.14. Architectural Coating (2029) - Mitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	CMWC P-4 Con Mit Elec - W
Construction Start Date	3/1/2028
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.20
Precipitation (days)	17.8
Location	1667 E 118th St, Los Angeles, CA 90059, USA
County	Los Angeles-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4210
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.26

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
General Office Building	121	1000sqft	0.71	121,000	0.00	—	—	—

Enclosed Parking with Elevator	84.0	Space	0.20	39,400	0.00	—	—	—
Other Non-Asphalt Surfaces	14.3	1000sqft	0.33	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-1-A	Use Electric or Hybrid Powered Equipment
Construction	C-5	Use Advanced Engine Tiers

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	27.5	27.5	18.8	17.1	0.07	0.60	4.71	5.31	0.56	1.86	2.42	—	8,893	8,893	0.40	1.03	13.2	9,224
Mit.	27.4	27.4	8.26	17.4	0.07	0.13	4.71	4.84	0.13	1.86	2.00	—	8,894	8,894	0.40	1.03	13.2	9,225
% Reduced	< 0.5%	< 0.5%	56%	-2%	—	78%	—	9%	76%	—	18%	—	> -0.5%	> -0.5%	—	—	—	> -0.5%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	27.5	27.5	19.1	17.0	0.07	0.60	4.71	5.31	0.56	1.86	2.42	—	8,888	8,888	0.40	1.03	0.34	9,206
Mit.	27.4	27.4	8.52	17.4	0.07	0.13	4.71	4.84	0.13	1.86	2.00	—	8,889	8,889	0.40	1.03	0.34	9,207
% Reduced	< 0.5%	< 0.5%	55%	-2%	—	78%	—	9%	76%	—	18%	—	> -0.5%	> -0.5%	—	—	—	> -0.5%

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.88	3.76	6.68	8.20	0.02	0.19	1.01	1.20	0.18	0.33	0.51	—	2,603	2,603	0.10	0.19	1.46	2,664
Mit.	3.40	3.37	2.14	6.80	0.02	0.04	1.01	1.05	0.04	0.33	0.37	—	2,337	2,337	0.09	0.19	1.46	2,398
% Reduced	12%	10%	68%	17%	17%	78%	—	13%	77%	—	27%	—	10%	10%	11%	1%	—	10%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.71	0.69	1.22	1.50	< 0.005	0.04	0.18	0.22	0.03	0.06	0.09	—	431	431	0.02	0.03	0.24	441
Mit.	0.62	0.62	0.39	1.24	< 0.005	0.01	0.18	0.19	0.01	0.06	0.07	—	387	387	0.01	0.03	0.24	397
% Reduced	12%	10%	68%	17%	17%	78%	—	13%	77%	—	27%	—	10%	10%	11%	1%	—	10%

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	2.04	1.47	18.8	17.1	0.07	0.60	4.71	5.31	0.56	1.86	2.42	—	8,893	8,893	0.40	1.03	13.2	9,224
2029	27.5	27.5	8.57	13.1	0.03	0.22	0.95	1.16	0.20	0.23	0.43	—	3,274	3,274	0.11	0.15	3.71	3,326
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	2.03	1.46	19.1	17.0	0.07	0.60	4.71	5.31	0.56	1.86	2.42	—	8,888	8,888	0.40	1.03	0.34	9,206
2029	27.5	27.5	8.64	12.7	0.03	0.22	0.95	1.16	0.20	0.23	0.43	—	3,238	3,238	0.11	0.15	0.10	3,286
2030	0.54	0.46	3.98	6.99	0.01	0.13	0.16	0.29	0.12	0.04	0.16	—	1,141	1,141	0.04	0.01	0.01	1,146
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.90	0.72	6.68	8.20	0.02	0.19	1.01	1.20	0.18	0.33	0.51	—	2,603	2,603	0.10	0.19	1.46	2,664
2029	3.88	3.76	4.87	7.34	0.01	0.12	0.51	0.63	0.11	0.12	0.24	—	1,793	1,793	0.06	0.08	0.86	1,819

2030	0.02	0.02	0.13	0.23	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	—	38.0	38.0	< 0.005	< 0.005	0.01	38.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.16	0.13	1.22	1.50	< 0.005	0.04	0.18	0.22	0.03	0.06	0.09	—	431	431	0.02	0.03	0.24	441
2029	0.71	0.69	0.89	1.34	< 0.005	0.02	0.09	0.12	0.02	0.02	0.04	—	297	297	0.01	0.01	0.14	301
2030	< 0.005	< 0.005	0.02	0.04	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.29	6.29	< 0.005	< 0.005	< 0.005	6.32

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.66	0.41	8.26	17.4	0.07	0.13	4.71	4.84	0.13	1.86	2.00	—	8,894	8,894	0.40	1.03	13.2	9,225
2029	27.4	27.4	2.26	9.80	0.02	0.06	0.95	1.00	0.05	0.23	0.29	—	2,653	2,653	0.08	0.15	3.71	2,702
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.65	0.40	8.52	17.4	0.07	0.13	4.71	4.84	0.13	1.86	2.00	—	8,889	8,889	0.40	1.03	0.34	9,207
2029	27.4	27.4	2.32	9.36	0.02	0.06	0.95	1.00	0.05	0.23	0.29	—	2,616	2,616	0.08	0.15	0.10	2,662
2030	0.19	0.18	1.34	7.41	0.01	0.03	0.16	0.19	0.03	0.04	0.07	—	1,141	1,141	0.04	0.01	0.01	1,146
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.30	0.23	2.14	6.80	0.02	0.04	1.01	1.05	0.04	0.33	0.37	—	2,338	2,338	0.09	0.19	1.46	2,398
2029	3.40	3.37	1.38	5.66	0.01	0.03	0.51	0.54	0.03	0.12	0.16	—	1,474	1,474	0.05	0.08	0.86	1,499
2030	0.01	0.01	0.04	0.25	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	38.0	38.0	< 0.005	< 0.005	0.01	38.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.05	0.04	0.39	1.24	< 0.005	0.01	0.18	0.19	0.01	0.06	0.07	—	387	387	0.01	0.03	0.24	397
2029	0.62	0.62	0.25	1.03	< 0.005	0.01	0.09	0.10	0.01	0.02	0.03	—	244	244	0.01	0.01	0.14	248
2030	< 0.005	< 0.005	0.01	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.29	6.29	< 0.005	< 0.005	< 0.005	6.32

3. Construction Emissions Details

3.1. Demolition (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.08	9.79	10.7	0.02	0.40	—	0.40	0.37	—	0.37	—	1,960	1,960	0.08	0.02	—	1,967
Demolition	—	—	—	—	—	—	0.73	0.73	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.54	0.59	< 0.005	0.02	—	0.02	0.02	—	0.02	—	107	107	< 0.005	< 0.005	—	108
Demolition	—	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	0.01	0.10	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	17.8	17.8	< 0.005	< 0.005	—	17.8
Demolition	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.36	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	92.8	92.8	< 0.005	< 0.005	0.01	93.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.91	0.33	0.01	0.01	0.23	0.24	0.01	0.06	0.07	—	789	789	0.04	0.13	0.04	827
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.16	5.16	< 0.005	< 0.005	0.01	5.23
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	43.2	43.2	< 0.005	0.01	0.04	45.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.85	0.85	< 0.005	< 0.005	< 0.005	0.87
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.15	7.15	< 0.005	< 0.005	0.01	7.51

3.2. Demolition (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.18	0.96	10.8	0.02	0.04	—	0.04	0.04	—	0.04	—	1,960	1,960	0.08	0.02	—	1,967
Demolition	—	—	—	—	—	—	0.73	0.73	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.59	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	107	107	< 0.005	< 0.005	—	108
Demolition	—	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	17.8	17.8	< 0.005	< 0.005	—	17.8
Demolition	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.36	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	92.8	92.8	< 0.005	< 0.005	0.01	93.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.91	0.33	0.01	0.01	0.23	0.24	0.01	0.06	0.07	—	789	789	0.04	0.13	0.04	827
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.16	5.16	< 0.005	< 0.005	0.01	5.23
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	43.2	43.2	< 0.005	0.01	0.04	45.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.85	0.85	< 0.005	< 0.005	< 0.005	0.87
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.15	7.15	< 0.005	< 0.005	0.01	7.51

3.3. Grading (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.61	1.35	11.8	13.9	0.02	0.52	—	0.52	0.47	—	0.47	—	2,456	2,456	0.10	0.02	—	2,465
Dust From Material Movement	—	—	—	—	—	—	2.77	2.77	—	1.34	1.34	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.61	1.35	11.8	13.9	0.02	0.52	—	0.52	0.47	—	0.47	—	2,456	2,456	0.10	0.02	—	2,465
Dust From Material Movement	—	—	—	—	—	—	2.77	2.77	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.16	1.39	1.64	< 0.005	0.06	—	0.06	0.06	—	0.06	—	289	289	0.01	< 0.005	—	290
Dust From Material Movement	—	—	—	—	—	—	0.33	0.33	—	0.16	0.16	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.25	0.30	< 0.005	0.01	—	0.01	0.01	—	0.01	—	47.9	47.9	< 0.005	< 0.005	—	48.1
Dust From Material Movement	—	—	—	—	—	—	0.06	0.06	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.56	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	131	131	< 0.005	< 0.005	0.37	132
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.39	0.08	7.02	2.62	0.04	0.09	1.81	1.90	0.09	0.50	0.58	—	6,307	6,307	0.30	1.01	12.9	6,627
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.04	0.48	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	124	124	< 0.005	< 0.005	0.01	125
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.38	0.08	7.28	2.64	0.04	0.09	1.81	1.90	0.09	0.50	0.58	—	6,308	6,308	0.30	1.01	0.33	6,616
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	14.8	14.8	< 0.005	< 0.005	0.02	15.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.87	0.31	0.01	0.01	0.21	0.22	0.01	0.06	0.07	—	743	743	0.04	0.12	0.66	780
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.45	2.45	< 0.005	< 0.005	< 0.005	2.48
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.16	0.06	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	123	123	0.01	0.02	0.11	129

3.4. Grading (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.23	0.23	1.20	14.2	0.02	0.05	—	0.05	0.05	—	0.05	—	2,456	2,456	0.10	0.02	—	2,465
Dust From Material Movement	—	—	—	—	—	—	2.77	2.77	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.23	1.20	14.2	0.02	0.05	—	0.05	0.05	—	0.05	—	2,456	2,456	0.10	0.02	—	2,465
Dust From Material Movement	—	—	—	—	—	—	2.77	2.77	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.14	1.68	< 0.005	0.01	—	0.01	0.01	—	0.01	—	289	289	0.01	< 0.005	—	290
Dust From Material Movement	—	—	—	—	—	—	0.33	0.33	—	0.16	0.16	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.31	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	47.9	47.9	< 0.005	< 0.005	—	48.1

Dust From Material Movement	—	—	—	—	—	—	0.06	0.06	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.56	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	131	131	< 0.005	< 0.005	0.37	132
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.39	0.08	7.02	2.62	0.04	0.09	1.81	1.90	0.09	0.50	0.58	—	6,307	6,307	0.30	1.01	12.9	6,627
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.04	0.48	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	124	124	< 0.005	< 0.005	0.01	125
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.38	0.08	7.28	2.64	0.04	0.09	1.81	1.90	0.09	0.50	0.58	—	6,308	6,308	0.30	1.01	0.33	6,616
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	14.8	14.8	< 0.005	< 0.005	0.02	15.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.87	0.31	0.01	0.01	0.21	0.22	0.01	0.06	0.07	—	743	743	0.04	0.12	0.66	780
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.45	2.45	< 0.005	< 0.005	< 0.005	2.48
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.16	0.06	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	123	123	0.01	0.02	0.11	129

3.5. Building Construction (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.12	0.93	7.89	9.88	0.02	0.23	—	0.23	0.21	—	0.21	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.12	0.93	7.89	9.88	0.02	0.23	—	0.23	0.21	—	0.21	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.48	0.40	3.37	4.21	0.01	0.10	—	0.10	0.09	—	0.09	—	768	768	0.03	0.01	—	771
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.07	0.61	0.77	< 0.005	0.02	—	0.02	0.02	—	0.02	—	127	127	0.01	< 0.005	—	128
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.19	0.19	3.12	0.00	0.00	0.72	0.72	0.00	0.17	0.17	—	721	721	0.01	0.03	2.06	731
Vendor	0.05	0.02	0.83	0.40	0.01	0.01	0.22	0.23	0.01	0.06	0.07	—	785	785	0.03	0.11	1.99	821
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.19	0.21	2.65	0.00	0.00	0.72	0.72	0.00	0.17	0.17	—	684	684	0.01	0.03	0.05	692
Vendor	0.05	0.02	0.86	0.40	0.01	0.01	0.22	0.23	0.01	0.06	0.07	—	785	785	0.03	0.11	0.05	819
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.09	1.18	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	296	296	< 0.005	0.01	0.38	300
Vendor	0.02	0.01	0.37	0.17	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	335	335	0.01	0.05	0.36	350
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.02	0.22	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	49.0	49.0	< 0.005	< 0.005	0.06	49.6
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	55.5	55.5	< 0.005	0.01	0.06	57.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Building Construction (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.22	0.20	1.31	6.50	0.01	0.05	—	0.05	0.05	—	0.05	—	1,179	1,179	0.05	0.01	—	1,183
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.20	1.31	6.50	0.01	0.05	—	0.05	0.05	—	0.05	—	1,179	1,179	0.05	0.01	—	1,183
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.09	0.56	2.77	< 0.005	0.02	—	0.02	0.02	—	0.02	—	503	503	0.02	< 0.005	—	505
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.10	0.51	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	83.3	83.3	< 0.005	< 0.005	—	83.6
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.19	0.19	3.12	0.00	0.00	0.72	0.72	0.00	0.17	0.17	—	721	721	0.01	0.03	2.06	731
Vendor	0.05	0.02	0.83	0.40	0.01	0.01	0.22	0.23	0.01	0.06	0.07	—	785	785	0.03	0.11	1.99	821
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.19	0.21	2.65	0.00	0.00	0.72	0.72	0.00	0.17	0.17	—	684	684	0.01	0.03	0.05	692
Vendor	0.05	0.02	0.86	0.40	0.01	0.01	0.22	0.23	0.01	0.06	0.07	—	785	785	0.03	0.11	0.05	819
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.09	1.18	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	296	296	< 0.005	0.01	0.38	300
Vendor	0.02	0.01	0.37	0.17	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	335	335	0.01	0.05	0.36	350
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.02	0.22	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	49.0	49.0	< 0.005	< 0.005	0.06	49.6
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	55.5	55.5	< 0.005	0.01	0.06	57.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07	0.89	7.62	9.82	0.02	0.21	—	0.21	0.19	—	0.19	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	1.07	0.89	7.62	9.82	0.02	0.21	—	0.21	0.19	—	0.19	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.55	0.46	3.91	5.04	0.01	0.11	—	0.11	0.10	—	0.10	—	923	923	0.04	0.01	—	927
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	0.71	0.92	< 0.005	0.02	—	0.02	0.02	—	0.02	—	153	153	0.01	< 0.005	—	153
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.18	0.16	2.92	0.00	0.00	0.72	0.72	0.00	0.17	0.17	—	709	709	0.01	0.03	1.84	719
Vendor	0.05	0.02	0.79	0.38	0.01	0.01	0.22	0.23	0.01	0.06	0.07	—	764	764	0.03	0.11	1.87	800
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.18	0.19	2.47	0.00	0.00	0.72	0.72	0.00	0.17	0.17	—	672	672	0.01	0.03	0.05	680
Vendor	0.05	0.02	0.82	0.39	0.01	0.01	0.22	0.23	0.01	0.06	0.07	—	765	765	0.03	0.11	0.05	799
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.09	0.09	0.10	1.33	0.00	0.00	0.37	0.37	0.00	0.09	0.09	—	350	350	< 0.005	0.01	0.41	354
Vendor	0.03	0.01	0.42	0.20	< 0.005	< 0.005	0.11	0.12	< 0.005	0.03	0.03	—	392	392	0.01	0.06	0.41	410
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.24	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	57.9	57.9	< 0.005	< 0.005	0.07	58.7
Vendor	< 0.005	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	64.9	64.9	< 0.005	0.01	0.07	67.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2029) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.20	1.31	6.50	0.01	0.05	—	0.05	0.05	—	0.05	—	1,179	1,179	0.05	0.01	—	1,183
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.20	1.31	6.50	0.01	0.05	—	0.05	0.05	—	0.05	—	1,179	1,179	0.05	0.01	—	1,183
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.11	0.10	0.67	3.33	0.01	0.03	—	0.03	0.02	—	0.02	—	604	604	0.02	< 0.005	—	606
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.12	0.61	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	100	100	< 0.005	< 0.005	—	100
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.18	0.16	2.92	0.00	0.00	0.72	0.72	0.00	0.17	0.17	—	709	709	0.01	0.03	1.84	719
Vendor	0.05	0.02	0.79	0.38	0.01	0.01	0.22	0.23	0.01	0.06	0.07	—	764	764	0.03	0.11	1.87	800
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.18	0.19	2.47	0.00	0.00	0.72	0.72	0.00	0.17	0.17	—	672	672	0.01	0.03	0.05	680
Vendor	0.05	0.02	0.82	0.39	0.01	0.01	0.22	0.23	0.01	0.06	0.07	—	765	765	0.03	0.11	0.05	799
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.09	0.10	1.33	0.00	0.00	0.37	0.37	0.00	0.09	0.09	—	350	350	< 0.005	0.01	0.41	354
Vendor	0.03	0.01	0.42	0.20	< 0.005	< 0.005	0.11	0.12	< 0.005	0.03	0.03	—	392	392	0.01	0.06	0.41	410
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.24	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	57.9	57.9	< 0.005	< 0.005	0.07	58.7
Vendor	< 0.005	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	64.9	64.9	< 0.005	0.01	0.07	67.8

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.51	0.42	4.03	6.48	0.01	0.14	—	0.14	0.13	—	0.13	—	991	991	0.04	0.01	—	994
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.34	0.55	< 0.005	0.01	—	0.01	0.01	—	0.01	—	83.4	83.4	< 0.005	< 0.005	—	83.7
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.8	13.8	< 0.005	< 0.005	—	13.9
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.56	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	152	152	< 0.005	0.01	0.01	154
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	13.0	13.0	< 0.005	< 0.005	0.02	13.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.15	2.15	< 0.005	< 0.005	< 0.005	2.18
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Paving (2029) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.15	0.14	1.30	6.89	0.01	0.03	—	0.03	0.03	—	0.03	—	991	991	0.04	0.01	—	994
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.01	0.01	0.11	0.58	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	83.4	83.4	< 0.005	< 0.005	—	83.7
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	< 0.005	< 0.005	0.02	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.8	13.8	< 0.005	< 0.005	—	13.9
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.56	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	152	152	< 0.005	0.01	0.01	154
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	13.0	13.0	< 0.005	< 0.005	0.02	13.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.15	2.15	< 0.005	< 0.005	< 0.005	2.18
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Paving (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49	0.41	3.94	6.47	0.01	0.13	—	0.13	0.12	—	0.12	—	991	991	0.04	0.01	—	994
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.13	0.22	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	33.0	33.0	< 0.005	< 0.005	—	33.1
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.46	5.46	< 0.005	< 0.005	—	5.48
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.52	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	150	150	< 0.005	0.01	0.01	151
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.05	5.05	< 0.005	< 0.005	0.01	5.12
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.84	0.84	< 0.005	< 0.005	< 0.005	0.85
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Paving (2030) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.14	1.30	6.89	0.01	0.03	—	0.03	0.03	—	0.03	—	991	991	0.04	0.01	—	994
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.04	0.23	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	33.0	33.0	< 0.005	< 0.005	—	33.1
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.46	5.46	< 0.005	< 0.005	—	5.48
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.52	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	150	150	< 0.005	0.01	0.01	151
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.05	5.05	< 0.005	< 0.005	0.01	5.12
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.84	0.84	< 0.005	< 0.005	< 0.005	0.85
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Architectural Coating (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.79	1.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134

Architectural Coating	27.4	27.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.79	1.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	27.4	27.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.09	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.4	15.4	< 0.005	< 0.005	—	15.4
Architectural Coatings	3.15	3.15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.54	2.54	< 0.005	< 0.005	—	2.55

Architectural Coatings	0.57	0.57	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.58	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	142	142	< 0.005	0.01	0.37	144
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.49	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	134	134	< 0.005	0.01	0.01	136
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.7	15.7	< 0.005	< 0.005	0.02	15.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.60	2.60	< 0.005	< 0.005	< 0.005	2.63
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Architectural Coating (2029) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	27.4	27.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	27.4	27.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.07	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.4	15.4	< 0.005	< 0.005	—	15.4
Architectural Coatings	3.15	3.15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.54	2.54	< 0.005	< 0.005	—	2.55
Architectural Coatings	0.57	0.57	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.58	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	142	142	< 0.005	0.01	0.37	144
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.49	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	134	134	< 0.005	0.01	0.01	136
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.7	15.7	< 0.005	< 0.005	0.02	15.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.60	2.60	< 0.005	< 0.005	< 0.005	2.63

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	3/1/2028	3/28/2028	5.00	20.0	—
Grading	Grading	3/29/2028	5/27/2028	5.00	43.0	—
Building Construction	Building Construction	5/28/2028	9/19/2029	5.00	343	—
Paving	Paving	11/19/2029	1/17/2030	5.00	44.0	—
Architectural Coating	Architectural Coating	9/20/2029	11/18/2029	5.00	42.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Demolition	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	7.00	84.0	0.37
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Building Construction	Cranes	Diesel	Average	1.00	6.00	367	0.29
Building Construction	Forklifts	Diesel	Average	1.00	6.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	6.00	84.0	0.37
Building Construction	Welders	Diesel	Average	3.00	8.00	46.0	0.45
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Paving	Pavers	Diesel	Average	1.00	6.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	1.00	7.00	36.0	0.38
Paving	Cement and Mortar Mixers	Diesel	Average	1.00	6.00	10.0	0.56
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37

Demolition	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Grading	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	7.00	84.0	0.37
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	6.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	1.00	6.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	6.00	84.0	0.37
Building Construction	Welders	Electric	Average	3.00	8.00	46.0	0.45
Paving	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Paving	Pavers	Diesel	Tier 4 Final	1.00	6.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	1.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Tier 4 Final	1.00	7.00	36.0	0.38
Paving	Cement and Mortar Mixers	Diesel	Average	1.00	6.00	10.0	0.56
Architectural Coating	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	7.50	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	8.00	30.5	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—

Grading	Worker	10.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	64.0	30.5	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	55.3	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	26.3	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	12.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	11.1	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	7.50	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	8.00	30.5	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—

Grading	Worker	10.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	64.0	30.5	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	55.3	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	26.3	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	12.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	11.1	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	183,917	60,769	3,222

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	1,060	—
Grading	—	25,430	43.0	0.00	—
Paving	0.00	0.00	0.00	0.00	0.13

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
General Office Building	0.00	0%
Enclosed Parking with Elevator	0.00	0%
Other Non-Asphalt Surfaces	0.13	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2028	0.00	532	0.03	< 0.005
2029	0.00	532	0.03	< 0.005
2030	0.00	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	6.58	annual days of extreme heat
Extreme Precipitation	4.40	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	32.1

AQ-PM	84.1
AQ-DPM	81.1
Drinking Water	50.7
Lead Risk Housing	93.2
Pesticides	0.00
Toxic Releases	97.9
Traffic	88.7
Effect Indicators	—
CleanUp Sites	43.2
Groundwater	65.3
Haz Waste Facilities/Generators	92.3
Impaired Water Bodies	66.7
Solid Waste	39.0
Sensitive Population	—
Asthma	96.0
Cardio-vascular	97.1
Low Birth Weights	87.6
Socioeconomic Factor Indicators	—
Education	91.3
Housing	68.5
Linguistic	74.8
Poverty	92.6
Unemployment	94.3

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—

Above Poverty	6.865135378
Employed	7.583728988
Median HI	20.41575773
Education	—
Bachelor's or higher	18.24714487
High school enrollment	100
Preschool enrollment	23.40562043
Transportation	—
Auto Access	19.3763634
Active commuting	78.62184011
Social	—
2-parent households	6.262030027
Voting	28.26895932
Neighborhood	—
Alcohol availability	17.00243809
Park access	81.35506224
Retail density	48.58206082
Supermarket access	75.02887206
Tree canopy	58.18041832
Housing	—
Homeownership	27.34505325
Housing habitability	10.48376748
Low-inc homeowner severe housing cost burden	18.96573848
Low-inc renter severe housing cost burden	20.28743744
Uncrowded housing	13.93558322
Health Outcomes	—
Insured adults	15.88605158
Arthritis	0.0

Asthma ER Admissions	11.0
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	6.0
Cognitively Disabled	28.0
Physically Disabled	18.0
Heart Attack ER Admissions	25.5
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	96.4
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	3.5
Elderly	97.2
English Speaking	31.4
Foreign-born	52.8

Outdoor Workers	74.3
Climate Change Adaptive Capacity	—
Impervious Surface Cover	32.8
Traffic Density	95.7
Traffic Access	87.4
Other Indices	—
Hardship	86.8
Other Decision Support	—
2016 Voting	9.5

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	99.0
Healthy Places Index Score for Project Location (b)	10.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	see construction assumptions
Construction: Construction Phases	see construction assumptions
Construction: Trips and VMT	see construction assumptions
Construction: Paving	see construction assumptions
Construction: Architectural Coatings	See project assumptions.
Construction: Off-Road Equipment	updated equipment list, see assumption sheet
Construction: Dust From Material Movement	updated values, see assumptions sheet

CMWC P-4 Con Mit Elec - WC Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

3. Construction Emissions Details

3.1. Demolition (2028) - Unmitigated

3.2. Demolition (2028) - Mitigated

3.3. Grading (2028) - Unmitigated

3.4. Grading (2028) - Mitigated

3.5. Building Construction (2028) - Unmitigated

3.6. Building Construction (2028) - Mitigated

3.7. Building Construction (2029) - Unmitigated

3.8. Building Construction (2029) - Mitigated

3.9. Paving (2029) - Unmitigated

3.10. Paving (2029) - Mitigated

3.11. Paving (2030) - Unmitigated

3.12. Paving (2030) - Mitigated

3.13. Architectural Coating (2029) - Unmitigated

3.14. Architectural Coating (2029) - Mitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	CMWC P-4 Con Mit Elec - WC
Construction Start Date	3/1/2028
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.20
Precipitation (days)	17.8
Location	1667 E 118th St, Los Angeles, CA 90059, USA
County	Los Angeles-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4210
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.26

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
General Office Building	121	1000sqft	0.71	121,000	0.00	—	—	—

Enclosed Parking with Elevator	84.0	Space	0.20	39,400	0.00	—	—	—
Other Non-Asphalt Surfaces	14.3	1000sqft	0.33	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-1-A	Use Electric or Hybrid Powered Equipment
Construction	C-5	Use Advanced Engine Tiers

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	27.5	27.5	18.8	17.1	0.07	0.60	4.71	5.31	0.56	1.86	2.42	—	8,893	8,893	0.40	1.03	13.2	9,224
Mit.	27.4	27.4	8.26	17.4	0.07	0.13	4.71	4.84	0.13	1.86	2.00	—	8,895	8,895	0.40	1.03	13.2	9,226
% Reduced	< 0.5%	< 0.5%	56%	-2%	—	78%	—	9%	76%	—	18%	—	> -0.5%	> -0.5%	—	—	—	> -0.5%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	27.5	27.5	19.1	17.0	0.07	0.60	4.71	5.31	0.56	1.86	2.42	—	8,888	8,888	0.40	1.03	0.34	9,206
Mit.	27.4	27.4	8.52	17.4	0.07	0.13	4.71	4.84	0.13	1.86	2.00	—	8,891	8,891	0.40	1.03	0.34	9,208
% Reduced	< 0.5%	< 0.5%	55%	-2%	—	78%	—	9%	76%	—	18%	—	> -0.5%	> -0.5%	—	—	—	> -0.5%

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.88	3.76	6.68	8.20	0.02	0.19	1.01	1.20	0.18	0.33	0.51	—	2,603	2,603	0.10	0.19	1.46	2,664
Mit.	3.37	3.34	1.99	5.24	0.01	0.04	1.01	1.05	0.04	0.33	0.36	—	2,020	2,020	0.08	0.19	1.46	2,080
% Reduced	13%	11%	70%	36%	32%	81%	—	13%	80%	—	28%	—	22%	22%	23%	2%	—	22%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.71	0.69	1.22	1.50	< 0.005	0.04	0.18	0.22	0.03	0.06	0.09	—	431	431	0.02	0.03	0.24	441
Mit.	0.61	0.61	0.36	0.96	< 0.005	0.01	0.18	0.19	0.01	0.06	0.07	—	334	334	0.01	0.03	0.24	344
% Reduced	13%	11%	70%	36%	32%	81%	—	13%	80%	—	28%	—	22%	22%	23%	2%	—	22%

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	2.04	1.47	18.8	17.1	0.07	0.60	4.71	5.31	0.56	1.86	2.42	—	8,893	8,893	0.40	1.03	13.2	9,224
2029	27.5	27.5	8.57	13.1	0.03	0.22	0.95	1.16	0.20	0.23	0.43	—	3,274	3,274	0.11	0.15	3.71	3,326
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	2.03	1.46	19.1	17.0	0.07	0.60	4.71	5.31	0.56	1.86	2.42	—	8,888	8,888	0.40	1.03	0.34	9,206
2029	27.5	27.5	8.64	12.7	0.03	0.22	0.95	1.16	0.20	0.23	0.43	—	3,238	3,238	0.11	0.15	0.10	3,286
2030	0.54	0.46	3.98	6.99	0.01	0.13	0.16	0.29	0.12	0.04	0.16	—	1,141	1,141	0.04	0.01	0.01	1,146
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.90	0.72	6.68	8.20	0.02	0.19	1.01	1.20	0.18	0.33	0.51	—	2,603	2,603	0.10	0.19	1.46	2,664
2029	3.88	3.76	4.87	7.34	0.01	0.12	0.51	0.63	0.11	0.12	0.24	—	1,793	1,793	0.06	0.08	0.86	1,819

2030	0.02	0.02	0.13	0.23	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	—	38.0	38.0	< 0.005	< 0.005	0.01	38.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.16	0.13	1.22	1.50	< 0.005	0.04	0.18	0.22	0.03	0.06	0.09	—	431	431	0.02	0.03	0.24	441
2029	0.71	0.69	0.89	1.34	< 0.005	0.02	0.09	0.12	0.02	0.02	0.04	—	297	297	0.01	0.01	0.14	301
2030	< 0.005	< 0.005	0.02	0.04	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.29	6.29	< 0.005	< 0.005	< 0.005	6.32

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.66	0.35	8.26	17.4	0.07	0.13	4.71	4.84	0.13	1.86	2.00	—	8,895	8,895	0.40	1.03	13.2	9,226
2029	27.4	27.4	1.89	6.14	0.01	0.04	0.95	0.99	0.04	0.23	0.27	—	1,911	1,911	0.05	0.14	3.71	1,958
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.65	0.34	8.52	17.4	0.07	0.13	4.71	4.84	0.13	1.86	2.00	—	8,891	8,891	0.40	1.03	0.34	9,208
2029	27.4	27.4	1.96	7.45	0.01	0.04	0.95	0.99	0.04	0.23	0.27	—	1,875	1,875	0.05	0.14	0.10	1,918
2030	0.19	0.18	1.34	7.41	0.01	0.03	0.16	0.19	0.03	0.04	0.07	—	1,141	1,141	0.04	0.01	0.01	1,146
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.27	0.20	1.99	5.24	0.01	0.04	1.01	1.05	0.04	0.33	0.36	—	2,021	2,021	0.08	0.19	1.46	2,081
2029	3.37	3.34	1.20	3.78	0.01	0.02	0.51	0.54	0.02	0.12	0.15	—	1,094	1,094	0.03	0.07	0.86	1,118
2030	0.01	0.01	0.04	0.25	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	38.0	38.0	< 0.005	< 0.005	0.01	38.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.05	0.04	0.36	0.96	< 0.005	0.01	0.18	0.19	0.01	0.06	0.07	—	335	335	0.01	0.03	0.24	345
2029	0.61	0.61	0.22	0.69	< 0.005	< 0.005	0.09	0.10	< 0.005	0.02	0.03	—	181	181	0.01	0.01	0.14	185
2030	< 0.005	< 0.005	0.01	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.29	6.29	< 0.005	< 0.005	< 0.005	6.32

3. Construction Emissions Details

3.1. Demolition (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.08	9.79	10.7	0.02	0.40	—	0.40	0.37	—	0.37	—	1,960	1,960	0.08	0.02	—	1,967
Demolition	—	—	—	—	—	—	0.73	0.73	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.54	0.59	< 0.005	0.02	—	0.02	0.02	—	0.02	—	107	107	< 0.005	< 0.005	—	108
Demolition	—	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	0.01	0.10	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	17.8	17.8	< 0.005	< 0.005	—	17.8
Demolition	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.36	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	92.8	92.8	< 0.005	< 0.005	0.01	93.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.91	0.33	0.01	0.01	0.23	0.24	0.01	0.06	0.07	—	789	789	0.04	0.13	0.04	827
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.16	5.16	< 0.005	< 0.005	0.01	5.23
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	43.2	43.2	< 0.005	0.01	0.04	45.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.85	0.85	< 0.005	< 0.005	< 0.005	0.87
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.15	7.15	< 0.005	< 0.005	0.01	7.51

3.2. Demolition (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.18	0.96	10.8	0.02	0.04	—	0.04	0.04	—	0.04	—	1,960	1,960	0.08	0.02	—	1,967
Demolition	—	—	—	—	—	—	0.73	0.73	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.59	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	107	107	< 0.005	< 0.005	—	108
Demolition	—	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	17.8	17.8	< 0.005	< 0.005	—	17.8
Demolition	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.36	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	92.8	92.8	< 0.005	< 0.005	0.01	93.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.91	0.33	0.01	0.01	0.23	0.24	0.01	0.06	0.07	—	789	789	0.04	0.13	0.04	827
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.16	5.16	< 0.005	< 0.005	0.01	5.23
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	43.2	43.2	< 0.005	0.01	0.04	45.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.85	0.85	< 0.005	< 0.005	< 0.005	0.87
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.15	7.15	< 0.005	< 0.005	0.01	7.51

3.3. Grading (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.61	1.35	11.8	13.9	0.02	0.52	—	0.52	0.47	—	0.47	—	2,456	2,456	0.10	0.02	—	2,465
Dust From Material Movement	—	—	—	—	—	—	2.77	2.77	—	1.34	1.34	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.61	1.35	11.8	13.9	0.02	0.52	—	0.52	0.47	—	0.47	—	2,456	2,456	0.10	0.02	—	2,465
Dust From Material Movement	—	—	—	—	—	—	2.77	2.77	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.16	1.39	1.64	< 0.005	0.06	—	0.06	0.06	—	0.06	—	289	289	0.01	< 0.005	—	290
Dust From Material Movement	—	—	—	—	—	—	0.33	0.33	—	0.16	0.16	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.25	0.30	< 0.005	0.01	—	0.01	0.01	—	0.01	—	47.9	47.9	< 0.005	< 0.005	—	48.1
Dust From Material Movement	—	—	—	—	—	—	0.06	0.06	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.56	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	131	131	< 0.005	< 0.005	0.37	132
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.39	0.08	7.02	2.62	0.04	0.09	1.81	1.90	0.09	0.50	0.58	—	6,307	6,307	0.30	1.01	12.9	6,627
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.04	0.48	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	124	124	< 0.005	< 0.005	0.01	125
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.38	0.08	7.28	2.64	0.04	0.09	1.81	1.90	0.09	0.50	0.58	—	6,308	6,308	0.30	1.01	0.33	6,616
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	14.8	14.8	< 0.005	< 0.005	0.02	15.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.87	0.31	0.01	0.01	0.21	0.22	0.01	0.06	0.07	—	743	743	0.04	0.12	0.66	780
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.45	2.45	< 0.005	< 0.005	< 0.005	2.48
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.16	0.06	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	123	123	0.01	0.02	0.11	129

3.4. Grading (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.23	0.23	1.20	14.2	0.02	0.05	—	0.05	0.05	—	0.05	—	2,456	2,456	0.10	0.02	—	2,465
Dust From Material Movement	—	—	—	—	—	—	2.77	2.77	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.23	1.20	14.2	0.02	0.05	—	0.05	0.05	—	0.05	—	2,456	2,456	0.10	0.02	—	2,465
Dust From Material Movement	—	—	—	—	—	—	2.77	2.77	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.14	1.68	< 0.005	0.01	—	0.01	0.01	—	0.01	—	289	289	0.01	< 0.005	—	290
Dust From Material Movement	—	—	—	—	—	—	0.33	0.33	—	0.16	0.16	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.31	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	47.9	47.9	< 0.005	< 0.005	—	48.1

Dust From Material Movement	—	—	—	—	—	—	0.06	0.06	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.56	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	131	131	< 0.005	< 0.005	0.37	132
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.39	0.08	7.02	2.62	0.04	0.09	1.81	1.90	0.09	0.50	0.58	—	6,307	6,307	0.30	1.01	12.9	6,627
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.04	0.48	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	124	124	< 0.005	< 0.005	0.01	125
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.38	0.08	7.28	2.64	0.04	0.09	1.81	1.90	0.09	0.50	0.58	—	6,308	6,308	0.30	1.01	0.33	6,616
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	14.8	14.8	< 0.005	< 0.005	0.02	15.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.87	0.31	0.01	0.01	0.21	0.22	0.01	0.06	0.07	—	743	743	0.04	0.12	0.66	780
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.45	2.45	< 0.005	< 0.005	< 0.005	2.48
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.16	0.06	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	123	123	0.01	0.02	0.11	129

3.5. Building Construction (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.12	0.93	7.89	9.88	0.02	0.23	—	0.23	0.21	—	0.21	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.12	0.93	7.89	9.88	0.02	0.23	—	0.23	0.21	—	0.21	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.48	0.40	3.37	4.21	0.01	0.10	—	0.10	0.09	—	0.09	—	768	768	0.03	0.01	—	771
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.07	0.61	0.77	< 0.005	0.02	—	0.02	0.02	—	0.02	—	127	127	0.01	< 0.005	—	128
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.19	0.19	3.12	0.00	0.00	0.72	0.72	0.00	0.17	0.17	—	721	721	0.01	0.03	2.06	731
Vendor	0.05	0.02	0.83	0.40	0.01	0.01	0.22	0.23	0.01	0.06	0.07	—	785	785	0.03	0.11	1.99	821
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.19	0.21	2.65	0.00	0.00	0.72	0.72	0.00	0.17	0.17	—	684	684	0.01	0.03	0.05	692
Vendor	0.05	0.02	0.86	0.40	0.01	0.01	0.22	0.23	0.01	0.06	0.07	—	785	785	0.03	0.11	0.05	819
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.09	1.18	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	296	296	< 0.005	0.01	0.38	300
Vendor	0.02	0.01	0.37	0.17	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	335	335	0.01	0.05	0.36	350
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.02	0.22	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	49.0	49.0	< 0.005	< 0.005	0.06	49.6
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	55.5	55.5	< 0.005	0.01	0.06	57.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Building Construction (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.15	0.13	0.95	2.84	< 0.005	0.04	—	0.04	0.03	—	0.03	—	436	436	0.02	< 0.005	—	437
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	0.95	2.84	< 0.005	0.04	—	0.04	0.03	—	0.03	—	436	436	0.02	< 0.005	—	437
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.06	0.40	1.21	< 0.005	0.02	—	0.02	0.01	—	0.01	—	186	186	0.01	< 0.005	—	187
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.22	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	30.8	30.8	< 0.005	< 0.005	—	30.9
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.19	0.19	3.12	0.00	0.00	0.72	0.72	0.00	0.17	0.17	—	721	721	0.01	0.03	2.06	731
Vendor	0.05	0.02	0.83	0.40	0.01	0.01	0.22	0.23	0.01	0.06	0.07	—	785	785	0.03	0.11	1.99	821
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.19	0.21	2.65	0.00	0.00	0.72	0.72	0.00	0.17	0.17	—	684	684	0.01	0.03	0.05	692
Vendor	0.05	0.02	0.86	0.40	0.01	0.01	0.22	0.23	0.01	0.06	0.07	—	785	785	0.03	0.11	0.05	819
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.09	1.18	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	296	296	< 0.005	0.01	0.38	300
Vendor	0.02	0.01	0.37	0.17	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	335	335	0.01	0.05	0.36	350
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.02	0.22	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	49.0	49.0	< 0.005	< 0.005	0.06	49.6
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	55.5	55.5	< 0.005	0.01	0.06	57.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07	0.89	7.62	9.82	0.02	0.21	—	0.21	0.19	—	0.19	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	1.07	0.89	7.62	9.82	0.02	0.21	—	0.21	0.19	—	0.19	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.55	0.46	3.91	5.04	0.01	0.11	—	0.11	0.10	—	0.10	—	923	923	0.04	0.01	—	927
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	0.71	0.92	< 0.005	0.02	—	0.02	0.02	—	0.02	—	153	153	0.01	< 0.005	—	153
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.18	0.16	2.92	0.00	0.00	0.72	0.72	0.00	0.17	0.17	—	709	709	0.01	0.03	1.84	719
Vendor	0.05	0.02	0.79	0.38	0.01	0.01	0.22	0.23	0.01	0.06	0.07	—	764	764	0.03	0.11	1.87	800
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.18	0.19	2.47	0.00	0.00	0.72	0.72	0.00	0.17	0.17	—	672	672	0.01	0.03	0.05	680
Vendor	0.05	0.02	0.82	0.39	0.01	0.01	0.22	0.23	0.01	0.06	0.07	—	765	765	0.03	0.11	0.05	799
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.09	0.09	0.10	1.33	0.00	0.00	0.37	0.37	0.00	0.09	0.09	—	350	350	< 0.005	0.01	0.41	354
Vendor	0.03	0.01	0.42	0.20	< 0.005	< 0.005	0.11	0.12	< 0.005	0.03	0.03	—	392	392	0.01	0.06	0.41	410
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.24	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	57.9	57.9	< 0.005	< 0.005	0.07	58.7
Vendor	< 0.005	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	64.9	64.9	< 0.005	0.01	0.07	67.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2029) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	0.94	2.84	< 0.005	0.04	—	0.04	0.03	—	0.03	—	436	436	0.02	< 0.005	—	437
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	0.94	2.84	< 0.005	0.04	—	0.04	0.03	—	0.03	—	436	436	0.02	< 0.005	—	437
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.08	0.07	0.48	1.46	< 0.005	0.02	—	0.02	0.02	—	0.02	—	223	223	0.01	< 0.005	—	224
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.09	0.27	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	37.0	37.0	< 0.005	< 0.005	—	37.1
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.18	0.16	2.92	0.00	0.00	0.72	0.72	0.00	0.17	0.17	—	709	709	0.01	0.03	1.84	719
Vendor	0.05	0.02	0.79	0.38	0.01	0.01	0.22	0.23	0.01	0.06	0.07	—	764	764	0.03	0.11	1.87	800
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.18	0.19	2.47	0.00	0.00	0.72	0.72	0.00	0.17	0.17	—	672	672	0.01	0.03	0.05	680
Vendor	0.05	0.02	0.82	0.39	0.01	0.01	0.22	0.23	0.01	0.06	0.07	—	765	765	0.03	0.11	0.05	799
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.09	0.10	1.33	0.00	0.00	0.37	0.37	0.00	0.09	0.09	—	350	350	< 0.005	0.01	0.41	354
Vendor	0.03	0.01	0.42	0.20	< 0.005	< 0.005	0.11	0.12	< 0.005	0.03	0.03	—	392	392	0.01	0.06	0.41	410
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.24	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	57.9	57.9	< 0.005	< 0.005	0.07	58.7
Vendor	< 0.005	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	64.9	64.9	< 0.005	0.01	0.07	67.8

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.51	0.42	4.03	6.48	0.01	0.14	—	0.14	0.13	—	0.13	—	991	991	0.04	0.01	—	994
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.34	0.55	< 0.005	0.01	—	0.01	0.01	—	0.01	—	83.4	83.4	< 0.005	< 0.005	—	83.7
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.8	13.8	< 0.005	< 0.005	—	13.9
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.56	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	152	152	< 0.005	0.01	0.01	154
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	13.0	13.0	< 0.005	< 0.005	0.02	13.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.15	2.15	< 0.005	< 0.005	< 0.005	2.18
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Paving (2029) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.15	0.14	1.30	6.89	0.01	0.03	—	0.03	0.03	—	0.03	—	991	991	0.04	0.01	—	994
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.01	0.01	0.11	0.58	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	83.4	83.4	< 0.005	< 0.005	—	83.7
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	< 0.005	< 0.005	0.02	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.8	13.8	< 0.005	< 0.005	—	13.9
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.56	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	152	152	< 0.005	0.01	0.01	154
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	13.0	13.0	< 0.005	< 0.005	0.02	13.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.15	2.15	< 0.005	< 0.005	< 0.005	2.18
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Paving (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49	0.41	3.94	6.47	0.01	0.13	—	0.13	0.12	—	0.12	—	991	991	0.04	0.01	—	994
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.13	0.22	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	33.0	33.0	< 0.005	< 0.005	—	33.1
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.46	5.46	< 0.005	< 0.005	—	5.48
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.52	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	150	150	< 0.005	0.01	0.01	151
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.05	5.05	< 0.005	< 0.005	0.01	5.12
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.84	0.84	< 0.005	< 0.005	< 0.005	0.85
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Paving (2030) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.14	1.30	6.89	0.01	0.03	—	0.03	0.03	—	0.03	—	991	991	0.04	0.01	—	994
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.04	0.23	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	33.0	33.0	< 0.005	< 0.005	—	33.1
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.46	5.46	< 0.005	< 0.005	—	5.48
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.52	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	150	150	< 0.005	0.01	0.01	151
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.05	5.05	< 0.005	< 0.005	0.01	5.12
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.84	0.84	< 0.005	< 0.005	< 0.005	0.85
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Architectural Coating (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.79	1.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134

Architectural Coating	27.4	27.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.79	1.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	27.4	27.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.09	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.4	15.4	< 0.005	< 0.005	—	15.4
Architectural Coatings	3.15	3.15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.54	2.54	< 0.005	< 0.005	—	2.55

Architectural Coatings	0.57	0.57	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.58	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	142	142	< 0.005	0.01	0.37	144
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.49	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	134	134	< 0.005	0.01	0.01	136
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.7	15.7	< 0.005	< 0.005	0.02	15.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.60	2.60	< 0.005	< 0.005	< 0.005	2.63
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Architectural Coating (2029) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	27.4	27.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	27.4	27.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.07	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.4	15.4	< 0.005	< 0.005	—	15.4
Architectural Coatings	3.15	3.15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.54	2.54	< 0.005	< 0.005	—	2.55
Architectural Coatings	0.57	0.57	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.58	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	142	142	< 0.005	0.01	0.37	144
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.49	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	134	134	< 0.005	0.01	0.01	136
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.7	15.7	< 0.005	< 0.005	0.02	15.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.60	2.60	< 0.005	< 0.005	< 0.005	2.63

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	3/1/2028	3/28/2028	5.00	20.0	—
Grading	Grading	3/29/2028	5/27/2028	5.00	43.0	—
Building Construction	Building Construction	5/28/2028	9/19/2029	5.00	343	—
Paving	Paving	11/19/2029	1/17/2030	5.00	44.0	—
Architectural Coating	Architectural Coating	9/20/2029	11/18/2029	5.00	42.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Demolition	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	7.00	84.0	0.37
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Building Construction	Cranes	Diesel	Average	1.00	6.00	367	0.29
Building Construction	Forklifts	Diesel	Average	1.00	6.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	6.00	84.0	0.37
Building Construction	Welders	Diesel	Average	3.00	8.00	46.0	0.45
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Paving	Pavers	Diesel	Average	1.00	6.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	1.00	7.00	36.0	0.38
Paving	Cement and Mortar Mixers	Diesel	Average	1.00	6.00	10.0	0.56
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37

Demolition	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Grading	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	7.00	84.0	0.37
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Building Construction	Cranes	Electric	Average	1.00	6.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	1.00	6.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	6.00	84.0	0.37
Building Construction	Welders	Electric	Average	3.00	8.00	46.0	0.45
Paving	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Paving	Pavers	Diesel	Tier 4 Final	1.00	6.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	1.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Tier 4 Final	1.00	7.00	36.0	0.38
Paving	Cement and Mortar Mixers	Diesel	Average	1.00	6.00	10.0	0.56
Architectural Coating	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	7.50	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	8.00	30.5	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—

Grading	Worker	10.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	64.0	30.5	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	55.3	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	26.3	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	12.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	11.1	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	7.50	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	8.00	30.5	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—

Grading	Worker	10.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	64.0	30.5	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	55.3	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	26.3	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	12.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	11.1	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	183,917	60,769	3,222

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	1,060	—
Grading	—	25,430	43.0	0.00	—
Paving	0.00	0.00	0.00	0.00	0.13

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
General Office Building	0.00	0%
Enclosed Parking with Elevator	0.00	0%
Other Non-Asphalt Surfaces	0.13	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2028	0.00	532	0.03	< 0.005
2029	0.00	532	0.03	< 0.005
2030	0.00	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	6.58	annual days of extreme heat
Extreme Precipitation	4.40	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	32.1

AQ-PM	84.1
AQ-DPM	81.1
Drinking Water	50.7
Lead Risk Housing	93.2
Pesticides	0.00
Toxic Releases	97.9
Traffic	88.7
Effect Indicators	—
CleanUp Sites	43.2
Groundwater	65.3
Haz Waste Facilities/Generators	92.3
Impaired Water Bodies	66.7
Solid Waste	39.0
Sensitive Population	—
Asthma	96.0
Cardio-vascular	97.1
Low Birth Weights	87.6
Socioeconomic Factor Indicators	—
Education	91.3
Housing	68.5
Linguistic	74.8
Poverty	92.6
Unemployment	94.3

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—

Above Poverty	6.865135378
Employed	7.583728988
Median HI	20.41575773
Education	—
Bachelor's or higher	18.24714487
High school enrollment	100
Preschool enrollment	23.40562043
Transportation	—
Auto Access	19.3763634
Active commuting	78.62184011
Social	—
2-parent households	6.262030027
Voting	28.26895932
Neighborhood	—
Alcohol availability	17.00243809
Park access	81.35506224
Retail density	48.58206082
Supermarket access	75.02887206
Tree canopy	58.18041832
Housing	—
Homeownership	27.34505325
Housing habitability	10.48376748
Low-inc homeowner severe housing cost burden	18.96573848
Low-inc renter severe housing cost burden	20.28743744
Uncrowded housing	13.93558322
Health Outcomes	—
Insured adults	15.88605158
Arthritis	0.0

Asthma ER Admissions	11.0
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	6.0
Cognitively Disabled	28.0
Physically Disabled	18.0
Heart Attack ER Admissions	25.5
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	96.4
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	3.5
Elderly	97.2
English Speaking	31.4
Foreign-born	52.8

Outdoor Workers	74.3
Climate Change Adaptive Capacity	—
Impervious Surface Cover	32.8
Traffic Density	95.7
Traffic Access	87.4
Other Indices	—
Hardship	86.8
Other Decision Support	—
2016 Voting	9.5

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	99.0
Healthy Places Index Score for Project Location (b)	10.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	see construction assumptions
Construction: Construction Phases	see construction assumptions
Construction: Trips and VMT	see construction assumptions
Construction: Paving	see construction assumptions
Construction: Architectural Coatings	See project assumptions.
Construction: Off-Road Equipment	updated equipment list, see assumption sheet
Construction: Dust From Material Movement	updated values, see assumptions sheet

CMWC P-5 Con Mit Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

3. Construction Emissions Details

3.1. Demolition (2028) - Unmitigated

3.2. Demolition (2028) - Mitigated

3.3. Grading (2028) - Unmitigated

3.4. Grading (2028) - Mitigated

3.5. Building Construction (2028) - Unmitigated

3.6. Building Construction (2028) - Mitigated

3.7. Building Construction (2029) - Unmitigated

3.8. Building Construction (2029) - Mitigated

3.9. Paving (2029) - Unmitigated

3.10. Paving (2029) - Mitigated

3.11. Architectural Coating (2029) - Unmitigated

3.12. Architectural Coating (2029) - Mitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	CMWC P-5 Con Mit
Construction Start Date	3/1/2028
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.20
Precipitation (days)	17.8
Location	1667 E 118th St, Los Angeles, CA 90059, USA
County	Los Angeles-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4210
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.26

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	70.0	Dwelling Unit	0.26	67,500	0.00	—	207	—

Other Non-Asphalt Surfaces	24.3	1000sqft	0.53	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	19.9	19.9	10.9	10.9	0.03	0.40	2.80	3.20	0.37	1.20	1.57	—	3,981	3,981	0.17	0.36	4.70	4,098
Mit.	19.8	19.8	3.28	11.1	0.03	0.06	2.80	2.86	0.06	1.20	1.26	—	3,981	3,981	0.17	0.36	4.70	4,098
% Reduced	1%	< 0.5%	70%	-2%	—	85%	—	11%	84%	—	20%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.32	1.03	11.0	10.9	0.03	0.40	2.80	3.20	0.37	1.20	1.57	—	3,977	3,977	0.17	0.36	0.12	4,089
Mit.	0.33	0.30	3.37	11.1	0.03	0.06	2.80	2.86	0.06	1.20	1.26	—	3,977	3,977	0.17	0.36	0.12	4,089
% Reduced	75%	71%	69%	-2%	—	85%	—	11%	84%	—	20%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.39	1.37	3.12	5.52	0.01	0.10	0.54	0.64	0.09	0.16	0.25	—	1,349	1,349	0.05	0.06	0.66	1,368
Mit.	1.28	1.28	0.77	6.12	0.01	0.02	0.54	0.56	0.02	0.16	0.18	—	1,349	1,349	0.05	0.06	0.66	1,368

% Reduced	8%	7%	75%	-11%	—	83%	—	13%	81%	—	30%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.25	0.25	0.57	1.01	< 0.005	0.02	0.10	0.12	0.02	0.03	0.05	—	223	223	0.01	0.01	0.11	226
Mit.	0.23	0.23	0.14	1.12	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	223	223	0.01	0.01	0.11	226
% Reduced	8%	7%	75%	-11%	—	83%	—	13%	81%	—	30%	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	1.32	1.03	10.9	10.9	0.03	0.40	2.80	3.20	0.37	1.20	1.57	—	3,981	3,981	0.17	0.36	4.70	4,098
2029	19.9	19.9	4.49	9.66	0.01	0.15	0.72	0.86	0.14	0.17	0.30	—	2,168	2,168	0.07	0.07	2.21	2,192
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	1.32	1.03	11.0	10.9	0.03	0.40	2.80	3.20	0.37	1.20	1.57	—	3,977	3,977	0.17	0.36	0.12	4,089
2029	0.71	0.62	4.52	9.25	0.01	0.14	0.72	0.86	0.13	0.17	0.30	—	2,135	2,135	0.07	0.07	0.06	2,156
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.47	0.39	3.12	5.52	0.01	0.10	0.54	0.64	0.09	0.16	0.25	—	1,349	1,349	0.05	0.06	0.66	1,368
2029	1.39	1.37	1.28	2.52	< 0.005	0.04	0.18	0.22	0.04	0.04	0.08	—	548	548	0.02	0.02	0.23	553
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.08	0.07	0.57	1.01	< 0.005	0.02	0.10	0.12	0.02	0.03	0.05	—	223	223	0.01	0.01	0.11	226
2029	0.25	0.25	0.23	0.46	< 0.005	0.01	0.03	0.04	0.01	0.01	0.01	—	90.7	90.7	< 0.005	< 0.005	0.04	91.6

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.33	0.30	3.28	11.1	0.03	0.06	2.80	2.86	0.06	1.20	1.26	—	3,981	3,981	0.17	0.36	4.70	4,098
2029	19.8	19.8	2.14	10.9	0.01	0.06	0.72	0.75	0.06	0.17	0.20	—	2,168	2,168	0.07	0.07	2.21	2,192
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.33	0.30	3.37	11.1	0.03	0.06	2.80	2.86	0.06	1.20	1.26	—	3,977	3,977	0.17	0.36	0.12	4,089
2029	0.30	0.29	1.05	10.5	0.01	0.03	0.72	0.75	0.03	0.17	0.20	—	2,135	2,135	0.07	0.07	0.06	2,156
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.19	0.16	0.77	6.12	0.01	0.02	0.54	0.56	0.02	0.16	0.18	—	1,349	1,349	0.05	0.06	0.66	1,368
2029	1.28	1.28	0.40	2.79	< 0.005	0.01	0.18	0.19	0.01	0.04	0.05	—	548	548	0.02	0.02	0.23	553
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.03	0.03	0.14	1.12	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	223	223	0.01	0.01	0.11	226
2029	0.23	0.23	0.07	0.51	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	90.7	90.7	< 0.005	< 0.005	0.04	91.6

3. Construction Emissions Details

3.1. Demolition (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.30	0.25	2.42	3.74	0.01	0.08	—	0.08	0.08	—	0.08	—	608	608	0.02	< 0.005	—	610
Demolition	—	—	—	—	—	—	0.23	0.23	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.13	0.20	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	33.3	33.3	< 0.005	< 0.005	—	33.4
Demolition	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.51	5.51	< 0.005	< 0.005	—	5.53
Demolition	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.03	0.03	0.03	0.36	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	92.8	92.8	< 0.005	< 0.005	0.01	93.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.46	0.16	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04	—	394	394	0.02	0.06	0.02	414
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.16	5.16	< 0.005	< 0.005	0.01	5.23
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	21.6	21.6	< 0.005	< 0.005	0.02	22.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.85	0.85	< 0.005	< 0.005	< 0.005	0.87
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.58	3.58	< 0.005	< 0.005	< 0.005	3.75

3.2. Demolition (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.06	0.30	3.88	0.01	0.01	—	0.01	0.01	—	0.01	—	608	608	0.02	< 0.005	—	610
Demolition	—	—	—	—	—	—	0.23	0.23	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	33.3	33.3	< 0.005	< 0.005	—	33.4
Demolition	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.51	5.51	< 0.005	< 0.005	—	5.53
Demolition	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.36	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	92.8	92.8	< 0.005	< 0.005	0.01	93.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.46	0.16	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04	—	394	394	0.02	0.06	0.02	414
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.16	5.16	< 0.005	< 0.005	0.01	5.23
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	21.6	21.6	< 0.005	< 0.005	0.02	22.7

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.85	0.85	< 0.005	< 0.005	< 0.005	0.87
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.58	3.58	< 0.005	< 0.005	< 0.005	3.75

3.3. Grading (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.16	0.97	8.42	9.59	0.02	0.38	—	0.38	0.35	—	0.35	—	1,715	1,715	0.07	0.01	—	1,721
Dust From Material Movement	—	—	—	—	—	—	2.08	2.08	—	1.00	1.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.16	0.97	8.42	9.59	0.02	0.38	—	0.38	0.35	—	0.35	—	1,715	1,715	0.07	0.01	—	1,721
Dust From Material Movement	—	—	—	—	—	—	2.08	2.08	—	1.00	1.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.51	0.58	< 0.005	0.02	—	0.02	0.02	—	0.02	—	103	103	< 0.005	< 0.005	—	104
Dust From Material Movement	—	—	—	—	—	—	0.13	0.13	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.09	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	17.1	17.1	< 0.005	< 0.005	—	17.2
Dust From Material Movement	—	—	—	—	—	—	0.02	0.02	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.42	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	97.9	97.9	< 0.005	< 0.005	0.28	99.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.13	0.03	2.41	0.90	0.02	0.03	0.62	0.65	0.03	0.17	0.20	—	2,168	2,168	0.10	0.35	4.42	2,278
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.36	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	92.8	92.8	< 0.005	< 0.005	0.01	93.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.13	0.03	2.50	0.91	0.02	0.03	0.62	0.65	0.03	0.17	0.20	—	2,169	2,169	0.10	0.35	0.11	2,274
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.68	5.68	< 0.005	< 0.005	0.01	5.75
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.15	0.05	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	131	131	0.01	0.02	0.12	137
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.94	0.94	< 0.005	< 0.005	< 0.005	0.95
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	21.6	21.6	< 0.005	< 0.005	0.02	22.7

3.4. Grading (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.16	0.84	9.79	0.02	0.03	—	0.03	0.03	—	0.03	—	1,715	1,715	0.07	0.01	—	1,721
Dust From Material Movement	—	—	—	—	—	—	2.08	2.08	—	1.00	1.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.16	0.16	0.84	9.79	0.02	0.03	—	0.03	0.03	—	0.03	—	1,715	1,715	0.07	0.01	—	1,721
Dust From Material Movement	—	—	—	—	—	—	2.08	2.08	—	1.00	1.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.59	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	103	103	< 0.005	< 0.005	—	104
Dust From Material Movement	—	—	—	—	—	—	0.13	0.13	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	17.1	17.1	< 0.005	< 0.005	—	17.2
Dust From Material Movement	—	—	—	—	—	—	0.02	0.02	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.42	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	97.9	97.9	< 0.005	< 0.005	0.28	99.2

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.13	0.03	2.41	0.90	0.02	0.03	0.62	0.65	0.03	0.17	0.20	—	2,168	2,168	0.10	0.35	4.42	2,278
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.36	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	92.8	92.8	< 0.005	< 0.005	0.01	93.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.13	0.03	2.50	0.91	0.02	0.03	0.62	0.65	0.03	0.17	0.20	—	2,169	2,169	0.10	0.35	0.11	2,274
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.68	5.68	< 0.005	< 0.005	0.01	5.75
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.15	0.05	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	131	131	0.01	0.02	0.12	137
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.94	0.94	< 0.005	< 0.005	< 0.005	0.95
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	21.6	21.6	< 0.005	< 0.005	0.02	22.7

3.5. Building Construction (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.55	0.46	4.30	6.91	0.01	0.15	—	0.15	0.14	—	0.14	—	1,305	1,305	0.05	0.01	—	1,309
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.55	0.46	4.30	6.91	0.01	0.15	—	0.15	0.14	—	0.14	—	1,305	1,305	0.05	0.01	—	1,309
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	0.22	2.09	3.35	0.01	0.07	—	0.07	0.07	—	0.07	—	633	633	0.03	0.01	—	635
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.38	0.61	< 0.005	0.01	—	0.01	0.01	—	0.01	—	105	105	< 0.005	< 0.005	—	105
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.17	0.17	2.84	0.00	0.00	0.66	0.66	0.00	0.15	0.15	—	658	658	0.01	0.02	1.88	667
Vendor	0.02	0.01	0.24	0.11	< 0.005	< 0.005	0.06	0.07	< 0.005	0.02	0.02	—	223	223	0.01	0.03	0.57	234
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.17	0.20	2.42	0.00	0.00	0.66	0.66	0.00	0.15	0.15	—	624	624	0.01	0.02	0.05	631

Vendor	0.01	< 0.005	0.25	0.11	< 0.005	< 0.005	0.06	0.07	< 0.005	0.02	0.02	—	224	224	0.01	0.03	0.01	233
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.09	1.23	0.00	0.00	0.32	0.32	0.00	0.07	0.07	—	307	307	< 0.005	0.01	0.39	311
Vendor	0.01	< 0.005	0.12	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	108	108	< 0.005	0.02	0.12	113
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.22	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	50.9	50.9	< 0.005	< 0.005	0.07	51.5
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	18.0	18.0	< 0.005	< 0.005	0.02	18.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Building Construction (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.12	0.64	8.10	0.01	0.02	—	0.02	0.02	—	0.02	—	1,305	1,305	0.05	0.01	—	1,309
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.12	0.64	8.10	0.01	0.02	—	0.02	0.02	—	0.02	—	1,305	1,305	0.05	0.01	—	1,309

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.06	0.31	3.93	0.01	0.01	—	0.01	0.01	—	0.01	—	633	633	0.03	0.01	—	635
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.72	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	105	105	< 0.005	< 0.005	—	105
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.17	0.17	2.84	0.00	0.00	0.66	0.66	0.00	0.15	0.15	—	658	658	0.01	0.02	1.88	667
Vendor	0.02	0.01	0.24	0.11	< 0.005	< 0.005	0.06	0.07	< 0.005	0.02	0.02	—	223	223	0.01	0.03	0.57	234
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.17	0.20	2.42	0.00	0.00	0.66	0.66	0.00	0.15	0.15	—	624	624	0.01	0.02	0.05	631
Vendor	0.01	< 0.005	0.25	0.11	< 0.005	< 0.005	0.06	0.07	< 0.005	0.02	0.02	—	224	224	0.01	0.03	0.01	233
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.09	1.23	0.00	0.00	0.32	0.32	0.00	0.07	0.07	—	307	307	< 0.005	0.01	0.39	311
Vendor	0.01	< 0.005	0.12	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	108	108	< 0.005	0.02	0.12	113

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.22	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	50.9	50.9	< 0.005	< 0.005	0.07	51.5
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	18.0	18.0	< 0.005	< 0.005	0.02	18.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.53	0.45	4.11	6.89	0.01	0.14	—	0.14	0.13	—	0.13	—	1,304	1,304	0.05	0.01	—	1,309
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.53	0.45	4.11	6.89	0.01	0.14	—	0.14	0.13	—	0.13	—	1,304	1,304	0.05	0.01	—	1,309
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.90	1.51	< 0.005	0.03	—	0.03	0.03	—	0.03	—	286	286	0.01	< 0.005	—	287

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.16	0.28	< 0.005	0.01	—	0.01	0.01	—	0.01	—	47.3	47.3	< 0.005	< 0.005	—	47.5
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.17	0.15	2.66	0.00	0.00	0.66	0.66	0.00	0.15	0.15	—	647	647	0.01	0.02	1.68	656
Vendor	0.02	0.01	0.22	0.11	< 0.005	< 0.005	0.06	0.07	< 0.005	0.02	0.02	—	218	218	0.01	0.03	0.53	228
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.16	0.17	2.25	0.00	0.00	0.66	0.66	0.00	0.15	0.15	—	613	613	0.01	0.02	0.04	620
Vendor	0.01	< 0.005	0.23	0.11	< 0.005	< 0.005	0.06	0.07	< 0.005	0.02	0.02	—	218	218	0.01	0.03	0.01	227
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.52	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	136	136	< 0.005	0.01	0.16	138
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	47.7	47.7	< 0.005	0.01	0.05	49.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	22.6	22.6	< 0.005	< 0.005	0.03	22.9
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.90	7.90	< 0.005	< 0.005	0.01	8.25
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2029) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.12	0.64	8.10	0.01	0.02	—	0.02	0.02	—	0.02	—	1,304	1,304	0.05	0.01	—	1,309
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.12	0.64	8.10	0.01	0.02	—	0.02	0.02	—	0.02	—	1,304	1,304	0.05	0.01	—	1,309
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.14	1.78	< 0.005	0.01	—	0.01	0.01	—	0.01	—	286	286	0.01	< 0.005	—	287
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.32	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	47.3	47.3	< 0.005	< 0.005	—	47.5

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.17	0.15	2.66	0.00	0.00	0.66	0.66	0.00	0.15	0.15	—	647	647	0.01	0.02	1.68	656
Vendor	0.02	0.01	0.22	0.11	< 0.005	< 0.005	0.06	0.07	< 0.005	0.02	0.02	—	218	218	0.01	0.03	0.53	228
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.16	0.17	2.25	0.00	0.00	0.66	0.66	0.00	0.15	0.15	—	613	613	0.01	0.02	0.04	620
Vendor	0.01	< 0.005	0.23	0.11	< 0.005	< 0.005	0.06	0.07	< 0.005	0.02	0.02	—	218	218	0.01	0.03	0.01	227
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.52	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	136	136	< 0.005	0.01	0.16	138
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	47.7	47.7	< 0.005	0.01	0.05	49.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	22.6	22.6	< 0.005	< 0.005	0.03	22.9
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.90	7.90	< 0.005	< 0.005	0.01	8.25
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.55	0.46	3.98	5.31	0.01	0.15	—	0.15	0.14	—	0.14	—	823	823	0.03	0.01	—	826
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.24	0.32	< 0.005	0.01	—	0.01	0.01	—	0.01	—	49.6	49.6	< 0.005	< 0.005	—	49.8
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.21	8.21	< 0.005	< 0.005	—	8.24
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.05	0.92	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	225	225	< 0.005	0.01	0.58	228

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	13.0	13.0	< 0.005	< 0.005	0.02	13.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.16	2.16	< 0.005	< 0.005	< 0.005	2.18
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Paving (2029) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	0.23	2.08	5.55	0.01	0.06	—	0.06	0.06	—	0.06	—	823	823	0.03	0.01	—	826
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.13	0.33	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	49.6	49.6	< 0.005	< 0.005	—	49.8
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.21	8.21	< 0.005	< 0.005	—	8.24
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.05	0.92	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	225	225	< 0.005	0.01	0.58	228
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	13.0	13.0	< 0.005	< 0.005	0.02	13.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.16	2.16	< 0.005	< 0.005	< 0.005	2.18

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Architectural Coating (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.79	1.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	19.8	19.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.05	8.05	< 0.005	< 0.005	—	8.07
Architectural Coatings	1.19	1.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.33	1.33	< 0.005	< 0.005	—	1.34
Architectural Coatings	0.22	0.22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.53	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	129	129	< 0.005	< 0.005	0.34	131
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.50	7.50	< 0.005	< 0.005	0.01	7.60
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.24	1.24	< 0.005	< 0.005	< 0.005	1.26
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Architectural Coating (2029) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	19.8	19.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.05	8.05	< 0.005	< 0.005	—	8.07
Architectural Coatings	1.19	1.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.33	1.33	< 0.005	< 0.005	—	1.34

Architectural	0.22	0.22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.53	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	129	129	< 0.005	< 0.005	0.34	131
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.50	7.50	< 0.005	< 0.005	0.01	7.60
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.24	1.24	< 0.005	< 0.005	< 0.005	1.26
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	3/1/2028	3/28/2028	5.00	20.0	—
Grading	Grading	3/29/2028	4/27/2028	5.00	22.0	—
Building Construction	Building Construction	4/28/2028	4/22/2029	5.00	256	—
Paving	Paving	5/23/2029	6/21/2029	5.00	22.0	—
Architectural Coating	Architectural Coating	4/23/2029	5/22/2029	5.00	22.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	2.00	6.00	84.0	0.37
Demolition	Rubber Tired Dozers	Diesel	Average	1.00	1.00	367	0.40
Grading	Graders	Diesel	Average	1.00	6.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	6.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37

Building Construction	Cranes	Diesel	Average	1.00	4.00	367	0.29
Building Construction	Forklifts	Diesel	Average	2.00	6.00	82.0	0.20
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Paving	Cement and Mortar Mixers	Diesel	Average	4.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Average	1.00	7.00	81.0	0.42
Paving	Rollers	Diesel	Average	1.00	7.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	6.00	84.0	0.37
Demolition	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	1.00	367	0.40
Grading	Graders	Diesel	Tier 4 Final	1.00	6.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	6.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	7.00	84.0	0.37
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	4.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	2.00	6.00	82.0	0.20
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Paving	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	7.00	84.0	0.37
Paving	Cement and Mortar Mixers	Diesel	Average	4.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Tier 4 Final	1.00	7.00	81.0	0.42
Paving	Rollers	Diesel	Tier 4 Final	1.00	7.00	36.0	0.38

Architectural Coating	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	7.50	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	4.00	30.5	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	7.50	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	22.0	30.5	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	50.4	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	7.48	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	17.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	10.1	18.5	LDA,LDT1,LDT2

Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	7.50	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	4.00	30.5	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	7.50	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	22.0	30.5	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	50.4	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	7.48	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	17.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	10.1	18.5	LDA,LDT1,LDT2

Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	136,688	45,563	1,094	122	1,458

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	340	—
Grading	—	5,770	16.5	0.00	—
Paving	0.00	0.00	0.00	0.00	0.08

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Mid Rise	0.00	0%
Other Non-Asphalt Surfaces	0.08	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2028	0.00	532	0.03	< 0.005
2029	0.00	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	6.58	annual days of extreme heat
Extreme Precipitation	4.40	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	32.1
AQ-PM	84.1
AQ-DPM	81.1
Drinking Water	50.7
Lead Risk Housing	93.2
Pesticides	0.00
Toxic Releases	97.9
Traffic	88.7
Effect Indicators	—
CleanUp Sites	43.2
Groundwater	65.3
Haz Waste Facilities/Generators	92.3
Impaired Water Bodies	66.7
Solid Waste	39.0
Sensitive Population	—
Asthma	96.0
Cardio-vascular	97.1
Low Birth Weights	87.6
Socioeconomic Factor Indicators	—

Education	91.3
Housing	68.5
Linguistic	74.8
Poverty	92.6
Unemployment	94.3

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	6.865135378
Employed	7.583728988
Median HI	20.41575773
Education	—
Bachelor's or higher	18.24714487
High school enrollment	100
Preschool enrollment	23.40562043
Transportation	—
Auto Access	19.3763634
Active commuting	78.62184011
Social	—
2-parent households	6.262030027
Voting	28.26895932
Neighborhood	—
Alcohol availability	17.00243809
Park access	81.35506224
Retail density	48.58206082
Supermarket access	75.02887206

Tree canopy	58.18041832
Housing	—
Homeownership	27.34505325
Housing habitability	10.48376748
Low-inc homeowner severe housing cost burden	18.96573848
Low-inc renter severe housing cost burden	20.28743744
Uncrowded housing	13.93558322
Health Outcomes	—
Insured adults	15.88605158
Arthritis	0.0
Asthma ER Admissions	11.0
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	6.0
Cognitively Disabled	28.0
Physically Disabled	18.0
Heart Attack ER Admissions	25.5
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	96.4
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—

Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	3.5
Elderly	97.2
English Speaking	31.4
Foreign-born	52.8
Outdoor Workers	74.3
Climate Change Adaptive Capacity	—
Impervious Surface Cover	32.8
Traffic Density	95.7
Traffic Access	87.4
Other Indices	—
Hardship	86.8
Other Decision Support	—
2016 Voting	9.5

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	99.0
Healthy Places Index Score for Project Location (b)	10.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	See project assumptions
Construction: Construction Phases	See project assumptions
Construction: Trips and VMT	See project assumptions
Construction: Paving	See project assumptions
Construction: Architectural Coatings	See construction assumptions.
Construction: Off-Road Equipment	see assumptions sheet
Construction: Dust From Material Movement	see assumption sheet

CMWC P-6 Con Mit Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

3. Construction Emissions Details

3.1. Demolition (2030) - Unmitigated

3.2. Demolition (2030) - Mitigated

3.3. Grading (2030) - Unmitigated

3.4. Grading (2030) - Mitigated

3.5. Building Construction (2030) - Unmitigated

3.6. Building Construction (2030) - Mitigated

3.7. Building Construction (2031) - Unmitigated

3.8. Building Construction (2031) - Mitigated

3.9. Paving (2031) - Unmitigated

3.10. Paving (2031) - Mitigated

3.11. Architectural Coating (2031) - Unmitigated

3.12. Architectural Coating (2031) - Mitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	CMWC P-6 Con Mit
Construction Start Date	2/1/2030
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.20
Precipitation (days)	17.8
Location	1667 E 118th St, Los Angeles, CA 90059, USA
County	Los Angeles-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4210
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.26

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	53.0	Dwelling Unit	0.30	58,700	0.00	—	157	—

Enclosed Parking with Elevator	29.0	Space	0.10	14,500	0.00	—	—	—
Other Non-Asphalt Surfaces	14.6	1000sqft	0.32	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.83	8.81	7.83	10.4	0.02	0.29	2.44	2.72	0.26	1.12	1.39	—	2,852	2,852	0.12	0.25	2.90	2,933
Mit.	8.74	8.73	2.27	11.6	0.02	0.05	2.44	2.48	0.05	1.12	1.17	—	2,852	2,852	0.12	0.25	2.90	2,933
% Reduced	1%	1%	71%	-12%	—	84%	—	9%	83%	—	16%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.83	8.81	7.90	10.1	0.02	0.29	2.44	2.72	0.26	1.12	1.39	—	2,849	2,849	0.12	0.25	0.08	2,928
Mit.	8.73	8.73	2.34	11.3	0.02	0.06	2.44	2.48	0.06	1.12	1.17	—	2,849	2,849	0.12	0.25	0.08	2,928
% Reduced	1%	1%	70%	-12%	—	79%	—	9%	79%	—	16%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	1.50	1.42	3.80	6.00	0.01	0.13	0.63	0.76	0.12	0.21	0.33	—	1,471	1,471	0.05	0.07	0.55	1,492
Mit.	1.23	1.21	1.13	6.58	0.01	0.02	0.63	0.65	0.02	0.21	0.23	—	1,471	1,471	0.05	0.07	0.55	1,492
% Reduced	18%	15%	70%	-10%	—	84%	—	14%	83%	—	30%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.27	0.26	0.69	1.10	< 0.005	0.02	0.12	0.14	0.02	0.04	0.06	—	243	243	0.01	0.01	0.09	247
Mit.	0.22	0.22	0.21	1.20	< 0.005	< 0.005	0.12	0.12	< 0.005	0.04	0.04	—	243	243	0.01	0.01	0.09	247
% Reduced	18%	15%	70%	-10%	—	84%	—	14%	83%	—	30%	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	0.97	0.76	7.83	10.4	0.02	0.29	2.44	2.72	0.26	1.12	1.39	—	2,852	2,852	0.12	0.25	2.90	2,933
2031	8.83	8.81	5.39	10.2	0.02	0.17	0.65	0.82	0.16	0.15	0.32	—	2,245	2,245	0.07	0.05	1.67	2,263
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	0.97	0.75	7.90	10.1	0.02	0.29	2.44	2.72	0.26	1.12	1.39	—	2,849	2,849	0.12	0.25	0.08	2,928
2031	8.83	8.81	5.42	9.92	0.02	0.17	0.65	0.82	0.16	0.15	0.32	—	2,217	2,217	0.07	0.06	0.04	2,238
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	0.53	0.44	3.80	6.00	0.01	0.13	0.63	0.76	0.12	0.21	0.33	—	1,471	1,471	0.05	0.07	0.55	1,492
2031	1.50	1.42	3.06	5.51	0.01	0.10	0.34	0.43	0.09	0.08	0.17	—	1,179	1,179	0.04	0.03	0.37	1,190
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	0.10	0.08	0.69	1.10	< 0.005	0.02	0.12	0.14	0.02	0.04	0.06	—	243	243	0.01	0.01	0.09	247
2031	0.27	0.26	0.56	1.00	< 0.005	0.02	0.06	0.08	0.02	0.01	0.03	—	195	195	0.01	0.01	0.06	197

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	0.30	0.29	2.27	11.6	0.02	0.05	2.44	2.48	0.05	1.12	1.17	—	2,852	2,852	0.12	0.25	2.90	2,933
2031	8.74	8.73	1.65	11.5	0.02	0.03	0.65	0.68	0.03	0.15	0.18	—	2,245	2,245	0.07	0.05	1.67	2,263
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	0.30	0.29	2.34	11.3	0.02	0.05	2.44	2.48	0.05	1.12	1.17	—	2,849	2,849	0.12	0.25	0.08	2,928
2031	8.73	8.73	2.14	11.2	0.02	0.06	0.65	0.68	0.06	0.15	0.18	—	2,217	2,217	0.07	0.06	0.04	2,238
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	0.18	0.16	1.13	6.58	0.01	0.02	0.63	0.65	0.02	0.21	0.23	—	1,471	1,471	0.05	0.07	0.55	1,492
2031	1.23	1.21	1.11	6.09	0.01	0.02	0.34	0.36	0.02	0.08	0.10	—	1,179	1,179	0.04	0.03	0.37	1,190
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	0.03	0.03	0.21	1.20	< 0.005	< 0.005	0.12	0.12	< 0.005	0.04	0.04	—	243	243	0.01	0.01	0.09	247
2031	0.22	0.22	0.20	1.11	< 0.005	< 0.005	0.06	0.07	< 0.005	0.01	0.02	—	195	195	0.01	0.01	0.06	197

3. Construction Emissions Details

3.1. Demolition (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	0.24	2.28	3.74	0.01	0.07	—	0.07	0.07	—	0.07	—	607	607	0.02	< 0.005	—	610
Demolition	—	—	—	—	—	—	0.38	0.38	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.13	0.22	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	35.0	35.0	< 0.005	< 0.005	—	35.1
Demolition	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.79	5.79	< 0.005	< 0.005	—	5.81
Demolition	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.02	0.02	0.02	0.31	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	89.8	89.8	< 0.005	< 0.005	0.01	90.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.42	0.16	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04	—	375	375	0.02	0.06	0.02	394
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.24	5.24	< 0.005	< 0.005	0.01	5.31
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	21.6	21.6	< 0.005	< 0.005	0.02	22.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.87	0.87	< 0.005	< 0.005	< 0.005	0.88
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.58	3.58	< 0.005	< 0.005	< 0.005	3.75

3.2. Demolition (2030) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.06	0.30	3.88	0.01	0.01	—	0.01	0.01	—	0.01	—	607	607	0.02	< 0.005	—	610
Demolition	—	—	—	—	—	—	0.38	0.38	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.22	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	35.0	35.0	< 0.005	< 0.005	—	35.1
Demolition	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.79	5.79	< 0.005	< 0.005	—	5.81
Demolition	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.31	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	89.8	89.8	< 0.005	< 0.005	0.01	90.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.42	0.16	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04	—	375	375	0.02	0.06	0.02	394
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.24	5.24	< 0.005	< 0.005	0.01	5.31
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	21.6	21.6	< 0.005	< 0.005	0.02	22.7

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.87	0.87	< 0.005	< 0.005	< 0.005	0.88
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.58	3.58	< 0.005	< 0.005	< 0.005	3.75

3.3. Grading (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.85	0.72	6.19	6.87	0.01	0.26	—	0.26	0.24	—	0.24	—	1,288	1,288	0.05	0.01	—	1,292
Dust From Material Movement	—	—	—	—	—	—	1.92	1.92	—	0.99	0.99	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.85	0.72	6.19	6.87	0.01	0.26	—	0.26	0.24	—	0.24	—	1,288	1,288	0.05	0.01	—	1,292
Dust From Material Movement	—	—	—	—	—	—	1.92	1.92	—	0.99	0.99	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.09	0.75	0.83	< 0.005	0.03	—	0.03	0.03	—	0.03	—	155	155	0.01	< 0.005	—	156
Dust From Material Movement	—	—	—	—	—	—	0.23	0.23	—	0.12	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.14	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	25.7	25.7	< 0.005	< 0.005	—	25.8
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.25	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	63.1	63.1	< 0.005	< 0.005	0.15	64.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.63	0.62	0.01	0.02	0.45	0.47	0.02	0.12	0.15	—	1,501	1,501	0.06	0.24	2.75	1,577
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.21	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	59.8	59.8	< 0.005	< 0.005	< 0.005	60.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.10	0.02	1.70	0.63	0.01	0.02	0.45	0.47	0.02	0.12	0.15	—	1,502	1,502	0.06	0.24	0.07	1,575
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.32	7.32	< 0.005	< 0.005	0.01	7.41
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.21	0.08	< 0.005	< 0.005	0.05	0.06	< 0.005	0.01	0.02	—	181	181	0.01	0.03	0.14	190
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.21	1.21	< 0.005	< 0.005	< 0.005	1.23
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	30.0	30.0	< 0.005	< 0.005	0.02	31.5

3.4. Grading (2030) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.12	0.63	6.82	0.01	0.02	—	0.02	0.02	—	0.02	—	1,288	1,288	0.05	0.01	—	1,292
Dust From Material Movement	—	—	—	—	—	—	1.92	1.92	—	0.99	0.99	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.12	0.12	0.63	6.82	0.01	0.02	—	0.02	0.02	—	0.02	—	1,288	1,288	0.05	0.01	—	1,292
Dust From Material Movement	—	—	—	—	—	—	1.92	1.92	—	0.99	0.99	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.82	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	155	155	0.01	< 0.005	—	156
Dust From Material Movement	—	—	—	—	—	—	0.23	0.23	—	0.12	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.15	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	25.7	25.7	< 0.005	< 0.005	—	25.8
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.25	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	63.1	63.1	< 0.005	< 0.005	0.15	64.0

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.63	0.62	0.01	0.02	0.45	0.47	0.02	0.12	0.15	—	1,501	1,501	0.06	0.24	2.75	1,577
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.21	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	59.8	59.8	< 0.005	< 0.005	< 0.005	60.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.70	0.63	0.01	0.02	0.45	0.47	0.02	0.12	0.15	—	1,502	1,502	0.06	0.24	0.07	1,575
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.32	7.32	< 0.005	< 0.005	0.01	7.41
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.21	0.08	< 0.005	< 0.005	0.05	0.06	< 0.005	0.01	0.02	—	181	181	0.01	0.03	0.14	190
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.21	1.21	< 0.005	< 0.005	< 0.005	1.23
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	30.0	30.0	< 0.005	< 0.005	0.02	31.5

3.5. Building Construction (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	0.57	5.29	8.10	0.01	0.19	—	0.19	0.17	—	0.17	—	1,476	1,476	0.06	0.01	—	1,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	0.57	5.29	8.10	0.01	0.19	—	0.19	0.17	—	0.17	—	1,476	1,476	0.06	0.01	—	1,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	0.27	2.52	3.85	0.01	0.09	—	0.09	0.08	—	0.08	—	702	702	0.03	0.01	—	704
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.46	0.70	< 0.005	0.02	—	0.02	0.02	—	0.02	—	116	116	< 0.005	< 0.005	—	117
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.14	0.11	2.19	0.00	0.00	0.58	0.58	0.00	0.14	0.14	—	558	558	0.01	0.02	1.31	566
Vendor	0.01	0.01	0.23	0.11	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	227	227	0.01	0.03	0.54	237
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.14	0.13	1.85	0.00	0.00	0.58	0.58	0.00	0.14	0.14	—	530	530	0.01	0.02	0.03	536

Vendor	0.01	< 0.005	0.24	0.11	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	227	227	0.01	0.03	0.01	237
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.06	0.93	0.00	0.00	0.27	0.27	0.00	0.06	0.06	—	256	256	< 0.005	0.01	0.27	259
Vendor	0.01	< 0.005	0.11	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	108	108	< 0.005	0.02	0.11	113
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.17	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	42.3	42.3	< 0.005	< 0.005	0.04	42.9
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	17.9	17.9	< 0.005	< 0.005	0.02	18.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Building Construction (2030) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.15	1.32	9.31	0.01	0.03	—	0.03	0.03	—	0.03	—	1,476	1,476	0.06	0.01	—	1,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.15	1.32	9.31	0.01	0.03	—	0.03	0.03	—	0.03	—	1,476	1,476	0.06	0.01	—	1,481

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.63	4.43	0.01	0.01	—	0.01	0.01	—	0.01	—	702	702	0.03	0.01	—	704
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.11	0.81	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	116	116	< 0.005	< 0.005	—	117
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.14	0.11	2.19	0.00	0.00	0.58	0.58	0.00	0.14	0.14	—	558	558	0.01	0.02	1.31	566
Vendor	0.01	0.01	0.23	0.11	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	227	227	0.01	0.03	0.54	237
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.14	0.13	1.85	0.00	0.00	0.58	0.58	0.00	0.14	0.14	—	530	530	0.01	0.02	0.03	536
Vendor	0.01	< 0.005	0.24	0.11	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	227	227	0.01	0.03	0.01	237
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.06	0.93	0.00	0.00	0.27	0.27	0.00	0.06	0.06	—	256	256	< 0.005	0.01	0.27	259
Vendor	0.01	< 0.005	0.11	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	108	108	< 0.005	0.02	0.11	113

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.17	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	42.3	42.3	< 0.005	< 0.005	0.04	42.9
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	17.9	17.9	< 0.005	< 0.005	0.02	18.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.65	0.54	5.06	8.07	0.01	0.17	—	0.17	0.16	—	0.16	—	1,476	1,476	0.06	0.01	—	1,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.65	0.54	5.06	8.07	0.01	0.17	—	0.17	0.16	—	0.16	—	1,476	1,476	0.06	0.01	—	1,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.30	0.25	2.35	3.74	0.01	0.08	—	0.08	0.07	—	0.07	—	685	685	0.03	0.01	—	687

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.43	0.68	< 0.005	0.01	—	0.01	0.01	—	0.01	—	113	113	< 0.005	< 0.005	—	114
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.11	0.11	2.05	0.00	0.00	0.58	0.58	0.00	0.14	0.14	—	550	550	< 0.005	< 0.005	1.16	552
Vendor	0.01	0.01	0.22	0.11	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	219	219	0.01	0.03	0.51	230
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.11	0.13	1.74	0.00	0.00	0.58	0.58	0.00	0.14	0.14	—	522	522	0.01	0.02	0.03	528
Vendor	0.01	< 0.005	0.23	0.11	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	220	220	0.01	0.03	0.01	229
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.06	0.84	0.00	0.00	0.27	0.27	0.00	0.06	0.06	—	245	245	< 0.005	0.01	0.23	249
Vendor	0.01	< 0.005	0.11	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	102	102	< 0.005	0.01	0.10	106
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	40.6	40.6	< 0.005	< 0.005	0.04	41.2
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	16.9	16.9	< 0.005	< 0.005	0.02	17.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2031) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.15	1.32	9.31	0.01	0.03	—	0.03	0.03	—	0.03	—	1,476	1,476	0.06	0.01	—	1,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.15	1.32	9.31	0.01	0.03	—	0.03	0.03	—	0.03	—	1,476	1,476	0.06	0.01	—	1,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.61	4.32	0.01	0.01	—	0.01	0.01	—	0.01	—	685	685	0.03	0.01	—	687
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.11	0.79	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	113	113	< 0.005	< 0.005	—	114

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.11	0.11	2.05	0.00	0.00	0.58	0.58	0.00	0.14	0.14	—	550	550	< 0.005	< 0.005	1.16	552
Vendor	0.01	0.01	0.22	0.11	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	219	219	0.01	0.03	0.51	230
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.11	0.13	1.74	0.00	0.00	0.58	0.58	0.00	0.14	0.14	—	522	522	0.01	0.02	0.03	528
Vendor	0.01	< 0.005	0.23	0.11	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	220	220	0.01	0.03	0.01	229
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.06	0.84	0.00	0.00	0.27	0.27	0.00	0.06	0.06	—	245	245	< 0.005	0.01	0.23	249
Vendor	0.01	< 0.005	0.11	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	102	102	< 0.005	0.01	0.10	106
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	40.6	40.6	< 0.005	< 0.005	0.04	41.2
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	16.9	16.9	< 0.005	< 0.005	0.02	17.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.52	0.44	3.85	5.29	0.01	0.13	—	0.13	0.12	—	0.12	—	823	823	0.03	0.01	—	826
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.44	0.61	< 0.005	0.02	—	0.02	0.01	—	0.01	—	94.7	94.7	< 0.005	< 0.005	—	95.0
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.7	15.7	< 0.005	< 0.005	—	15.7
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.05	0.69	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	206	206	< 0.005	0.01	0.01	209
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	24.1	24.1	< 0.005	< 0.005	0.02	24.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.99	3.99	< 0.005	< 0.005	< 0.005	4.04
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Paving (2031) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	0.23	2.08	5.55	0.01	0.06	—	0.06	0.06	—	0.06	—	823	823	0.03	0.01	—	826
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.24	0.64	< 0.005	0.01	—	0.01	0.01	—	0.01	—	94.7	94.7	< 0.005	< 0.005	—	95.0
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.04	0.12	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.7	15.7	< 0.005	< 0.005	—	15.7
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.05	0.69	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	206	206	< 0.005	0.01	0.01	209
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	24.1	24.1	< 0.005	< 0.005	0.02	24.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.99	3.99	< 0.005	< 0.005	< 0.005	4.04
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Architectural Coating (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.78	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	8.69	8.69	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.78	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	8.69	8.69	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.09	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.1	16.1	< 0.005	< 0.005	—	16.2
Architectural Coatings	1.05	1.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.66	2.66	< 0.005	< 0.005	—	2.67
Architectural Coatings	0.19	0.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.41	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	110	110	< 0.005	< 0.005	0.23	110
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.03	0.35	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	104	104	< 0.005	< 0.005	0.01	106
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	12.8	12.8	< 0.005	< 0.005	0.01	12.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.11	2.11	< 0.005	< 0.005	< 0.005	2.14
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Architectural Coating (2031) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	8.69	8.69	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	8.69	8.69	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.08	0.12	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.1	16.1	< 0.005	< 0.005	—	16.2
Architectural Coatings	1.05	1.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.66	2.66	< 0.005	< 0.005	—	2.67
Architectural Coatings	0.19	0.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.41	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	110	110	< 0.005	< 0.005	0.23	110

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.03	0.35	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	104	104	< 0.005	< 0.005	0.01	106
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	12.8	12.8	< 0.005	< 0.005	0.01	12.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.11	2.11	< 0.005	< 0.005	< 0.005	2.14
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	2/1/2030	3/3/2030	5.00	21.0	—
Grading	Grading	3/4/2030	5/2/2030	5.00	44.0	—
Building Construction	Building Construction	5/3/2030	8/25/2031	5.00	342	—
Paving	Paving	10/25/2031	12/23/2031	5.00	42.0	—
Architectural Coating	Architectural Coating	8/26/2031	10/24/2031	5.00	44.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	2.00	6.00	84.0	0.37
Demolition	Rubber Tired Dozers	Diesel	Average	1.00	1.00	367	0.40
Grading	Rubber Tired Dozers	Diesel	Average	1.00	6.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	1.00	4.00	367	0.29
Building Construction	Forklifts	Diesel	Average	2.00	6.00	82.0	0.20
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Building Construction	Excavators	Diesel	Average	1.00	8.00	36.0	0.38

Building Construction	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Paving	Cement and Mortar Mixers	Diesel	Average	4.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Average	1.00	7.00	81.0	0.42
Paving	Rollers	Diesel	Average	1.00	7.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	6.00	84.0	0.37
Demolition	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	1.00	367	0.40
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	6.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	7.00	84.0	0.37
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	4.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	2.00	6.00	82.0	0.20
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Building Construction	Excavators	Diesel	Tier 4 Final	1.00	8.00	36.0	0.38
Building Construction	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Paving	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	7.00	84.0	0.37
Paving	Cement and Mortar Mixers	Diesel	Average	4.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Tier 4 Final	1.00	7.00	81.0	0.42
Paving	Rollers	Diesel	Tier 4 Final	1.00	7.00	36.0	0.38

Architectural Coating	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	7.50	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	4.00	30.5	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	5.00	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	16.0	30.5	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	44.3	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	8.04	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	30.5	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	17.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	30.5	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	8.85	18.5	LDA,LDT1,LDT2

Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	30.5	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	7.50	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	4.00	30.5	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	5.00	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	16.0	30.5	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	44.3	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	8.04	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	30.5	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	17.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	30.5	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	8.85	18.5	LDA,LDT1,LDT2

Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	30.5	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	118,868	39,623	1,308	146	1,743

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	580	—
Grading	—	7,610	16.5	0.00	—
Paving	0.00	0.00	0.00	0.00	0.08

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Mid Rise	—	0%
Enclosed Parking with Elevator	0.00	0%
Other Non-Asphalt Surfaces	0.08	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2030	0.00	532	0.03	< 0.005
2031	0.00	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	6.58	annual days of extreme heat
Extreme Precipitation	4.40	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	32.1
AQ-PM	84.1
AQ-DPM	81.1
Drinking Water	50.7
Lead Risk Housing	93.2
Pesticides	0.00
Toxic Releases	97.9
Traffic	88.7
Effect Indicators	—
CleanUp Sites	43.2
Groundwater	65.3
Haz Waste Facilities/Generators	92.3
Impaired Water Bodies	66.7
Solid Waste	39.0
Sensitive Population	—
Asthma	96.0
Cardio-vascular	97.1
Low Birth Weights	87.6

Socioeconomic Factor Indicators	—
Education	91.3
Housing	68.5
Linguistic	74.8
Poverty	92.6
Unemployment	94.3

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	6.865135378
Employed	7.583728988
Median HI	20.41575773
Education	—
Bachelor's or higher	18.24714487
High school enrollment	100
Preschool enrollment	23.40562043
Transportation	—
Auto Access	19.3763634
Active commuting	78.62184011
Social	—
2-parent households	6.262030027
Voting	28.26895932
Neighborhood	—
Alcohol availability	17.00243809
Park access	81.35506224
Retail density	48.58206082

Supermarket access	75.02887206
Tree canopy	58.18041832
Housing	—
Homeownership	27.34505325
Housing habitability	10.48376748
Low-inc homeowner severe housing cost burden	18.96573848
Low-inc renter severe housing cost burden	20.28743744
Uncrowded housing	13.93558322
Health Outcomes	—
Insured adults	15.88605158
Arthritis	0.0
Asthma ER Admissions	11.0
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	6.0
Cognitively Disabled	28.0
Physically Disabled	18.0
Heart Attack ER Admissions	25.5
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	96.4
Physical Health Not Good	0.0
Stroke	0.0

Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	3.5
Elderly	97.2
English Speaking	31.4
Foreign-born	52.8
Outdoor Workers	74.3
Climate Change Adaptive Capacity	—
Impervious Surface Cover	32.8
Traffic Density	95.7
Traffic Access	87.4
Other Indices	—
Hardship	86.8
Other Decision Support	—
2016 Voting	9.5

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	99.0
Healthy Places Index Score for Project Location (b)	10.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Project specific information
Construction: Construction Phases	See project assumptions
Construction: Trips and VMT	See project assumptions
Construction: Paving	See project assumptions
Construction: Architectural Coatings	See construction assumptions.
Construction: Off-Road Equipment	see assumption sheet
Construction: Dust From Material Movement	see assumption sheet

CMWC P-7 Con Mit Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

3. Construction Emissions Details

3.1. Demolition (2030) - Unmitigated

3.2. Demolition (2030) - Mitigated

3.3. Grading (2030) - Unmitigated

3.4. Grading (2030) - Mitigated

3.5. Building Construction (2030) - Unmitigated

3.6. Building Construction (2030) - Mitigated

3.7. Building Construction (2031) - Unmitigated

3.8. Building Construction (2031) - Mitigated

3.9. Paving (2031) - Unmitigated

3.10. Paving (2031) - Mitigated

3.11. Architectural Coating (2031) - Unmitigated

3.12. Architectural Coating (2031) - Mitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	CMWC P-7 Con Mit
Construction Start Date	2/1/2030
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.20
Precipitation (days)	17.8
Location	1667 E 118th St, Los Angeles, CA 90059, USA
County	Los Angeles-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4210
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.26

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	53.0	Dwelling Unit	0.29	58,700	0.00	—	157	—

Enclosed Parking with Elevator	29.0	Space	0.10	14,500	0.00	—	—	—
Other Non-Asphalt Surfaces	14.8	1000sqft	0.33	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.83	8.81	7.83	10.4	0.02	0.29	2.44	2.72	0.26	1.12	1.39	—	2,852	2,852	0.12	0.25	2.90	2,933
Mit.	8.74	8.73	2.27	11.6	0.02	0.05	2.44	2.48	0.05	1.12	1.17	—	2,852	2,852	0.12	0.25	2.90	2,933
% Reduced	1%	1%	71%	-12%	—	84%	—	9%	83%	—	16%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.83	8.81	7.90	10.1	0.02	0.29	2.44	2.72	0.26	1.12	1.39	—	2,849	2,849	0.12	0.25	0.08	2,928
Mit.	8.74	8.73	2.34	11.3	0.02	0.06	2.44	2.48	0.06	1.12	1.17	—	2,849	2,849	0.12	0.25	0.08	2,928
% Reduced	1%	1%	70%	-12%	—	79%	—	9%	79%	—	16%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	1.50	1.42	3.80	6.00	0.01	0.13	0.63	0.76	0.12	0.21	0.33	—	1,471	1,471	0.05	0.07	0.55	1,492
Mit.	1.23	1.21	1.13	6.58	0.01	0.02	0.63	0.65	0.02	0.21	0.23	—	1,471	1,471	0.05	0.07	0.55	1,492
% Reduced	18%	15%	70%	-10%	—	84%	—	14%	83%	—	30%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.27	0.26	0.69	1.10	< 0.005	0.02	0.12	0.14	0.02	0.04	0.06	—	243	243	0.01	0.01	0.09	247
Mit.	0.22	0.22	0.21	1.20	< 0.005	< 0.005	0.12	0.12	< 0.005	0.04	0.04	—	243	243	0.01	0.01	0.09	247
% Reduced	18%	15%	70%	-10%	—	84%	—	14%	83%	—	30%	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	0.97	0.76	7.83	10.4	0.02	0.29	2.44	2.72	0.26	1.12	1.39	—	2,852	2,852	0.12	0.25	2.90	2,933
2031	8.83	8.81	5.39	10.2	0.02	0.17	0.65	0.82	0.16	0.15	0.32	—	2,245	2,245	0.07	0.05	1.67	2,263
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	0.97	0.75	7.90	10.1	0.02	0.29	2.44	2.72	0.26	1.12	1.39	—	2,849	2,849	0.12	0.25	0.08	2,928
2031	8.83	8.81	5.42	9.92	0.02	0.17	0.65	0.82	0.16	0.15	0.32	—	2,217	2,217	0.07	0.06	0.04	2,238
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	0.53	0.44	3.80	6.00	0.01	0.13	0.63	0.76	0.12	0.21	0.33	—	1,471	1,471	0.05	0.07	0.55	1,492
2031	1.50	1.42	3.06	5.51	0.01	0.10	0.34	0.43	0.09	0.08	0.17	—	1,179	1,179	0.04	0.03	0.37	1,190
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	0.10	0.08	0.69	1.10	< 0.005	0.02	0.12	0.14	0.02	0.04	0.06	—	243	243	0.01	0.01	0.09	247
2031	0.27	0.26	0.56	1.00	< 0.005	0.02	0.06	0.08	0.02	0.01	0.03	—	195	195	0.01	0.01	0.06	197

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	0.30	0.29	2.27	11.6	0.02	0.05	2.44	2.48	0.05	1.12	1.17	—	2,852	2,852	0.12	0.25	2.90	2,933
2031	8.74	8.73	1.65	11.5	0.02	0.03	0.65	0.68	0.03	0.15	0.18	—	2,245	2,245	0.07	0.05	1.67	2,263
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	0.30	0.29	2.34	11.3	0.02	0.05	2.44	2.48	0.05	1.12	1.17	—	2,849	2,849	0.12	0.25	0.08	2,928
2031	8.74	8.73	2.14	11.2	0.02	0.06	0.65	0.68	0.06	0.15	0.18	—	2,217	2,217	0.07	0.06	0.04	2,238
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	0.18	0.16	1.13	6.58	0.01	0.02	0.63	0.65	0.02	0.21	0.23	—	1,471	1,471	0.05	0.07	0.55	1,492
2031	1.23	1.21	1.11	6.09	0.01	0.02	0.34	0.36	0.02	0.08	0.10	—	1,179	1,179	0.04	0.03	0.37	1,190
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	0.03	0.03	0.21	1.20	< 0.005	< 0.005	0.12	0.12	< 0.005	0.04	0.04	—	243	243	0.01	0.01	0.09	247
2031	0.22	0.22	0.20	1.11	< 0.005	< 0.005	0.06	0.07	< 0.005	0.01	0.02	—	195	195	0.01	0.01	0.06	197

3. Construction Emissions Details

3.1. Demolition (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	0.24	2.28	3.74	0.01	0.07	—	0.07	0.07	—	0.07	—	607	607	0.02	< 0.005	—	610
Demolition	—	—	—	—	—	—	0.38	0.38	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.13	0.22	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	35.0	35.0	< 0.005	< 0.005	—	35.1
Demolition	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.79	5.79	< 0.005	< 0.005	—	5.81
Demolition	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.02	0.02	0.02	0.31	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	89.8	89.8	< 0.005	< 0.005	0.01	90.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.42	0.16	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04	—	375	375	0.02	0.06	0.02	394
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.24	5.24	< 0.005	< 0.005	0.01	5.31
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	21.6	21.6	< 0.005	< 0.005	0.02	22.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.87	0.87	< 0.005	< 0.005	< 0.005	0.88
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.58	3.58	< 0.005	< 0.005	< 0.005	3.75

3.2. Demolition (2030) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.06	0.30	3.88	0.01	0.01	—	0.01	0.01	—	0.01	—	607	607	0.02	< 0.005	—	610
Demolition	—	—	—	—	—	—	0.38	0.38	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.22	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	35.0	35.0	< 0.005	< 0.005	—	35.1
Demolition	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.79	5.79	< 0.005	< 0.005	—	5.81
Demolition	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.31	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	89.8	89.8	< 0.005	< 0.005	0.01	90.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.42	0.16	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04	—	375	375	0.02	0.06	0.02	394
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.24	5.24	< 0.005	< 0.005	0.01	5.31
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	21.6	21.6	< 0.005	< 0.005	0.02	22.7

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.87	0.87	< 0.005	< 0.005	< 0.005	0.88
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.58	3.58	< 0.005	< 0.005	< 0.005	3.75

3.3. Grading (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.85	0.72	6.19	6.87	0.01	0.26	—	0.26	0.24	—	0.24	—	1,288	1,288	0.05	0.01	—	1,292
Dust From Material Movement	—	—	—	—	—	—	1.92	1.92	—	0.99	0.99	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.85	0.72	6.19	6.87	0.01	0.26	—	0.26	0.24	—	0.24	—	1,288	1,288	0.05	0.01	—	1,292
Dust From Material Movement	—	—	—	—	—	—	1.92	1.92	—	0.99	0.99	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.09	0.75	0.83	< 0.005	0.03	—	0.03	0.03	—	0.03	—	155	155	0.01	< 0.005	—	156
Dust From Material Movement	—	—	—	—	—	—	0.23	0.23	—	0.12	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.14	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	25.7	25.7	< 0.005	< 0.005	—	25.8
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.25	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	63.1	63.1	< 0.005	< 0.005	0.15	64.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.63	0.62	0.01	0.02	0.45	0.47	0.02	0.12	0.15	—	1,501	1,501	0.06	0.24	2.75	1,577
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.21	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	59.8	59.8	< 0.005	< 0.005	< 0.005	60.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.10	0.02	1.70	0.63	0.01	0.02	0.45	0.47	0.02	0.12	0.15	—	1,502	1,502	0.06	0.24	0.07	1,575
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.32	7.32	< 0.005	< 0.005	0.01	7.41
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.21	0.08	< 0.005	< 0.005	0.05	0.06	< 0.005	0.01	0.02	—	181	181	0.01	0.03	0.14	190
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.21	1.21	< 0.005	< 0.005	< 0.005	1.23
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	30.0	30.0	< 0.005	< 0.005	0.02	31.5

3.4. Grading (2030) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.12	0.63	6.82	0.01	0.02	—	0.02	0.02	—	0.02	—	1,288	1,288	0.05	0.01	—	1,292
Dust From Material Movement	—	—	—	—	—	—	1.92	1.92	—	0.99	0.99	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.12	0.12	0.63	6.82	0.01	0.02	—	0.02	0.02	—	0.02	—	1,288	1,288	0.05	0.01	—	1,292
Dust From Material Movement	—	—	—	—	—	—	1.92	1.92	—	0.99	0.99	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.82	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	155	155	0.01	< 0.005	—	156
Dust From Material Movement	—	—	—	—	—	—	0.23	0.23	—	0.12	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.15	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	25.7	25.7	< 0.005	< 0.005	—	25.8
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.25	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	63.1	63.1	< 0.005	< 0.005	0.15	64.0

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.63	0.62	0.01	0.02	0.45	0.47	0.02	0.12	0.15	—	1,501	1,501	0.06	0.24	2.75	1,577
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.21	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	59.8	59.8	< 0.005	< 0.005	< 0.005	60.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.70	0.63	0.01	0.02	0.45	0.47	0.02	0.12	0.15	—	1,502	1,502	0.06	0.24	0.07	1,575
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.32	7.32	< 0.005	< 0.005	0.01	7.41
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.21	0.08	< 0.005	< 0.005	0.05	0.06	< 0.005	0.01	0.02	—	181	181	0.01	0.03	0.14	190
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.21	1.21	< 0.005	< 0.005	< 0.005	1.23
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	30.0	30.0	< 0.005	< 0.005	0.02	31.5

3.5. Building Construction (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	0.57	5.29	8.10	0.01	0.19	—	0.19	0.17	—	0.17	—	1,476	1,476	0.06	0.01	—	1,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	0.57	5.29	8.10	0.01	0.19	—	0.19	0.17	—	0.17	—	1,476	1,476	0.06	0.01	—	1,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	0.27	2.52	3.85	0.01	0.09	—	0.09	0.08	—	0.08	—	702	702	0.03	0.01	—	704
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.46	0.70	< 0.005	0.02	—	0.02	0.02	—	0.02	—	116	116	< 0.005	< 0.005	—	117
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.14	0.11	2.19	0.00	0.00	0.58	0.58	0.00	0.14	0.14	—	558	558	0.01	0.02	1.31	566
Vendor	0.01	0.01	0.23	0.11	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	227	227	0.01	0.03	0.54	237
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.14	0.13	1.85	0.00	0.00	0.58	0.58	0.00	0.14	0.14	—	530	530	0.01	0.02	0.03	536

Vendor	0.01	< 0.005	0.24	0.11	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	227	227	0.01	0.03	0.01	237
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.06	0.93	0.00	0.00	0.27	0.27	0.00	0.06	0.06	—	256	256	< 0.005	0.01	0.27	259
Vendor	0.01	< 0.005	0.11	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	108	108	< 0.005	0.02	0.11	113
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.17	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	42.3	42.3	< 0.005	< 0.005	0.04	42.9
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	17.9	17.9	< 0.005	< 0.005	0.02	18.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Building Construction (2030) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.15	1.32	9.31	0.01	0.03	—	0.03	0.03	—	0.03	—	1,476	1,476	0.06	0.01	—	1,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.15	1.32	9.31	0.01	0.03	—	0.03	0.03	—	0.03	—	1,476	1,476	0.06	0.01	—	1,481

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.63	4.43	0.01	0.01	—	0.01	0.01	—	0.01	—	702	702	0.03	0.01	—	704
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.11	0.81	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	116	116	< 0.005	< 0.005	—	117
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.14	0.11	2.19	0.00	0.00	0.58	0.58	0.00	0.14	0.14	—	558	558	0.01	0.02	1.31	566
Vendor	0.01	0.01	0.23	0.11	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	227	227	0.01	0.03	0.54	237
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.14	0.13	1.85	0.00	0.00	0.58	0.58	0.00	0.14	0.14	—	530	530	0.01	0.02	0.03	536
Vendor	0.01	< 0.005	0.24	0.11	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	227	227	0.01	0.03	0.01	237
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.06	0.93	0.00	0.00	0.27	0.27	0.00	0.06	0.06	—	256	256	< 0.005	0.01	0.27	259
Vendor	0.01	< 0.005	0.11	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	108	108	< 0.005	0.02	0.11	113

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.17	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	42.3	42.3	< 0.005	< 0.005	0.04	42.9
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	17.9	17.9	< 0.005	< 0.005	0.02	18.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.65	0.54	5.06	8.07	0.01	0.17	—	0.17	0.16	—	0.16	—	1,476	1,476	0.06	0.01	—	1,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.65	0.54	5.06	8.07	0.01	0.17	—	0.17	0.16	—	0.16	—	1,476	1,476	0.06	0.01	—	1,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.30	0.25	2.35	3.74	0.01	0.08	—	0.08	0.07	—	0.07	—	685	685	0.03	0.01	—	687

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.43	0.68	< 0.005	0.01	—	0.01	0.01	—	0.01	—	113	113	< 0.005	< 0.005	—	114
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.11	0.11	2.05	0.00	0.00	0.58	0.58	0.00	0.14	0.14	—	550	550	< 0.005	< 0.005	1.16	552
Vendor	0.01	0.01	0.22	0.11	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	219	219	0.01	0.03	0.51	230
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.11	0.13	1.74	0.00	0.00	0.58	0.58	0.00	0.14	0.14	—	522	522	0.01	0.02	0.03	528
Vendor	0.01	< 0.005	0.23	0.11	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	220	220	0.01	0.03	0.01	229
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.06	0.84	0.00	0.00	0.27	0.27	0.00	0.06	0.06	—	245	245	< 0.005	0.01	0.23	249
Vendor	0.01	< 0.005	0.11	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	102	102	< 0.005	0.01	0.10	106
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	40.6	40.6	< 0.005	< 0.005	0.04	41.2
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	16.9	16.9	< 0.005	< 0.005	0.02	17.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2031) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.15	1.32	9.31	0.01	0.03	—	0.03	0.03	—	0.03	—	1,476	1,476	0.06	0.01	—	1,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.15	1.32	9.31	0.01	0.03	—	0.03	0.03	—	0.03	—	1,476	1,476	0.06	0.01	—	1,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.61	4.32	0.01	0.01	—	0.01	0.01	—	0.01	—	685	685	0.03	0.01	—	687
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.11	0.79	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	113	113	< 0.005	< 0.005	—	114

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.11	0.11	2.05	0.00	0.00	0.58	0.58	0.00	0.14	0.14	—	550	550	< 0.005	< 0.005	1.16	552
Vendor	0.01	0.01	0.22	0.11	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	219	219	0.01	0.03	0.51	230
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.11	0.13	1.74	0.00	0.00	0.58	0.58	0.00	0.14	0.14	—	522	522	0.01	0.02	0.03	528
Vendor	0.01	< 0.005	0.23	0.11	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	220	220	0.01	0.03	0.01	229
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.06	0.84	0.00	0.00	0.27	0.27	0.00	0.06	0.06	—	245	245	< 0.005	0.01	0.23	249
Vendor	0.01	< 0.005	0.11	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	102	102	< 0.005	0.01	0.10	106
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	40.6	40.6	< 0.005	< 0.005	0.04	41.2
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	16.9	16.9	< 0.005	< 0.005	0.02	17.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.52	0.44	3.85	5.29	0.01	0.13	—	0.13	0.12	—	0.12	—	823	823	0.03	0.01	—	826
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.44	0.61	< 0.005	0.02	—	0.02	0.01	—	0.01	—	94.7	94.7	< 0.005	< 0.005	—	95.0
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.7	15.7	< 0.005	< 0.005	—	15.7
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.05	0.69	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	206	206	< 0.005	0.01	0.01	209
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	24.1	24.1	< 0.005	< 0.005	0.02	24.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.99	3.99	< 0.005	< 0.005	< 0.005	4.04
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Paving (2031) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	0.23	2.08	5.55	0.01	0.06	—	0.06	0.06	—	0.06	—	823	823	0.03	0.01	—	826
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.24	0.64	< 0.005	0.01	—	0.01	0.01	—	0.01	—	94.7	94.7	< 0.005	< 0.005	—	95.0
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.04	0.12	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.7	15.7	< 0.005	< 0.005	—	15.7
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.05	0.69	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	206	206	< 0.005	0.01	0.01	209
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	24.1	24.1	< 0.005	< 0.005	0.02	24.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.99	3.99	< 0.005	< 0.005	< 0.005	4.04
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Architectural Coating (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.78	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	8.69	8.69	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.78	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	8.69	8.69	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.09	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.1	16.1	< 0.005	< 0.005	—	16.2
Architectural Coatings	1.05	1.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.66	2.66	< 0.005	< 0.005	—	2.67
Architectural Coatings	0.19	0.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.41	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	110	110	< 0.005	< 0.005	0.23	110
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.03	0.35	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	104	104	< 0.005	< 0.005	0.01	106
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	12.8	12.8	< 0.005	< 0.005	0.01	12.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.11	2.11	< 0.005	< 0.005	< 0.005	2.14
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Architectural Coating (2031) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	8.69	8.69	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	8.69	8.69	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.08	0.12	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.1	16.1	< 0.005	< 0.005	—	16.2
Architectural Coatings	1.05	1.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.66	2.66	< 0.005	< 0.005	—	2.67
Architectural Coatings	0.19	0.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.41	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	110	110	< 0.005	< 0.005	0.23	110

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.03	0.35	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	104	104	< 0.005	< 0.005	0.01	106
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	12.8	12.8	< 0.005	< 0.005	0.01	12.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.11	2.11	< 0.005	< 0.005	< 0.005	2.14
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	2/1/2030	3/3/2030	5.00	21.0	—
Grading	Grading	3/4/2030	5/2/2030	5.00	44.0	—
Building Construction	Building Construction	5/3/2030	8/25/2031	5.00	342	—
Paving	Paving	10/25/2031	12/23/2031	5.00	42.0	—
Architectural Coating	Architectural Coating	8/26/2031	10/24/2031	5.00	44.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	2.00	6.00	84.0	0.37
Demolition	Rubber Tired Dozers	Diesel	Average	1.00	1.00	367	0.40
Grading	Rubber Tired Dozers	Diesel	Average	1.00	6.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	1.00	4.00	367	0.29
Building Construction	Forklifts	Diesel	Average	2.00	6.00	82.0	0.20
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Building Construction	Excavators	Diesel	Average	1.00	8.00	36.0	0.38

Building Construction	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Paving	Cement and Mortar Mixers	Diesel	Average	4.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Average	1.00	7.00	81.0	0.42
Paving	Rollers	Diesel	Average	1.00	7.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	6.00	84.0	0.37
Demolition	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	1.00	367	0.40
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	6.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	7.00	84.0	0.37
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	4.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	2.00	6.00	82.0	0.20
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Building Construction	Excavators	Diesel	Tier 4 Final	1.00	8.00	36.0	0.38
Building Construction	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Paving	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	7.00	84.0	0.37
Paving	Cement and Mortar Mixers	Diesel	Average	4.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Tier 4 Final	1.00	7.00	81.0	0.42
Paving	Rollers	Diesel	Tier 4 Final	1.00	7.00	36.0	0.38

Architectural Coating	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	7.50	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	4.00	30.5	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	5.00	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	16.0	30.5	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	44.3	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	8.04	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	17.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	8.85	18.5	LDA,LDT1,LDT2

Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	7.50	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	4.00	30.5	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	5.00	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	16.0	30.5	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	44.3	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	8.04	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	17.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	8.85	18.5	LDA,LDT1,LDT2

Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	118,868	39,623	1,322	148	1,761

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	580	—
Grading	—	7,620	16.5	0.00	—
Paving	0.00	0.00	0.00	0.00	0.08

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Mid Rise	—	0%
Enclosed Parking with Elevator	0.00	0%
Other Non-Asphalt Surfaces	0.08	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2030	0.00	532	0.03	< 0.005
2031	0.00	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	6.58	annual days of extreme heat
Extreme Precipitation	4.40	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	32.1
AQ-PM	84.1
AQ-DPM	81.1
Drinking Water	50.7
Lead Risk Housing	93.2
Pesticides	0.00
Toxic Releases	97.9
Traffic	88.7
Effect Indicators	—
CleanUp Sites	43.2
Groundwater	65.3
Haz Waste Facilities/Generators	92.3
Impaired Water Bodies	66.7
Solid Waste	39.0
Sensitive Population	—
Asthma	96.0
Cardio-vascular	97.1
Low Birth Weights	87.6

Socioeconomic Factor Indicators	—
Education	91.3
Housing	68.5
Linguistic	74.8
Poverty	92.6
Unemployment	94.3

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	6.865135378
Employed	7.583728988
Median HI	20.41575773
Education	—
Bachelor's or higher	18.24714487
High school enrollment	100
Preschool enrollment	23.40562043
Transportation	—
Auto Access	19.3763634
Active commuting	78.62184011
Social	—
2-parent households	6.262030027
Voting	28.26895932
Neighborhood	—
Alcohol availability	17.00243809
Park access	81.35506224
Retail density	48.58206082

Supermarket access	75.02887206
Tree canopy	58.18041832
Housing	—
Homeownership	27.34505325
Housing habitability	10.48376748
Low-inc homeowner severe housing cost burden	18.96573848
Low-inc renter severe housing cost burden	20.28743744
Uncrowded housing	13.93558322
Health Outcomes	—
Insured adults	15.88605158
Arthritis	0.0
Asthma ER Admissions	11.0
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	6.0
Cognitively Disabled	28.0
Physically Disabled	18.0
Heart Attack ER Admissions	25.5
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	96.4
Physical Health Not Good	0.0
Stroke	0.0

Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	3.5
Elderly	97.2
English Speaking	31.4
Foreign-born	52.8
Outdoor Workers	74.3
Climate Change Adaptive Capacity	—
Impervious Surface Cover	32.8
Traffic Density	95.7
Traffic Access	87.4
Other Indices	—
Hardship	86.8
Other Decision Support	—
2016 Voting	9.5

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	99.0
Healthy Places Index Score for Project Location (b)	10.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	See project assumptions
Construction: Construction Phases	See project assumptions
Construction: Trips and VMT	See project assumptions
Construction: Paving	See project assumptions
Construction: Architectural Coatings	See construction assumptions.
Construction: Off-Road Equipment	see assumption sheet
Construction: Dust From Material Movement	see assumption sheet

CMWC P-8 Con Mit Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

3. Construction Emissions Details

3.1. Demolition (2032) - Unmitigated

3.2. Demolition (2032) - Mitigated

3.3. Grading (2032) - Unmitigated

3.4. Grading (2032) - Mitigated

3.5. Building Construction (2032) - Unmitigated

3.6. Building Construction (2032) - Mitigated

3.7. Building Construction (2033) - Unmitigated

3.8. Building Construction (2033) - Mitigated

3.9. Paving (2033) - Unmitigated

3.10. Paving (2033) - Mitigated

3.11. Architectural Coating (2033) - Unmitigated

3.12. Architectural Coating (2033) - Mitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	CMWC P-8 Con Mit
Construction Start Date	1/1/2032
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.20
Precipitation (days)	17.8
Location	1667 E 118th St, Los Angeles, CA 90059, USA
County	Los Angeles-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4210
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.26

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Enclosed Parking with Elevator	637	Space	0.66	242,040	0.00	—	—	—

Unrefrigerated Warehouse-No Rail	11.5	1000sqft	0.10	11,500	0.00	—	—	—
Other Non-Asphalt Surfaces	23.4	1000sqft	0.54	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.52	1.24	9.69	17.0	0.03	0.23	1.75	1.98	0.21	0.42	0.64	—	4,523	4,523	0.14	0.18	4.96	4,585
Mit.	0.73	0.62	5.79	18.4	0.03	0.08	1.75	1.82	0.07	0.42	0.50	—	4,523	4,523	0.14	0.18	4.96	4,585
% Reduced	52%	50%	40%	-8%	—	67%	—	8%	65%	—	22%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.80	5.77	11.1	16.3	0.03	0.44	3.35	3.78	0.40	1.49	1.89	—	4,456	4,456	0.16	0.25	0.13	4,513
Mit.	5.71	5.70	5.89	17.7	0.03	0.08	3.35	3.42	0.07	1.49	1.56	—	4,456	4,456	0.16	0.25	0.13	4,513
% Reduced	2%	1%	47%	-9%	—	82%	—	10%	82%	—	18%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	1.07	0.87	7.09	11.1	0.02	0.19	1.38	1.58	0.18	0.41	0.59	—	3,045	3,045	0.10	0.16	1.32	3,096
Mit.	0.72	0.71	3.62	12.1	0.02	0.05	1.38	1.44	0.05	0.41	0.46	—	3,045	3,045	0.10	0.16	1.32	3,096
% Reduced	33%	18%	49%	-9%	—	73%	—	9%	72%	—	22%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.19	0.16	1.29	2.03	< 0.005	0.04	0.25	0.29	0.03	0.07	0.11	—	504	504	0.02	0.03	0.22	513
Mit.	0.13	0.13	0.66	2.21	< 0.005	0.01	0.25	0.26	0.01	0.07	0.08	—	504	504	0.02	0.03	0.22	513
% Reduced	33%	18%	49%	-9%	—	73%	—	9%	72%	—	22%	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2032	1.52	1.24	9.69	17.0	0.03	0.23	1.75	1.98	0.21	0.42	0.64	—	4,523	4,523	0.14	0.18	4.96	4,585
2033	0.51	0.43	3.77	6.96	0.01	0.11	0.16	0.27	0.10	0.04	0.14	—	1,142	1,142	0.04	0.01	0.26	1,146
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2032	1.54	1.24	11.1	16.3	0.03	0.44	3.35	3.78	0.40	1.49	1.89	—	4,456	4,456	0.16	0.25	0.13	4,513
2033	5.80	5.77	9.50	16.0	0.03	0.21	1.75	1.95	0.19	0.42	0.62	—	4,403	4,403	0.14	0.18	0.12	4,460
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2032	1.07	0.87	7.09	11.1	0.02	0.19	1.38	1.58	0.18	0.41	0.59	—	3,045	3,045	0.10	0.16	1.32	3,096
2033	0.78	0.76	0.73	1.34	< 0.005	0.02	0.12	0.13	0.01	0.03	0.04	—	304	304	0.01	0.01	0.11	307
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2032	0.19	0.16	1.29	2.03	< 0.005	0.04	0.25	0.29	0.03	0.07	0.11	—	504	504	0.02	0.03	0.22	513
2033	0.14	0.14	0.13	0.24	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	50.3	50.3	< 0.005	< 0.005	0.02	50.8

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2032	0.73	0.62	5.79	18.4	0.03	0.08	1.75	1.82	0.07	0.42	0.50	—	4,523	4,523	0.14	0.18	4.96	4,585
2033	0.20	0.18	1.32	7.41	0.01	0.03	0.16	0.19	0.03	0.04	0.07	—	1,142	1,142	0.04	0.01	0.26	1,146
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2032	0.73	0.62	5.89	17.7	0.03	0.08	3.35	3.42	0.07	1.49	1.56	—	4,456	4,456	0.16	0.25	0.13	4,513
2033	5.71	5.70	5.80	17.5	0.03	0.08	1.75	1.82	0.07	0.42	0.50	—	4,403	4,403	0.14	0.18	0.12	4,460
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2032	0.45	0.38	3.62	12.1	0.02	0.05	1.38	1.44	0.05	0.41	0.46	—	3,045	3,045	0.10	0.16	1.32	3,096
2033	0.72	0.71	0.41	1.41	< 0.005	0.01	0.12	0.12	0.01	0.03	0.03	—	304	304	0.01	0.01	0.11	307
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2032	0.08	0.07	0.66	2.21	< 0.005	0.01	0.25	0.26	0.01	0.07	0.08	—	504	504	0.02	0.03	0.22	513
2033	0.13	0.13	0.08	0.26	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	50.3	50.3	< 0.005	< 0.005	0.02	50.8

3. Construction Emissions Details

3.1. Demolition (2032) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.14	0.96	8.02	9.86	0.02	0.32	—	0.32	0.30	—	0.30	—	1,959	1,959	0.08	0.02	—	1,965
Demolition	—	—	—	—	—	—	0.76	0.76	—	0.12	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.44	0.54	< 0.005	0.02	—	0.02	0.02	—	0.02	—	107	107	< 0.005	< 0.005	—	108
Demolition	—	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	17.8	17.8	< 0.005	< 0.005	—	17.8
Demolition	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.02	0.02	0.02	0.28	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	87.2	87.2	< 0.005	< 0.005	< 0.005	87.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.04	0.01	0.79	0.29	0.01	0.01	0.23	0.24	0.01	0.06	0.07	—	713	713	0.03	0.12	0.03	748
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.85	4.85	< 0.005	< 0.005	< 0.005	4.91
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	39.0	39.0	< 0.005	0.01	0.03	41.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.80	0.80	< 0.005	< 0.005	< 0.005	0.81
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.46	6.46	< 0.005	< 0.005	< 0.005	6.79

3.2. Demolition (2032) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.18	0.96	10.8	0.02	0.04	—	0.04	0.04	—	0.04	—	1,959	1,959	0.08	0.02	—	1,965
Demolition	—	—	—	—	—	—	0.76	0.76	—	0.12	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.59	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	107	107	< 0.005	< 0.005	—	108
Demolition	—	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	17.8	17.8	< 0.005	< 0.005	—	17.8
Demolition	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.28	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	87.2	87.2	< 0.005	< 0.005	< 0.005	87.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.04	0.01	0.79	0.29	0.01	0.01	0.23	0.24	0.01	0.06	0.07	—	713	713	0.03	0.12	0.03	748
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.85	4.85	< 0.005	< 0.005	< 0.005	4.91
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	39.0	39.0	< 0.005	0.01	0.03	41.0

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.80	0.80	< 0.005	< 0.005	< 0.005	0.81
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.46	6.46	< 0.005	< 0.005	< 0.005	6.79

3.3. Grading (2032) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.42	1.20	9.50	13.0	0.02	0.41	—	0.41	0.38	—	0.38	—	2,455	2,455	0.10	0.02	—	2,463
Dust From Material Movement	—	—	—	—	—	—	2.77	2.77	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.14	1.09	1.50	< 0.005	0.05	—	0.05	0.04	—	0.04	—	282	282	0.01	< 0.005	—	283
Dust From Material Movement	—	—	—	—	—	—	0.32	0.32	—	0.15	0.15	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.20	0.27	< 0.005	0.01	—	0.01	0.01	—	0.01	—	46.8	46.8	< 0.005	< 0.005	—	46.9
Dust From Material Movement	—	—	—	—	—	—	0.06	0.06	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.03	0.37	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	116	116	< 0.005	< 0.005	0.01	117
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.08	0.02	1.59	0.59	0.01	0.02	0.45	0.47	0.02	0.12	0.15	—	1,425	1,425	0.06	0.23	0.06	1,496
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	13.6	13.6	< 0.005	< 0.005	0.01	13.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.18	0.07	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	164	164	0.01	0.03	0.11	172
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.25	2.25	< 0.005	< 0.005	< 0.005	2.28
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	27.1	27.1	< 0.005	< 0.005	0.02	28.5

3.4. Grading (2032) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.23	1.20	14.2	0.02	0.05	—	0.05	0.05	—	0.05	—	2,455	2,455	0.10	0.02	—	2,463
Dust From Material Movement	—	—	—	—	—	—	2.77	2.77	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.14	1.64	< 0.005	0.01	—	0.01	0.01	—	0.01	—	282	282	0.01	< 0.005	—	283
Dust From Material Movement	—	—	—	—	—	—	0.32	0.32	—	0.15	0.15	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	< 0.005	< 0.005	0.03	0.30	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	46.8	46.8	< 0.005	< 0.005	—	46.9
Dust From Material Movement	—	—	—	—	—	—	0.06	0.06	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.03	0.37	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	116	116	< 0.005	< 0.005	0.01	117
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.08	0.02	1.59	0.59	0.01	0.02	0.45	0.47	0.02	0.12	0.15	—	1,425	1,425	0.06	0.23	0.06	1,496
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	13.6	13.6	< 0.005	< 0.005	0.01	13.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.18	0.07	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	164	164	0.01	0.03	0.11	172
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.25	2.25	< 0.005	< 0.005	< 0.005	2.28
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	27.1	27.1	< 0.005	< 0.005	0.02	28.5

3.5. Building Construction (2032) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.14	0.95	8.37	11.8	0.02	0.22	—	0.22	0.20	—	0.20	—	2,121	2,121	0.09	0.02	—	2,128
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.14	0.95	8.37	11.8	0.02	0.22	—	0.22	0.20	—	0.20	—	2,121	2,121	0.09	0.02	—	2,128
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.62	0.52	4.56	6.42	0.01	0.12	—	0.12	0.11	—	0.11	—	1,154	1,154	0.05	0.01	—	1,158
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.83	1.17	< 0.005	0.02	—	0.02	0.02	—	0.02	—	191	191	0.01	< 0.005	—	192
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.31	0.26	0.22	4.64	0.00	0.00	1.39	1.39	0.00	0.33	0.33	—	1,306	1,306	0.01	0.01	2.47	1,311
Vendor	0.07	0.03	1.09	0.54	0.01	0.01	0.36	0.36	0.01	0.10	0.11	—	1,096	1,096	0.04	0.16	2.49	1,146
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.31	0.26	0.27	3.93	0.00	0.00	1.39	1.39	0.00	0.33	0.33	—	1,238	1,238	0.01	0.01	0.06	1,241
Vendor	0.07	0.03	1.14	0.55	0.01	0.01	0.36	0.36	0.01	0.10	0.11	—	1,097	1,097	0.04	0.16	0.06	1,144
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.14	0.15	2.24	0.00	0.00	0.75	0.75	0.00	0.18	0.18	—	684	684	0.01	0.03	0.58	693
Vendor	0.04	0.01	0.62	0.30	0.01	0.01	0.19	0.20	0.01	0.05	0.06	—	596	596	0.02	0.08	0.58	623
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.41	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	113	113	< 0.005	< 0.005	0.10	115
Vendor	0.01	< 0.005	0.11	0.05	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	98.7	98.7	< 0.005	0.01	0.10	103
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Building Construction (2032) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.35	0.33	4.48	13.2	0.02	0.07	—	0.07	0.06	—	0.06	—	2,121	2,121	0.09	0.02	—	2,128
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.33	4.48	13.2	0.02	0.07	—	0.07	0.06	—	0.06	—	2,121	2,121	0.09	0.02	—	2,128
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.18	2.44	7.20	0.01	0.04	—	0.04	0.04	—	0.04	—	1,154	1,154	0.05	0.01	—	1,158
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.44	1.31	< 0.005	0.01	—	0.01	0.01	—	0.01	—	191	191	0.01	< 0.005	—	192
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.31	0.26	0.22	4.64	0.00	0.00	1.39	1.39	0.00	0.33	0.33	—	1,306	1,306	0.01	0.01	2.47	1,311
Vendor	0.07	0.03	1.09	0.54	0.01	0.01	0.36	0.36	0.01	0.10	0.11	—	1,096	1,096	0.04	0.16	2.49	1,146
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.31	0.26	0.27	3.93	0.00	0.00	1.39	1.39	0.00	0.33	0.33	—	1,238	1,238	0.01	0.01	0.06	1,241
Vendor	0.07	0.03	1.14	0.55	0.01	0.01	0.36	0.36	0.01	0.10	0.11	—	1,097	1,097	0.04	0.16	0.06	1,144
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.14	0.15	2.24	0.00	0.00	0.75	0.75	0.00	0.18	0.18	—	684	684	0.01	0.03	0.58	693
Vendor	0.04	0.01	0.62	0.30	0.01	0.01	0.19	0.20	0.01	0.05	0.06	—	596	596	0.02	0.08	0.58	623
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.41	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	113	113	< 0.005	< 0.005	0.10	115
Vendor	0.01	< 0.005	0.11	0.05	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	98.7	98.7	< 0.005	0.01	0.10	103
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.11	0.92	8.17	11.8	0.02	0.20	—	0.20	0.18	—	0.18	—	2,121	2,121	0.09	0.02	—	2,128
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.35	0.51	< 0.005	0.01	—	0.01	0.01	—	0.01	—	91.3	91.3	< 0.005	< 0.005	—	91.6
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.1	15.1	< 0.005	< 0.005	—	15.2
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.30	0.25	0.23	3.72	0.00	0.00	1.39	1.39	0.00	0.33	0.33	—	1,222	1,222	0.01	0.01	0.06	1,225
Vendor	0.07	0.03	1.10	0.53	0.01	0.01	0.36	0.36	0.01	0.10	0.11	—	1,059	1,059	0.04	0.16	0.06	1,107
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.17	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	53.4	53.4	< 0.005	< 0.005	0.04	53.5
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	45.6	45.6	< 0.005	0.01	0.04	47.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.84	8.84	< 0.005	< 0.005	0.01	8.86
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.55	7.55	< 0.005	< 0.005	0.01	7.89
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.33	4.48	13.2	0.02	0.07	—	0.07	0.06	—	0.06	—	2,121	2,121	0.09	0.02	—	2,128
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.19	0.57	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	91.3	91.3	< 0.005	< 0.005	—	91.6
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.04	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.1	15.1	< 0.005	< 0.005	—	15.2
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.30	0.25	0.23	3.72	0.00	0.00	1.39	1.39	0.00	0.33	0.33	—	1,222	1,222	0.01	0.01	0.06	1,225
Vendor	0.07	0.03	1.10	0.53	0.01	0.01	0.36	0.36	0.01	0.10	0.11	—	1,059	1,059	0.04	0.16	0.06	1,107
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.17	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	53.4	53.4	< 0.005	< 0.005	0.04	53.5
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	45.6	45.6	< 0.005	0.01	0.04	47.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.84	8.84	< 0.005	< 0.005	0.01	8.86
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.55	7.55	< 0.005	< 0.005	0.01	7.89
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	0.38	3.74	6.44	0.01	0.11	—	0.11	0.10	—	0.10	—	991	991	0.04	0.01	—	994
Paving	0.02	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	0.38	3.74	6.44	0.01	0.11	—	0.11	0.10	—	0.10	—	991	991	0.04	0.01	—	994
Paving	0.02	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.23	0.39	< 0.005	0.01	—	0.01	0.01	—	0.01	—	59.7	59.7	< 0.005	< 0.005	—	59.9
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.04	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.89	9.89	< 0.005	< 0.005	—	9.92
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.52	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	151	151	< 0.005	< 0.005	0.26	152
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.44	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	143	143	< 0.005	< 0.005	0.01	144
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.77	8.77	< 0.005	< 0.005	0.01	8.80
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.45	1.45	< 0.005	< 0.005	< 0.005	1.46
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Paving (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.14	1.30	6.89	0.01	0.03	—	0.03	0.03	—	0.03	—	991	991	0.04	0.01	—	994
Paving	0.02	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.14	1.30	6.89	0.01	0.03	—	0.03	0.03	—	0.03	—	991	991	0.04	0.01	—	994
Paving	0.02	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.42	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	59.7	59.7	< 0.005	< 0.005	—	59.9
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.89	9.89	< 0.005	< 0.005	—	9.92
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.52	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	151	151	< 0.005	< 0.005	0.26	152
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.44	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	143	143	< 0.005	< 0.005	0.01	144
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.77	8.77	< 0.005	< 0.005	0.01	8.80
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.45	1.45	< 0.005	< 0.005	< 0.005	1.46
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Architectural Coating (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.76	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134

Architectural Coating	5.63	5.63	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.09	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.7	15.7	< 0.005	< 0.005	—	15.8
Architectural Coatings	0.66	0.66	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.60	2.60	< 0.005	< 0.005	—	2.61
Architectural Coatings	0.12	0.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.05	0.74	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	244	244	< 0.005	< 0.005	0.01	245
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	29.2	29.2	< 0.005	< 0.005	0.02	29.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.84	4.84	< 0.005	< 0.005	< 0.005	4.85
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Architectural Coating (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	5.63	5.63	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	< 0.005	< 0.005	0.08	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.7	15.7	< 0.005	< 0.005	—	15.8
Architectural Coatings	0.66	0.66	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.60	2.60	< 0.005	< 0.005	—	2.61
Architectural Coatings	0.12	0.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.05	0.74	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	244	244	< 0.005	< 0.005	0.01	245
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	29.2	29.2	< 0.005	< 0.005	0.02	29.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.84	4.84	< 0.005	< 0.005	< 0.005	4.85
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	1/1/2032	1/28/2032	5.00	20.0	—
Grading	Grading	1/29/2032	3/28/2032	5.00	42.0	—
Building Construction	Building Construction	3/29/2032	1/22/2033	5.00	215	—
Paving	Paving	3/24/2033	4/22/2033	5.00	22.0	—
Architectural Coating	Architectural Coating	1/23/2033	3/23/2033	5.00	43.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Demolition	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	7.00	84.0	0.37
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Building Construction	Cranes	Diesel	Average	1.00	6.00	367	0.29
Building Construction	Forklifts	Diesel	Average	1.00	6.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	6.00	84.0	0.37
Building Construction	Welders	Diesel	Average	3.00	8.00	46.0	0.45
Building Construction	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Paving	Pavers	Diesel	Average	1.00	6.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	1.00	7.00	36.0	0.38
Paving	Cement and Mortar Mixers	Diesel	Average	1.00	6.00	10.0	0.56
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

Demolition	Tractors/Loaders/Back	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Demolition	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Grading	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	7.00	84.0	0.37
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	6.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	1.00	6.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	6.00	84.0	0.37
Building Construction	Welders	Diesel	Tier 4 Final	3.00	8.00	46.0	0.45
Building Construction	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Paving	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Paving	Pavers	Diesel	Tier 4 Final	1.00	6.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	1.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Tier 4 Final	1.00	7.00	36.0	0.38
Paving	Cement and Mortar Mixers	Diesel	Average	1.00	6.00	10.0	0.56
Architectural Coating	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	7.50	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT

Demolition	Hauling	8.00	30.5	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	10.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	16.0	30.5	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	106	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	41.6	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	12.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	21.3	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	7.50	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT

Demolition	Hauling	8.00	30.5	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	10.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	16.0	30.5	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	106	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	41.6	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	12.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	21.3	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	29,195	7,078	15,927

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	1,110	—
Grading	0.00	9,480	42.0	0.00	—
Paving	0.00	0.00	0.00	0.00	0.13

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Enclosed Parking with Elevator	0.00	0%
Unrefrigerated Warehouse-No Rail	0.00	0%
Other Non-Asphalt Surfaces	0.13	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2032	0.00	532	0.03	< 0.005

2033	0.00	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	6.58	annual days of extreme heat
Extreme Precipitation	4.40	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	32.1

AQ-PM	84.1
AQ-DPM	81.1
Drinking Water	50.7
Lead Risk Housing	93.2
Pesticides	0.00
Toxic Releases	97.9
Traffic	88.7
Effect Indicators	—
CleanUp Sites	43.2
Groundwater	65.3
Haz Waste Facilities/Generators	92.3
Impaired Water Bodies	66.7
Solid Waste	39.0
Sensitive Population	—
Asthma	96.0
Cardio-vascular	97.1
Low Birth Weights	87.6
Socioeconomic Factor Indicators	—
Education	91.3
Housing	68.5
Linguistic	74.8
Poverty	92.6
Unemployment	94.3

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—

Above Poverty	6.865135378
Employed	7.583728988
Median HI	20.41575773
Education	—
Bachelor's or higher	18.24714487
High school enrollment	100
Preschool enrollment	23.40562043
Transportation	—
Auto Access	19.3763634
Active commuting	78.62184011
Social	—
2-parent households	6.262030027
Voting	28.26895932
Neighborhood	—
Alcohol availability	17.00243809
Park access	81.35506224
Retail density	48.58206082
Supermarket access	75.02887206
Tree canopy	58.18041832
Housing	—
Homeownership	27.34505325
Housing habitability	10.48376748
Low-inc homeowner severe housing cost burden	18.96573848
Low-inc renter severe housing cost burden	20.28743744
Uncrowded housing	13.93558322
Health Outcomes	—
Insured adults	15.88605158
Arthritis	0.0

Asthma ER Admissions	11.0
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	6.0
Cognitively Disabled	28.0
Physically Disabled	18.0
Heart Attack ER Admissions	25.5
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	96.4
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	3.5
Elderly	97.2
English Speaking	31.4
Foreign-born	52.8

Outdoor Workers	74.3
Climate Change Adaptive Capacity	—
Impervious Surface Cover	32.8
Traffic Density	95.7
Traffic Access	87.4
Other Indices	—
Hardship	86.8
Other Decision Support	—
2016 Voting	9.5

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	99.0
Healthy Places Index Score for Project Location (b)	10.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	see construction assumptions
Construction: Construction Phases	see construction assumptions
Construction: Trips and VMT	see construction assumptions
Construction: Paving	see construction assumptions
Construction: Dust From Material Movement	See project assumptions
Construction: Architectural Coatings	See construction assumptions.
Construction: Off-Road Equipment	see assumptions sheet

CMWC P-9 Con Mit Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

3. Construction Emissions Details

3.1. Demolition (2032) - Unmitigated

3.2. Demolition (2032) - Mitigated

3.3. Grading (2032) - Unmitigated

3.4. Grading (2032) - Mitigated

3.5. Building Construction (2032) - Unmitigated

3.6. Building Construction (2032) - Mitigated

3.7. Building Construction (2033) - Unmitigated

3.8. Building Construction (2033) - Mitigated

3.9. Paving (2033) - Unmitigated

3.10. Paving (2033) - Mitigated

3.11. Architectural Coating (2033) - Unmitigated

3.12. Architectural Coating (2033) - Mitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	CMWC P-9 Con Mit
Construction Start Date	1/1/2032
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.20
Precipitation (days)	17.8
Location	1667 E 118th St, Los Angeles, CA 90059, USA
County	Los Angeles-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4210
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.26

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	72.0	Dwelling Unit	0.28	70,500	0.00	—	213	—

Other Non-Asphalt Surfaces	33.9	1000sqft	0.74	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.15	0.96	7.42	12.1	0.02	0.17	0.74	0.91	0.15	0.18	0.33	—	2,640	2,640	0.09	0.05	1.66	2,657
Mit.	0.48	0.43	4.63	13.4	0.02	0.06	0.74	0.81	0.06	0.18	0.24	—	2,640	2,640	0.09	0.05	1.66	2,657
% Reduced	58%	55%	38%	-11%	—	63%	—	12%	61%	—	28%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	21.0	21.0	11.9	14.3	0.04	0.45	3.58	4.02	0.41	1.55	1.97	—	4,709	4,709	0.20	0.37	0.10	4,823
Mit.	20.9	20.9	4.66	15.5	0.04	0.08	3.58	3.65	0.08	1.55	1.63	—	4,709	4,709	0.20	0.37	0.10	4,823
% Reduced	< 0.5%	< 0.5%	61%	-8%	—	82%	—	9%	81%	—	17%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.41	1.38	5.66	8.54	0.02	0.15	0.67	0.82	0.13	0.20	0.34	—	1,982	1,982	0.07	0.07	0.54	2,004
Mit.	1.32	1.31	3.09	9.44	0.02	0.04	0.67	0.71	0.04	0.20	0.24	—	1,982	1,982	0.07	0.07	0.54	2,004

% Reduced	6%	5%	45%	-11%	—	69%	—	12%	68%	—	27%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.26	0.25	1.03	1.56	< 0.005	0.03	0.12	0.15	0.02	0.04	0.06	—	328	328	0.01	0.01	0.09	332
Mit.	0.24	0.24	0.56	1.72	< 0.005	0.01	0.12	0.13	0.01	0.04	0.04	—	328	328	0.01	0.01	0.09	332
% Reduced	6%	5%	45%	-11%	—	69%	—	12%	68%	—	27%	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2032	1.15	0.96	7.42	12.1	0.02	0.17	0.74	0.91	0.15	0.18	0.33	—	2,640	2,640	0.09	0.05	1.66	2,657
2033	0.50	0.42	3.77	6.96	0.01	0.11	0.16	0.27	0.10	0.04	0.14	—	1,142	1,142	0.04	0.01	0.26	1,146
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2032	1.58	1.25	11.9	14.3	0.04	0.45	3.58	4.02	0.41	1.55	1.97	—	4,709	4,709	0.20	0.37	0.10	4,823
2033	21.0	21.0	7.27	11.6	0.02	0.15	0.74	0.90	0.14	0.18	0.32	—	2,592	2,592	0.09	0.05	0.04	2,608
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2032	0.85	0.70	5.66	8.54	0.02	0.15	0.67	0.82	0.13	0.20	0.34	—	1,982	1,982	0.07	0.07	0.54	2,004
2033	1.41	1.38	1.02	1.69	< 0.005	0.02	0.09	0.11	0.02	0.02	0.04	—	348	348	0.01	0.01	0.08	350
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2032	0.16	0.13	1.03	1.56	< 0.005	0.03	0.12	0.15	0.02	0.04	0.06	—	328	328	0.01	0.01	0.09	332
2033	0.26	0.25	0.19	0.31	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	57.7	57.7	< 0.005	< 0.005	0.01	58.0

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2032	0.48	0.43	4.63	13.4	0.02	0.06	0.74	0.81	0.06	0.18	0.24	—	2,640	2,640	0.09	0.05	1.66	2,657
2033	0.19	0.18	1.32	7.41	0.01	0.03	0.16	0.19	0.03	0.04	0.07	—	1,142	1,142	0.04	0.01	0.26	1,146
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2032	0.48	0.43	4.66	15.5	0.04	0.08	3.58	3.65	0.08	1.55	1.63	—	4,709	4,709	0.20	0.37	0.10	4,823
2033	20.9	20.9	4.63	12.9	0.02	0.06	0.74	0.81	0.06	0.18	0.24	—	2,592	2,592	0.09	0.05	0.04	2,608
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2032	0.33	0.29	3.09	9.44	0.02	0.04	0.67	0.71	0.04	0.20	0.24	—	1,982	1,982	0.07	0.07	0.54	2,004
2033	1.32	1.31	0.59	1.85	< 0.005	0.01	0.09	0.10	0.01	0.02	0.03	—	348	348	0.01	0.01	0.08	350
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2032	0.06	0.05	0.56	1.72	< 0.005	0.01	0.12	0.13	0.01	0.04	0.04	—	328	328	0.01	0.01	0.09	332
2033	0.24	0.24	0.11	0.34	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	57.7	57.7	< 0.005	< 0.005	0.01	58.0

3. Construction Emissions Details

3.1. Demolition (2032) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.14	0.96	8.02	9.86	0.02	0.32	—	0.32	0.30	—	0.30	—	1,959	1,959	0.08	0.02	—	1,965
Demolition	—	—	—	—	—	—	0.06	0.06	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.44	0.54	< 0.005	0.02	—	0.02	0.02	—	0.02	—	107	107	< 0.005	< 0.005	—	108
Demolition	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	17.8	17.8	< 0.005	< 0.005	—	17.8
Demolition	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.02	0.02	0.02	0.28	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	87.2	87.2	< 0.005	< 0.005	< 0.005	87.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.20	0.07	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	178	178	0.01	0.03	0.01	187
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.85	4.85	< 0.005	< 0.005	< 0.005	4.91
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.76	9.76	< 0.005	< 0.005	0.01	10.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.80	0.80	< 0.005	< 0.005	< 0.005	0.81
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.62	1.62	< 0.005	< 0.005	< 0.005	1.70

3.2. Demolition (2032) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.18	0.96	10.8	0.02	0.04	—	0.04	0.04	—	0.04	—	1,959	1,959	0.08	0.02	—	1,965
Demolition	—	—	—	—	—	—	0.06	0.06	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.59	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	107	107	< 0.005	< 0.005	—	108
Demolition	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	17.8	17.8	< 0.005	< 0.005	—	17.8
Demolition	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.28	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	87.2	87.2	< 0.005	< 0.005	< 0.005	87.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.20	0.07	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	178	178	0.01	0.03	0.01	187
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.85	4.85	< 0.005	< 0.005	< 0.005	4.91
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.76	9.76	< 0.005	< 0.005	0.01	10.2

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.80	0.80	< 0.005	< 0.005	< 0.005	0.81
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.62	1.62	< 0.005	< 0.005	< 0.005	1.70

3.3. Grading (2032) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.42	1.20	9.50	13.0	0.02	0.41	—	0.41	0.38	—	0.38	—	2,455	2,455	0.10	0.02	—	2,463
Dust From Material Movement	—	—	—	—	—	—	2.77	2.77	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.07	0.57	0.79	< 0.005	0.02	—	0.02	0.02	—	0.02	—	148	148	0.01	< 0.005	—	148
Dust From Material Movement	—	—	—	—	—	—	0.17	0.17	—	0.08	0.08	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.10	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	24.5	24.5	< 0.005	< 0.005	—	24.6
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.03	0.37	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	116	116	< 0.005	< 0.005	0.01	117
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.13	0.03	2.38	0.88	0.02	0.03	0.68	0.71	0.03	0.19	0.22	—	2,138	2,138	0.10	0.35	0.09	2,243
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.11	7.11	< 0.005	< 0.005	0.01	7.21
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.14	0.05	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	129	129	0.01	0.02	0.09	135
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.18	1.18	< 0.005	< 0.005	< 0.005	1.19
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	21.3	21.3	< 0.005	< 0.005	0.01	22.4

3.4. Grading (2032) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.23	1.20	14.2	0.02	0.05	—	0.05	0.05	—	0.05	—	2,455	2,455	0.10	0.02	—	2,463
Dust From Material Movement	—	—	—	—	—	—	2.77	2.77	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.86	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	148	148	0.01	< 0.005	—	148
Dust From Material Movement	—	—	—	—	—	—	0.17	0.17	—	0.08	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	< 0.005	< 0.005	0.01	0.16	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	24.5	24.5	< 0.005	< 0.005	—	24.6
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.03	0.37	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	116	116	< 0.005	< 0.005	0.01	117
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.13	0.03	2.38	0.88	0.02	0.03	0.68	0.71	0.03	0.19	0.22	—	2,138	2,138	0.10	0.35	0.09	2,243
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.11	7.11	< 0.005	< 0.005	0.01	7.21
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.14	0.05	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	129	129	0.01	0.02	0.09	135
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.18	1.18	< 0.005	< 0.005	< 0.005	1.19
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	21.3	21.3	< 0.005	< 0.005	0.01	22.4

3.5. Building Construction (2032) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.99	0.82	7.11	9.70	0.02	0.17	—	0.17	0.15	—	0.15	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.99	0.82	7.11	9.70	0.02	0.17	—	0.17	0.15	—	0.15	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.60	0.50	4.29	5.84	0.01	0.10	—	0.10	0.09	—	0.09	—	1,086	1,086	0.04	0.01	—	1,089
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.78	1.07	< 0.005	0.02	—	0.02	0.02	—	0.02	—	180	180	0.01	< 0.005	—	180
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.11	2.26	0.00	0.00	0.68	0.68	0.00	0.16	0.16	—	636	636	0.01	< 0.005	1.20	638
Vendor	0.01	0.01	0.20	0.10	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	203	203	0.01	0.03	0.46	212
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.13	1.91	0.00	0.00	0.68	0.68	0.00	0.16	0.16	—	603	603	0.01	< 0.005	0.03	604
Vendor	0.01	< 0.005	0.21	0.10	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	203	203	0.01	0.03	0.01	212
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.08	1.21	0.00	0.00	0.40	0.40	0.00	0.09	0.09	—	369	369	< 0.005	0.01	0.31	374
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	122	122	< 0.005	0.02	0.12	128
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.22	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	61.0	61.0	< 0.005	< 0.005	0.05	61.8
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	20.3	20.3	< 0.005	< 0.005	0.02	21.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Building Construction (2032) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.32	0.30	4.32	11.0	0.02	0.06	—	0.06	0.06	—	0.06	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	0.30	4.32	11.0	0.02	0.06	—	0.06	0.06	—	0.06	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.18	2.60	6.63	0.01	0.04	—	0.04	0.04	—	0.04	—	1,086	1,086	0.04	0.01	—	1,089
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.48	1.21	< 0.005	0.01	—	0.01	0.01	—	0.01	—	180	180	0.01	< 0.005	—	180
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.11	2.26	0.00	0.00	0.68	0.68	0.00	0.16	0.16	—	636	636	0.01	< 0.005	1.20	638
Vendor	0.01	0.01	0.20	0.10	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	203	203	0.01	0.03	0.46	212
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.13	1.91	0.00	0.00	0.68	0.68	0.00	0.16	0.16	—	603	603	0.01	< 0.005	0.03	604
Vendor	0.01	< 0.005	0.21	0.10	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	203	203	0.01	0.03	0.01	212
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.08	1.21	0.00	0.00	0.40	0.40	0.00	0.09	0.09	—	369	369	< 0.005	0.01	0.31	374
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	122	122	< 0.005	0.02	0.12	128
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.22	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	61.0	61.0	< 0.005	< 0.005	0.05	61.8
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	20.3	20.3	< 0.005	< 0.005	0.02	21.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.97	0.81	6.96	9.69	0.02	0.15	—	0.15	0.14	—	0.14	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	0.71	0.99	< 0.005	0.02	—	0.02	0.01	—	0.01	—	183	183	0.01	< 0.005	—	184
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.13	0.18	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	30.3	30.3	< 0.005	< 0.005	—	30.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.12	0.11	1.81	0.00	0.00	0.68	0.68	0.00	0.16	0.16	—	595	595	0.01	< 0.005	0.03	596
Vendor	0.01	< 0.005	0.20	0.10	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	196	196	0.01	0.03	0.01	205
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.19	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	61.4	61.4	< 0.005	< 0.005	0.05	61.6
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	20.0	20.0	< 0.005	< 0.005	0.02	20.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.2	10.2	< 0.005	< 0.005	0.01	10.2
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.30	3.30	< 0.005	< 0.005	< 0.005	3.46
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	0.30	4.32	11.0	0.02	0.06	—	0.06	0.06	—	0.06	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.44	1.12	< 0.005	0.01	—	0.01	0.01	—	0.01	—	183	183	0.01	< 0.005	—	184
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.20	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	30.3	30.3	< 0.005	< 0.005	—	30.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.12	0.11	1.81	0.00	0.00	0.68	0.68	0.00	0.16	0.16	—	595	595	0.01	< 0.005	0.03	596
Vendor	0.01	< 0.005	0.20	0.10	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	196	196	0.01	0.03	0.01	205
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.19	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	61.4	61.4	< 0.005	< 0.005	0.05	61.6
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	20.0	20.0	< 0.005	< 0.005	0.02	20.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.2	10.2	< 0.005	< 0.005	0.01	10.2
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.30	3.30	< 0.005	< 0.005	< 0.005	3.46
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	0.38	3.74	6.44	0.01	0.11	—	0.11	0.10	—	0.10	—	991	991	0.04	0.01	—	994
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	0.38	3.74	6.44	0.01	0.11	—	0.11	0.10	—	0.10	—	991	991	0.04	0.01	—	994
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.23	0.39	< 0.005	0.01	—	0.01	0.01	—	0.01	—	59.7	59.7	< 0.005	< 0.005	—	59.9
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.04	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.89	9.89	< 0.005	< 0.005	—	9.92
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.52	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	151	151	< 0.005	< 0.005	0.26	152
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.44	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	143	143	< 0.005	< 0.005	0.01	144
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.77	8.77	< 0.005	< 0.005	0.01	8.80
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.45	1.45	< 0.005	< 0.005	< 0.005	1.46
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Paving (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.14	1.30	6.89	0.01	0.03	—	0.03	0.03	—	0.03	—	991	991	0.04	0.01	—	994
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.14	1.30	6.89	0.01	0.03	—	0.03	0.03	—	0.03	—	991	991	0.04	0.01	—	994
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.42	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	59.7	59.7	< 0.005	< 0.005	—	59.9
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.89	9.89	< 0.005	< 0.005	—	9.92
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.52	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	151	151	< 0.005	< 0.005	0.26	152
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.44	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	143	143	< 0.005	< 0.005	0.01	144
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.77	8.77	< 0.005	< 0.005	0.01	8.80
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.45	1.45	< 0.005	< 0.005	< 0.005	1.46
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Architectural Coating (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.76	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134

Architectural Coating	20.8	20.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.05	8.05	< 0.005	< 0.005	—	8.08
Architectural Coatings	1.26	1.26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.33	1.33	< 0.005	< 0.005	—	1.34
Architectural Coatings	0.23	0.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.36	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	119	119	< 0.005	< 0.005	0.01	119
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.28	7.28	< 0.005	< 0.005	0.01	7.30
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.20	1.20	< 0.005	< 0.005	< 0.005	1.21
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Architectural Coating (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	20.8	20.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	< 0.005	< 0.005	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.05	8.05	< 0.005	< 0.005	—	8.08
Architectural Coatings	1.26	1.26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.33	1.33	< 0.005	< 0.005	—	1.34
Architectural Coatings	0.23	0.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.36	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	119	119	< 0.005	< 0.005	0.01	119
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.28	7.28	< 0.005	< 0.005	0.01	7.30
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.20	1.20	< 0.005	< 0.005	< 0.005	1.21
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	1/1/2032	1/28/2032	5.00	20.0	—
Grading	Grading	1/29/2032	2/27/2032	5.00	22.0	—
Building Construction	Building Construction	2/28/2032	2/21/2033	5.00	256	—
Paving	Paving	3/24/2033	4/22/2033	5.00	22.0	—
Architectural Coating	Architectural Coating	2/22/2033	3/23/2033	5.00	22.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Demolition	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	7.00	84.0	0.37
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Building Construction	Cranes	Diesel	Average	1.00	6.00	367	0.29
Building Construction	Forklifts	Diesel	Average	1.00	6.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	6.00	84.0	0.37
Building Construction	Welders	Diesel	Average	3.00	8.00	46.0	0.45
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Paving	Pavers	Diesel	Average	1.00	6.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	1.00	7.00	36.0	0.38
Paving	Cement and Mortar Mixers	Diesel	Average	1.00	6.00	10.0	0.56
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37

Demolition	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Grading	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	7.00	84.0	0.37
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	6.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	1.00	6.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	6.00	84.0	0.37
Building Construction	Welders	Diesel	Tier 4 Final	3.00	8.00	46.0	0.45
Paving	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Paving	Pavers	Diesel	Tier 4 Final	1.00	6.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	1.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Tier 4 Final	1.00	7.00	36.0	0.38
Paving	Cement and Mortar Mixers	Diesel	Average	1.00	6.00	10.0	0.56
Architectural Coating	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	7.50	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	2.00	30.5	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—

Grading	Worker	10.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	24.0	30.5	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	51.8	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	7.70	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	12.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	10.4	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	7.50	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	2.00	30.5	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—

Grading	Worker	10.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	24.0	30.5	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	51.8	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	7.70	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	12.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	10.4	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	142,763	47,588	1,526	170	2,034

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	90.0	—
Grading	—	5,670	22.0	0.00	—
Paving	0.00	0.00	0.00	0.00	0.07

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Mid Rise	0.00	0%
Other Non-Asphalt Surfaces	0.07	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2032	0.00	532	0.03	< 0.005
2033	0.00	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	6.58	annual days of extreme heat
Extreme Precipitation	4.40	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	32.1
AQ-PM	84.1

AQ-DPM	81.1
Drinking Water	50.7
Lead Risk Housing	93.2
Pesticides	0.00
Toxic Releases	97.9
Traffic	88.7
Effect Indicators	—
CleanUp Sites	43.2
Groundwater	65.3
Haz Waste Facilities/Generators	92.3
Impaired Water Bodies	66.7
Solid Waste	39.0
Sensitive Population	—
Asthma	96.0
Cardio-vascular	97.1
Low Birth Weights	87.6
Socioeconomic Factor Indicators	—
Education	91.3
Housing	68.5
Linguistic	74.8
Poverty	92.6
Unemployment	94.3

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	6.865135378

Employed	7.583728988
Median HI	20.41575773
Education	—
Bachelor's or higher	18.24714487
High school enrollment	100
Preschool enrollment	23.40562043
Transportation	—
Auto Access	19.3763634
Active commuting	78.62184011
Social	—
2-parent households	6.262030027
Voting	28.26895932
Neighborhood	—
Alcohol availability	17.00243809
Park access	81.35506224
Retail density	48.58206082
Supermarket access	75.02887206
Tree canopy	58.18041832
Housing	—
Homeownership	27.34505325
Housing habitability	10.48376748
Low-inc homeowner severe housing cost burden	18.96573848
Low-inc renter severe housing cost burden	20.28743744
Uncrowded housing	13.93558322
Health Outcomes	—
Insured adults	15.88605158
Arthritis	0.0
Asthma ER Admissions	11.0

High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	6.0
Cognitively Disabled	28.0
Physically Disabled	18.0
Heart Attack ER Admissions	25.5
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	96.4
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	3.5
Elderly	97.2
English Speaking	31.4
Foreign-born	52.8
Outdoor Workers	74.3

Climate Change Adaptive Capacity	—
Impervious Surface Cover	32.8
Traffic Density	95.7
Traffic Access	87.4
Other Indices	—
Hardship	86.8
Other Decision Support	—
2016 Voting	9.5

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	99.0
Healthy Places Index Score for Project Location (b)	10.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification

Land Use	see construction assumptions
Construction: Construction Phases	see construction assumptions
Construction: Trips and VMT	see construction assumptions
Construction: Paving	see construction assumptions
Construction: Architectural Coatings	See construction assumptions.
Construction: Off-Road Equipment	see assumptions sheet
Construction: Dust From Material Movement	see assumptions sheet

CMWC P-10 Con Mit Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

3. Construction Emissions Details

3.1. Demolition (2033) - Unmitigated

3.2. Demolition (2033) - Mitigated

3.3. Grading (2033) - Unmitigated

3.4. Grading (2033) - Mitigated

3.5. Building Construction (2033) - Unmitigated

3.6. Building Construction (2033) - Mitigated

3.7. Building Construction (2034) - Unmitigated

3.8. Building Construction (2034) - Mitigated

3.9. Paving (2034) - Unmitigated

3.10. Paving (2034) - Mitigated

3.11. Architectural Coating (2034) - Unmitigated

3.12. Architectural Coating (2034) - Mitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	CMWC P-10 Con Mit
Construction Start Date	8/1/2033
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.20
Precipitation (days)	17.8
Location	1667 E 118th St, Los Angeles, CA 90059, USA
County	Los Angeles-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4210
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.26

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Health Club	43.1	1000sqft	0.70	43,100	0.00	—	—	—
Other Non-Asphalt Surfaces	21.2	1000sqft	0.49	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	18.8	18.8	14.0	14.9	0.06	0.46	4.43	4.89	0.43	1.79	2.21	—	7,266	7,266	0.28	0.76	7.27	7,507
Mit.	18.7	18.7	6.20	16.5	0.06	0.12	4.43	4.55	0.12	1.79	1.90	—	7,266	7,266	0.28	0.76	7.27	7,507
% Reduced	< 0.5%	< 0.5%	56%	-11%	—	74%	—	7%	72%	—	14%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	18.8	18.8	7.18	10.4	0.02	0.15	0.30	0.45	0.14	0.07	0.21	—	2,189	2,189	0.08	0.04	0.02	2,204
Mit.	18.7	18.7	4.54	11.7	0.02	0.06	0.30	0.36	0.06	0.07	0.13	—	2,189	2,189	0.08	0.04	0.02	2,204
% Reduced	< 0.5%	< 0.5%	37%	-13%	—	59%	—	20%	57%	—	38%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.68	1.59	3.89	5.80	0.01	0.08	0.37	0.45	0.07	0.13	0.19	—	1,196	1,196	0.04	0.06	0.27	1,204
Mit.	1.33	1.31	2.45	6.49	0.01	0.03	0.37	0.40	0.03	0.13	0.15	—	1,196	1,196	0.04	0.06	0.27	1,204
% Reduced	21%	17%	37%	-12%	—	57%	—	11%	55%	—	24%	—	—	—	—	—	—	—

Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.31	0.29	0.71	1.06	< 0.005	0.01	0.07	0.08	0.01	0.02	0.03	—	198	198	0.01	0.01	0.04	199
Mit.	0.24	0.24	0.45	1.18	< 0.005	0.01	0.07	0.07	0.01	0.02	0.03	—	198	198	0.01	0.01	0.04	199
% Reduced	21%	17%	37%	-12%	—	57%	—	11%	55%	—	24%	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2033	1.70	1.26	14.0	14.9	0.06	0.46	4.43	4.89	0.43	1.79	2.21	—	7,266	7,266	0.28	0.76	7.27	7,507
2034	18.8	18.8	7.05	10.5	0.02	0.14	0.30	0.44	0.13	0.07	0.20	—	2,191	2,191	0.08	0.04	0.71	2,206
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2033	1.03	0.85	7.18	10.4	0.02	0.15	0.30	0.45	0.14	0.07	0.21	—	2,189	2,189	0.08	0.04	0.02	2,204
2034	18.8	18.8	7.06	10.4	0.02	0.14	0.30	0.44	0.13	0.07	0.20	—	2,180	2,180	0.08	0.04	0.02	2,194
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2033	0.35	0.28	2.62	3.34	0.01	0.07	0.37	0.45	0.07	0.13	0.19	—	974	974	0.04	0.06	0.27	992
2034	1.68	1.59	3.89	5.80	0.01	0.08	0.16	0.24	0.07	0.04	0.11	—	1,196	1,196	0.04	0.02	0.16	1,204
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2033	0.06	0.05	0.48	0.61	< 0.005	0.01	0.07	0.08	0.01	0.02	0.03	—	161	161	0.01	0.01	0.04	164
2034	0.31	0.29	0.71	1.06	< 0.005	0.01	0.03	0.04	0.01	0.01	0.02	—	198	198	0.01	< 0.005	0.03	199

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2033	0.55	0.35	6.20	16.5	0.06	0.12	4.43	4.55	0.12	1.79	1.90	—	7,266	7,266	0.28	0.76	7.27	7,507
2034	18.7	18.7	4.52	11.8	0.02	0.06	0.30	0.36	0.06	0.07	0.13	—	2,191	2,191	0.08	0.04	0.71	2,206
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2033	0.38	0.34	4.54	11.7	0.02	0.06	0.30	0.36	0.06	0.07	0.13	—	2,189	2,189	0.08	0.04	0.02	2,204
2034	18.7	18.7	4.54	11.7	0.02	0.06	0.30	0.36	0.06	0.07	0.13	—	2,180	2,180	0.08	0.04	0.02	2,194
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2033	0.12	0.09	1.33	3.76	0.01	0.02	0.37	0.40	0.02	0.13	0.15	—	974	974	0.04	0.06	0.27	992
2034	1.33	1.31	2.45	6.49	0.01	0.03	0.16	0.20	0.03	0.04	0.07	—	1,196	1,196	0.04	0.02	0.16	1,204
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2033	0.02	0.02	0.24	0.69	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.03	—	161	161	0.01	0.01	0.04	164
2034	0.24	0.24	0.45	1.18	< 0.005	0.01	0.03	0.04	0.01	0.01	0.01	—	198	198	0.01	< 0.005	0.03	199

3. Construction Emissions Details

3.1. Demolition (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.11	0.93	7.64	9.40	0.02	0.30	—	0.30	0.27	—	0.27	—	1,959	1,959	0.08	0.02	—	1,965

Demoliti	—	—	—	—	—	—	1.03	1.03	—	0.16	0.16	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.42	0.52	< 0.005	0.02	—	0.02	0.02	—	0.02	—	107	107	< 0.005	< 0.005	—	108
Demolition	—	—	—	—	—	—	0.06	0.06	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	17.8	17.8	< 0.005	< 0.005	—	17.8
Demolition	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.31	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	90.7	90.7	< 0.005	< 0.005	0.15	91.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.92	0.35	0.01	0.01	0.28	0.30	0.01	0.08	0.09	—	869	869	0.03	0.14	1.31	912
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.79	4.79	< 0.005	< 0.005	< 0.005	4.80
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	47.6	47.6	< 0.005	0.01	0.03	49.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.79	0.79	< 0.005	< 0.005	< 0.005	0.79
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.88	7.88	< 0.005	< 0.005	0.01	8.26

3.2. Demolition (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.18	0.96	10.8	0.02	0.04	—	0.04	0.04	—	0.04	—	1,959	1,959	0.08	0.02	—	1,965
Demolition	—	—	—	—	—	—	1.03	1.03	—	0.16	0.16	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	0.01	0.05	0.59	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	107	107	< 0.005	< 0.005	—	108
Demolition	—	—	—	—	—	—	0.06	0.06	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	17.8	17.8	< 0.005	< 0.005	—	17.8
Demolition	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.31	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	90.7	90.7	< 0.005	< 0.005	0.15	91.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.92	0.35	0.01	0.01	0.28	0.30	0.01	0.08	0.09	—	869	869	0.03	0.14	1.31	912
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.79	4.79	< 0.005	< 0.005	< 0.005	4.80
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	47.6	47.6	< 0.005	0.01	0.03	49.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.79	0.79	< 0.005	< 0.005	< 0.005	0.79

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.88	7.88	< 0.005	< 0.005	0.01	8.26

3.3. Grading (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.38	1.16	9.05	12.6	0.02	0.39	—	0.39	0.35	—	0.35	—	2,455	2,455	0.10	0.02	—	2,463
Dust From Material Movement	—	—	—	—	—	—	2.77	2.77	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.06	0.50	0.69	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	135
Dust From Material Movement	—	—	—	—	—	—	0.15	0.15	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.09	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	22.3	22.3	< 0.005	< 0.005	—	22.3
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.41	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	121	121	< 0.005	< 0.005	0.20	121
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.29	0.07	4.97	1.89	0.04	0.07	1.53	1.60	0.07	0.42	0.49	—	4,690	4,690	0.18	0.74	7.06	4,923
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.38	6.38	< 0.005	< 0.005	< 0.005	6.40
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.29	0.10	< 0.005	< 0.005	0.08	0.09	< 0.005	0.02	0.03	—	257	257	0.01	0.04	0.17	270
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.06	1.06	< 0.005	< 0.005	< 0.005	1.06
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	42.6	42.6	< 0.005	0.01	0.03	44.6

3.4. Grading (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.23	1.20	14.2	0.02	0.05	—	0.05	0.05	—	0.05	—	2,455	2,455	0.10	0.02	—	2,463
Dust From Material Movement	—	—	—	—	—	—	2.77	2.77	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.78	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	135
Dust From Material Movement	—	—	—	—	—	—	0.15	0.15	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	22.3	22.3	< 0.005	< 0.005	—	22.3

Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.41	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	121	121	< 0.005	< 0.005	0.20	121
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.29	0.07	4.97	1.89	0.04	0.07	1.53	1.60	0.07	0.42	0.49	—	4,690	4,690	0.18	0.74	7.06	4,923
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.38	6.38	< 0.005	< 0.005	< 0.005	6.40
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.29	0.10	< 0.005	< 0.005	0.08	0.09	< 0.005	0.02	0.03	—	257	257	0.01	0.04	0.17	270
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.06	1.06	< 0.005	< 0.005	< 0.005	1.06
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	42.6	42.6	< 0.005	0.01	0.03	44.6

3.5. Building Construction (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.97	0.81	6.96	9.69	0.02	0.15	—	0.15	0.14	—	0.14	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.97	0.81	6.96	9.69	0.02	0.15	—	0.15	0.14	—	0.14	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.15	1.32	1.84	< 0.005	0.03	—	0.03	0.03	—	0.03	—	342	342	0.01	< 0.005	—	343
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.24	0.34	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	56.6	56.6	< 0.005	< 0.005	—	56.8
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.05	0.04	0.04	0.75	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	219	219	< 0.005	< 0.005	0.37	220
Vendor	0.01	< 0.005	0.18	0.09	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	180	180	0.01	0.03	0.40	188
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.04	0.63	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	208	208	< 0.005	< 0.005	0.01	208
Vendor	0.01	< 0.005	0.19	0.09	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	180	180	0.01	0.03	0.01	188
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	40.0	40.0	< 0.005	< 0.005	0.03	40.1
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	34.2	34.2	< 0.005	0.01	0.03	35.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.62	6.62	< 0.005	< 0.005	0.01	6.64
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.66	5.66	< 0.005	< 0.005	0.01	5.92
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Building Construction (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	0.30	4.32	11.0	0.02	0.06	—	0.06	0.06	—	0.06	—	1,801	1,801	0.07	0.01	—	1,807

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	0.30	4.32	11.0	0.02	0.06	—	0.06	0.06	—	0.06	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.06	0.82	2.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	342	342	0.01	< 0.005	—	343
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.15	0.38	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	56.6	56.6	< 0.005	< 0.005	—	56.8
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.04	0.75	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	219	219	< 0.005	< 0.005	0.37	220
Vendor	0.01	< 0.005	0.18	0.09	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	180	180	0.01	0.03	0.40	188
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.05	0.04	0.04	0.63	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	208	208	< 0.005	< 0.005	0.01	208
Vendor	0.01	< 0.005	0.19	0.09	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	180	180	0.01	0.03	0.01	188
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	40.0	40.0	< 0.005	< 0.005	0.03	40.1
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	34.2	34.2	< 0.005	0.01	0.03	35.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.62	6.62	< 0.005	< 0.005	0.01	6.64
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.66	5.66	< 0.005	< 0.005	0.01	5.92
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2034) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.96	0.79	6.85	9.68	0.02	0.14	—	0.14	0.13	—	0.13	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.96	0.79	6.85	9.68	0.02	0.14	—	0.14	0.13	—	0.13	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49	0.41	3.52	4.98	0.01	0.07	—	0.07	0.07	—	0.07	—	927	927	0.04	0.01	—	930
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.07	0.64	0.91	< 0.005	0.01	—	0.01	0.01	—	0.01	—	153	153	0.01	< 0.005	—	154
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.71	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	216	216	< 0.005	< 0.005	0.32	217
Vendor	0.01	< 0.005	0.17	0.08	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	174	174	0.01	0.02	0.38	182
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.60	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	205	205	< 0.005	< 0.005	0.01	206
Vendor	0.01	< 0.005	0.18	0.09	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	174	174	0.01	0.02	0.01	181
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.32	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	107	107	< 0.005	< 0.005	0.07	107
Vendor	0.01	< 0.005	0.09	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	89.5	89.5	< 0.005	0.01	0.09	93.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	17.8	17.8	< 0.005	< 0.005	0.01	17.8
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	14.8	14.8	< 0.005	< 0.005	0.01	15.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2034) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	0.30	4.32	11.0	0.02	0.06	—	0.06	0.06	—	0.06	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	0.30	4.32	11.0	0.02	0.06	—	0.06	0.06	—	0.06	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.15	2.22	5.66	0.01	0.03	—	0.03	0.03	—	0.03	—	927	927	0.04	0.01	—	930
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.41	1.03	< 0.005	0.01	—	0.01	0.01	—	0.01	—	153	153	0.01	< 0.005	—	154
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.71	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	216	216	< 0.005	< 0.005	0.32	217
Vendor	0.01	< 0.005	0.17	0.08	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	174	174	0.01	0.02	0.38	182
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.60	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	205	205	< 0.005	< 0.005	0.01	206
Vendor	0.01	< 0.005	0.18	0.09	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	174	174	0.01	0.02	0.01	181
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.32	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	107	107	< 0.005	< 0.005	0.07	107
Vendor	0.01	< 0.005	0.09	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	89.5	89.5	< 0.005	0.01	0.09	93.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	17.8	17.8	< 0.005	< 0.005	0.01	17.8
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	14.8	14.8	< 0.005	< 0.005	0.01	15.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2034) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	0.38	3.71	6.44	0.01	0.10	—	0.10	0.10	—	0.10	—	991	991	0.04	0.01	—	994
Paving	0.02	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.20	0.35	< 0.005	0.01	—	0.01	0.01	—	0.01	—	54.3	54.3	< 0.005	< 0.005	—	54.5
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	< 0.005	< 0.005	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.99	8.99	< 0.005	< 0.005	—	9.02
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.41	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	142	142	< 0.005	< 0.005	0.01	142
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.88	7.88	< 0.005	< 0.005	0.01	7.90
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.30	1.30	< 0.005	< 0.005	< 0.005	1.31
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Paving (2034) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.14	1.30	6.89	0.01	0.03	—	0.03	0.03	—	0.03	—	991	991	0.04	0.01	—	994
Paving	0.02	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.38	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	54.3	54.3	< 0.005	< 0.005	—	54.5
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.99	8.99	< 0.005	< 0.005	—	9.02
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.41	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	142	142	< 0.005	< 0.005	0.01	142
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.88	7.88	< 0.005	< 0.005	0.01	7.90
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.30	1.30	< 0.005	< 0.005	< 0.005	1.31
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Architectural Coating (2034) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.76	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	18.7	18.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.76	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	18.7	18.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.05	8.05	< 0.005	< 0.005	—	8.08
Architectural Coatings	1.12	1.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.33	1.33	< 0.005	< 0.005	—	1.34
Architectural Coatings	0.21	0.21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.14	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	43.3	43.3	< 0.005	< 0.005	0.06	43.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.12	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	41.1	41.1	< 0.005	< 0.005	< 0.005	41.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.51	2.51	< 0.005	< 0.005	< 0.005	2.52
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.42	0.42	< 0.005	< 0.005	< 0.005	0.42
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Architectural Coating (2034) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	18.7	18.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	18.7	18.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.05	8.05	< 0.005	< 0.005	—	8.08
Architectural Coatings	1.12	1.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.33	1.33	< 0.005	< 0.005	—	1.34

Architect Coatings	0.21	0.21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.14	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	43.3	43.3	< 0.005	< 0.005	0.06	43.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.12	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	41.1	41.1	< 0.005	< 0.005	< 0.005	41.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.51	2.51	< 0.005	< 0.005	< 0.005	2.52
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.42	0.42	< 0.005	< 0.005	< 0.005	0.42
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Remove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	8/1/2033	8/26/2033	5.00	20.0	—
Grading	Grading	8/27/2033	9/25/2033	5.00	20.0	—
Building Construction	Building Construction	9/26/2033	9/20/2034	5.00	258	—
Paving	Paving	10/21/2034	11/19/2034	5.00	20.0	—
Architectural Coating	Architectural Coating	9/21/2034	10/20/2034	5.00	22.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Demolition	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	7.00	84.0	0.37

Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Building Construction	Cranes	Diesel	Average	1.00	6.00	367	0.29
Building Construction	Forklifts	Diesel	Average	1.00	6.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	6.00	84.0	0.37
Building Construction	Welders	Diesel	Average	3.00	8.00	46.0	0.45
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Paving	Pavers	Diesel	Average	1.00	6.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	1.00	7.00	36.0	0.38
Paving	Cement and Mortar Mixers	Diesel	Average	1.00	6.00	10.0	0.56
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Demolition	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Grading	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	7.00	84.0	0.37
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	6.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	1.00	6.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	6.00	84.0	0.37

Building Construction	Welders	Diesel	Tier 4 Final	3.00	8.00	46.0	0.45
Paving	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Paving	Pavers	Diesel	Tier 4 Final	1.00	6.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	1.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Tier 4 Final	1.00	7.00	36.0	0.38
Paving	Cement and Mortar Mixers	Diesel	Average	1.00	6.00	10.0	0.56
Architectural Coating	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	7.50	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	10.0	30.5	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	10.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	54.0	30.5	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	18.1	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	7.06	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT

Paving	—	—	—	—
Paving	Worker	12.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	3.62	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	7.50	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	10.0	30.5	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	10.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	54.0	30.5	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	18.1	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	7.06	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT

Paving	—	—	—	—
Paving	Worker	12.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	3.62	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	65,604	21,656	1,272

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	1,500	—
Grading	—	12,180	20.0	0.00	—
Paving	0.00	0.00	0.00	0.00	0.12

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Health Club	0.00	0%
Other Non-Asphalt Surfaces	0.12	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2033	0.00	532	0.03	< 0.005
2034	0.00	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	6.58	annual days of extreme heat
Extreme Precipitation	4.40	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2

Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	32.1
AQ-PM	84.1
AQ-DPM	81.1
Drinking Water	50.7
Lead Risk Housing	93.2
Pesticides	0.00
Toxic Releases	97.9
Traffic	88.7
Effect Indicators	—
CleanUp Sites	43.2
Groundwater	65.3

Haz Waste Facilities/Generators	92.3
Impaired Water Bodies	66.7
Solid Waste	39.0
Sensitive Population	—
Asthma	96.0
Cardio-vascular	97.1
Low Birth Weights	87.6
Socioeconomic Factor Indicators	—
Education	91.3
Housing	68.5
Linguistic	74.8
Poverty	92.6
Unemployment	94.3

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	6.865135378
Employed	7.583728988
Median HI	20.41575773
Education	—
Bachelor's or higher	18.24714487
High school enrollment	100
Preschool enrollment	23.40562043
Transportation	—
Auto Access	19.3763634
Active commuting	78.62184011

Social	—
2-parent households	6.262030027
Voting	28.26895932
Neighborhood	—
Alcohol availability	17.00243809
Park access	81.35506224
Retail density	48.58206082
Supermarket access	75.02887206
Tree canopy	58.18041832
Housing	—
Homeownership	27.34505325
Housing habitability	10.48376748
Low-inc homeowner severe housing cost burden	18.96573848
Low-inc renter severe housing cost burden	20.28743744
Uncrowded housing	13.93558322
Health Outcomes	—
Insured adults	15.88605158
Arthritis	0.0
Asthma ER Admissions	11.0
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	6.0
Cognitively Disabled	28.0
Physically Disabled	18.0

Heart Attack ER Admissions	25.5
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	96.4
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	3.5
Elderly	97.2
English Speaking	31.4
Foreign-born	52.8
Outdoor Workers	74.3
Climate Change Adaptive Capacity	—
Impervious Surface Cover	32.8
Traffic Density	95.7
Traffic Access	87.4
Other Indices	—
Hardship	86.8
Other Decision Support	—
2016 Voting	9.5

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	99.0
Healthy Places Index Score for Project Location (b)	10.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	See project assumptions
Construction: Construction Phases	See project assumptions
Construction: Trips and VMT	See project assumptions
Construction: Paving	See project assumptions
Construction: Architectural Coatings	See construction assumptions.
Construction: Off-Road Equipment	see assumption sheet
Construction: Dust From Material Movement	see assumption sheet

CMWC P-11 Con Mit Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

3. Construction Emissions Details

3.1. Demolition (2033) - Unmitigated

3.2. Demolition (2033) - Mitigated

3.3. Grading (2033) - Unmitigated

3.4. Grading (2033) - Mitigated

3.5. Building Construction (2033) - Unmitigated

3.6. Building Construction (2033) - Mitigated

3.7. Building Construction (2034) - Unmitigated

3.8. Building Construction (2034) - Mitigated

3.9. Building Construction (2035) - Unmitigated

3.10. Building Construction (2035) - Mitigated

3.11. Paving (2035) - Unmitigated

3.12. Paving (2035) - Mitigated

3.13. Architectural Coating (2035) - Unmitigated

3.14. Architectural Coating (2035) - Mitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	CMWC P-11 Con Mit
Construction Start Date	8/1/2033
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.20
Precipitation (days)	17.8
Location	1667 E 118th St, Los Angeles, CA 90059, USA
County	Los Angeles-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4210
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.26

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	54.0	Dwelling Unit	0.20	44,100	0.00	—	160	—

Enclosed Parking with Elevator	27.0	Space	0.10	13,500	0.00	—	—	—
Other Non-Asphalt Surfaces	14.3	1000sqft	0.32	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	7.04	7.02	6.48	9.84	0.02	0.23	2.38	2.61	0.22	1.11	1.32	—	2,564	2,564	0.10	0.20	1.93	2,629
Mit.	6.95	6.95	2.11	11.1	0.02	0.06	2.38	2.42	0.06	1.11	1.15	—	2,564	2,564	0.10	0.20	1.93	2,629
% Reduced	1%	1%	67%	-13%	—	74%	—	7%	74%	—	13%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	7.04	7.02	6.54	9.68	0.02	0.23	2.38	2.61	0.22	1.11	1.32	—	2,562	2,562	0.10	0.20	0.05	2,625
Mit.	6.95	6.95	1.99	11.0	0.02	0.04	2.38	2.42	0.04	1.11	1.15	—	2,562	2,562	0.10	0.20	0.05	2,625
% Reduced	1%	1%	70%	-13%	—	81%	—	7%	80%	—	13%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	0.94	0.92	3.53	6.89	0.01	0.10	0.46	0.56	0.09	0.15	0.20	—	1,561	1,561	0.05	0.03	0.38	1,572
Mit.	0.86	0.86	1.15	7.81	0.01	0.02	0.46	0.48	0.02	0.15	0.16	—	1,561	1,561	0.05	0.03	0.38	1,572
% Reduced	8%	7%	67%	-13%	—	78%	—	13%	76%	—	18%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.17	0.17	0.64	1.26	< 0.005	0.02	0.08	0.10	0.02	0.03	0.04	—	258	258	0.01	0.01	0.06	260
Mit.	0.16	0.16	0.21	1.43	< 0.005	< 0.005	0.08	0.09	< 0.005	0.03	0.03	—	258	258	0.01	0.01	0.06	260
% Reduced	8%	7%	67%	-13%	—	78%	—	13%	76%	—	18%	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2033	0.86	0.68	6.48	6.55	0.02	0.23	2.38	2.61	0.22	1.11	1.32	—	2,564	2,564	0.10	0.20	1.93	2,629
2034	0.70	0.60	4.91	9.84	0.02	0.13	0.65	0.78	0.12	0.16	0.28	—	2,205	2,205	0.07	0.04	1.23	2,221
2035	7.04	7.02	3.69	5.91	0.01	0.11	0.23	0.33	0.10	0.05	0.15	—	1,030	1,030	0.03	0.01	0.27	1,033
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2033	0.86	0.67	6.54	9.68	0.02	0.23	2.38	2.61	0.22	1.11	1.32	—	2,562	2,562	0.10	0.20	0.05	2,625
2034	0.70	0.60	4.94	9.58	0.02	0.13	0.65	0.78	0.12	0.16	0.28	—	2,178	2,178	0.07	0.04	0.03	2,192
2035	7.04	7.02	4.77	9.46	0.02	0.12	0.65	0.77	0.11	0.16	0.26	—	2,166	2,166	0.07	0.04	0.02	2,180
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2033	0.21	0.17	1.52	2.19	< 0.005	0.05	0.38	0.43	0.04	0.15	0.20	—	627	627	0.02	0.03	0.19	638
2034	0.50	0.43	3.53	6.89	0.01	0.10	0.46	0.56	0.09	0.11	0.20	—	1,561	1,561	0.05	0.03	0.38	1,572
2035	0.94	0.92	1.03	1.85	< 0.005	0.03	0.11	0.13	0.02	0.03	0.05	—	376	376	0.01	0.01	0.06	378

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2033	0.04	0.03	0.28	0.40	< 0.005	0.01	0.07	0.08	0.01	0.03	0.04	—	104	104	< 0.005	0.01	0.03	106
2034	0.09	0.08	0.64	1.26	< 0.005	0.02	0.08	0.10	0.02	0.02	0.04	—	258	258	0.01	0.01	0.06	260
2035	0.17	0.17	0.19	0.34	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	62.2	62.2	< 0.005	< 0.005	0.01	62.5

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2033	0.21	0.15	1.93	7.52	0.02	0.04	2.38	2.42	0.04	1.11	1.15	—	2,564	2,564	0.10	0.20	1.93	2,629
2034	0.26	0.26	1.59	11.1	0.02	0.03	0.65	0.68	0.03	0.16	0.18	—	2,205	2,205	0.07	0.04	1.23	2,221
2035	6.95	6.95	2.11	6.20	0.01	0.06	0.23	0.29	0.06	0.05	0.11	—	1,030	1,030	0.03	0.01	0.27	1,033
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2033	0.29	0.26	1.99	11.0	0.02	0.04	2.38	2.42	0.04	1.11	1.15	—	2,562	2,562	0.10	0.20	0.05	2,625
2034	0.26	0.25	1.62	10.9	0.02	0.03	0.65	0.68	0.03	0.16	0.18	—	2,178	2,178	0.07	0.04	0.03	2,192
2035	6.95	6.95	1.61	10.8	0.02	0.03	0.65	0.68	0.03	0.16	0.18	—	2,166	2,166	0.07	0.04	0.02	2,180
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2033	0.07	0.05	0.47	2.47	< 0.005	0.01	0.38	0.39	0.01	0.15	0.16	—	627	627	0.02	0.03	0.19	638
2034	0.19	0.18	1.15	7.81	0.01	0.02	0.46	0.48	0.02	0.11	0.13	—	1,561	1,561	0.05	0.03	0.38	1,572
2035	0.86	0.86	0.50	2.01	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04	—	376	376	0.01	0.01	0.06	378
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2033	0.01	0.01	0.09	0.45	< 0.005	< 0.005	0.07	0.07	< 0.005	0.03	0.03	—	104	104	< 0.005	0.01	0.03	106
2034	0.03	0.03	0.21	1.43	< 0.005	< 0.005	0.08	0.09	< 0.005	0.02	0.02	—	258	258	0.01	0.01	0.06	260
2035	0.16	0.16	0.09	0.37	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	62.2	62.2	< 0.005	< 0.005	0.01	62.5

3. Construction Emissions Details

3.1. Demolition (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	0.22	2.04	3.57	0.01	0.06	—	0.06	0.05	—	0.05	—	607	607	0.02	< 0.005	—	610
Demolition	—	—	—	—	—	—	0.32	0.32	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.13	0.22	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	38.3	38.3	< 0.005	< 0.005	—	38.4
Demolition	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	< 0.005	< 0.005	0.02	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.34	6.34	< 0.005	< 0.005	—	6.36
Demolition	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.31	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	90.7	90.7	< 0.005	< 0.005	0.15	91.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	0.01	0.37	0.14	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04	—	347	347	0.01	0.05	0.52	365
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.50	5.50	< 0.005	< 0.005	< 0.005	5.52
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	21.9	21.9	< 0.005	< 0.005	0.01	23.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.91	0.91	< 0.005	< 0.005	< 0.005	0.91
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.63	3.63	< 0.005	< 0.005	< 0.005	3.80

3.2. Demolition (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.06	0.30	3.88	0.01	0.01	—	0.01	0.01	—	0.01	—	607	607	0.02	< 0.005	—	610
Demolition	—	—	—	—	—	—	0.32	0.32	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.24	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	38.3	38.3	< 0.005	< 0.005	—	38.4
Demolition	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.34	6.34	< 0.005	< 0.005	—	6.36
Demolition	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.02	0.02	0.02	0.31	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	90.7	90.7	< 0.005	< 0.005	0.15	91.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	0.01	0.37	0.14	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04	—	347	347	0.01	0.05	0.52	365
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.50	5.50	< 0.005	< 0.005	< 0.005	5.52
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	21.9	21.9	< 0.005	< 0.005	0.01	23.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.91	0.91	< 0.005	< 0.005	< 0.005	0.91
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.63	3.63	< 0.005	< 0.005	< 0.005	3.80

3.3. Grading (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77	0.65	5.18	5.86	0.01	0.21	—	0.21	0.20	—	0.20	—	1,288	1,288	0.05	0.01	—	1,292
Dust From Material Movement	—	—	—	—	—	—	1.92	1.92	—	0.99	0.99	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77	0.65	5.18	5.86	0.01	0.21	—	0.21	0.20	—	0.20	—	1,288	1,288	0.05	0.01	—	1,292
Dust From Material Movement	—	—	—	—	—	—	1.92	1.92	—	0.99	0.99	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.07	0.60	0.67	< 0.005	0.02	—	0.02	0.02	—	0.02	—	148	148	0.01	< 0.005	—	149
Dust From Material Movement	—	—	—	—	—	—	0.22	0.22	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.11	0.12	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	24.5	24.5	< 0.005	< 0.005	—	24.6
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.21	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	60.5	60.5	< 0.005	< 0.005	0.10	60.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.02	1.29	0.49	0.01	0.02	0.40	0.41	0.02	0.11	0.13	—	1,216	1,216	0.05	0.19	1.83	1,276
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.17	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	57.4	57.4	< 0.005	< 0.005	< 0.005	57.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.02	1.35	0.49	0.01	0.02	0.40	0.41	0.02	0.11	0.13	—	1,216	1,216	0.05	0.19	0.05	1,275
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.70	6.70	< 0.005	< 0.005	0.01	6.72
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.16	0.06	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	140	140	0.01	0.02	0.09	147
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.11	1.11	< 0.005	< 0.005	< 0.005	1.11
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	23.2	23.2	< 0.005	< 0.005	0.02	24.3

3.4. Grading (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.12	0.12	0.63	6.82	0.01	0.02	—	0.02	0.02	—	0.02	—	1,288	1,288	0.05	0.01	—	1,292
Dust From Material Movement	—	—	—	—	—	—	1.92	1.92	—	0.99	0.99	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.12	0.63	6.82	0.01	0.02	—	0.02	0.02	—	0.02	—	1,288	1,288	0.05	0.01	—	1,292
Dust From Material Movement	—	—	—	—	—	—	1.92	1.92	—	0.99	0.99	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.79	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	148	148	0.01	< 0.005	—	149
Dust From Material Movement	—	—	—	—	—	—	0.22	0.22	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	24.5	24.5	< 0.005	< 0.005	—	24.6

Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.21	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	60.5	60.5	< 0.005	< 0.005	0.10	60.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.02	1.29	0.49	0.01	0.02	0.40	0.41	0.02	0.11	0.13	—	1,216	1,216	0.05	0.19	1.83	1,276
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.17	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	57.4	57.4	< 0.005	< 0.005	< 0.005	57.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.02	1.35	0.49	0.01	0.02	0.40	0.41	0.02	0.11	0.13	—	1,216	1,216	0.05	0.19	0.05	1,275
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.70	6.70	< 0.005	< 0.005	0.01	6.72
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.16	0.06	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	140	140	0.01	0.02	0.09	147
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.11	1.11	< 0.005	< 0.005	< 0.005	1.11
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	23.2	23.2	< 0.005	< 0.005	0.02	24.3

3.5. Building Construction (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.60	0.50	4.73	8.02	0.01	0.14	—	0.14	0.13	—	0.13	—	1,476	1,476	0.06	0.01	—	1,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.57	0.97	< 0.005	0.02	—	0.02	0.02	—	0.02	—	179	179	0.01	< 0.005	—	180
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.10	0.18	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	29.6	29.6	< 0.005	< 0.005	—	29.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.12	0.10	0.09	1.56	0.00	0.00	0.58	0.58	0.00	0.14	0.14	—	511	511	< 0.005	< 0.005	0.02	512
Vendor	0.01	< 0.005	0.21	0.10	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	204	204	0.01	0.03	0.01	213
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.20	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	62.9	62.9	< 0.005	< 0.005	0.05	63.1
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	24.7	24.7	< 0.005	< 0.005	0.02	25.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.4	10.4	< 0.005	< 0.005	0.01	10.4
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.09	4.09	< 0.005	< 0.005	< 0.005	4.28
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Building Construction (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.15	1.32	9.31	0.01	0.03	—	0.03	0.03	—	0.03	—	1,476	1,476	0.06	0.01	—	1,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.02	0.02	0.16	1.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	179	179	0.01	< 0.005	—	180
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	29.6	29.6	< 0.005	< 0.005	—	29.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.10	0.09	1.56	0.00	0.00	0.58	0.58	0.00	0.14	0.14	—	511	511	< 0.005	< 0.005	0.02	512
Vendor	0.01	< 0.005	0.21	0.10	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	204	204	0.01	0.03	0.01	213
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.20	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	62.9	62.9	< 0.005	< 0.005	0.05	63.1
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	24.7	24.7	< 0.005	< 0.005	0.02	25.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.4	10.4	< 0.005	< 0.005	0.01	10.4
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.09	4.09	< 0.005	< 0.005	< 0.005	4.28
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2034) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.50	4.65	8.01	0.01	0.13	—	0.13	0.12	—	0.12	—	1,476	1,476	0.06	0.01	—	1,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.50	4.65	8.01	0.01	0.13	—	0.13	0.12	—	0.12	—	1,476	1,476	0.06	0.01	—	1,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	0.35	3.32	5.72	0.01	0.09	—	0.09	0.09	—	0.09	—	1,054	1,054	0.04	0.01	—	1,058
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.06	0.61	1.04	< 0.005	0.02	—	0.02	0.02	—	0.02	—	175	175	0.01	< 0.005	—	175
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.07	1.74	0.00	0.00	0.58	0.58	0.00	0.14	0.14	—	533	533	< 0.005	< 0.005	0.79	534
Vendor	0.01	0.01	0.19	0.10	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	196	196	0.01	0.03	0.43	205
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.09	1.47	0.00	0.00	0.58	0.58	0.00	0.14	0.14	—	505	505	< 0.005	< 0.005	0.02	506
Vendor	0.01	< 0.005	0.20	0.10	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	197	197	0.01	0.03	0.01	205
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.07	1.10	0.00	0.00	0.41	0.41	0.00	0.10	0.10	—	366	366	< 0.005	< 0.005	0.24	367
Vendor	0.01	< 0.005	0.14	0.07	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	140	140	< 0.005	0.02	0.13	147
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.20	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	60.6	60.6	< 0.005	< 0.005	0.04	60.8
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	23.2	23.2	< 0.005	< 0.005	0.02	24.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2034) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.15	0.15	1.32	9.31	0.01	0.03	—	0.03	0.03	—	0.03	—	1,476	1,476	0.06	0.01	—	1,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.15	1.32	9.31	0.01	0.03	—	0.03	0.03	—	0.03	—	1,476	1,476	0.06	0.01	—	1,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	0.94	6.65	0.01	0.02	—	0.02	0.02	—	0.02	—	1,054	1,054	0.04	0.01	—	1,058
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.17	1.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	175	175	0.01	< 0.005	—	175
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.07	1.74	0.00	0.00	0.58	0.58	0.00	0.14	0.14	—	533	533	< 0.005	< 0.005	0.79	534
Vendor	0.01	0.01	0.19	0.10	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	196	196	0.01	0.03	0.43	205
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.09	1.47	0.00	0.00	0.58	0.58	0.00	0.14	0.14	—	505	505	< 0.005	< 0.005	0.02	506
Vendor	0.01	< 0.005	0.20	0.10	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	197	197	0.01	0.03	0.01	205
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.07	1.10	0.00	0.00	0.41	0.41	0.00	0.10	0.10	—	366	366	< 0.005	< 0.005	0.24	367
Vendor	0.01	< 0.005	0.14	0.07	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	140	140	< 0.005	0.02	0.13	147
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.20	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	60.6	60.6	< 0.005	< 0.005	0.04	60.8
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	23.2	23.2	< 0.005	< 0.005	0.02	24.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2035) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.57	0.48	4.48	7.96	0.01	0.12	—	0.12	0.11	—	0.11	—	1,476	1,476	0.06	0.01	—	1,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.47	0.83	< 0.005	0.01	—	0.01	0.01	—	0.01	—	153	153	0.01	< 0.005	—	154
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.15	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	25.3	25.3	< 0.005	< 0.005	—	25.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.09	1.40	0.00	0.00	0.58	0.58	0.00	0.14	0.14	—	500	500	< 0.005	< 0.005	0.02	501
Vendor	0.01	< 0.005	0.20	0.10	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	190	190	0.01	0.03	0.01	198
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	52.6	52.6	< 0.005	< 0.005	0.03	52.7
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	19.7	19.7	< 0.005	< 0.005	0.01	20.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.71	8.71	< 0.005	< 0.005	0.01	8.73
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.26	3.26	< 0.005	< 0.005	< 0.005	3.41
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Building Construction (2035) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.15	1.32	9.31	0.01	0.03	—	0.03	0.03	—	0.03	—	1,476	1,476	0.06	0.01	—	1,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.14	0.97	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	153	153	0.01	< 0.005	—	154
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.18	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	25.3	25.3	< 0.005	< 0.005	—	25.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.09	1.40	0.00	0.00	0.58	0.58	0.00	0.14	0.14	—	500	500	< 0.005	< 0.005	0.02	501
Vendor	0.01	< 0.005	0.20	0.10	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	190	190	0.01	0.03	0.01	198
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	52.6	52.6	< 0.005	< 0.005	0.03	52.7
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	19.7	19.7	< 0.005	< 0.005	0.01	20.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.71	8.71	< 0.005	< 0.005	0.01	8.73
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.26	3.26	< 0.005	< 0.005	< 0.005	3.41
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Paving (2035) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.48	0.40	3.66	5.26	0.01	0.11	—	0.11	0.10	—	0.10	—	823	823	0.03	0.01	—	826
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.44	0.63	< 0.005	0.01	—	0.01	0.01	—	0.01	—	99.2	99.2	< 0.005	< 0.005	—	99.5
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.12	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.4	16.4	< 0.005	< 0.005	—	16.5
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.65	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	207	207	< 0.005	< 0.005	0.27	208
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.07	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	24.0	24.0	< 0.005	< 0.005	0.01	24.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.98	3.98	< 0.005	< 0.005	< 0.005	3.99
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Paving (2035) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	0.23	2.08	5.55	0.01	0.06	—	0.06	0.06	—	0.06	—	823	823	0.03	0.01	—	826
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.25	0.67	< 0.005	0.01	—	0.01	0.01	—	0.01	—	99.2	99.2	< 0.005	< 0.005	—	99.5
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.01	0.01	0.05	0.12	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.4	16.4	< 0.005	< 0.005	—	16.5
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.65	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	207	207	< 0.005	< 0.005	0.27	208
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.07	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	24.0	24.0	< 0.005	< 0.005	0.01	24.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.98	3.98	< 0.005	< 0.005	< 0.005	3.99
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Architectural Coating (2035) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.76	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	6.91	6.91	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.76	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	6.91	6.91	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.09	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.4	15.4	< 0.005	< 0.005	—	15.4
Architectural Coatings	0.80	0.80	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.54	2.54	< 0.005	< 0.005	—	2.55
Architectural Coatings	0.15	0.15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.33	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	105	105	< 0.005	< 0.005	0.14	106
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.28	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	100.0	100.0	< 0.005	< 0.005	< 0.005	100
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.7	11.7	< 0.005	< 0.005	0.01	11.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.93	1.93	< 0.005	< 0.005	< 0.005	1.94
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Architectural Coating (2035) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	6.91	6.91	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	6.91	6.91	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.07	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.4	15.4	< 0.005	< 0.005	—	15.4

Architect Coatings	0.80	0.80	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.54	2.54	< 0.005	< 0.005	—	2.55
Architectural Coatings	0.15	0.15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.33	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	105	105	< 0.005	< 0.005	0.14	106
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.28	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	100.0	100.0	< 0.005	< 0.005	< 0.005	100
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.7	11.7	< 0.005	< 0.005	0.01	11.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.93	1.93	< 0.005	< 0.005	< 0.005	1.94
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	8/1/2033	8/31/2033	5.00	23.0	—
Grading	Grading	9/1/2033	10/30/2033	5.00	42.0	—
Building Construction	Building Construction	10/31/2033	2/22/2035	5.00	344	—
Paving	Paving	4/24/2035	6/22/2035	5.00	44.0	—
Architectural Coating	Architectural Coating	2/23/2035	4/23/2035	5.00	42.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	2.00	6.00	84.0	0.37
Demolition	Rubber Tired Dozers	Diesel	Average	1.00	1.00	367	0.40
Grading	Rubber Tired Dozers	Diesel	Average	1.00	6.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	1.00	4.00	367	0.29
Building Construction	Forklifts	Diesel	Average	2.00	6.00	82.0	0.20
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Building Construction	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Building Construction	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Paving	Cement and Mortar Mixers	Diesel	Average	4.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Average	1.00	7.00	81.0	0.42
Paving	Rollers	Diesel	Average	1.00	7.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	6.00	84.0	0.37
Demolition	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	1.00	367	0.40

Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	6.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	7.00	84.0	0.37
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	4.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	2.00	6.00	82.0	0.20
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Building Construction	Excavators	Diesel	Tier 4 Final	1.00	8.00	36.0	0.38
Building Construction	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Paving	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	7.00	84.0	0.37
Paving	Cement and Mortar Mixers	Diesel	Average	4.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Tier 4 Final	1.00	7.00	81.0	0.42
Paving	Rollers	Diesel	Tier 4 Final	1.00	7.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	7.50	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	4.00	30.5	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	5.00	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT

Grading	Hauling	14.0	30.5	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	44.5	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	7.99	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	17.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	8.91	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	7.50	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	4.00	30.5	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	5.00	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT

Grading	Hauling	14.0	30.5	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	44.5	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	7.99	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	17.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	8.91	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	89,303	29,768	1,252	140	1,668

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	530	—
Grading	—	6,060	15.8	0.00	—
Paving	0.00	0.00	0.00	0.00	0.07

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Mid Rise	—	0%
Enclosed Parking with Elevator	0.00	0%
Other Non-Asphalt Surfaces	0.07	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2033	0.00	532	0.03	< 0.005
2034	0.00	532	0.03	< 0.005
2035	0.00	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	6.58	annual days of extreme heat
Extreme Precipitation	4.40	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	32.1
AQ-PM	84.1

AQ-DPM	81.1
Drinking Water	50.7
Lead Risk Housing	93.2
Pesticides	0.00
Toxic Releases	97.9
Traffic	88.7
Effect Indicators	—
CleanUp Sites	43.2
Groundwater	65.3
Haz Waste Facilities/Generators	92.3
Impaired Water Bodies	66.7
Solid Waste	39.0
Sensitive Population	—
Asthma	96.0
Cardio-vascular	97.1
Low Birth Weights	87.6
Socioeconomic Factor Indicators	—
Education	91.3
Housing	68.5
Linguistic	74.8
Poverty	92.6
Unemployment	94.3

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	6.865135378

Employed	7.583728988
Median HI	20.41575773
Education	—
Bachelor's or higher	18.24714487
High school enrollment	100
Preschool enrollment	23.40562043
Transportation	—
Auto Access	19.3763634
Active commuting	78.62184011
Social	—
2-parent households	6.262030027
Voting	28.26895932
Neighborhood	—
Alcohol availability	17.00243809
Park access	81.35506224
Retail density	48.58206082
Supermarket access	75.02887206
Tree canopy	58.18041832
Housing	—
Homeownership	27.34505325
Housing habitability	10.48376748
Low-inc homeowner severe housing cost burden	18.96573848
Low-inc renter severe housing cost burden	20.28743744
Uncrowded housing	13.93558322
Health Outcomes	—
Insured adults	15.88605158
Arthritis	0.0
Asthma ER Admissions	11.0

High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	6.0
Cognitively Disabled	28.0
Physically Disabled	18.0
Heart Attack ER Admissions	25.5
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	96.4
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	3.5
Elderly	97.2
English Speaking	31.4
Foreign-born	52.8
Outdoor Workers	74.3

Climate Change Adaptive Capacity	—
Impervious Surface Cover	32.8
Traffic Density	95.7
Traffic Access	87.4
Other Indices	—
Hardship	86.8
Other Decision Support	—
2016 Voting	9.5

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	99.0
Healthy Places Index Score for Project Location (b)	10.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification

Land Use	See project assumptions
Construction: Construction Phases	See project assumptions
Construction: Trips and VMT	See project assumptions
Construction: Paving	See project assumptions
Construction: Architectural Coatings	See project assumptions.
Construction: Off-Road Equipment	see assumptions sheet
Construction: Dust From Material Movement	see assumptions sheet

CMWC P-12 Con Mit (ROG) Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

3. Construction Emissions Details

3.1. Demolition (2035) - Unmitigated

3.2. Demolition (2035) - Mitigated

3.3. Grading (2035) - Unmitigated

3.4. Grading (2035) - Mitigated

3.5. Building Construction (2035) - Unmitigated

3.6. Building Construction (2035) - Mitigated

3.7. Building Construction (2036) - Unmitigated

3.8. Building Construction (2036) - Mitigated

3.9. Paving (2036) - Unmitigated

3.10. Paving (2036) - Mitigated

3.11. Architectural Coating (2036) - Unmitigated

3.12. Architectural Coating (2036) - Mitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	CMWC P-12 Con Mit (ROG)
Construction Start Date	7/1/2035
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.20
Precipitation (days)	17.8
Location	1667 E 118th St, Los Angeles, CA 90059, USA
County	Los Angeles-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4210
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.26

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	108	Dwelling Unit	0.29	80,230	0.00	—	320	—
Strip Mall	10.3	1000sqft	0.10	10,270	0.00	—	—	—

Health Club	5.00	1000sqft	0.05	5,000	0.00	—	—	—
Other Non-Asphalt Surfaces	32.4	1000sqft	0.74	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers
Construction	C-13	Use Low-VOC Paints for Construction

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	30.2	30.1	11.1	13.5	0.04	0.38	3.80	4.18	0.35	1.62	1.96	—	5,225	5,225	0.20	0.44	2.88	5,363
Mit.	25.4	25.4	4.78	15.6	0.04	0.09	3.80	3.89	0.09	1.62	1.70	—	5,225	5,225	0.20	0.44	2.88	5,363
% Reduced	16%	16%	57%	-16%	—	76%	—	7%	74%	—	13%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.15	0.98	7.23	12.4	0.02	0.14	1.21	1.34	0.13	0.29	0.41	—	3,068	3,068	0.09	0.07	0.04	3,091
Mit.	0.52	0.49	4.84	13.8	0.02	0.06	1.21	1.27	0.06	0.29	0.35	—	3,068	3,068	0.09	0.07	0.04	3,091
% Reduced	54%	50%	33%	-11%	—	53%	—	5%	51%	—	16%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	2.36	2.28	3.44	6.08	0.01	0.07	0.56	0.63	0.06	0.17	0.23	—	1,475	1,475	0.05	0.04	0.28	1,485
Mit.	1.78	1.76	2.29	6.76	0.01	0.03	0.56	0.60	0.03	0.17	0.19	—	1,475	1,475	0.05	0.04	0.28	1,485
% Reduced	24%	22%	33%	-11%	—	55%	—	5%	53%	—	18%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.43	0.42	0.63	1.11	< 0.005	0.01	0.10	0.11	0.01	0.03	0.04	—	244	244	0.01	0.01	0.05	246
Mit.	0.33	0.32	0.42	1.23	< 0.005	0.01	0.10	0.11	0.01	0.03	0.03	—	244	244	0.01	0.01	0.05	246
% Reduced	24%	22%	33%	-11%	—	55%	—	5%	53%	—	18%	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2035	1.47	1.16	11.1	13.5	0.04	0.38	3.80	4.18	0.35	1.62	1.96	—	5,225	5,225	0.20	0.44	2.88	5,363
2036	30.2	30.1	6.99	12.6	0.02	0.13	1.21	1.34	0.12	0.29	0.41	—	3,099	3,099	0.09	0.07	1.40	3,122
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2035	1.15	0.98	7.23	12.4	0.02	0.14	1.21	1.34	0.13	0.29	0.41	—	3,068	3,068	0.09	0.07	0.04	3,091
2036	1.13	0.96	7.01	12.2	0.02	0.13	1.21	1.34	0.12	0.29	0.41	—	3,049	3,049	0.09	0.07	0.04	3,071
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2035	0.43	0.36	2.83	4.39	0.01	0.07	0.53	0.60	0.06	0.17	0.23	—	1,187	1,187	0.04	0.04	0.25	1,202
2036	2.36	2.28	3.44	6.08	0.01	0.06	0.56	0.63	0.06	0.13	0.19	—	1,475	1,475	0.05	0.03	0.28	1,485
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2035	0.08	0.07	0.52	0.80	< 0.005	0.01	0.10	0.11	0.01	0.03	0.04	—	197	197	0.01	0.01	0.04	199
2036	0.43	0.42	0.63	1.11	< 0.005	0.01	0.10	0.11	0.01	0.02	0.04	—	244	244	0.01	0.01	0.05	246

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2035	0.53	0.49	4.78	15.6	0.04	0.09	3.80	3.89	0.09	1.62	1.70	—	5,225	5,225	0.20	0.44	2.88	5,363
2036	25.4	25.4	4.77	14.1	0.02	0.06	1.21	1.27	0.06	0.29	0.35	—	3,099	3,099	0.09	0.07	1.40	3,122
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2035	0.52	0.49	4.84	13.8	0.02	0.06	1.21	1.27	0.06	0.29	0.35	—	3,068	3,068	0.09	0.07	0.04	3,091
2036	0.52	0.49	4.79	13.7	0.02	0.06	1.21	1.27	0.06	0.29	0.35	—	3,049	3,049	0.09	0.07	0.04	3,071
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2035	0.17	0.15	1.51	4.96	0.01	0.02	0.53	0.56	0.02	0.17	0.19	—	1,187	1,187	0.04	0.04	0.25	1,202
2036	1.78	1.76	2.29	6.76	0.01	0.03	0.56	0.60	0.03	0.13	0.16	—	1,475	1,475	0.05	0.03	0.28	1,485
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2035	0.03	0.03	0.28	0.90	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	197	197	0.01	0.01	0.04	199
2036	0.33	0.32	0.42	1.23	< 0.005	0.01	0.10	0.11	0.01	0.02	0.03	—	244	244	0.01	0.01	0.05	246

3. Construction Emissions Details

3.1. Demolition (2035) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	1.04	0.88	6.96	8.90	0.02	0.26	—	0.26	0.23	—	0.23	—	1,959	1,959	0.08	0.02	—	1,965
Demolition	—	—	—	—	—	—	0.14	0.14	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.36	0.46	< 0.005	0.01	—	0.01	0.01	—	0.01	—	102	102	< 0.005	< 0.005	—	102
Demolition	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.9	16.9	< 0.005	< 0.005	—	16.9
Demolition	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.28	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	88.7	88.7	< 0.005	< 0.005	0.12	89.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.17	0.06	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	166	166	0.01	0.03	0.17	174

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.45	4.45	< 0.005	< 0.005	< 0.005	4.46
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.63	8.63	< 0.005	< 0.005	< 0.005	9.05
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.74	0.74	< 0.005	< 0.005	< 0.005	0.74
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.43	1.43	< 0.005	< 0.005	< 0.005	1.50

3.2. Demolition (2035) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.18	0.96	10.8	0.02	0.04	—	0.04	0.04	—	0.04	—	1,959	1,959	0.08	0.02	—	1,965
Demolition	—	—	—	—	—	—	0.14	0.14	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.01	0.01	0.05	0.56	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	102	102	< 0.005	< 0.005	—	102
Demoliti on	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	< 0.005	< 0.005	0.01	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.9	16.9	< 0.005	< 0.005	—	16.9
Demoliti on	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.28	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	88.7	88.7	< 0.005	< 0.005	0.12	89.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.17	0.06	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	166	166	0.01	0.03	0.17	174
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.45	4.45	< 0.005	< 0.005	< 0.005	4.46
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.63	8.63	< 0.005	< 0.005	< 0.005	9.05
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.74	0.74	< 0.005	< 0.005	< 0.005	0.74
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.43	1.43	< 0.005	< 0.005	< 0.005	1.50

3.3. Grading (2035) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.30	1.09	8.27	12.1	0.02	0.33	—	0.33	0.31	—	0.31	—	2,455	2,455	0.10	0.02	—	2,463
Dust From Material Movement	—	—	—	—	—	—	2.77	2.77	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.48	0.69	< 0.005	0.02	—	0.02	0.02	—	0.02	—	141	141	0.01	< 0.005	—	142
Dust From Material Movement	—	—	—	—	—	—	0.16	0.16	—	0.08	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.01	0.01	0.09	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	23.4	23.4	< 0.005	< 0.005	—	23.5
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.37	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	118	118	< 0.005	< 0.005	0.15	119
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.15	0.04	2.79	1.04	0.02	0.04	0.90	0.95	0.04	0.25	0.29	—	2,652	2,652	0.10	0.42	2.73	2,782
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.55	6.55	< 0.005	< 0.005	< 0.005	6.57
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.17	0.06	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	153	153	0.01	0.02	0.07	160
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.08	1.08	< 0.005	< 0.005	< 0.005	1.09
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	25.3	25.3	< 0.005	< 0.005	0.01	26.5

3.4. Grading (2035) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.23	1.20	14.2	0.02	0.05	—	0.05	0.05	—	0.05	—	2,455	2,455	0.10	0.02	—	2,463
Dust From Material Movement	—	—	—	—	—	—	2.77	2.77	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.82	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	141	141	0.01	< 0.005	—	142
Dust From Material Movement	—	—	—	—	—	—	0.16	0.16	—	0.08	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.15	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	23.4	23.4	< 0.005	< 0.005	—	23.5
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.37	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	118	118	< 0.005	< 0.005	0.15	119
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.15	0.04	2.79	1.04	0.02	0.04	0.90	0.95	0.04	0.25	0.29	—	2,652	2,652	0.10	0.42	2.73	2,782
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.55	6.55	< 0.005	< 0.005	< 0.005	6.57
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.17	0.06	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	153	153	0.01	0.02	0.07	160
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.08	1.08	< 0.005	< 0.005	< 0.005	1.09
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	25.3	25.3	< 0.005	< 0.005	0.01	26.5

3.5. Building Construction (2035) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.94	0.78	6.71	9.61	0.02	0.13	—	0.13	0.12	—	0.12	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	0.78	6.71	9.61	0.02	0.13	—	0.13	0.12	—	0.12	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24	0.20	1.68	2.41	< 0.005	0.03	—	0.03	0.03	—	0.03	—	451	451	0.02	< 0.005	—	453
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.31	0.44	< 0.005	0.01	—	0.01	0.01	—	0.01	—	74.7	74.7	< 0.005	< 0.005	—	74.9
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.18	0.14	3.09	0.00	0.00	1.09	1.09	0.00	0.25	0.25	—	984	984	0.01	0.01	1.29	987
Vendor	0.02	0.01	0.33	0.16	< 0.005	< 0.005	0.12	0.12	< 0.005	0.03	0.04	—	334	334	0.01	0.05	0.34	349

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.18	0.17	2.62	0.00	0.00	1.09	1.09	0.00	0.25	0.25	—	933	933	0.01	0.01	0.03	935
Vendor	0.02	0.01	0.35	0.17	< 0.005	< 0.005	0.12	0.12	< 0.005	0.03	0.04	—	334	334	0.01	0.05	0.01	349
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.69	0.00	0.00	0.27	0.27	0.00	0.06	0.06	—	237	237	< 0.005	< 0.005	0.14	238
Vendor	0.01	< 0.005	0.09	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	83.6	83.6	< 0.005	0.01	0.04	87.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	39.3	39.3	< 0.005	< 0.005	0.02	39.4
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	13.8	13.8	< 0.005	< 0.005	0.01	14.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Building Construction (2035) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	0.30	4.32	11.0	0.02	0.06	—	0.06	0.06	—	0.06	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	0.30	4.32	11.0	0.02	0.06	—	0.06	0.06	—	0.06	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	1.08	2.75	< 0.005	0.02	—	0.02	0.01	—	0.01	—	451	451	0.02	< 0.005	—	453
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.20	0.50	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	74.7	74.7	< 0.005	< 0.005	—	74.9
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.18	0.14	3.09	0.00	0.00	1.09	1.09	0.00	0.25	0.25	—	984	984	0.01	0.01	1.29	987
Vendor	0.02	0.01	0.33	0.16	< 0.005	< 0.005	0.12	0.12	< 0.005	0.03	0.04	—	334	334	0.01	0.05	0.34	349
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.18	0.17	2.62	0.00	0.00	1.09	1.09	0.00	0.25	0.25	—	933	933	0.01	0.01	0.03	935

Vendor	0.02	0.01	0.35	0.17	< 0.005	< 0.005	0.12	0.12	< 0.005	0.03	0.04	—	334	334	0.01	0.05	0.01	349
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.69	0.00	0.00	0.27	0.27	0.00	0.06	0.06	—	237	237	< 0.005	< 0.005	0.14	238
Vendor	0.01	< 0.005	0.09	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	83.6	83.6	< 0.005	0.01	0.04	87.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	39.3	39.3	< 0.005	< 0.005	0.02	39.4
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	13.8	13.8	< 0.005	< 0.005	0.01	14.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.93	0.77	6.54	9.54	0.02	0.13	—	0.13	0.12	—	0.12	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.93	0.77	6.54	9.54	0.02	0.13	—	0.13	0.12	—	0.12	—	1,801	1,801	0.07	0.01	—	1,807

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	0.35	2.97	4.33	0.01	0.06	—	0.06	0.05	—	0.05	—	818	818	0.03	0.01	—	820
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.06	0.54	0.79	< 0.005	0.01	—	0.01	0.01	—	0.01	—	135	135	0.01	< 0.005	—	136
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.18	0.13	2.94	0.00	0.00	1.09	1.09	0.00	0.25	0.25	—	975	975	0.01	0.01	1.12	978
Vendor	0.02	0.01	0.32	0.16	< 0.005	< 0.005	0.12	0.12	< 0.005	0.03	0.04	—	323	323	0.01	0.05	0.28	337
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.18	0.14	2.49	0.00	0.00	1.09	1.09	0.00	0.25	0.25	—	925	925	0.01	0.01	0.03	927
Vendor	0.02	0.01	0.33	0.16	< 0.005	< 0.005	0.12	0.12	< 0.005	0.03	0.04	—	323	323	0.01	0.05	0.01	337
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.06	1.19	0.00	0.00	0.49	0.49	0.00	0.11	0.11	—	426	426	< 0.005	< 0.005	0.22	427
Vendor	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.05	0.06	< 0.005	0.01	0.02	—	147	147	< 0.005	0.02	0.06	153

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.22	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	70.5	70.5	< 0.005	< 0.005	0.04	70.7
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	24.3	24.3	< 0.005	< 0.005	0.01	25.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	0.30	4.32	11.0	0.02	0.06	—	0.06	0.06	—	0.06	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	0.30	4.32	11.0	0.02	0.06	—	0.06	0.06	—	0.06	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.14	1.96	4.99	0.01	0.03	—	0.03	0.03	—	0.03	—	818	818	0.03	0.01	—	820

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.36	0.91	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	135	135	0.01	< 0.005	—	136
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.18	0.13	2.94	0.00	0.00	1.09	1.09	0.00	0.25	0.25	—	975	975	0.01	0.01	1.12	978
Vendor	0.02	0.01	0.32	0.16	< 0.005	< 0.005	0.12	0.12	< 0.005	0.03	0.04	—	323	323	0.01	0.05	0.28	337
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.18	0.14	2.49	0.00	0.00	1.09	1.09	0.00	0.25	0.25	—	925	925	0.01	0.01	0.03	927
Vendor	0.02	0.01	0.33	0.16	< 0.005	< 0.005	0.12	0.12	< 0.005	0.03	0.04	—	323	323	0.01	0.05	0.01	337
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.06	1.19	0.00	0.00	0.49	0.49	0.00	0.11	0.11	—	426	426	< 0.005	< 0.005	0.22	427
Vendor	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.05	0.06	< 0.005	0.01	0.02	—	147	147	< 0.005	0.02	0.06	153
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.22	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	70.5	70.5	< 0.005	< 0.005	0.04	70.7
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	24.3	24.3	< 0.005	< 0.005	0.01	25.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	0.35	3.59	6.42	0.01	0.08	—	0.08	0.08	—	0.08	—	991	991	0.04	0.01	—	994
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	0.35	3.59	6.42	0.01	0.08	—	0.08	0.08	—	0.08	—	991	991	0.04	0.01	—	994
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.21	0.37	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	57.0	57.0	< 0.005	< 0.005	—	57.2
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	< 0.005	< 0.005	0.04	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.44	9.44	< 0.005	< 0.005	—	9.47
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.44	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	147	147	< 0.005	< 0.005	0.17	147
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.38	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	139	139	< 0.005	< 0.005	< 0.005	139
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.12	8.12	< 0.005	< 0.005	< 0.005	8.14
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.34	1.34	< 0.005	< 0.005	< 0.005	1.35
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Paving (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.14	1.30	6.89	0.01	0.03	—	0.03	0.03	—	0.03	—	991	991	0.04	0.01	—	994
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.14	1.30	6.89	0.01	0.03	—	0.03	0.03	—	0.03	—	991	991	0.04	0.01	—	994
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.40	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	57.0	57.0	< 0.005	< 0.005	—	57.2
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.44	9.44	< 0.005	< 0.005	—	9.47
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.44	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	147	147	< 0.005	< 0.005	0.17	147
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.38	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	139	139	< 0.005	< 0.005	< 0.005	139
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.12	8.12	< 0.005	< 0.005	< 0.005	8.14
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.34	1.34	< 0.005	< 0.005	< 0.005	1.35
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Architectural Coating (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.75	1.10	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	30.0	30.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.05	8.05	< 0.005	< 0.005	—	8.08
Architectural Coatings	1.81	1.81	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.33	1.33	< 0.005	< 0.005	—	1.34
Architectural Coatings	0.33	0.33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.59	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	195	195	< 0.005	< 0.005	0.22	196
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.3	11.3	< 0.005	< 0.005	0.01	11.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.87	1.87	< 0.005	< 0.005	< 0.005	1.88
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Architectural Coating (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	25.4	25.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.05	8.05	< 0.005	< 0.005	—	8.08
Architectural Coatings	1.53	1.53	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.33	1.33	< 0.005	< 0.005	—	1.34
Architectural Coatings	0.28	0.28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.59	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	195	195	< 0.005	< 0.005	0.22	196
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.3	11.3	< 0.005	< 0.005	0.01	11.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.87	1.87	< 0.005	< 0.005	< 0.005	1.88
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	7/1/2035	7/26/2035	5.00	19.0	—
Grading	Grading	7/27/2035	8/25/2035	5.00	21.0	—
Building Construction	Building Construction	8/26/2035	8/19/2036	5.00	257	—
Paving	Paving	9/19/2036	10/18/2036	5.00	21.0	—
Architectural Coating	Architectural Coating	8/20/2036	9/18/2036	5.00	22.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Demolition	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	7.00	84.0	0.37
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Building Construction	Cranes	Diesel	Average	1.00	6.00	367	0.29
Building Construction	Forklifts	Diesel	Average	1.00	6.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	6.00	84.0	0.37

Building Construction	Welders	Diesel	Average	3.00	8.00	46.0	0.45
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Paving	Pavers	Diesel	Average	1.00	6.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	1.00	7.00	36.0	0.38
Paving	Cement and Mortar Mixers	Diesel	Average	1.00	6.00	10.0	0.56
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Demolition	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Grading	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	7.00	84.0	0.37
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	6.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	1.00	6.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	6.00	84.0	0.37
Building Construction	Welders	Diesel	Tier 4 Final	3.00	8.00	46.0	0.45
Paving	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Paving	Pavers	Diesel	Tier 4 Final	1.00	6.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	1.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Tier 4 Final	1.00	7.00	36.0	0.38

Paving	Cement and Mortar Mixers	Diesel	Average	1.00	6.00	10.0	0.56
Architectural Coating	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	7.50	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	2.00	30.5	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	10.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	32.0	30.5	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	83.1	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	14.0	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	12.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—

Architectural Coating	Worker	16.6	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	7.50	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	2.00	30.5	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	10.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	32.0	30.5	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	83.1	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	14.0	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	12.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—

Architectural Coating	Worker	16.6	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	162,466	54,156	24,363	7,797	1,944

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	190	—
Grading	—	8,160	21.0	0.00	—
Paving	0.00	0.00	0.00	0.00	0.12

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Mid Rise	—	0%
Strip Mall	0.00	0%
Health Club	0.00	0%
Other Non-Asphalt Surfaces	0.12	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2035	0.00	532	0.03	< 0.005
2036	0.00	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	6.58	annual days of extreme heat
Extreme Precipitation	4.40	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	32.1
AQ-PM	84.1
AQ-DPM	81.1
Drinking Water	50.7
Lead Risk Housing	93.2
Pesticides	0.00
Toxic Releases	97.9
Traffic	88.7
Effect Indicators	—
CleanUp Sites	43.2
Groundwater	65.3
Haz Waste Facilities/Generators	92.3
Impaired Water Bodies	66.7
Solid Waste	39.0
Sensitive Population	—
Asthma	96.0

Cardio-vascular	97.1
Low Birth Weights	87.6
Socioeconomic Factor Indicators	—
Education	91.3
Housing	68.5
Linguistic	74.8
Poverty	92.6
Unemployment	94.3

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	6.865135378
Employed	7.583728988
Median HI	20.41575773
Education	—
Bachelor's or higher	18.24714487
High school enrollment	100
Preschool enrollment	23.40562043
Transportation	—
Auto Access	19.3763634
Active commuting	78.62184011
Social	—
2-parent households	6.262030027
Voting	28.26895932
Neighborhood	—
Alcohol availability	17.00243809

Park access	81.35506224
Retail density	48.58206082
Supermarket access	75.02887206
Tree canopy	58.18041832
Housing	—
Homeownership	27.34505325
Housing habitability	10.48376748
Low-inc homeowner severe housing cost burden	18.96573848
Low-inc renter severe housing cost burden	20.28743744
Uncrowded housing	13.93558322
Health Outcomes	—
Insured adults	15.88605158
Arthritis	0.0
Asthma ER Admissions	11.0
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	6.0
Cognitively Disabled	28.0
Physically Disabled	18.0
Heart Attack ER Admissions	25.5
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	96.4

Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	3.5
Elderly	97.2
English Speaking	31.4
Foreign-born	52.8
Outdoor Workers	74.3
Climate Change Adaptive Capacity	—
Impervious Surface Cover	32.8
Traffic Density	95.7
Traffic Access	87.4
Other Indices	—
Hardship	86.8
Other Decision Support	—
2016 Voting	9.5

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	99.0
Healthy Places Index Score for Project Location (b)	10.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes

Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	See project assumptions
Construction: Construction Phases	See project assumptions
Construction: Trips and VMT	See project assumptions
Construction: Paving	See project assumptions
Construction: Architectural Coatings	See construction assumptions.
Construction: Off-Road Equipment	see assumption sheet
Construction: Dust From Material Movement	see assumption sheet

CMWC P-12 Con Mit Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

3. Construction Emissions Details

3.1. Demolition (2035) - Unmitigated

3.2. Demolition (2035) - Mitigated

3.3. Grading (2035) - Unmitigated

3.4. Grading (2035) - Mitigated

3.5. Building Construction (2035) - Unmitigated

3.6. Building Construction (2035) - Mitigated

3.7. Building Construction (2036) - Unmitigated

3.8. Building Construction (2036) - Mitigated

3.9. Paving (2036) - Unmitigated

3.10. Paving (2036) - Mitigated

3.11. Architectural Coating (2036) - Unmitigated

3.12. Architectural Coating (2036) - Mitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	CMWC P-12 Con Mit
Construction Start Date	7/1/2035
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.20
Precipitation (days)	17.8
Location	1667 E 118th St, Los Angeles, CA 90059, USA
County	Los Angeles-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4210
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.26

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	108	Dwelling Unit	0.29	80,230	0.00	—	320	—
Strip Mall	10.3	1000sqft	0.10	10,270	0.00	—	—	—

Health Club	5.00	1000sqft	0.05	5,000	0.00	—	—	—
Other Non-Asphalt Surfaces	32.4	1000sqft	0.74	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	30.2	30.1	11.1	13.5	0.04	0.38	3.80	4.18	0.35	1.62	1.96	—	5,225	5,225	0.20	0.44	2.88	5,363
Mit.	30.1	30.1	4.78	15.6	0.04	0.09	3.80	3.89	0.09	1.62	1.70	—	5,225	5,225	0.20	0.44	2.88	5,363
% Reduced	< 0.5%	< 0.5%	57%	-16%	—	76%	—	7%	74%	—	13%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.15	0.98	7.23	12.4	0.02	0.14	1.21	1.34	0.13	0.29	0.41	—	3,068	3,068	0.09	0.07	0.04	3,091
Mit.	0.52	0.49	4.84	13.8	0.02	0.06	1.21	1.27	0.06	0.29	0.35	—	3,068	3,068	0.09	0.07	0.04	3,091
% Reduced	54%	50%	33%	-11%	—	53%	—	5%	51%	—	16%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.36	2.28	3.44	6.08	0.01	0.07	0.56	0.63	0.06	0.17	0.23	—	1,475	1,475	0.05	0.04	0.28	1,485

Mit.	2.06	2.04	2.29	6.76	0.01	0.03	0.56	0.60	0.03	0.17	0.19	—	1,475	1,475	0.05	0.04	0.28	1,485
% Reduced	13%	10%	33%	-11%	—	55%	—	5%	53%	—	18%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.43	0.42	0.63	1.11	< 0.005	0.01	0.10	0.11	0.01	0.03	0.04	—	244	244	0.01	0.01	0.05	246
Mit.	0.38	0.37	0.42	1.23	< 0.005	0.01	0.10	0.11	0.01	0.03	0.03	—	244	244	0.01	0.01	0.05	246
% Reduced	13%	10%	33%	-11%	—	55%	—	5%	53%	—	18%	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2035	1.47	1.16	11.1	13.5	0.04	0.38	3.80	4.18	0.35	1.62	1.96	—	5,225	5,225	0.20	0.44	2.88	5,363
2036	30.2	30.1	6.99	12.6	0.02	0.13	1.21	1.34	0.12	0.29	0.41	—	3,099	3,099	0.09	0.07	1.40	3,122
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2035	1.15	0.98	7.23	12.4	0.02	0.14	1.21	1.34	0.13	0.29	0.41	—	3,068	3,068	0.09	0.07	0.04	3,091
2036	1.13	0.96	7.01	12.2	0.02	0.13	1.21	1.34	0.12	0.29	0.41	—	3,049	3,049	0.09	0.07	0.04	3,071
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2035	0.43	0.36	2.83	4.39	0.01	0.07	0.53	0.60	0.06	0.17	0.23	—	1,187	1,187	0.04	0.04	0.25	1,202
2036	2.36	2.28	3.44	6.08	0.01	0.06	0.56	0.63	0.06	0.13	0.19	—	1,475	1,475	0.05	0.03	0.28	1,485
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2035	0.08	0.07	0.52	0.80	< 0.005	0.01	0.10	0.11	0.01	0.03	0.04	—	197	197	0.01	0.01	0.04	199
2036	0.43	0.42	0.63	1.11	< 0.005	0.01	0.10	0.11	0.01	0.02	0.04	—	244	244	0.01	0.01	0.05	246

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2035	0.53	0.49	4.78	15.6	0.04	0.09	3.80	3.89	0.09	1.62	1.70	—	5,225	5,225	0.20	0.44	2.88	5,363
2036	30.1	30.1	4.77	14.1	0.02	0.06	1.21	1.27	0.06	0.29	0.35	—	3,099	3,099	0.09	0.07	1.40	3,122
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2035	0.52	0.49	4.84	13.8	0.02	0.06	1.21	1.27	0.06	0.29	0.35	—	3,068	3,068	0.09	0.07	0.04	3,091
2036	0.52	0.49	4.79	13.7	0.02	0.06	1.21	1.27	0.06	0.29	0.35	—	3,049	3,049	0.09	0.07	0.04	3,071
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2035	0.17	0.15	1.51	4.96	0.01	0.02	0.53	0.56	0.02	0.17	0.19	—	1,187	1,187	0.04	0.04	0.25	1,202
2036	2.06	2.04	2.29	6.76	0.01	0.03	0.56	0.60	0.03	0.13	0.16	—	1,475	1,475	0.05	0.03	0.28	1,485
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2035	0.03	0.03	0.28	0.90	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	197	197	0.01	0.01	0.04	199
2036	0.38	0.37	0.42	1.23	< 0.005	0.01	0.10	0.11	0.01	0.02	0.03	—	244	244	0.01	0.01	0.05	246

3. Construction Emissions Details

3.1. Demolition (2035) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	1.04	0.88	6.96	8.90	0.02	0.26	—	0.26	0.23	—	0.23	—	1,959	1,959	0.08	0.02	—	1,965
Demolition	—	—	—	—	—	—	0.14	0.14	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.36	0.46	< 0.005	0.01	—	0.01	0.01	—	0.01	—	102	102	< 0.005	< 0.005	—	102
Demolition	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.9	16.9	< 0.005	< 0.005	—	16.9
Demolition	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.28	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	88.7	88.7	< 0.005	< 0.005	0.12	89.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.17	0.06	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	166	166	0.01	0.03	0.17	174

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.45	4.45	< 0.005	< 0.005	< 0.005	4.46
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.63	8.63	< 0.005	< 0.005	< 0.005	9.05
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.74	0.74	< 0.005	< 0.005	< 0.005	0.74
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.43	1.43	< 0.005	< 0.005	< 0.005	1.50

3.2. Demolition (2035) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.18	0.96	10.8	0.02	0.04	—	0.04	0.04	—	0.04	—	1,959	1,959	0.08	0.02	—	1,965
Demolition	—	—	—	—	—	—	0.14	0.14	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.01	0.01	0.05	0.56	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	102	102	< 0.005	< 0.005	—	102
Demoliti on	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	< 0.005	< 0.005	0.01	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.9	16.9	< 0.005	< 0.005	—	16.9
Demoliti on	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.28	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	88.7	88.7	< 0.005	< 0.005	0.12	89.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.17	0.06	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	166	166	0.01	0.03	0.17	174
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.45	4.45	< 0.005	< 0.005	< 0.005	4.46
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.63	8.63	< 0.005	< 0.005	< 0.005	9.05
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.74	0.74	< 0.005	< 0.005	< 0.005	0.74
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.43	1.43	< 0.005	< 0.005	< 0.005	1.50

3.3. Grading (2035) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.30	1.09	8.27	12.1	0.02	0.33	—	0.33	0.31	—	0.31	—	2,455	2,455	0.10	0.02	—	2,463
Dust From Material Movement	—	—	—	—	—	—	2.77	2.77	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.48	0.69	< 0.005	0.02	—	0.02	0.02	—	0.02	—	141	141	0.01	< 0.005	—	142
Dust From Material Movement	—	—	—	—	—	—	0.16	0.16	—	0.08	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.01	0.01	0.09	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	23.4	23.4	< 0.005	< 0.005	—	23.5
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.37	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	118	118	< 0.005	< 0.005	0.15	119
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.15	0.04	2.79	1.04	0.02	0.04	0.90	0.95	0.04	0.25	0.29	—	2,652	2,652	0.10	0.42	2.73	2,782
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.55	6.55	< 0.005	< 0.005	< 0.005	6.57
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.17	0.06	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	153	153	0.01	0.02	0.07	160
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.08	1.08	< 0.005	< 0.005	< 0.005	1.09
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	25.3	25.3	< 0.005	< 0.005	0.01	26.5

3.4. Grading (2035) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.23	1.20	14.2	0.02	0.05	—	0.05	0.05	—	0.05	—	2,455	2,455	0.10	0.02	—	2,463
Dust From Material Movement	—	—	—	—	—	—	2.77	2.77	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.82	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	141	141	0.01	< 0.005	—	142
Dust From Material Movement	—	—	—	—	—	—	0.16	0.16	—	0.08	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.15	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	23.4	23.4	< 0.005	< 0.005	—	23.5
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.37	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	118	118	< 0.005	< 0.005	0.15	119
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.15	0.04	2.79	1.04	0.02	0.04	0.90	0.95	0.04	0.25	0.29	—	2,652	2,652	0.10	0.42	2.73	2,782
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.55	6.55	< 0.005	< 0.005	< 0.005	6.57
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.17	0.06	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	153	153	0.01	0.02	0.07	160
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.08	1.08	< 0.005	< 0.005	< 0.005	1.09
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	25.3	25.3	< 0.005	< 0.005	0.01	26.5

3.5. Building Construction (2035) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.94	0.78	6.71	9.61	0.02	0.13	—	0.13	0.12	—	0.12	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	0.78	6.71	9.61	0.02	0.13	—	0.13	0.12	—	0.12	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24	0.20	1.68	2.41	< 0.005	0.03	—	0.03	0.03	—	0.03	—	451	451	0.02	< 0.005	—	453
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.31	0.44	< 0.005	0.01	—	0.01	0.01	—	0.01	—	74.7	74.7	< 0.005	< 0.005	—	74.9
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.18	0.14	3.09	0.00	0.00	1.09	1.09	0.00	0.25	0.25	—	984	984	0.01	0.01	1.29	987
Vendor	0.02	0.01	0.33	0.16	< 0.005	< 0.005	0.12	0.12	< 0.005	0.03	0.04	—	334	334	0.01	0.05	0.34	349

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.18	0.17	2.62	0.00	0.00	1.09	1.09	0.00	0.25	0.25	—	933	933	0.01	0.01	0.03	935
Vendor	0.02	0.01	0.35	0.17	< 0.005	< 0.005	0.12	0.12	< 0.005	0.03	0.04	—	334	334	0.01	0.05	0.01	349
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.69	0.00	0.00	0.27	0.27	0.00	0.06	0.06	—	237	237	< 0.005	< 0.005	0.14	238
Vendor	0.01	< 0.005	0.09	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	83.6	83.6	< 0.005	0.01	0.04	87.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	39.3	39.3	< 0.005	< 0.005	0.02	39.4
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	13.8	13.8	< 0.005	< 0.005	0.01	14.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Building Construction (2035) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	0.30	4.32	11.0	0.02	0.06	—	0.06	0.06	—	0.06	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	0.30	4.32	11.0	0.02	0.06	—	0.06	0.06	—	0.06	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	1.08	2.75	< 0.005	0.02	—	0.02	0.01	—	0.01	—	451	451	0.02	< 0.005	—	453
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.20	0.50	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	74.7	74.7	< 0.005	< 0.005	—	74.9
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.18	0.14	3.09	0.00	0.00	1.09	1.09	0.00	0.25	0.25	—	984	984	0.01	0.01	1.29	987
Vendor	0.02	0.01	0.33	0.16	< 0.005	< 0.005	0.12	0.12	< 0.005	0.03	0.04	—	334	334	0.01	0.05	0.34	349
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.18	0.17	2.62	0.00	0.00	1.09	1.09	0.00	0.25	0.25	—	933	933	0.01	0.01	0.03	935

Vendor	0.02	0.01	0.35	0.17	< 0.005	< 0.005	0.12	0.12	< 0.005	0.03	0.04	—	334	334	0.01	0.05	0.01	349
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.69	0.00	0.00	0.27	0.27	0.00	0.06	0.06	—	237	237	< 0.005	< 0.005	0.14	238
Vendor	0.01	< 0.005	0.09	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	83.6	83.6	< 0.005	0.01	0.04	87.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	39.3	39.3	< 0.005	< 0.005	0.02	39.4
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	13.8	13.8	< 0.005	< 0.005	0.01	14.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.93	0.77	6.54	9.54	0.02	0.13	—	0.13	0.12	—	0.12	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.93	0.77	6.54	9.54	0.02	0.13	—	0.13	0.12	—	0.12	—	1,801	1,801	0.07	0.01	—	1,807

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	0.35	2.97	4.33	0.01	0.06	—	0.06	0.05	—	0.05	—	818	818	0.03	0.01	—	820
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.06	0.54	0.79	< 0.005	0.01	—	0.01	0.01	—	0.01	—	135	135	0.01	< 0.005	—	136
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.18	0.13	2.94	0.00	0.00	1.09	1.09	0.00	0.25	0.25	—	975	975	0.01	0.01	1.12	978
Vendor	0.02	0.01	0.32	0.16	< 0.005	< 0.005	0.12	0.12	< 0.005	0.03	0.04	—	323	323	0.01	0.05	0.28	337
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.18	0.14	2.49	0.00	0.00	1.09	1.09	0.00	0.25	0.25	—	925	925	0.01	0.01	0.03	927
Vendor	0.02	0.01	0.33	0.16	< 0.005	< 0.005	0.12	0.12	< 0.005	0.03	0.04	—	323	323	0.01	0.05	0.01	337
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.06	1.19	0.00	0.00	0.49	0.49	0.00	0.11	0.11	—	426	426	< 0.005	< 0.005	0.22	427
Vendor	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.05	0.06	< 0.005	0.01	0.02	—	147	147	< 0.005	0.02	0.06	153

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.22	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	70.5	70.5	< 0.005	< 0.005	0.04	70.7
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	24.3	24.3	< 0.005	< 0.005	0.01	25.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	0.30	4.32	11.0	0.02	0.06	—	0.06	0.06	—	0.06	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	0.30	4.32	11.0	0.02	0.06	—	0.06	0.06	—	0.06	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.14	1.96	4.99	0.01	0.03	—	0.03	0.03	—	0.03	—	818	818	0.03	0.01	—	820

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.36	0.91	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	135	135	0.01	< 0.005	—	136
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.18	0.13	2.94	0.00	0.00	1.09	1.09	0.00	0.25	0.25	—	975	975	0.01	0.01	1.12	978
Vendor	0.02	0.01	0.32	0.16	< 0.005	< 0.005	0.12	0.12	< 0.005	0.03	0.04	—	323	323	0.01	0.05	0.28	337
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.18	0.14	2.49	0.00	0.00	1.09	1.09	0.00	0.25	0.25	—	925	925	0.01	0.01	0.03	927
Vendor	0.02	0.01	0.33	0.16	< 0.005	< 0.005	0.12	0.12	< 0.005	0.03	0.04	—	323	323	0.01	0.05	0.01	337
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.06	1.19	0.00	0.00	0.49	0.49	0.00	0.11	0.11	—	426	426	< 0.005	< 0.005	0.22	427
Vendor	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.05	0.06	< 0.005	0.01	0.02	—	147	147	< 0.005	0.02	0.06	153
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.22	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	70.5	70.5	< 0.005	< 0.005	0.04	70.7
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	24.3	24.3	< 0.005	< 0.005	0.01	25.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	0.35	3.59	6.42	0.01	0.08	—	0.08	0.08	—	0.08	—	991	991	0.04	0.01	—	994
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	0.35	3.59	6.42	0.01	0.08	—	0.08	0.08	—	0.08	—	991	991	0.04	0.01	—	994
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.21	0.37	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	57.0	57.0	< 0.005	< 0.005	—	57.2
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	< 0.005	< 0.005	0.04	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.44	9.44	< 0.005	< 0.005	—	9.47
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.44	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	147	147	< 0.005	< 0.005	0.17	147
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.38	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	139	139	< 0.005	< 0.005	< 0.005	139
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.12	8.12	< 0.005	< 0.005	< 0.005	8.14
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.34	1.34	< 0.005	< 0.005	< 0.005	1.35
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Paving (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.14	1.30	6.89	0.01	0.03	—	0.03	0.03	—	0.03	—	991	991	0.04	0.01	—	994
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.14	1.30	6.89	0.01	0.03	—	0.03	0.03	—	0.03	—	991	991	0.04	0.01	—	994
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.40	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	57.0	57.0	< 0.005	< 0.005	—	57.2
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.44	9.44	< 0.005	< 0.005	—	9.47
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.44	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	147	147	< 0.005	< 0.005	0.17	147
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.38	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	139	139	< 0.005	< 0.005	< 0.005	139
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.12	8.12	< 0.005	< 0.005	< 0.005	8.14
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.34	1.34	< 0.005	< 0.005	< 0.005	1.35
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Architectural Coating (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.75	1.10	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	30.0	30.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.05	8.05	< 0.005	< 0.005	—	8.08
Architectural Coatings	1.81	1.81	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.33	1.33	< 0.005	< 0.005	—	1.34
Architectural Coatings	0.33	0.33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.59	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	195	195	< 0.005	< 0.005	0.22	196
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.3	11.3	< 0.005	< 0.005	0.01	11.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.87	1.87	< 0.005	< 0.005	< 0.005	1.88
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Architectural Coating (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	30.0	30.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.05	8.05	< 0.005	< 0.005	—	8.08
Architectural Coatings	1.81	1.81	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.33	1.33	< 0.005	< 0.005	—	1.34
Architectural Coatings	0.33	0.33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.59	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	195	195	< 0.005	< 0.005	0.22	196
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.3	11.3	< 0.005	< 0.005	0.01	11.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.87	1.87	< 0.005	< 0.005	< 0.005	1.88
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	7/1/2035	7/26/2035	5.00	19.0	—
Grading	Grading	7/27/2035	8/25/2035	5.00	21.0	—
Building Construction	Building Construction	8/26/2035	8/19/2036	5.00	257	—
Paving	Paving	9/19/2036	10/18/2036	5.00	21.0	—
Architectural Coating	Architectural Coating	8/20/2036	9/18/2036	5.00	22.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Demolition	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	7.00	84.0	0.37
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Building Construction	Cranes	Diesel	Average	1.00	6.00	367	0.29
Building Construction	Forklifts	Diesel	Average	1.00	6.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	6.00	84.0	0.37

Building Construction	Welders	Diesel	Average	3.00	8.00	46.0	0.45
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Paving	Pavers	Diesel	Average	1.00	6.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	1.00	7.00	36.0	0.38
Paving	Cement and Mortar Mixers	Diesel	Average	1.00	6.00	10.0	0.56
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Demolition	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Grading	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	7.00	84.0	0.37
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	6.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	1.00	6.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	6.00	84.0	0.37
Building Construction	Welders	Diesel	Tier 4 Final	3.00	8.00	46.0	0.45
Paving	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Paving	Pavers	Diesel	Tier 4 Final	1.00	6.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	1.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Tier 4 Final	1.00	7.00	36.0	0.38

Paving	Cement and Mortar Mixers	Diesel	Average	1.00	6.00	10.0	0.56
Architectural Coating	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	7.50	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	2.00	30.5	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	10.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	32.0	30.5	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	83.1	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	14.0	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	12.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—

Architectural Coating	Worker	16.6	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	7.50	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	2.00	30.5	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	10.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	32.0	30.5	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	83.1	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	14.0	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	12.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—

Architectural Coating	Worker	16.6	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	162,466	54,156	24,363	7,797	1,944

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	190	—
Grading	—	8,160	21.0	0.00	—
Paving	0.00	0.00	0.00	0.00	0.12

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Mid Rise	—	0%
Strip Mall	0.00	0%
Health Club	0.00	0%
Other Non-Asphalt Surfaces	0.12	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2035	0.00	532	0.03	< 0.005
2036	0.00	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	6.58	annual days of extreme heat
Extreme Precipitation	4.40	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	32.1
AQ-PM	84.1
AQ-DPM	81.1
Drinking Water	50.7
Lead Risk Housing	93.2
Pesticides	0.00
Toxic Releases	97.9
Traffic	88.7
Effect Indicators	—
CleanUp Sites	43.2
Groundwater	65.3
Haz Waste Facilities/Generators	92.3
Impaired Water Bodies	66.7
Solid Waste	39.0
Sensitive Population	—
Asthma	96.0

Cardio-vascular	97.1
Low Birth Weights	87.6
Socioeconomic Factor Indicators	—
Education	91.3
Housing	68.5
Linguistic	74.8
Poverty	92.6
Unemployment	94.3

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	6.865135378
Employed	7.583728988
Median HI	20.41575773
Education	—
Bachelor's or higher	18.24714487
High school enrollment	100
Preschool enrollment	23.40562043
Transportation	—
Auto Access	19.3763634
Active commuting	78.62184011
Social	—
2-parent households	6.262030027
Voting	28.26895932
Neighborhood	—
Alcohol availability	17.00243809

Park access	81.35506224
Retail density	48.58206082
Supermarket access	75.02887206
Tree canopy	58.18041832
Housing	—
Homeownership	27.34505325
Housing habitability	10.48376748
Low-inc homeowner severe housing cost burden	18.96573848
Low-inc renter severe housing cost burden	20.28743744
Uncrowded housing	13.93558322
Health Outcomes	—
Insured adults	15.88605158
Arthritis	0.0
Asthma ER Admissions	11.0
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	6.0
Cognitively Disabled	28.0
Physically Disabled	18.0
Heart Attack ER Admissions	25.5
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	96.4

Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	3.5
Elderly	97.2
English Speaking	31.4
Foreign-born	52.8
Outdoor Workers	74.3
Climate Change Adaptive Capacity	—
Impervious Surface Cover	32.8
Traffic Density	95.7
Traffic Access	87.4
Other Indices	—
Hardship	86.8
Other Decision Support	—
2016 Voting	9.5

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	99.0
Healthy Places Index Score for Project Location (b)	10.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes

Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	See project assumptions
Construction: Construction Phases	See project assumptions
Construction: Trips and VMT	See project assumptions
Construction: Paving	See project assumptions
Construction: Architectural Coatings	See construction assumptions.
Construction: Off-Road Equipment	see assumption sheet
Construction: Dust From Material Movement	see assumption sheet

CMWC P-13 Con Mit (ROG) Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

3. Construction Emissions Details

3.1. Demolition (2035) - Unmitigated

3.2. Demolition (2035) - Mitigated

3.3. Grading (2035) - Unmitigated

3.4. Grading (2035) - Mitigated

3.5. Building Construction (2035) - Unmitigated

3.6. Building Construction (2035) - Mitigated

3.7. Building Construction (2036) - Unmitigated

3.8. Building Construction (2036) - Mitigated

3.9. Paving (2036) - Unmitigated

3.10. Paving (2036) - Mitigated

3.11. Architectural Coating (2036) - Unmitigated

3.12. Architectural Coating (2036) - Mitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	CMWC P-13 Con Mit (ROG)
Construction Start Date	7/1/2035
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.20
Precipitation (days)	17.8
Location	1667 E 118th St, Los Angeles, CA 90059, USA
County	Los Angeles-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4210
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.26

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	55.0	Dwelling Unit	0.20	54,750	0.00	—	163	—

Other Non-Asphalt Surfaces	20.9	1000sqft	0.47	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers
Construction	C-13	Use Low-VOC Paints for Construction

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	16.2	16.2	7.58	9.13	0.03	0.27	2.74	3.01	0.25	1.18	1.43	—	3,460	3,460	0.14	0.27	1.82	3,547
Mit.	15.9	15.9	2.59	10.7	0.03	0.06	2.74	2.80	0.06	1.18	1.24	—	3,460	3,460	0.14	0.27	1.82	3,547
% Reduced	2%	2%	66%	-17%	—	78%	—	7%	76%	—	13%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.56	0.48	3.64	8.10	0.01	0.10	0.57	0.65	0.09	0.14	0.22	—	1,888	1,888	0.06	0.03	0.02	1,900
Mit.	0.31	0.28	2.11	9.42	0.01	0.06	0.57	0.59	0.06	0.14	0.16	—	1,888	1,888	0.06	0.03	0.02	1,900
% Reduced	44%	42%	42%	-16%	—	39%	—	9%	38%	—	25%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.25	1.21	1.84	4.07	0.01	0.04	0.32	0.36	0.04	0.11	0.14	—	929	929	0.03	0.03	0.14	934

Mit.	1.08	1.07	0.55	4.70	0.01	0.02	0.32	0.33	0.02	0.11	0.12	—	929	929	0.03	0.03	0.14	934
% Reduced	14%	12%	70%	-15%	—	64%	—	8%	61%	—	18%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.23	0.22	0.34	0.74	< 0.005	0.01	0.06	0.07	0.01	0.02	0.03	—	154	154	0.01	< 0.005	0.02	155
Mit.	0.20	0.20	0.10	0.86	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	154	154	0.01	< 0.005	0.02	155
% Reduced	14%	12%	70%	-15%	—	64%	—	8%	61%	—	18%	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2035	1.04	0.83	7.58	9.13	0.03	0.27	2.74	3.01	0.25	1.18	1.43	—	3,460	3,460	0.14	0.27	1.82	3,547
2036	16.2	16.2	3.64	8.20	0.01	0.10	0.57	0.65	0.09	0.14	0.21	—	1,904	1,904	0.06	0.03	0.65	1,916
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2035	0.56	0.48	3.64	8.10	0.01	0.09	0.57	0.65	0.08	0.14	0.22	—	1,888	1,888	0.06	0.03	0.02	1,900
2036	0.55	0.47	3.64	7.99	0.01	0.10	0.57	0.65	0.09	0.14	0.21	—	1,880	1,880	0.06	0.03	0.02	1,891
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2035	0.22	0.18	1.47	2.77	0.01	0.04	0.32	0.36	0.04	0.11	0.14	—	727	727	0.03	0.03	0.14	736
2036	1.25	1.21	1.84	4.07	0.01	0.04	0.27	0.32	0.04	0.07	0.10	—	929	929	0.03	0.02	0.14	934
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2035	0.04	0.03	0.27	0.51	< 0.005	0.01	0.06	0.07	0.01	0.02	0.03	—	120	120	< 0.005	< 0.005	0.02	122
2036	0.23	0.22	0.34	0.74	< 0.005	0.01	0.05	0.06	0.01	0.01	0.02	—	154	154	0.01	< 0.005	0.02	155

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2035	0.27	0.22	2.59	10.7	0.03	0.06	2.74	2.80	0.06	1.18	1.24	—	3,460	3,460	0.14	0.27	1.82	3,547
2036	15.9	15.9	2.11	9.57	0.01	0.06	0.57	0.59	0.06	0.14	0.16	—	1,904	1,904	0.06	0.03	0.65	1,916
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2035	0.22	0.21	0.87	9.42	0.01	0.03	0.57	0.59	0.03	0.14	0.16	—	1,888	1,888	0.06	0.03	0.02	1,900
2036	0.31	0.28	2.11	9.36	0.01	0.06	0.57	0.59	0.06	0.14	0.16	—	1,880	1,880	0.06	0.03	0.02	1,891
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2035	0.08	0.07	0.41	3.21	0.01	0.01	0.32	0.33	0.01	0.11	0.12	—	727	727	0.03	0.03	0.14	736
2036	1.08	1.07	0.55	4.70	0.01	0.02	0.27	0.29	0.02	0.07	0.08	—	929	929	0.03	0.02	0.14	934
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2035	0.01	0.01	0.07	0.59	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	120	120	< 0.005	< 0.005	0.02	122
2036	0.20	0.20	0.10	0.86	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	154	154	0.01	< 0.005	0.02	155

3. Construction Emissions Details

3.1. Demolition (2035) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.25	0.21	1.93	3.51	0.01	0.05	—	0.05	0.05	—	0.05	—	607	607	0.02	< 0.005	—	610
Demoliti on	—	—	—	—	—	—	0.23	0.23	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.01	0.01	0.10	0.18	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	31.6	31.6	< 0.005	< 0.005	—	31.7
Demoliti on	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	< 0.005	< 0.005	0.02	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.24	5.24	< 0.005	< 0.005	—	5.25
Demoliti on	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.28	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	88.7	88.7	< 0.005	< 0.005	0.12	89.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	0.01	0.35	0.13	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04	—	332	332	0.01	0.05	0.34	348

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.45	4.45	< 0.005	< 0.005	< 0.005	4.46
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	17.3	17.3	< 0.005	< 0.005	0.01	18.1
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.74	0.74	< 0.005	< 0.005	< 0.005	0.74
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.86	2.86	< 0.005	< 0.005	< 0.005	3.00

3.2. Demolition (2035) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.06	0.30	3.88	0.01	0.01	—	0.01	0.01	—	0.01	—	607	607	0.02	< 0.005	—	610
Demolition	—	—	—	—	—	—	0.23	0.23	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	< 0.005	< 0.005	0.02	0.20	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	31.6	31.6	< 0.005	< 0.005	—	31.7
Demoliti on	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	< 0.005	< 0.005	< 0.005	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.24	5.24	< 0.005	< 0.005	—	5.25
Demoliti on	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.28	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	88.7	88.7	< 0.005	< 0.005	0.12	89.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	0.01	0.35	0.13	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04	—	332	332	0.01	0.05	0.34	348
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.45	4.45	< 0.005	< 0.005	< 0.005	4.46
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	17.3	17.3	< 0.005	< 0.005	0.01	18.1
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.74	0.74	< 0.005	< 0.005	< 0.005	0.74
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.86	2.86	< 0.005	< 0.005	< 0.005	3.00

3.3. Grading (2035) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.93	0.78	5.83	8.21	0.02	0.24	—	0.24	0.22	—	0.22	—	1,714	1,714	0.07	0.01	—	1,720
Dust From Material Movement	—	—	—	—	—	—	2.08	2.08	—	1.00	1.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.34	0.47	< 0.005	0.01	—	0.01	0.01	—	0.01	—	98.6	98.6	< 0.005	< 0.005	—	99.0
Dust From Material Movement	—	—	—	—	—	—	0.12	0.12	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.01	0.01	0.06	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.3	16.3	< 0.005	< 0.005	—	16.4
Dust From Material Movement	—	—	—	—	—	—	0.02	0.02	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.28	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	88.7	88.7	< 0.005	< 0.005	0.12	89.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.03	1.74	0.65	0.01	0.03	0.57	0.59	0.03	0.15	0.18	—	1,658	1,658	0.07	0.26	1.70	1,739
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.91	4.91	< 0.005	< 0.005	< 0.005	4.93
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.11	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	95.4	95.4	< 0.005	0.01	0.04	100.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.81	0.81	< 0.005	< 0.005	< 0.005	0.82
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	15.8	15.8	< 0.005	< 0.005	0.01	16.6

3.4. Grading (2035) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.16	0.84	9.79	0.02	0.03	—	0.03	0.03	—	0.03	—	1,714	1,714	0.07	0.01	—	1,720
Dust From Material Movement	—	—	—	—	—	—	2.08	2.08	—	1.00	1.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.56	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	98.6	98.6	< 0.005	< 0.005	—	99.0
Dust From Material Movement	—	—	—	—	—	—	0.12	0.12	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.3	16.3	< 0.005	< 0.005	—	16.4
Dust From Material Movement	—	—	—	—	—	—	0.02	0.02	—	0.01	0.01	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.28	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	88.7	88.7	< 0.005	< 0.005	0.12	89.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.03	1.74	0.65	0.01	0.03	0.57	0.59	0.03	0.15	0.18	—	1,658	1,658	0.07	0.26	1.70	1,739
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.91	4.91	< 0.005	< 0.005	< 0.005	4.93
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.11	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	95.4	95.4	< 0.005	0.01	0.04	100.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.81	0.81	< 0.005	< 0.005	< 0.005	0.82
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	15.8	15.8	< 0.005	< 0.005	0.01	16.6

3.5. Building Construction (2035) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.46	0.39	3.41	6.78	0.01	0.09	—	0.09	0.08	—	0.08	—	1,304	1,304	0.05	0.01	—	1,309
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.39	3.41	6.78	0.01	0.09	—	0.09	0.08	—	0.08	—	1,304	1,304	0.05	0.01	—	1,309
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.86	1.70	< 0.005	0.02	—	0.02	0.02	—	0.02	—	327	327	0.01	< 0.005	—	328
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.16	0.31	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	54.1	54.1	< 0.005	< 0.005	—	54.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.09	0.07	1.47	0.00	0.00	0.52	0.52	0.00	0.12	0.12	—	469	469	< 0.005	< 0.005	0.61	470
Vendor	0.01	< 0.005	0.14	0.07	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	140	140	< 0.005	0.02	0.14	146

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.09	0.08	1.25	0.00	0.00	0.52	0.52	0.00	0.12	0.12	—	444	444	< 0.005	< 0.005	0.02	445
Vendor	0.01	< 0.005	0.14	0.07	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	140	140	< 0.005	0.02	< 0.005	146
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.33	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	113	113	< 0.005	< 0.005	0.07	113
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	35.0	35.0	< 0.005	0.01	0.02	36.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	18.7	18.7	< 0.005	< 0.005	0.01	18.7
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.80	5.80	< 0.005	< 0.005	< 0.005	6.06
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Building Construction (2035) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.12	0.64	8.10	0.01	0.02	—	0.02	0.02	—	0.02	—	1,304	1,304	0.05	0.01	—	1,309
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.12	0.64	8.10	0.01	0.02	—	0.02	0.02	—	0.02	—	1,304	1,304	0.05	0.01	—	1,309
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.16	2.03	< 0.005	0.01	—	0.01	0.01	—	0.01	—	327	327	0.01	< 0.005	—	328
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.03	0.37	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	54.1	54.1	< 0.005	< 0.005	—	54.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.09	0.07	1.47	0.00	0.00	0.52	0.52	0.00	0.12	0.12	—	469	469	< 0.005	< 0.005	0.61	470
Vendor	0.01	< 0.005	0.14	0.07	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	140	140	< 0.005	0.02	0.14	146
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.09	0.08	1.25	0.00	0.00	0.52	0.52	0.00	0.12	0.12	—	444	444	< 0.005	< 0.005	0.02	445

Vendor	0.01	< 0.005	0.14	0.07	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	140	140	< 0.005	0.02	< 0.005	146
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.33	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	113	113	< 0.005	< 0.005	0.07	113
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	35.0	35.0	< 0.005	0.01	0.02	36.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	18.7	18.7	< 0.005	< 0.005	0.01	18.7
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.80	5.80	< 0.005	< 0.005	< 0.005	6.06
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	0.38	3.29	6.73	0.01	0.08	—	0.08	0.07	—	0.07	—	1,304	1,304	0.05	0.01	—	1,309
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	0.38	3.29	6.73	0.01	0.08	—	0.08	0.07	—	0.07	—	1,304	1,304	0.05	0.01	—	1,309

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.17	1.49	3.06	0.01	0.04	—	0.04	0.03	—	0.03	—	592	592	0.02	< 0.005	—	594
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.27	0.56	< 0.005	0.01	—	0.01	0.01	—	0.01	—	98.0	98.0	< 0.005	< 0.005	—	98.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.09	0.06	1.40	0.00	0.00	0.52	0.52	0.00	0.12	0.12	—	464	464	< 0.005	< 0.005	0.53	466
Vendor	0.01	< 0.005	0.13	0.07	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	135	135	< 0.005	0.02	0.12	141
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.09	0.07	1.19	0.00	0.00	0.52	0.52	0.00	0.12	0.12	—	441	441	< 0.005	< 0.005	0.01	441
Vendor	0.01	< 0.005	0.14	0.07	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	135	135	< 0.005	0.02	< 0.005	141
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.57	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	203	203	< 0.005	< 0.005	0.10	203
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	61.4	61.4	< 0.005	0.01	0.02	64.1

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	33.6	33.6	< 0.005	< 0.005	0.02	33.7
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.2	10.2	< 0.005	< 0.005	< 0.005	10.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.12	0.64	8.10	0.01	0.02	—	0.02	0.02	—	0.02	—	1,304	1,304	0.05	0.01	—	1,309
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.12	0.64	8.10	0.01	0.02	—	0.02	0.02	—	0.02	—	1,304	1,304	0.05	0.01	—	1,309
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.06	0.29	3.68	0.01	0.01	—	0.01	0.01	—	0.01	—	592	592	0.02	< 0.005	—	594

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.67	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	98.0	98.0	< 0.005	< 0.005	—	98.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.09	0.06	1.40	0.00	0.00	0.52	0.52	0.00	0.12	0.12	—	464	464	< 0.005	< 0.005	0.53	466
Vendor	0.01	< 0.005	0.13	0.07	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	135	135	< 0.005	0.02	0.12	141
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.09	0.07	1.19	0.00	0.00	0.52	0.52	0.00	0.12	0.12	—	441	441	< 0.005	< 0.005	0.01	441
Vendor	0.01	< 0.005	0.14	0.07	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	135	135	< 0.005	0.02	< 0.005	141
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.57	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	203	203	< 0.005	< 0.005	0.10	203
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	61.4	61.4	< 0.005	0.01	0.02	64.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	33.6	33.6	< 0.005	< 0.005	0.02	33.7
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.2	10.2	< 0.005	< 0.005	< 0.005	10.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.47	0.39	3.61	5.25	0.01	0.10	—	0.10	0.09	—	0.09	—	823	823	0.03	0.01	—	826
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.47	0.39	3.61	5.25	0.01	0.10	—	0.10	0.09	—	0.09	—	823	823	0.03	0.01	—	826
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.21	0.30	< 0.005	0.01	—	0.01	0.01	—	0.01	—	47.3	47.3	< 0.005	< 0.005	—	47.5
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	< 0.005	< 0.005	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.84	7.84	< 0.005	< 0.005	—	7.86
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.62	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	205	205	< 0.005	< 0.005	0.23	206
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.53	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	195	195	< 0.005	< 0.005	0.01	195
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.4	11.4	< 0.005	< 0.005	0.01	11.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.88	1.88	< 0.005	< 0.005	< 0.005	1.89
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Paving (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	0.23	2.08	5.55	0.01	0.06	—	0.06	0.06	—	0.06	—	823	823	0.03	0.01	—	826
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	0.23	2.08	5.55	0.01	0.06	—	0.06	0.06	—	0.06	—	823	823	0.03	0.01	—	826
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.12	0.32	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	47.3	47.3	< 0.005	< 0.005	—	47.5
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.84	7.84	< 0.005	< 0.005	—	7.86
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.62	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	205	205	< 0.005	< 0.005	0.23	206
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.53	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	195	195	< 0.005	< 0.005	0.01	195
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.4	11.4	< 0.005	< 0.005	0.01	11.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.88	1.88	< 0.005	< 0.005	< 0.005	1.89
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Architectural Coating (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.75	1.10	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	16.1	16.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.05	8.05	< 0.005	< 0.005	—	8.08
Architectural Coatings	0.97	0.97	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.33	1.33	< 0.005	< 0.005	—	1.34
Architectural Coatings	0.18	0.18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.28	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	92.9	92.9	< 0.005	< 0.005	0.11	93.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.39	5.39	< 0.005	< 0.005	< 0.005	5.40
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.89	0.89	< 0.005	< 0.005	< 0.005	0.89
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Architectural Coating (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	15.9	15.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.05	8.05	< 0.005	< 0.005	—	8.08
Architectural Coatings	0.96	0.96	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.33	1.33	< 0.005	< 0.005	—	1.34
Architectural Coatings	0.17	0.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.28	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	92.9	92.9	< 0.005	< 0.005	0.11	93.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.39	5.39	< 0.005	< 0.005	< 0.005	5.40
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.89	0.89	< 0.005	< 0.005	< 0.005	0.89
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	7/1/2035	7/26/2035	5.00	19.0	—
Grading	Grading	7/27/2035	8/25/2035	5.00	21.0	—
Building Construction	Building Construction	8/26/2035	8/19/2036	5.00	257	—
Paving	Paving	9/19/2036	10/18/2036	5.00	21.0	—
Architectural Coating	Architectural Coating	8/20/2036	9/18/2036	5.00	22.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	2.00	6.00	84.0	0.37
Demolition	Rubber Tired Dozers	Diesel	Average	1.00	1.00	367	0.40
Grading	Graders	Diesel	Average	1.00	6.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	6.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	1.00	4.00	367	0.29
Building Construction	Forklifts	Diesel	Average	2.00	6.00	82.0	0.20
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37

Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Paving	Cement and Mortar Mixers	Diesel	Average	4.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Average	1.00	7.00	81.0	0.42
Paving	Rollers	Diesel	Average	1.00	7.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	6.00	84.0	0.37
Demolition	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	1.00	367	0.40
Grading	Graders	Diesel	Tier 4 Final	1.00	6.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	6.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	7.00	84.0	0.37
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	4.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	2.00	6.00	82.0	0.20
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Paving	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	7.00	84.0	0.37
Paving	Cement and Mortar Mixers	Diesel	Average	4.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Tier 4 Final	1.00	7.00	81.0	0.42
Paving	Rollers	Diesel	Tier 4 Final	1.00	7.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	7.50	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	4.00	30.5	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	7.50	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	20.0	30.5	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	39.6	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	5.88	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	17.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	7.92	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	7.50	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	4.00	30.5	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	7.50	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	20.0	30.5	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	39.6	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	5.88	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	17.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	7.92	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	110,869	36,957	939	105	1,251

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	320	—
Grading	—	4,730	15.8	0.00	—
Paving	0.00	0.00	0.00	0.00	0.07

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Mid Rise	0.00	0%
Other Non-Asphalt Surfaces	0.07	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2035	0.00	532	0.03	< 0.005
2036	0.00	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	6.58	annual days of extreme heat
Extreme Precipitation	4.40	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A

Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	32.1
AQ-PM	84.1
AQ-DPM	81.1
Drinking Water	50.7
Lead Risk Housing	93.2
Pesticides	0.00
Toxic Releases	97.9
Traffic	88.7
Effect Indicators	—
CleanUp Sites	43.2
Groundwater	65.3
Haz Waste Facilities/Generators	92.3
Impaired Water Bodies	66.7
Solid Waste	39.0
Sensitive Population	—
Asthma	96.0
Cardio-vascular	97.1
Low Birth Weights	87.6
Socioeconomic Factor Indicators	—
Education	91.3
Housing	68.5
Linguistic	74.8
Poverty	92.6
Unemployment	94.3

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	6.865135378
Employed	7.583728988
Median HI	20.41575773
Education	—
Bachelor's or higher	18.24714487
High school enrollment	100
Preschool enrollment	23.40562043
Transportation	—
Auto Access	19.3763634
Active commuting	78.62184011
Social	—
2-parent households	6.262030027
Voting	28.26895932
Neighborhood	—
Alcohol availability	17.00243809
Park access	81.35506224
Retail density	48.58206082
Supermarket access	75.02887206
Tree canopy	58.18041832
Housing	—
Homeownership	27.34505325
Housing habitability	10.48376748
Low-inc homeowner severe housing cost burden	18.96573848
Low-inc renter severe housing cost burden	20.28743744

Uncrowded housing	13.93558322
Health Outcomes	—
Insured adults	15.88605158
Arthritis	0.0
Asthma ER Admissions	11.0
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	6.0
Cognitively Disabled	28.0
Physically Disabled	18.0
Heart Attack ER Admissions	25.5
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	96.4
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0

Children	3.5
Elderly	97.2
English Speaking	31.4
Foreign-born	52.8
Outdoor Workers	74.3
Climate Change Adaptive Capacity	—
Impervious Surface Cover	32.8
Traffic Density	95.7
Traffic Access	87.4
Other Indices	—
Hardship	86.8
Other Decision Support	—
2016 Voting	9.5

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	99.0
Healthy Places Index Score for Project Location (b)	10.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	See project assumptions
Construction: Construction Phases	See project assumptions
Construction: Trips and VMT	See project assumptions
Construction: Paving	See project assumptions
Construction: Architectural Coatings	See construction assumptions.
Construction: Off-Road Equipment	see assumptions sheet

CMWC P-13 Con Mit Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

3. Construction Emissions Details

3.1. Demolition (2035) - Unmitigated

3.2. Demolition (2035) - Mitigated

3.3. Grading (2035) - Unmitigated

3.4. Grading (2035) - Mitigated

3.5. Building Construction (2035) - Unmitigated

3.6. Building Construction (2035) - Mitigated

3.7. Building Construction (2036) - Unmitigated

3.8. Building Construction (2036) - Mitigated

3.9. Paving (2036) - Unmitigated

3.10. Paving (2036) - Mitigated

3.11. Architectural Coating (2036) - Unmitigated

3.12. Architectural Coating (2036) - Mitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	CMWC P-13 Con Mit
Construction Start Date	7/1/2035
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.20
Precipitation (days)	17.8
Location	1667 E 118th St, Los Angeles, CA 90059, USA
County	Los Angeles-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4210
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.26

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	55.0	Dwelling Unit	0.20	54,750	0.00	—	163	—

Other Non-Asphalt Surfaces	20.9	1000sqft	0.47	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	16.2	16.2	7.58	9.13	0.03	0.27	2.74	3.01	0.25	1.18	1.43	—	3,460	3,460	0.14	0.27	1.82	3,547
Mit.	16.1	16.1	2.59	10.7	0.03	0.06	2.74	2.80	0.06	1.18	1.24	—	3,460	3,460	0.14	0.27	1.82	3,547
% Reduced	1%	< 0.5%	66%	-17%	—	78%	—	7%	76%	—	13%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.56	0.48	3.64	8.10	0.01	0.10	0.57	0.65	0.09	0.14	0.22	—	1,888	1,888	0.06	0.03	0.02	1,900
Mit.	0.31	0.28	2.11	9.42	0.01	0.06	0.57	0.59	0.06	0.14	0.16	—	1,888	1,888	0.06	0.03	0.02	1,900
% Reduced	44%	42%	42%	-16%	—	39%	—	9%	38%	—	25%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.25	1.21	1.84	4.07	0.01	0.04	0.32	0.36	0.04	0.11	0.14	—	929	929	0.03	0.03	0.14	934
Mit.	1.09	1.08	0.55	4.70	0.01	0.02	0.32	0.33	0.02	0.11	0.12	—	929	929	0.03	0.03	0.14	934

% Reduced	13%	11%	70%	-15%	—	64%	—	8%	61%	—	18%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.23	0.22	0.34	0.74	< 0.005	0.01	0.06	0.07	0.01	0.02	0.03	—	154	154	0.01	< 0.005	0.02	155
Mit.	0.20	0.20	0.10	0.86	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	154	154	0.01	< 0.005	0.02	155
% Reduced	13%	11%	70%	-15%	—	64%	—	8%	61%	—	18%	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2035	1.04	0.83	7.58	9.13	0.03	0.27	2.74	3.01	0.25	1.18	1.43	—	3,460	3,460	0.14	0.27	1.82	3,547
2036	16.2	16.2	3.64	8.20	0.01	0.10	0.57	0.65	0.09	0.14	0.21	—	1,904	1,904	0.06	0.03	0.65	1,916
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2035	0.56	0.48	3.64	8.10	0.01	0.09	0.57	0.65	0.08	0.14	0.22	—	1,888	1,888	0.06	0.03	0.02	1,900
2036	0.55	0.47	3.64	7.99	0.01	0.10	0.57	0.65	0.09	0.14	0.21	—	1,880	1,880	0.06	0.03	0.02	1,891
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2035	0.22	0.18	1.47	2.77	0.01	0.04	0.32	0.36	0.04	0.11	0.14	—	727	727	0.03	0.03	0.14	736
2036	1.25	1.21	1.84	4.07	0.01	0.04	0.27	0.32	0.04	0.07	0.10	—	929	929	0.03	0.02	0.14	934
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2035	0.04	0.03	0.27	0.51	< 0.005	0.01	0.06	0.07	0.01	0.02	0.03	—	120	120	< 0.005	< 0.005	0.02	122
2036	0.23	0.22	0.34	0.74	< 0.005	0.01	0.05	0.06	0.01	0.01	0.02	—	154	154	0.01	< 0.005	0.02	155

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2035	0.27	0.22	2.59	10.7	0.03	0.06	2.74	2.80	0.06	1.18	1.24	—	3,460	3,460	0.14	0.27	1.82	3,547
2036	16.1	16.1	2.11	9.57	0.01	0.06	0.57	0.59	0.06	0.14	0.16	—	1,904	1,904	0.06	0.03	0.65	1,916
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2035	0.22	0.21	0.87	9.42	0.01	0.03	0.57	0.59	0.03	0.14	0.16	—	1,888	1,888	0.06	0.03	0.02	1,900
2036	0.31	0.28	2.11	9.36	0.01	0.06	0.57	0.59	0.06	0.14	0.16	—	1,880	1,880	0.06	0.03	0.02	1,891
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2035	0.08	0.07	0.41	3.21	0.01	0.01	0.32	0.33	0.01	0.11	0.12	—	727	727	0.03	0.03	0.14	736
2036	1.09	1.08	0.55	4.70	0.01	0.02	0.27	0.29	0.02	0.07	0.08	—	929	929	0.03	0.02	0.14	934
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2035	0.01	0.01	0.07	0.59	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	120	120	< 0.005	< 0.005	0.02	122
2036	0.20	0.20	0.10	0.86	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	154	154	0.01	< 0.005	0.02	155

3. Construction Emissions Details

3.1. Demolition (2035) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.25	0.21	1.93	3.51	0.01	0.05	—	0.05	0.05	—	0.05	—	607	607	0.02	< 0.005	—	610
Demolition	—	—	—	—	—	—	0.23	0.23	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.10	0.18	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	31.6	31.6	< 0.005	< 0.005	—	31.7
Demolition	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.24	5.24	< 0.005	< 0.005	—	5.25
Demolition	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.28	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	88.7	88.7	< 0.005	< 0.005	0.12	89.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	0.01	0.35	0.13	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04	—	332	332	0.01	0.05	0.34	348

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.45	4.45	< 0.005	< 0.005	< 0.005	4.46
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	17.3	17.3	< 0.005	< 0.005	0.01	18.1
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.74	0.74	< 0.005	< 0.005	< 0.005	0.74
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.86	2.86	< 0.005	< 0.005	< 0.005	3.00

3.2. Demolition (2035) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.06	0.30	3.88	0.01	0.01	—	0.01	0.01	—	0.01	—	607	607	0.02	< 0.005	—	610
Demolition	—	—	—	—	—	—	0.23	0.23	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	< 0.005	< 0.005	0.02	0.20	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	31.6	31.6	< 0.005	< 0.005	—	31.7
Demoliti on	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	< 0.005	< 0.005	< 0.005	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.24	5.24	< 0.005	< 0.005	—	5.25
Demoliti on	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.28	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	88.7	88.7	< 0.005	< 0.005	0.12	89.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	0.01	0.35	0.13	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04	—	332	332	0.01	0.05	0.34	348
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.45	4.45	< 0.005	< 0.005	< 0.005	4.46
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	17.3	17.3	< 0.005	< 0.005	0.01	18.1
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.74	0.74	< 0.005	< 0.005	< 0.005	0.74
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.86	2.86	< 0.005	< 0.005	< 0.005	3.00

3.3. Grading (2035) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.93	0.78	5.83	8.21	0.02	0.24	—	0.24	0.22	—	0.22	—	1,714	1,714	0.07	0.01	—	1,720
Dust From Material Movement	—	—	—	—	—	—	2.08	2.08	—	1.00	1.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.34	0.47	< 0.005	0.01	—	0.01	0.01	—	0.01	—	98.6	98.6	< 0.005	< 0.005	—	99.0
Dust From Material Movement	—	—	—	—	—	—	0.12	0.12	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.01	0.01	0.06	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.3	16.3	< 0.005	< 0.005	—	16.4
Dust From Material Movement	—	—	—	—	—	—	0.02	0.02	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.28	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	88.7	88.7	< 0.005	< 0.005	0.12	89.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.03	1.74	0.65	0.01	0.03	0.57	0.59	0.03	0.15	0.18	—	1,658	1,658	0.07	0.26	1.70	1,739
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.91	4.91	< 0.005	< 0.005	< 0.005	4.93
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.11	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	95.4	95.4	< 0.005	0.01	0.04	100.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.81	0.81	< 0.005	< 0.005	< 0.005	0.82
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	15.8	15.8	< 0.005	< 0.005	0.01	16.6

3.4. Grading (2035) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.16	0.84	9.79	0.02	0.03	—	0.03	0.03	—	0.03	—	1,714	1,714	0.07	0.01	—	1,720
Dust From Material Movement	—	—	—	—	—	—	2.08	2.08	—	1.00	1.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.56	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	98.6	98.6	< 0.005	< 0.005	—	99.0
Dust From Material Movement	—	—	—	—	—	—	0.12	0.12	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.3	16.3	< 0.005	< 0.005	—	16.4
Dust From Material Movement	—	—	—	—	—	—	0.02	0.02	—	0.01	0.01	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.28	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	88.7	88.7	< 0.005	< 0.005	0.12	89.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.03	1.74	0.65	0.01	0.03	0.57	0.59	0.03	0.15	0.18	—	1,658	1,658	0.07	0.26	1.70	1,739
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.91	4.91	< 0.005	< 0.005	< 0.005	4.93
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.11	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	95.4	95.4	< 0.005	0.01	0.04	100.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.81	0.81	< 0.005	< 0.005	< 0.005	0.82
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	15.8	15.8	< 0.005	< 0.005	0.01	16.6

3.5. Building Construction (2035) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.46	0.39	3.41	6.78	0.01	0.09	—	0.09	0.08	—	0.08	—	1,304	1,304	0.05	0.01	—	1,309
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.39	3.41	6.78	0.01	0.09	—	0.09	0.08	—	0.08	—	1,304	1,304	0.05	0.01	—	1,309
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.86	1.70	< 0.005	0.02	—	0.02	0.02	—	0.02	—	327	327	0.01	< 0.005	—	328
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.16	0.31	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	54.1	54.1	< 0.005	< 0.005	—	54.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.09	0.07	1.47	0.00	0.00	0.52	0.52	0.00	0.12	0.12	—	469	469	< 0.005	< 0.005	0.61	470
Vendor	0.01	< 0.005	0.14	0.07	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	140	140	< 0.005	0.02	0.14	146

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.09	0.08	1.25	0.00	0.00	0.52	0.52	0.00	0.12	0.12	—	444	444	< 0.005	< 0.005	0.02	445
Vendor	0.01	< 0.005	0.14	0.07	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	140	140	< 0.005	0.02	< 0.005	146
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.33	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	113	113	< 0.005	< 0.005	0.07	113
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	35.0	35.0	< 0.005	0.01	0.02	36.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	18.7	18.7	< 0.005	< 0.005	0.01	18.7
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.80	5.80	< 0.005	< 0.005	< 0.005	6.06
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Building Construction (2035) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.12	0.64	8.10	0.01	0.02	—	0.02	0.02	—	0.02	—	1,304	1,304	0.05	0.01	—	1,309
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.12	0.64	8.10	0.01	0.02	—	0.02	0.02	—	0.02	—	1,304	1,304	0.05	0.01	—	1,309
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.16	2.03	< 0.005	0.01	—	0.01	0.01	—	0.01	—	327	327	0.01	< 0.005	—	328
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.03	0.37	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	54.1	54.1	< 0.005	< 0.005	—	54.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.09	0.07	1.47	0.00	0.00	0.52	0.52	0.00	0.12	0.12	—	469	469	< 0.005	< 0.005	0.61	470
Vendor	0.01	< 0.005	0.14	0.07	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	140	140	< 0.005	0.02	0.14	146
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.09	0.08	1.25	0.00	0.00	0.52	0.52	0.00	0.12	0.12	—	444	444	< 0.005	< 0.005	0.02	445

Vendor	0.01	< 0.005	0.14	0.07	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	140	140	< 0.005	0.02	< 0.005	146
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.33	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	113	113	< 0.005	< 0.005	0.07	113
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	35.0	35.0	< 0.005	0.01	0.02	36.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	18.7	18.7	< 0.005	< 0.005	0.01	18.7
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.80	5.80	< 0.005	< 0.005	< 0.005	6.06
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	0.38	3.29	6.73	0.01	0.08	—	0.08	0.07	—	0.07	—	1,304	1,304	0.05	0.01	—	1,309
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	0.38	3.29	6.73	0.01	0.08	—	0.08	0.07	—	0.07	—	1,304	1,304	0.05	0.01	—	1,309

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.17	1.49	3.06	0.01	0.04	—	0.04	0.03	—	0.03	—	592	592	0.02	< 0.005	—	594
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.27	0.56	< 0.005	0.01	—	0.01	0.01	—	0.01	—	98.0	98.0	< 0.005	< 0.005	—	98.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.09	0.06	1.40	0.00	0.00	0.52	0.52	0.00	0.12	0.12	—	464	464	< 0.005	< 0.005	0.53	466
Vendor	0.01	< 0.005	0.13	0.07	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	135	135	< 0.005	0.02	0.12	141
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.09	0.07	1.19	0.00	0.00	0.52	0.52	0.00	0.12	0.12	—	441	441	< 0.005	< 0.005	0.01	441
Vendor	0.01	< 0.005	0.14	0.07	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	135	135	< 0.005	0.02	< 0.005	141
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.57	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	203	203	< 0.005	< 0.005	0.10	203
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	61.4	61.4	< 0.005	0.01	0.02	64.1

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	33.6	33.6	< 0.005	< 0.005	0.02	33.7
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.2	10.2	< 0.005	< 0.005	< 0.005	10.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.12	0.64	8.10	0.01	0.02	—	0.02	0.02	—	0.02	—	1,304	1,304	0.05	0.01	—	1,309
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.12	0.64	8.10	0.01	0.02	—	0.02	0.02	—	0.02	—	1,304	1,304	0.05	0.01	—	1,309
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.06	0.29	3.68	0.01	0.01	—	0.01	0.01	—	0.01	—	592	592	0.02	< 0.005	—	594

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.67	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	98.0	98.0	< 0.005	< 0.005	—	98.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.09	0.06	1.40	0.00	0.00	0.52	0.52	0.00	0.12	0.12	—	464	464	< 0.005	< 0.005	0.53	466
Vendor	0.01	< 0.005	0.13	0.07	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	135	135	< 0.005	0.02	0.12	141
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.09	0.07	1.19	0.00	0.00	0.52	0.52	0.00	0.12	0.12	—	441	441	< 0.005	< 0.005	0.01	441
Vendor	0.01	< 0.005	0.14	0.07	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	135	135	< 0.005	0.02	< 0.005	141
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.57	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	203	203	< 0.005	< 0.005	0.10	203
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	61.4	61.4	< 0.005	0.01	0.02	64.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	33.6	33.6	< 0.005	< 0.005	0.02	33.7
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.2	10.2	< 0.005	< 0.005	< 0.005	10.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.47	0.39	3.61	5.25	0.01	0.10	—	0.10	0.09	—	0.09	—	823	823	0.03	0.01	—	826
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.47	0.39	3.61	5.25	0.01	0.10	—	0.10	0.09	—	0.09	—	823	823	0.03	0.01	—	826
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.21	0.30	< 0.005	0.01	—	0.01	0.01	—	0.01	—	47.3	47.3	< 0.005	< 0.005	—	47.5
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	< 0.005	< 0.005	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.84	7.84	< 0.005	< 0.005	—	7.86
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.62	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	205	205	< 0.005	< 0.005	0.23	206
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.53	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	195	195	< 0.005	< 0.005	0.01	195
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.4	11.4	< 0.005	< 0.005	0.01	11.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.88	1.88	< 0.005	< 0.005	< 0.005	1.89
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Paving (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	0.23	2.08	5.55	0.01	0.06	—	0.06	0.06	—	0.06	—	823	823	0.03	0.01	—	826
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	0.23	2.08	5.55	0.01	0.06	—	0.06	0.06	—	0.06	—	823	823	0.03	0.01	—	826
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.12	0.32	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	47.3	47.3	< 0.005	< 0.005	—	47.5
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.84	7.84	< 0.005	< 0.005	—	7.86
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.62	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	205	205	< 0.005	< 0.005	0.23	206
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.53	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	195	195	< 0.005	< 0.005	0.01	195
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.4	11.4	< 0.005	< 0.005	0.01	11.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.88	1.88	< 0.005	< 0.005	< 0.005	1.89
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Architectural Coating (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.75	1.10	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	16.1	16.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.05	8.05	< 0.005	< 0.005	—	8.08
Architectural Coatings	0.97	0.97	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.33	1.33	< 0.005	< 0.005	—	1.34
Architectural Coatings	0.18	0.18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.28	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	92.9	92.9	< 0.005	< 0.005	0.11	93.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.39	5.39	< 0.005	< 0.005	< 0.005	5.40
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.89	0.89	< 0.005	< 0.005	< 0.005	0.89
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Architectural Coating (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	16.1	16.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.05	8.05	< 0.005	< 0.005	—	8.08
Architectural Coatings	0.97	0.97	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.33	1.33	< 0.005	< 0.005	—	1.34
Architectural Coatings	0.18	0.18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.28	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	92.9	92.9	< 0.005	< 0.005	0.11	93.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.39	5.39	< 0.005	< 0.005	< 0.005	5.40
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.89	0.89	< 0.005	< 0.005	< 0.005	0.89
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	7/1/2035	7/26/2035	5.00	19.0	—
Grading	Grading	7/27/2035	8/25/2035	5.00	21.0	—
Building Construction	Building Construction	8/26/2035	8/19/2036	5.00	257	—
Paving	Paving	9/19/2036	10/18/2036	5.00	21.0	—
Architectural Coating	Architectural Coating	8/20/2036	9/18/2036	5.00	22.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	2.00	6.00	84.0	0.37
Demolition	Rubber Tired Dozers	Diesel	Average	1.00	1.00	367	0.40
Grading	Graders	Diesel	Average	1.00	6.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	6.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	1.00	4.00	367	0.29
Building Construction	Forklifts	Diesel	Average	2.00	6.00	82.0	0.20
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37

Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Paving	Cement and Mortar Mixers	Diesel	Average	4.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Average	1.00	7.00	81.0	0.42
Paving	Rollers	Diesel	Average	1.00	7.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	6.00	84.0	0.37
Demolition	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	1.00	367	0.40
Grading	Graders	Diesel	Tier 4 Final	1.00	6.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	6.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	7.00	84.0	0.37
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	4.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	2.00	6.00	82.0	0.20
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Paving	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	7.00	84.0	0.37
Paving	Cement and Mortar Mixers	Diesel	Average	4.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Tier 4 Final	1.00	7.00	81.0	0.42
Paving	Rollers	Diesel	Tier 4 Final	1.00	7.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	7.50	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	4.00	30.5	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	7.50	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	20.0	30.5	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	39.6	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	5.88	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	17.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	7.92	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	7.50	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	4.00	30.5	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	7.50	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	20.0	30.5	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	39.6	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	5.88	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	17.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	7.92	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	110,869	36,957	939	105	1,251

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	320	—
Grading	—	4,730	15.8	0.00	—
Paving	0.00	0.00	0.00	0.00	0.07

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Mid Rise	0.00	0%
Other Non-Asphalt Surfaces	0.07	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2035	0.00	532	0.03	< 0.005
2036	0.00	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	6.58	annual days of extreme heat
Extreme Precipitation	4.40	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A

Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	32.1
AQ-PM	84.1
AQ-DPM	81.1
Drinking Water	50.7
Lead Risk Housing	93.2
Pesticides	0.00
Toxic Releases	97.9
Traffic	88.7
Effect Indicators	—
CleanUp Sites	43.2
Groundwater	65.3
Haz Waste Facilities/Generators	92.3
Impaired Water Bodies	66.7
Solid Waste	39.0
Sensitive Population	—
Asthma	96.0
Cardio-vascular	97.1
Low Birth Weights	87.6
Socioeconomic Factor Indicators	—
Education	91.3
Housing	68.5
Linguistic	74.8
Poverty	92.6
Unemployment	94.3

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	6.865135378
Employed	7.583728988
Median HI	20.41575773
Education	—
Bachelor's or higher	18.24714487
High school enrollment	100
Preschool enrollment	23.40562043
Transportation	—
Auto Access	19.3763634
Active commuting	78.62184011
Social	—
2-parent households	6.262030027
Voting	28.26895932
Neighborhood	—
Alcohol availability	17.00243809
Park access	81.35506224
Retail density	48.58206082
Supermarket access	75.02887206
Tree canopy	58.18041832
Housing	—
Homeownership	27.34505325
Housing habitability	10.48376748
Low-inc homeowner severe housing cost burden	18.96573848
Low-inc renter severe housing cost burden	20.28743744

Uncrowded housing	13.93558322
Health Outcomes	—
Insured adults	15.88605158
Arthritis	0.0
Asthma ER Admissions	11.0
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	6.0
Cognitively Disabled	28.0
Physically Disabled	18.0
Heart Attack ER Admissions	25.5
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	96.4
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0

Children	3.5
Elderly	97.2
English Speaking	31.4
Foreign-born	52.8
Outdoor Workers	74.3
Climate Change Adaptive Capacity	—
Impervious Surface Cover	32.8
Traffic Density	95.7
Traffic Access	87.4
Other Indices	—
Hardship	86.8
Other Decision Support	—
2016 Voting	9.5

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	99.0
Healthy Places Index Score for Project Location (b)	10.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	See project assumptions
Construction: Construction Phases	See project assumptions
Construction: Trips and VMT	See project assumptions
Construction: Paving	See project assumptions
Construction: Architectural Coatings	See construction assumptions.
Construction: Off-Road Equipment	see assumptions sheet

A.1-3 Construction Health Risk Assessment

CMWC Construction Health Risk Assessment - Unmitigated

Construction Modeling Assumptions

AERMOD Sources

Polygon Area Source		
Offroad Construction Exhaust		
Release Height	5	m
Emissions rate	1	g/s
Init Vert Dimension	1.40	m
SCAQMD LST Guidance, 2008		
Onroad Hauling Exhaust		
Plume Height	5.1	m
Plume Width	10.5	m
Emission Rate	1	g/s
Release Height	2.55	m
Source:		
USEPA Haul Road Workgroup Final Report Dec 6, 2011, Page 4		

Met Data

Hawthorne Airport

CMWC Construction Health Risk Assessment - Unmitigated

Mitigated Health Risk Assessment Exposure Duration Assumptions for Offroad Equipment and Haul Activities (Residential Receptors)

Phase						*Start Date*	*11/1/2027*	*1/31/2028*	*1/31/2030*	
						End Date	*1/30/2028*	*1/30/2030*	*1/28/2044*	
						Days	*90*	*730*	*5110*	
	Phase		Start Date	End Date	Hrs/Day	Duration (days)	3rd Tri	0<2	2<16	
P0	Demolition	2025	6/1/2025	7/31/2025	9	61	0	0	0	Demoltion and Clearance
P0	Site Prep	2025	8/1/2025	8/30/2025	9	30	0	0	0	
P1	Demolition	2025	6/1/2025	6/30/2025	9	30	0	0	0	Athletic Field U5
P1	Grading	2025	7/1/2025	8/30/2025	9	61	0	0	0	
P1	Building Construction	2025	8/31/2025	12/31/2025	9	123	0	0	0	
P1	Building Construction	2026	1/1/2026	1/27/2026	9	27	0	0	0	
P1	Architectural Coating	2026	1/28/2026	2/23/2026	9	27	0	0	0	
P1	Paving	2026	2/24/2026	3/25/2026	9	30	0	0	0	
P4	Demolition	2028	3/1/2028	3/28/2028	9	28	0	28	0	Office Building U7
P4	Grading	2028	3/29/2028	5/27/2028	9	60	0	60	0	
P4	Building Construction	2028	5/28/2028	12/31/2028	9	218	0	218	0	
P4	Building Construction	2029	1/1/2029	9/19/2029	9	262	0	262	0	
P4	Building Construction				9	1	0	0	0	
P4	Architectural Coating	2029	9/20/2029	11/18/2029	9	60	0	60	0	
P4	Paving	2029	11/19/2029	12/31/2029	9	43	0	43	0	
P4	Paving	2030	1/1/2030	1/17/2030	9	17	0	17	0	
P2	Demolition	2026	4/1/2026	4/30/2026	9	30	0	0	0	Affordable Housing A1
P2	Grading	2026	5/1/2026	6/30/2026	9	61	0	0	0	
P2	Building Construction	2026	7/1/2026	12/31/2026	9	184	0	0	0	
P2	Building Construction	2027	1/1/2027	10/23/2027	9	296	0	0	0	
P2	Architectural Coating	2027	10/24/2027	12/22/2027	9	60	52	0	0	
P2	Paving	2027	12/23/2027	12/31/2027	9	9	9	0	0	
P2	Paving	2028	1/1/2028	2/20/2028	9	51	30	21	0	
P3	Demolition	2026	4/1/2026	4/30/2026	9	30	0	0	0	Affordable Housing A2
P3	Grading	2026	5/1/2026	6/30/2026	9	61	0	0	0	
P3	Building Construction	2026	7/1/2026	12/31/2026	9	184	0	0	0	
P3	Building Construction	2027	1/1/2027	10/23/2027	9	296	0	0	0	
P3	Architectural Coating	2027	10/24/2027	12/22/2027	9	60	52	0	0	
P3	Paving	2027	12/23/2027	12/31/2027	9	9	9	0	0	
P3	Paving	2028	1/1/2028	2/20/2028	9	51	30	21	0	
P9	Demolition	2032	1/1/2032	1/28/2032	9	28	0	0	28	Student Housing U1
P9	Grading	2032	1/29/2032	2/27/2032	9	30	0	0	30	
P9	Building Construction	2032	2/28/2032	12/31/2032	9	308	0	0	308	
P9	Building Construction	2033	1/1/2033	2/21/2033	9	52	0	0	52	
P9	Building Construction				9	1	0	0	0	
P9	Architectural Coating	2033	2/22/2033	3/23/2033	9	30	0	0	30	
P9	Paving	2033	3/24/2033	4/22/2033	9	30	0	0	30	
P8	Demolition	2032	1/1/2032	1/28/2032	9	28	0	0	28	Parking Structure U8
P8	Grading	2032	1/29/2032	3/28/2032	9	60	0	0	60	
P8	Building Construction	2032	3/29/2032	12/31/2032	9	278	0	0	278	
P8	Building Construction	2033	1/1/2033	1/22/2033	9	22	0	0	22	
P8	Architectural Coating	2033	1/23/2033	3/23/2033	9	60	0	0	60	
P8	Paving	2033	3/24/2033	4/22/2033	9	30	0	0	30	
P6	Demolition	2030	2/1/2030	3/3/2030	9	31	0	0	31	Affordable Housing A3
P6	Grading	2030	3/4/2030	5/2/2030	9	60	0	0	60	
P6	Building Construction	2030	5/3/2030	12/31/2030	9	243	0	0	243	
P6	Building Construction	2031	1/1/2031	8/25/2031	9	237	0	0	237	
P6	Building Construction				9	1	0	0	0	
P6	Architectural Coating	2031	8/26/2031	10/24/2031	9	60	0	0	60	
P6	Paving	2031	10/25/2031	12/23/2031	9	60	0	0	60	
P7	Demolition	2030	2/1/2030	3/3/2030	9	31	0	0	31	Affordable Housing A4
P7	Grading	2030	3/4/2030	5/2/2030	9	60	0	0	60	
P7	Building Construction	2030	5/3/2030	12/31/2030	9	243	0	0	243	
P7	Building Construction	2031	1/1/2031	8/25/2031	9	237	0	0	237	
P7	Building Construction				9	1	0	0	0	
P7	Architectural Coating	2031	8/26/2031	10/24/2031	9	60	0	0	60	
P7	Paving	2031	10/25/2031	12/23/2031	9	60	0	0	60	
P5	Demolition	2028	3/1/2028	3/28/2028	9	28	0	28	0	Student Housing U2
P5	Grading	2028	3/29/2028	4/27/2028	9	30	0	30	0	
P5	Building Construction	2028	4/28/2028	12/31/2028	9	248	0	248	0	
P5	Building Construction	2029	1/1/2029	4/22/2029	9	112	0	112	0	
P5	Building Construction				9	1	0	0	0	
P5	Architectural Coating	2029	4/23/2029	5/22/2029	9	30	0	30	0	
P5	Paving	2029	5/23/2029	6/21/2029	9	30	0	30	0	
P10	Demolition	2033	8/1/2033	8/26/2033	9	26	0	0	26	Athletics Building U6
P10	Grading	2033	8/27/2033	9/25/2033	9	30	0	0	30	
P10	Grading				9	1	0	0	0	
P10	Building Construction	2033	9/26/2033	12/31/2033	9	97	0	0	97	
P10	Building Construction	2034	1/1/2034	9/20/2034	9	263	0	0	263	
P10	Architectural Coating	2034	9/21/2034	10/20/2034	9	30	0	0	30	
P10	Paving	2034	10/21/2034	11/19/2034	9	30	0	0	30	
P11	Demolition	2033	8/1/2033	8/31/2033	9	31	0	0	31	Senior Affordable Housing A
P11	Grading	2033	9/1/2033	10/30/2033	9	60	0	0	60	
P11	Building Construction	2033	10/31/2033	12/31/2033	9	62	0	0	62	
P11	Building Construction	2034	1/1/2034	12/31/2034	9	365	0	0	365	
P11	Building Construction	2035	1/1/2035	2/22/2035	9	53	0	0	53	
P11	Architectural Coating	2035	2/23/2035	4/23/2035	9	60	0	0	60	
P11	Paving	2035	4/24/2035	6/22/2035	9	60	0	0	60	
P12	Demolition	2035	7/1/2035	7/26/2035	9	26	0	0	26	Student Housing U3
P12	Grading	2035	7/27/2035	8/25/2035	9	30	0	0	30	
P12	Building Construction	2035	8/26/2035	12/31/2035	9	128	0	0	128	
P12	Building Construction	2036	1/1/2036	8/19/2036	9	232	0	0	232	
P12	Building Construction				9	1	0	0	0	
P12	Architectural Coating	2036	8/20/2036	9/18/2036	9	30	0	0	30	
P12	Paving	2036	9/19/2036	10/18/2036	9	30	0	0	30	
P13	Demolition	2035	7/1/2035	7/26/2035	9	26	0	0	26	Workforce Housing Building
P13	Grading	2035	7/27/2035	8/25/2035	9	30	0	0	30	
P13	Building Construction	2035	8/26/2035	12/31/2035	9	128	0	0	128	
P13	Building Construction	2036	1/1/2036	8/19/2036	9	232	0	0	232	
P13	Building Construction				9	1	0	0	0	
P13	Architectural Coating	2036	8/20/2036	9/18/2036	9	30	0	0	30	
P13	Paving	2036	9/19/2036	10/18/2036	9	30	0	0	30	

Risk Factors

	Abbreviation	UOM	3rd Trimester	0<2	2<16	16<30
Daily Breathing Rate (95th %'ile)	DBR	L/kg-day	361	1090	572	261
Fraction Of Time At Home [a]	FAH	unitless	1	1	1	0.73
Exposure Frequency	EF	days/year	0.96	0.96	0.96	0.96
Age Sensitivity Factor	ASF	unitless	10	10	3	1
Inhalation Absorption Factor	A	unitless	1	1	1	1
Conversion Factor	CF_1	m^3/L	0.001	0.001	0.001	0.001
Conversion Factor	CF_2	$\mu g/m^3$	0.001	0.001	0.001	0.001
Cancer Potency Factor (diesel exhaust)	CPF	$mg/kg\text{-}day^{-1}$	1.1	1.1	1.1	1.1
Averaging Time (for residential exposure)	AT	years	70.00	70.00	70.00	70.00

[a] assume school or daycare will have cancer risk of >1 per million

Intake Factor for Inhalation, IF (m^3/kg-day)

	Phase	Year	Equation	3rd Trimester	0<2	2<16
P0	Demolition	2025		0.00E+00	0.00E+00	0.00E+00
P0	Site Prep	2025	$\frac{DBR \cdot FAH \cdot EF \cdot ED \cdot ASF \cdot A \cdot CF_1}{AT}$	0.00E+00	0.00E+00	0.00E+00
P1	Demolition	2025		0.00E+00	0.00E+00	0.00E+00
P1	Grading	2025		0.00E+00	0.00E+00	0.00E+00
P1	Building Construction	2025		0.00E+00	0.00E+00	0.00E+00
P1	Building Construction	2026		0.00E+00	0.00E+00	0.00E+00
P1	Architectural Coating	2026		0.00E+00	0.00E+00	0.00E+00
P1	Paving	2026		0.00E+00	0.00E+00	0.00E+00
P4	Demolition	2028		0.00E+00	1.15E-02	0.00E+00
P4	Grading	2028		0.00E+00	2.45E-02	0.00E+00
P4	Building Construction	2028		0.00E+00	8.92E-02	0.00E+00
P4	Building Construction	2029	$\frac{DBR \cdot FAH \cdot EF \cdot ED \cdot ASF \cdot A \cdot CF_1}{AT}$	0.00E+00	1.07E-01	0.00E+00
P4	Building Construction	0		0.00E+00	0.00E+00	0.00E+00
P4	Architectural Coating	2029		0.00E+00	2.45E-02	0.00E+00
P4	Paving	2029		0.00E+00	1.76E-02	0.00E+00
P4	Paving	2030		0.00E+00	6.95E-03	0.00E+00
P2	Demolition	2026		0.00E+00	0.00E+00	0.00E+00
P2	Grading	2026		0.00E+00	0.00E+00	0.00E+00
P2	Building Construction	2026		0.00E+00	0.00E+00	0.00E+00
P2	Building Construction	2027		0.00E+00	0.00E+00	0.00E+00
P2	Architectural Coating	2027		7.05E-03	0.00E+00	0.00E+00
P2	Paving	2027	$\frac{DBR \cdot FAH \cdot EF \cdot ED \cdot ASF \cdot A \cdot CF_1}{AT}$	1.22E-03	0.00E+00	0.00E+00
P2	Paving	2028		4.06E-03	8.59E-03	0.00E+00
P3	Demolition	2026		0.00E+00	0.00E+00	0.00E+00
P3	Grading	2026		0.00E+00	0.00E+00	0.00E+00
P3	Building Construction	2026		0.00E+00	0.00E+00	0.00E+00
P3	Building Construction	2027		0.00E+00	0.00E+00	0.00E+00
P3	Architectural Coating	2027		7.05E-03	0.00E+00	0.00E+00
P3	Paving	2027		1.22E-03	0.00E+00	0.00E+00
P3	Paving	2028		4.06E-03	8.59E-03	0.00E+00
P9	Demolition	2032		0.00E+00	0.00E+00	1.81E-03
P9	Grading	2032		0.00E+00	0.00E+00	1.93E-03
P9	Building Construction	2032	$\frac{DBR \cdot FAH \cdot EF \cdot ED \cdot ASF \cdot A \cdot CF_1}{AT}$	0.00E+00	0.00E+00	1.99E-02
P9	Building Construction	2033		0.00E+00	0.00E+00	3.35E-03
P9	Building Construction	0		0.00E+00	0.00E+00	0.00E+00
P9	Architectural Coating	2033		0.00E+00	0.00E+00	1.93E-03
P9	Paving	2033		0.00E+00	0.00E+00	1.93E-03
P8	Demolition	2032		0.00E+00	0.00E+00	1.81E-03
P8	Grading	2032		0.00E+00	0.00E+00	3.87E-03
P8	Building Construction	2032		0.00E+00	0.00E+00	1.79E-02
P8	Building Construction	2033	$\frac{DBR \cdot FAH \cdot EF \cdot ED \cdot ASF \cdot A \cdot CF_1}{AT}$	0.00E+00	0.00E+00	1.42E-03
P8	Architectural Coating	2033		0.00E+00	0.00E+00	3.87E-03
P8	Paving	2033		0.00E+00	0.00E+00	1.93E-03
P6	Demolition	2030		0.00E+00	0.00E+00	2.00E-03
P6	Grading	2030		0.00E+00	0.00E+00	3.87E-03
P6	Building Construction	2030		0.00E+00	0.00E+00	1.57E-02
P6	Building Construction	2031		0.00E+00	0.00E+00	1.53E-02
P6	Building Construction	0		0.00E+00	0.00E+00	0.00E+00
P6	Architectural Coating	2031	$\frac{DBR \cdot FAH \cdot EF \cdot ED \cdot ASF \cdot A \cdot CF_1}{AT}$	0.00E+00	0.00E+00	3.87E-03
P6	Paving	2031		0.00E+00	0.00E+00	3.87E-03
P7	Demolition	2030		0.00E+00	0.00E+00	2.00E-03
P7	Grading	2030		0.00E+00	0.00E+00	3.87E-03
P7	Building Construction	2030		0.00E+00	0.00E+00	1.57E-02
P7	Building Construction	2031		0.00E+00	0.00E+00	1.53E-02
P7	Building Construction	0		0.00E+00	0.00E+00	0.00E+00
P7	Architectural Coating	2031		0.00E+00	0.00E+00	3.87E-03
P7	Paving	2031		0.00E+00	0.00E+00	3.87E-03
P5	Demolition	2028	$\frac{DBR \cdot FAH \cdot EF \cdot ED \cdot ASF \cdot A \cdot CF_1}{AT}$	0.00E+00	1.15E-02	0.00E+00
P5	Grading	2028		0.00E+00	1.23E-02	0.00E+00
P5	Building Construction	2028		0.00E+00	1.01E-01	0.00E+00
P5	Building Construction	2029		0.00E+00	4.58E-02	0.00E+00
P5	Building Construction	0		0.00E+00	0.00E+00	0.00E+00
P5	Architectural Coating	2029		0.00E+00	1.23E-02	0.00E+00
P5	Paving	2029		0.00E+00	1.23E-02	0.00E+00
P10	Demolition	2033		0.00E+00	0.00E+00	1.68E-03
P10	Grading	2033		0.00E+00	0.00E+00	1.93E-03
P10	Grading	0		0.00E+00	0.00E+00	0.00E+00
P10	Building Construction	2033		0.00E+00	0.00E+00	6.25E-03
P10	Building Construction	2034		0.00E+00	0.00E+00	1.70E-02
P10	Architectural Coating	2034		0.00E+00	0.00E+00	1.93E-03
P10	Paving	2034		0.00E+00	0.00E+00	1.93E-03
P11	Demolition	2033		0.00E+00	0.00E+00	2.00E-03
P11	Grading	2033	$\frac{DBR \cdot FAH \cdot EF \cdot ED \cdot ASF \cdot A \cdot CF_1}{AT}$	0.00E+00	0.00E+00	3.87E-03
P11	Building Construction	2033		0.00E+00	0.00E+00	4.00E-03
P11	Building Construction	2034		0.00E+00	0.00E+00	2.35E-02
P11	Building Construction	2035		0.00E+00	0.00E+00	3.42E-03
P11	Architectural Coating	2035		0.00E+00	0.00E+00	3.87E-03
P11	Paving	2035		0.00E+00	0.00E+00	3.87E-03
P12	Demolition	2035		0.00E+00	0.00E+00	1.68E-03
P12	Grading	2035		0.00E+00	0.00E+00	1.93E-03
P12	Building Construction	2035		0.00E+00	0.00E+00	8.25E-03
P12	Building Construction	2036		0.00E+00	0.00E+00	1.50E-02
P12	Building Construction	0		0.00E+00	0.00E+00	0.00E+00
P12	Architectural Coating	2036		0.00E+00	0.00E+00	1.93E-03
P12	Paving	2036		0.00E+00	0.00E+00	1.93E-03
P13	Demolition	2035		0.00E+00	0.00E+00	1.68E-03
P13	Grading	2035		0.00E+00	0.00E+00	1.93E-03
P13	Building Construction	2035		0.00E+00	0.00E+00	8.25E-03
P13	Building Construction	2036		0.00E+00	0.00E+00	1.50E-02
P13	Building Construction	0		0.00E+00	0.00E+00	0.00E+00
P13	Architectural Coating	2036		0.00E+00	0.00E+00	1.93E-03
P13	Paving	2036		0.00E+00	0.00E+00	1.93E-03

Risk Calculation Part 1, R1

Equation	3rd Trimester	0<2	2<16
	0.00E+00	0.00E+00	0.00E+00
$IF \cdot CPF \cdot CF_2$	0.00E+00	0.00E+00	0.00E+00
	0.00E+00	0.00E+00	0.00E+00
	0.00E+00	0.00E+00	0.00E+00
	0.00E+00	0.00E+00	0.00E+00
	0.00E+00	0.00E+00	0.00E+00
	0.00E+00	0.00E+00	0.00E+00
	0.00E+00	0.00E+00	0.00E+00
	0.00E+00	1.26E-05	0.00E+00
	0.00E+00	2.70E-05	0.00E+00
	0.00E+00	9.81E-05	0.00E+00
$\boldsymbol{IF \cdot CPF \cdot CF_2}$	0.00E+00	1.18E-04	0.00E+00
	0.00E+00	0.00E+00	0.00E+00
	0.00E+00	2.70E-05	0.00E+00
	0.00E+00	1.93E-05	0.00E+00
	0.00E+00	7.65E-06	0.00E+00
	0.00E+00	0.00E+00	0.00E+00
	0.00E+00	0.00E+00	0.00E+00
	0.00E+00	0.00E+00	0.00E+00
	0.00E+00	0.00E+00	0.00E+00
	7.75E-06	0.00E+00	0.00E+00
$\boldsymbol{IF \cdot CPF \cdot CF_2}$	1.34E-06	0.00E+00	0.00E+00
	4.47E-06	9.45E-06	0.00E+00
	0.00E+00	0.00E+00	0.00E+00
	0.00E+00	0.00E+00	0.00E+00
	0.00E+00	0.00E+00	0.00E+00
	0.00E+00	0.00E+00	0.00E+00
	7.75E-06	0.00E+00	0.00E+00
	1.34E-06	0.00E+00	0.00E+00
	4.47E-06	9.45E-06	0.00E+00
	0.00E+00	0.00E+00	1.99E-06
	0.00E+00	0.00E+00	2.13E-06
$\boldsymbol{IF \cdot CPF \cdot CF_2}$	0.00E+00	0.00E+00	2.18E-05
	0.00E+00	0.00E+00	3.69E-06
	0.00E+00	0.00E+00	0.00E+00
	0.00E+00	0.00E+00	2.13E-06
	0.00E+00	0.00E+00	2.13E-06
	0.00E+00	0.00E+00	1.99E-06
	0.00E+00	0.00E+00	4.26E-06
	0.00E+00	0.00E+00	1.97E-05
$\boldsymbol{IF \cdot CPF \cdot CF_2}$	0.00E+00	0.00E+00	1.56E-06
	0.00E+00	0.00E+00	4.26E-06
	0.00E+00	0.00E+00	2.13E-06
	0.00E+00	0.00E+00	2.20E-06
	0.00E+00	0.00E+00	4.26E-06
	0.00E+00	0.00E+00	1.72E-05
	0.00E+00	0.00E+00	1.68E-05
	0.00E+00	0.00E+00	0.00E+00
	0.00E+00	0.00E+00	4.26E-06
$IF \cdot CPF \cdot CF_2$	0.00E+00	0.00E+00	4.26E-06
	0.00E+00	0.00E+00	4.26E-06
	0.00E+00	0.00E+00	2.20E-06
	0.00E+00	0.00E+00	4.26E-06
	0.00E+00	0.00E+00	1.72E-05
	0.00E+00	0.00E+00	1.68E-05
	0.00E+00	0.00E+00	0.00E+00
	0.00E+00	0.00E+00	4.26E-06
	0.00E+00	0.00E+00	4.26E-06
$IF \cdot CPF \cdot CF_2$	0.00E+00	1.26E-05	0.00E+00
	0.00E+00	1.35E-05	0.00E+00
	0.00E+00	1.12E-04	0.00E+00
	0.00E+00	5.04E-05	0.00E+00
	0.00E+00	0.00E+00	0.00E+00
	0.00E+00	1.35E-05	0.00E+00
	0.00E+00	1.35E-05	0.00E+00
	0.00E+00	0.00E+00	1.84E-06
	0.00E+00	0.00E+00	2.13E-06
	0.00E+00	0.00E+00	0.00E+00
	0.00E+00	0.00E+00	6.88E-06
	0.00E+00	0.00E+00	1.87E-05
	0.00E+00	0.00E+00	2.13E-06
	0.00E+00	0.00E+00	2.13E-06
	0.00E+00	0.00E+00	2.20E-06
$IF \cdot CPF \cdot CF_2$	0.00E+00	0.00E+00	4.26E-06
	0.00E+00	0.00E+00	4.40E-06
	0.00E+00	0.00E+00	2.59E-05
	0.00E+00	0.00E+00	3.76E-06
	0.00E+00	0.00E+00	4.26E-06
	0.00E+00	0.00E+00	4.26E-06
	0.00E+00	0.00E+00	1.84E-06
	0.00E+00	0.00E+00	2.13E-06
	0.00E+00	0.00E+00	9.08E-06
	0.00E+00	0.00E+00	1.65E-05
	0.00E+00	0.00E+00	0.00E+00
	0.00E+00	0.00E+00	2.13E-06
	0.00E+00	0.00E+00	2.13E-06
	0.00E+00	0.00E+00	1.84E-06
	0.00E+00	0.00E+00	2.13E-06
	0.00E+00	0.00E+00	9.08E-06
	0.00E+00	0.00E+00	1.65E-05
	0.00E+00	0.00E+00	0.00E+00
	0.00E+00	0.00E+00	2.13E-06
	0.00E+00	0.00E+00	2.13E-06

CMWC Construction Health Risk Assessment - Unmitigated

Offroad DPM Emissions, Ground Level Concentrations and Health Risk Calculations

Sensitive Receptor

Component	Component-Phase	Phase		Start Date	End Date	Work Days	Emissions (lbs/day)	Emissions (lbs/yr)	Emissions (g/s)
P0	P0Demolition	Demolition	2025	6/1/2025	7/31/2025	52	0.063	3.290	8.86E-04
P0	P0Site Prep	Site Prep	2025	8/1/2025	8/30/2025	26	0.031	0.817	4.40E-04
P1	P1Demolition	Demolition	2025	6/1/2025	6/30/2025	25	0.037	0.921	5.16E-04
P1	P1Grading	Grading	2025	7/1/2025	8/30/2025	53	0.046	2.448	6.47E-04
P1	P1Building Construction	Building Construction	2025	8/31/2025	12/31/2025	105	0.071	7.476	9.97E-04
P1	P1Building Construction	Building Construction	2026	1/1/2026	1/27/2026	23	0.071	1.626	9.90E-04
P1	P1Architectural Coating	Architectural Coating	2026	1/28/2026	2/23/2026	23	0.002	0.054	3.29E-05
P1	P1Paving	Paving	2026	2/24/2026	3/25/2026	26	0.038	0.990	5.33E-04
P4	P4Demolition	Demolition	2028	3/1/2028	3/28/2028	24	0.037	0.885	5.16E-04
P4	P4Grading	Grading	2028	3/29/2028	5/27/2028	52	0.046	2.402	6.47E-04
P4	P4Building Construction	Building Construction	2028	5/28/2028	12/31/2028	186	0.051	9.548	7.19E-04
P4	P4Building Construction	Building Construction	2029	1/1/2029	9/19/2029	225	0.051	11.477	7.14E-04
P4	P4Building Construction	Building Construction	0	1/0/1900	1/0/1900	1		0.000	0.00E+00
P4	P4Architectural Coating	Architectural Coating	2029	9/20/2029	11/18/2029	51	0.002	0.120	3.29E-05
P4	P4Paving	Paving	2029	11/19/2029	12/31/2029	37	0.030	1.103	4.17E-04
P4	P4Paving	Paving	2030	1/1/2030	1/17/2030	15	0.030	0.447	4.17E-04
P2	P2Demolition	Demolition	2026	4/1/2026	4/30/2026	26	0.011	0.298	1.60E-04
P2	P2Grading	Grading	2026	5/1/2026	6/30/2026	52	0.024	1.259	3.39E-04
P2	P2Building Construction	Building Construction	2026	7/1/2026	12/31/2026	158	0.028	4.375	3.88E-04
P2	P2Building Construction	Building Construction	2027	1/1/2027	10/23/2027	254	0.028	7.034	3.88E-04
P2	P2Architectural Coating	Architectural Coating	2027	10/24/2027	12/22/2027	51	0.002	0.120	3.29E-05
P2	P2Paving	Paving	2027	12/23/2027	12/31/2027	8	0.060	0.484	8.47E-04
P2	P2Paving	Paving	2028	1/1/2028	2/20/2028	43	0.060	2.599	8.46E-04
P3	P3Demolition	Demolition	2026	4/1/2026	4/30/2026	26	0.011	0.298	1.60E-04
P3	P3Grading	Grading	2026	5/1/2026	6/30/2026	52	0.024	1.259	3.39E-04
P3	P3Building Construction	Building Construction	2026	7/1/2026	12/31/2026	158	0.028	4.375	3.88E-04
P3	P3Building Construction	Building Construction	2027	1/1/2027	10/23/2027	254	0.028	7.034	3.88E-04
P3	P3Architectural Coating	Architectural Coating	2027	10/24/2027	12/22/2027	51	0.002	0.120	3.29E-05
P3	P3Paving	Paving	2027	12/23/2027	12/31/2027	8	0.060	0.484	8.47E-04
P3	P3Paving	Paving	2028	1/1/2028	2/20/2028	43	0.060	2.599	8.46E-04
P9	P9Demolition	Demolition	2032	1/1/2032	1/28/2032	24	0.037	0.885	5.16E-04
P9	P9Grading	Grading	2032	1/29/2032	2/27/2032	26	0.046	1.201	6.47E-04
P9	P9Building Construction	Building Construction	2032	2/28/2032	12/31/2032	264	0.061	16.185	8.58E-04
P9	P9Building Construction	Building Construction	2033	1/1/2033	2/21/2033	44	0.061	2.692	8.56E-04
P9	P9Building Construction	Building Construction	0	1/0/1900	1/0/1900	1		0.000	0.00E+00
P9	P9Architectural Coating	Architectural Coating	2033	2/22/2033	3/23/2033	26	0.002	0.061	3.29E-05
P9	P9Paving	Paving	2033	3/24/2033	4/22/2033	26	0.030	0.774	4.17E-04
P8	P8Demolition	Demolition	2032	1/1/2032	1/28/2032	24	0.037	0.885	5.16E-04
P8	P8Grading	Grading	2032	1/29/2032	3/28/2032	51	0.046	2.355	6.47E-04
P8	P8Building Construction	Building Construction	2032	3/29/2032	12/31/2032	239	0.067	16.104	9.43E-04
P8	P8Building Construction	Building Construction	2033	1/1/2033	1/22/2033	19	0.067	1.278	9.41E-04
P8	P8Architectural Coating	Architectural Coating	2033	1/23/2033	3/23/2033	51	0.002	0.120	3.29E-05
P8	P8Paving	Paving	2033	3/24/2033	4/22/2033	26	0.030	0.774	4.17E-04
P6	P6Demolition	Demolition	2030	2/1/2030	3/3/2030	26	0.011	0.298	1.60E-04
P6	P6Grading	Grading	2030	3/4/2030	5/2/2030	52	0.024	1.259	3.39E-04
P6	P6Building Construction	Building Construction	2030	5/3/2030	12/31/2030	208	0.028	5.760	3.88E-04
P6	P6Building Construction	Building Construction	2031	1/1/2031	8/25/2031	203	0.028	5.622	3.88E-04
P6	P6Building Construction	Building Construction	0	1/0/1900	1/0/1900	1		0.000	0.00E+00
P6	P6Architectural Coating	Architectural Coating	2031	8/26/2031	10/24/2031	52	0.002	0.122	3.29E-05
P6	P6Paving	Paving	2031	10/25/2031	12/23/2031	51	0.060	3.076	8.44E-04
P7	P7Demolition	Demolition	2030	2/1/2030	3/3/2030	26	0.011	0.298	1.60E-04
P7	P7Grading	Grading	2030	3/4/2030	5/2/2030	52	0.024	1.259	3.39E-04
P7	P7Building Construction	Building Construction	2030	5/3/2030	12/31/2030	208	0.028	5.760	3.88E-04
P7	P7Building Construction	Building Construction	2031	1/1/2031	8/25/2031	203	0.028	5.622	3.88E-04
P7	P7Building Construction	Building Construction	0	1/0/1900	1/0/1900	1		0.000	0.00E+00
P7	P7Architectural Coating	Architectural Coating	2031	8/26/2031	10/24/2031	52	0.002	0.122	3.29E-05
P7	P7Paving	Paving	2031	10/25/2031	12/23/2031	51	0.060	3.076	8.44E-04
P5	P5Demolition	Demolition	2028	3/1/2028	3/28/2028	24	0.011	0.275	1.60E-04
P5	P5Grading	Grading	2028	3/29/2028	4/27/2028	26	0.032	0.838	4.51E-04
P5	P5Building Construction	Building Construction	2028	4/28/2028	12/31/2028	212	0.025	5.234	3.46E-04
P5	P5Building Construction	Building Construction	2029	1/1/2029	4/22/2029	96	0.025	2.370	3.46E-04
P5	P5Building Construction	Building Construction	0	1/0/1900	1/0/1900	1		0.000	0.00E+00
P5	P5Architectural Coating	Architectural Coating	2029	4/23/2029	5/22/2029	26	0.002	0.061	3.29E-05
P5	P5Paving	Paving	2029	5/23/2029	6/21/2029	26	0.060	1.570	8.45E-04
P10	P10Demolition	Demolition	2033	8/1/2033	8/26/2033	23	0.037	0.848	5.16E-04
P10	P10Grading	Grading	2033	8/27/2033	9/25/2033	25	0.046	1.155	6.47E-04
P10	P10Grading	Grading	0	1/0/1900	1/0/1900	1		0.000	0.00E+00
P10	P10Building Construction	Building Construction	2033	9/26/2033	12/31/2033	84	0.061	5.139	8.56E-04
P10	P10Building Construction	Building Construction	2034	1/1/2034	9/20/2034	225	0.061	13.740	8.55E-04
P10	P10Architectural Coating	Architectural Coating	2034	9/21/2034	10/20/2034	26	0.002	0.061	3.29E-05
P10	P10Paving	Paving	2034	10/21/2034	11/19/2034	25	0.030	0.744	4.17E-04
P11	P11Demolition	Demolition	2033	8/1/2033	8/31/2033	27	0.011	0.309	1.60E-04
P11	P11Grading	Grading	2033	9/1/2033	10/30/2033	51	0.024	1.235	3.39E-04
P11	P11Building Construction	Building Construction	2033	10/31/2033	12/31/2033	54	0.028	1.495	3.88E-04
P11	P11Building Construction	Building Construction	2034	1/1/2034	12/31/2034	312	0.028	8.640	3.88E-04
P11	P11Building Construction	Building Construction	2035	1/1/2035	2/22/2035	46	0.028	1.274	3.88E-04
P11	P11Architectural Coating	Architectural Coating	2035	2/23/2035	4/23/2035	51	0.002	0.120	3.29E-05
P11	P11Paving	Paving	2035	4/24/2035	6/22/2035	52	0.060	3.134	8.44E-04
P12	P12Demolition	Demolition	2035	7/1/2035	7/26/2035	22	0.037	0.811	5.16E-04
P12	P12Grading	Grading	2035	7/27/2035	8/25/2035	26	0.046	1.201	6.47E-04
P12	P12Building Construction	Building Construction	2035	8/26/2035	12/31/2035	109	0.061	6.648	8.54E-04
P12	P12Building Construction	Building Construction	2036	1/1/2036	8/19/2036	199	0.061	12.127	8.53E-04
P12	P12Building Construction	Building Construction	0	1/0/1900	1/0/1900	1		0.000	0.00E+00
P12	P12Architectural Coating	Architectural Coating	2036	8/20/2036	9/18/2036	26	0.002	0.061	3.29E-05
P12	P12Paving	Paving	2036	9/19/2036	10/18/2036	26	0.030	0.774	4.17E-04
P13	P13Demolition	Demolition	2035	7/1/2035	7/26/2035	22	0.011	0.252	1.60E-04
P13	P13Grading	Grading	2035	7/27/2035	8/25/2035	26	0.032	0.838	4.51E-04
P13	P13Building Construction	Building Construction	2035	8/26/2035	12/31/2035	109	0.025	2.691	3.46E-04
P13	P13Building Construction	Building Construction	2036	1/1/2036	8/19/2036	199	0.025	4.913	3.46E-04
P13	P13Building Construction	Building Construction	0	1/0/1900	1/0/1900	1		0.000	0.00E+00
P13	P13Architectural Coating	Architectural Coating	2036	8/20/2036	9/18/2036	26	0.002	0.061	3.29E-05
P13	P13Paving	Paving	2036	9/19/2036	10/18/2036	26	0.060	1.567	8.44E-04

AERMOD Column Identifier:			4	47	5	5	33	33	33	5	6	6	34	34	34	34	6	6	7	7
			P0Demolition	P0Site Prep	P1Demolition	P1Grading	P1Building Construction	P1Building Construction	P1Architectural Coating	P1Paving	P4Demolition	P4Grading	P4Building Construction	P4Building Construction	P4Building Construction	P4Architectural Coating	P4Paving	P4Paving	P2Demolition	P2Grading
Unique Identifier	X (UTM)	Y (UTM)	2025	2025	2025	2025	2025	2026	2026	2026	2028	2028	2028	2029	0	2029	2029	2030	2026	2026
385232.23754656.2	385232.2	3754656.2	3.44E-03	9.01E-04	2.07E-03	2.60E-03	3.50E-03	3.48E-03	1.16E-04	2.14E-03	3.62E-04	4.53E-04	4.55E-04	4.52E-04	0.00E+00	2.08E-05	2.93E-04	2.92E-04	3.64E-04	7.69E-04
385242.23754656.2	385242.2	3754656.2	3.10E-03	8.24E-04	1.88E-03	2.35E-03	3.26E-03	3.24E-03	1.08E-04	1.94E-03	3.52E-04	4.41E-04	4.43E-04	4.40E-04	0.00E+00	2.03E-05	2.85E-04	2.85E-04	3.39E-04	7.16E-04
385252.23754656.2	385252.2	3754656.2	2.81E-03	7.58E-04	1.71E-03	2.14E-03	3.04E-03	3.02E-03	1.00E-04	1.76E-03	3.43E-04	4.29E-04	4.32E-04	4.29E-04	0.00E+00	1.98E-05	2.77E-04	2.77E-04	3.16E-04	6.69E-04
385262.23754656.2	385262.2	3754656.2	2.57E-03	7.01E-04	1.56E-03	1.96E-03	2.83E-03	2.81E-03	9.35E-05	1.61E-03	3.33E-04	4.18E-04	4.21E-04	4.18E-04	0.00E+00	1.93E-05	2.69E-04	2.69E-04	2.96E-04	6.26E-04
385272.23754656.2	385272.2	3754656.2	2.35E-03	6.51E-04	1.44E-03	1.80E-03	2.65E-03	2.63E-03	8.73E-05	1.48E-03	3.24E-04	4.06E-04	4.10E-04	4.07E-04	0.00E+00	1.88E-05	2.62E-04	2.62E-04	2.78E-04	5.87E-04
385282.23754656.2	385282.2	3754656.2	2.17E-03	6.07E-04	1.33E-03	1.66E-03	2.48E-03	2.46E-03	8.17E-05	1.37E-03	3.15E-04	3.95E-04	3.99E-04	3.97E-04	0.00E+00	1.83E-05	2.55E-04	2.55E-04	2.61E-04	5.51E-04
385362.23754656.2	385362.2	3754656.2	1.25E-03	3.81E-04	7.76E-04	9.72E-04	1.52E-03	1.51E-03	5.02E-05	8.02E-04	2.51E-04	3.14E-04	3.22E-04	3.20E-04	0.00E+00	1.48E-05	2.03E-04	2.03E-04	1.67E-04	3.53E-04
385372.23754656.2	385372.2	3754656.2	1.18E-03	3.63E-04	7.32E-04	9.18E-04	1.44E-03	1.43E-03	4.75E-05	7.57E-04	2.44E-04	3.05E-04	3.14E-04	3.12E-04	0.00E+00	1.44E-05	1.97E-04	1.97E-04	1.59E-04	3.36E-04
385382.23754656.2	385382.2	3754656.2	1.11E-03	3.46E-04	6.92E-04	8.67E-04	1.36E-03	1.35E-03	4.49E-05	7.15E-04	2.37E-04	2.97E-04	3.05E-04	3.04E-04	0.00E+00	1.40E-05	1.91E-04	1.91E-04	1.51E-04	3.20E-04
385232.23754666.2	385232.2	3754666.2	3.92E-03	9.86E-04	2.52E-03	3.16E-03	4.39E-03	4.36E-03	1.45E-04	2.61E-03	4.10E-04	5.14E-04	5.12E-04	5.09E-04	0.00E+00	2.34E-05	3.32E-04	3.32E-04	3.84E-04	8.12E-04
385242.23754666.2	385242.2	3754666.2	3.51E-03	8.99E-04	2.25E-03	2.82E-03	4.02E-03	3.99E-03	1.33E-04	2.33E-03	3.98E-04	4.99E-04	4.98E-04	4.95E-04	0.00E+00	2.28E-05	3.22E-04	3.22E-04	3.58E-04	7.56E-04
385252.23754666.2	385252.2	3754666.2	3.16E-03	8.25E-04	2.03E-03	2.54E-03	3.70E-03	3.67E-03	1.22E-04	2.10E-03	3.86E-04	4.84E-04	4.84E-04	4.81E-04	0.00E+00	2.22E-05	3.12E-04	3.12E-04	3.33E-04	7.05E-04
385262.23754666.2	385262.2	3754666.2	2.87E-03	7.61E-04	1.84E-03	2.31E-03	3.41E-03	3.38E-03	1.12E-04	1.90E-03	3.75E-04	4.69E-04	4.71E-04	4.68E-04	0.00E+00	2.15E-05	3.03E-04	3.03E-04	3.12E-04	6.58E-04
385272.23754666.2	385272.2	3754666.2	2.62E-03	7.05E-04	1.68E-03	2.10E-03	3.15E-03	3.13E-03	1.04E-04	1.74E-03	3.63E-04	4.55E-04	4.58E-04	4.55E-04	0.00E+00	2.09E-05	2.94E-04	2.94E-04	2.92E-04	6.17E-04
385282.23754666.2	385282.2	3754666.2	2.40E-03	6.56E-04	1.54E-03	1.93E-03	2.92E-03	2.90E-03	9.62E-05	1.59E-03	3.52E-04	4.41E-04	4.45E-04	4.42E-04	0.00E+00	2.03E-05	2.85E-04	2.85E-04	2.74E-04	5.78E-04
385292.23754666.2	385292.2	3754666.2	2.21E-03	6.13E-04	1.42E-03	1.78E-03	2.71E-03	2.69E-03	8.94E-05	1.46E-03	3.41E-04	4.28E-04	4.32E-04	4.29E-04	0.00E+00	1.98E-05	2.76E-04	2.76E-04	2.57E-04	5.44E-04
385302.23754666.2	385302.2	3754666.2	2.04E-03	5.74E-04	1.31E-03	1.64E-03	2.52E-03	2.50E-03	8.31E-05	1.35E-03	3.31E-04	4.15E-04	4.20E-04	4.17E-04	0.00E+00	1.92E-05	2.68E-04	2.67E-04	2.42E-04	5.12E-04
385362.23754666.2	385362.2	3754666.2	1.35E-03	4.07E-04	8.63E-04	1.08E-03	1.70E-03	1.69E-03	5.61E-05	8.91E-04	2.74E-04	3.44E-04	3.52E-04	3.50E-04	0.00E+00	1.61E-05	2.22E-04	2.22E-04	1.74E-04	3.68E-04
385372.23754666.2	385372.2	3754666.2	1.27E-03	3.87E-04	8.11E-04	1.02E-03	1.60E-03	1.59E-03	5.29E-05	8.38E-04	2.66E-04	3.33E-04	3.42E-04	3.40E-04	0.00E+00	1.57E-05	2.15E-04	2.15E-04	1.65E-04	3.50E-04
385382.23754666.2	385382.2	3754666.2	1.19E-03	3.69E-04	7.64E-04	9.57E-04	1.51E-03	1.50E-03	4.99E-05	7.89E-04	2.58E-04	3.23E-04	3.33E-04	3.31E-04	0.00E+00	1.52E-05	2.09E-04	2.09E-04	1.57E-04	3.33E-04
385232.23754676.2	385232.2	3754676.2	4.38E-03	1.06E-03	3.01E-03	3.77E-03	5.44E-03	5.40E-03	1.79E-04	3.11E-03	4.67E-04	5.86E-04	5.80E-04	5.76E-04	0.00E+00	2.65E-05	3.78E-04	3.78E-04	4.02E-04	8.50E-04
385242.23754676.2	385242.2	3754676.2	3.90E-03	9.68E-04	2.66E-03	3.34E-03	4.91E-03	4.87E-03	1.62E-04	2.75E-03	4.52E-04	5.66E-04	5.62E-04	5.59E-04	0.00E+00	2.57E-05	3.65E-04	3.65E-04	3.74E-04	7.90E-04
385252.23754676.2	385252.2	3754676.2	3.51E-03	8.87E-04	2.38E-03	2.98E-03	4.45E-03	4.42E-03	1.47E-04	2.46E-03	4.37E-04	5.47E-04	5.45E-04	5.42E-04	0.00E+00	2.49E-05	3.53E-04	3.53E-04	3.48E-04	7.36E-04
385262.23754676.2	385262.2	3754676.2	3.17E-03	8.17E-04	2.14E-03	2.68E-03	4.06E-03	4.03E-03	1.34E-04	2.21E-03	4.22E-04	5.29E-04	5.28E-04	5.25E-04	0.00E+00	2.42E-05	3.41E-04	3.41E-04	3.25E-04	6.87E-04
385272.23754676.2	385272.2	3754676.2	2.88E-03	7.57E-04	1.94E-03	2.43E-03	3.71E-03	3.69E-03	1.22E-04	2.00E-03	4.08E-04	5.11E-04	5.12E-04	5.09E-04	0.00E+00	2.34E-05	3.30E-04	3.30E-04	3.04E-04	6.43E-04
385282.23754676.2	385282.2	3754676.2	2.63E-03	7.03E-04	1.77E-03	2.21E-03	3.41E-03	3.38E-03	1.12E-04	1.83E-03	3.94E-04	4.94E-04	4.96E-04	4.93E-04	0.00E+00	2.27E-05	3.19E-04	3.19E-04	2.85E-04	6.03E-04
385292.23754676.2	385292.2	3754676.2	2.41E-03	6.56E-04	1.62E-03	2.02E-03	3.14E-03	3.12E-03	1.04E-04	1.67E-03	3.81E-04	4.77E-04	4.81E-04	4.78E-04	0.00E+00	2.20E-05	3.08E-04	3.08E-04	2.68E-04	5.66E-04
385302.23754676.2	385302.2	3754676.2	2.22E-03	6.14E-04	1.48E-03	1.86E-03	2.90E-03	2.88E-03	9.56E-05	1.53E-03	3.68E-04	4.61E-04	4.66E-04	4.63E-04	0.00E+00	2.13E-05	2.98E-04	2.98E-04	2.52E-04	5.33E-04
385332.23754676.2	385332.2	3754676.2	1.77E-03	5.10E-04	1.17E-03	1.47E-03	2.32E-03	2.30E-03	7.65E-05	1.21E-03	3.32E-04	4.16E-04	4.23E-04	4.21E-04	0.00E+00	1.94E-05	2.69E-04	2.69E-04	2.12E-04	4.48E-04
385342.23754676.2	385342.2	3754676.2	1.65E-03	4.82E-04	1.09E-03	1.37E-03	2.16E-03	2.15E-03	7.13E-05	1.13E-03	3.21E-04	4.03E-04	4.10E-04	4.08E-04	0.00E+00	1.88E-05	2.60E-04	2.60E-04	2.01E-04	4.24E-04
385352.23754676.2	385352.2	3754676.2	1.54E-03	4.56E-04	1.02E-03	1.28E-03	2.02E-03	2.01E-03	6.67E-05	1.05E-03	3.11E-04	3.89E-04	3.98E-04	3.95E-04	0.00E+00	1.82E-05	2.51E-04	2.51E-04	1.90E-04	4.02E-04
385362.23754676.2	385362.2	3754676.2	1.44E-03	4.33E-04	9.53E-04	1.19E-03	1.89E-03	1.88E-03	6.24E-05	9.85E-04	3.00E-04	3.76E-04	3.85E-04	3.83E-04	0.00E+00	1.76E-05	2.43E-04	2.43E-04	1.81E-04	3.82E-04
385372.23754676.2	385372.2	3754676.2	1.35E-03	4.11E-04	8.93E-04	1.12E-03	1.78E-03	1.76E-03	5.86E-05	9.23E-04	2.91E-04	3.64E-04	3.73E-04	3.71E-04	0.00E+00	1.71E-05	2.35E-04	2.35E-04	1.72E-04	3.63E-04
385382.23754676.2	385382.2	3754676.2	1.27E-03	3.91E-04	8.38E-04	1.05E-03	1.67E-03	1.66E-03	5.50E-05	8.66E-04	2.81E-04	3.52E-04	3.62E-04	3.60E-04	0.00E+00	1.66E-05	2.27E-04	2.27E-04	1.63E-04	3.45E-04
385232.23754686.2	385232.2	3754686.2	4.81E-03	1.13E-03	3.52E-03	4.41E-03	6.63E-03	6.58E-03	2.19E-04	3.64E-03	5.33E-04	6.68E-04	6.58E-04	6.54E-04	0.00E+00	3.01E-05	4.31E-04	4.31E-04	4.16E-04	8.80E-04
385242.23754686.2	385242.2	3754686.2	4.27E-03	1.03E-03	3.09E-03	3.88E-03	5.90E-03	5.86E-03	1.95E-04	3.20E-03	5.13E-04	6.44E-04	6.36E-04	6.32E-04	0.00E+00	2.91E-05	4.15E-04	4.15E-04	3.87E-04	8.18E-04
385252.23754686.2	385252.2	3754686.2	3.83E-03	9.43E-04	2.75E-03	3.44E-03	5.29E-03	5.25E-03	1.74E-04	2.84E-03	4.94E-04	6.19E-04	6.14E-04	6.10E-04	0.00E+00	2.81E-05	4.00E-04	4.00E-04	3.60E-04	7.62E-04
385262.23754686.2	385262.2	3754686.2	3.45E-03	8.69E-04	2.45E-03	3.08E-03	4.77E-03	4.73E-03	1.57E-04	2.54E-03	4.76E-04	5.96E-04	5.93E-04	5.90E-04	0.00E+00	2.72E-05	3.85E-04	3.85E-04	3.37E-04	7.11E-04
385272.23754686.2	385272.2	3754686.2	3.12E-03	8.05E-04	2.21E-03	2.77E-03	4.32E-03	4.29E-03	1.43E-04	2.28E-03	4.58E-04	5.74E-04	5.73E-04	5.70E-04	0.00E+00	2.62E-05	3.70E-04	3.70E-04	3.15E-04	6.65E-04
385282.23754686.2	385282.2	3754686.2	2.85E-03	7.48E-04	2.00E-03	2.51E-03	3.93E-03	3.91E-03	1.30E-04	2.07E-03	4.41E-04	5.53E-04	5.54E-04	5.50E-04	0.00E+00	2.53E-05	3.57E-04	3.57E-04	2.95E-04	6.24E-04
385292.23754686.2	385292.2	3754686.2	2.60E-03	6.97E-04	1.82E-03	2.28E-03	3.59E-03	3.57E-03	1.19E-04	1.88E-03	4.25E-04	5.32E-04	5.35E-04	5.31E-04	0.00E+00	2.45E-05	3.44E-04	3.43E-04	2.77E-04	5.86E-04
385302.23754686.2	385302.2	3754686.2	2.39E-03	6.52E-04	1.67E-03	2.09E-03	3.30E-03	3.27E-03	1.09E-04	1.72E-03	4.09E-04	5.13E-04	5.17E-04	5.13E-04	0.00E+00	2.36E-05	3.31E-04	3.31E-04	2.61E-04	5.51E-04
385332.23754686.2	385332.2	3754686.2	1.89E-03	5.41E-04	1.30E-03	1.63E-03	2.59E-03	2.58E-03	8.56E-05	1.34E-03	3.66E-04	4.59E-04	4.66E-04	4.63E-04	0.00E+00	2.13E-05	2.96E-04	2.96E-04	2.19E-04	4.63E-04
385342.23754686.2	385342.2	3754686.2	1.76E-03	5.11E-04	1.21E-03	1.51E-03	2.41E-03	2.39E-03	7.94E-05	1.25E-03	3.53E-04	4.42E-04	4.50E-04	4.48E-04	0.00E+00	2.06E-05	2.85E-04	2.85E-04	2.07E-04	4.38E-04
385352.23754686.2	385352.2	3754686.2	1.64E-03	4.84E-04	1.12E-03	1.41E-03	2.24E-03	2.22E-03	7.39E-05	1.16E-03	3.40E-04	4.27E-04	4.35E-04	4.33E-04	0.00E+00	1.99E-05	2.75E-04	2.75E-04	1.96E-04	4.15E-04
385362.23754686.2	385362.2	3754686.2	1.54E-03	4.58E-04	1.04E-03	1.31E-03	2.09E-03	2.07E-03	6.89E-05	1.08E-03	3.28E-04	4.12E-04	4.21E-04	4.18E-04	0.00E+00	1.93E-05	2.66E-04	2.65E-04	1.86E-04	3.94E-04
385372.23754686.2	385372.2	3754686.2	1.44E-03	4.35E-04	9.76E-04	1.22E-03	1.95E-03	1.94E-03	6.44E-05	1.01E-03	3.17E-04	3.97E-04	4.07E-04	4.05E-04	0.00E+00	1.86E-05	2.56E-04	2.56E-04	1.77E-04	3.74E-04
385382.23754686.2	385382.2	3754686.2	1.35E-03	4.13E-04	9.13E-04	1.14E-03	1.83E-03	1.82E-03	6.03E-05	9.44E-04	3.06E-04	3.83E-04	3.94E-04	3.91E-04	0.00E+00	1.80E-05	2.47E-04	2.47E-04	1.68E-04	3.56E-04
385232.23754696.2	385232.2	3754696.2	5.18E-03	1.18E-03	4.03E-03	5.05E-03	7.90E-03	7.84E-03	2.61E-04	4.16E-03	6.09E-04	7.63E-04	7.48E-04	7.43E-04	0.00E+00	3.42E-05	4.92E-04	4.92E-04	4.27E-04	9.01E-04
385242.23754696.2	385242.2	3754696.2	4.60E-03	1.08E-03	3.52E-03	4.42E-03	6.95E-03	6.90E-03	2.29E-04	3.64E-03	5.84E-04	7.31E-04	7.20E-04	7.15E-04	0.00E+00	3.29E-05	4.72E-04	4.72E-04	3.97E-04	8.38E-04
385252.23754696.2	385252.2	3754696.2	4.11E-03	9.91E-04	3.11E-03	3.90E-03	6.17E-03	6.12E-03	2.03E-04	3.22E-03	5.59E-04	7.01E-04	6.93E-04	6.89E-04	0.00E+00	3.17E-05	4.52E-04	4.52E-04	3.70E-04	7.81E-04
385262.23754696.2	385262.2	3754696.2	3.70E-03	9.15E-04	2.77E-03	3.47E-03	5.51E-03	5.47E-03	1.82E-04	2.86E-03	5.36E-04	6.72E-04	6.67E-04	6.63E-04	0.00E+00	3.05E-05	4.34E-04	4.34E-04	3.45E-04	7.29E-04
385272.23754696.2	385272.2	3754696.2	3.35E-03	8.48E-04	2.48E-03	3.11E-03	4.95E-03	4.92E-03	1.63E-04	2.56E-03	5.14E-04	6.45E-04	6.42E-04	6.38E-04	0.00E+00	2.94E-05	4.16E-04	4.16E-04	3.23E-04	6.83E-04
385282.23754696.2	385282.2	3754696.2	3.04E-03	7.89E-04	2.24E-03	2.80E-03	4.48E-03	4.44E-03	1.48E-04	2.31E-03	4.93E-04	6.18E-04	6.18E-04	6.14E-04	0.00E+00	2.83E-05	3.99E-04	3.99E-04	3.03E-04	6.40E-04
385292.23754696.2	385292.2	3754696.2	2.78E-03	7.36E-04	2.03E-03	2.54E-03	4.06E-03	4.04E-03	1.34E-04	2.10E-03	4.73E-04	5.93E-04	5.95E-04	5.91E-04	0.00E+00	2.72E-05	3.83E-04	3.83E-04	2.85E-04	6.01E-04
385302.23754696.2	385302.2	3754696.2	2.55E-03	6.88E-04	1.85E-03	2.31E-03	3.71E-03	3.68E-03	1.22E-04	1.91E-03	4.55E-04	5.70E-04	5.73E-04	5.69E-04	0.00E+00	2.62E-05	3.67E-04	3.67E-04	2.68E-04	5.66E-04
385332.23754696.2	385332.2	3754696.2	2.01E-03	5.72E-04	1.43E-03	1.79E-03	2.87E-03	2.85E-03	9.48E-05	1.48E-03	4.03E-04	5.05E-04	5.12E-04	5.09E-04	0.00E+00	2.34E-05	3.26E-04	3.26E-04	2.25E-04	4.75E-04
385342.23754696.2	385342.2	3754696.2	1.87E-03	5.39E-04	1.32E-03	1.65E-03	2.65E-03	2.64E-03	8.76E-05	1.36E-03	3.87E-04	4.85E-04	4.94E-04	4.91E-04	0.00E+00	2.26E-05	3.13E-04	3.13E-04	2.13E-04	4.50E-04
385352.23754696.2	385352.2	3754696.2	1.74E-03	5.10E-04	1.22E-03	1.53E-03	2.46E-03	2.44E-03	8.12E-05	1.26E-03	3.72E-04	4.67E-04	4.76E-04	4.73E-04	0.00E+00	2.18E-05	3.01E-04	3.01E-04	2.02E-04	4.26E-04
385362.23754696.2	385362.2	3754696.2	1.62E-03	4.83E-04	1.14E-03	1.42E-03	2.29E-03	2.27E-03	7.54E-05	1.17E-03	3.58E-04	4.49E-04	4.59E-04	4.56E-04	0.00E+00	2.10E-05	2.90E-04	2.90E-04	1.91E-04	4.04E-04
385372.23754696.2	385372.2	3754696.2	1.52E-03	4.58E-04	1.06E-03	1.33E-03	2.13E-03	2.12E-03	7.03E-05	1.09E-03	3.45E-04	4.32E-04	4.43E-04	4.40E-04	0.00E+00	2.03E-05	2.79E-04	2.79E-04	1.82E-04	3.84E-04
385382.23754696.2	385382.2	3754696.2	1.43E-03	4.35E-04	9.88E-04	1.24E-03	1.99E-03	1.98E-03	6.56E-05	1.02E-03	3.32E-04	4.16E-04	4.28E-04	4.25E-04	0.00E+00	1.96E-05	2.69E-04	2.69E-04	1.73E-04	3.65E-04
385232.23754706.2	385232.2	3754706.2	5.49E-03	1.22E-03	4.51E-03	5.65E-03	9.17E-03	9.10E-03	3.02E-04	4.66E-03	6.95E-04	8.71E-04	8.51E-04	8.46E-04	0.00E+00	3.90E-05	5.62E-04	5.62E-04	4.33E-04	9.14E-04
385242.23754706.2	385242.2	3754706.2	4.87E-03	1.12E-03	3.93E-03	4.93E-03	8.00E-03	7.94E-03	2.64E-04	4.07E-03	6.63E-04	8.31E-04	8.16E-04	8.10E-04	0.00E+00	3.73E-05	5.36E-04	5.36E-04	4.03E-04	8.51E-04
385252.23754706.2	385252.2	3754706.2	4.35E-03	1.03E-03	3.46E-03	4.34E-03	7.04E-03	6.99E-03	2.32E-04	3.58E-03	6.33E-04	7.93E-04	7.82E-04	7.77E-04	0.00E+00	3.58E-05	5.11E-04	5.11E-04	3.76E-04	7.94E-04
385262.23754706.2	385262.2	3754706.2	3.91E-03	9.56E-04	3.07E-03	3.85E-03	6.25E-03	6.20E-03	2.06E-04	3.17E-03	6.04E-04	7.57E-04	7.49E-04	7.44E-04	0.00E+00	3.43E-05	4.88E-04	4.88E-04	3.51E-04	7.42E-04
385272.23754706.2	385272.2	3754706.2	3.54E-03	8.87E-04	2.74E-03	3.44E-03	5.58E-03	5.54E-03	1.84E-04	2.84E-03	5.76E-04	7.22E-04	7.18E-04	7.14E-04	0.00E+00	3.29E-05	4.66E-04	4.66E-04	3.29E-04	6.95E-04
385282.23754706.2	385282.2	3754706.2	3.22E-03	8.27E-04	2.47E-03	3.09E-03	5.01E-03	4.98E-03	1.65E-04	2.55E-03	5.51E-04	6.90E-04	6.89E-04	6.85E-04	0.00E+00	3.15E-05	4.45E-04	4.45E-04	3.08E-04	6.52E-04
385292.23754706.2	385292.2	3754706.2	2.94E-03	7.72E-04	2.23E-03	2.79E-03	4.53E-03	4.50E-03	1.49E-04	2.30E-03	5.27E-04	6.60E-04	6.61E-04	6.57E-04	0.00E+00	3.03E-05	4.26E-04	4.26E-04	2.90E-04	6.13E-04
385302.23754706.2	385302.2	3754706.2	2.69E-03	7.23E-04	2.02E-03	2.53E-03	4.11E-03	4.08E-03	1.36E-04	2.09E-03	5.04E-04	6.31E-04	6.35E-04	6.31E-04	0.00E+00	2.90E-05	4.07E-04	4.07E-04	2.73E-04	5.77E-04
385332.23754706.2	385332.2	3754706.2	2.11E-03	6.01E-04	1.55E-03	1.94E-03	3.15E-03	3.12E-03	1.04E-04	1.60E-03	4.42E-04	5.54E-04	5.62E-04	5.59E-04	0.00E+00	2.57E-05	3.58E-04	3.57E-04	2.30E-04	4.85E-04
385342.23754706.2	385342.2	3754706.2	1.96E-03	5.67E-04	1.43E-03	1.79E-03	2.90E-03	2.88E-03	9.56E-05	1.48E-03	4.24E-04	5.31E-04	5.41E-04	5.37E-04	0.00E+00	2.47E-05	3.43E-04	3.43E-04	2.17E-04	4.59E-04
385352.23754706.2	385352.2	3754706.2	1.83E-03	5.36E-04	1.32E-03	1.66E-03	2.68E-03	2.66E-03	8.83E-05	1.37E-03	4.07E-04	5.10E-04	5.20E-04	5.17E-04	0.00E+00	2.38E-05	3.29E-04	3.29E-04	2.06E-04	4.35E-04
385362.23754706.2	385362.2	3754706.2	1.70E-03	5.07E-04	1.23E-03	1.54E-03	2.48E-03	2.46E-03	8.18E-05	1.27E-03	3.90E-04	4.89E-04	5.00E-04	4.97E-04	0.00E+00	2.29E-05	3.15E-04	3.15E-04	1.95E-04	4.13E-04
385372.23754706.2	385372.2	3754706.2	1.59E-03	4.81E-04	1.14E-03	1.43E-03	2.30E-03	2.29E-03	7.60E-05	1.18E-03	3.75E-04	4.70E-04	4.81E-04	4.78E-04	0.00E+00	2.20E-05	3.03E-04	3.03E-04	1.86E-04	3.92E-04
385382.23754706.2	385382.2	3754706.2	1.49E-03	4.57E-04	1.06E-03	1.33E-03	2.15E-03	2.13E-03	7.08E-05	1.10E-03	3.60E-04	4.51E-04	4.63E-04	4.61E-04	0.00E+00	2.12E-05	2.91E-04	2.91E-04	1.77E-04	3.73E-04
385232.23754716.2	385232.2	3754716.2	5.72E-03	1.26E-03	4.95E-03	6.20E-03	1.03E-02	1.03E-02	3.41E-04	5.11E-03	7.92E-04	9.93E-04	9.68E-04	9.62E-04	0.00E+00	4.43E-05	6.41E-04	6.40E-04	4.35E-04	9.19E-04
385242.23754716.2	385242.2	3754716.2	5.08E-03	1.16E-03	4.31E-03	5.40E-03	8.98E-03	8.92E-03	2.96E-04	4.45E-03	7.51E-04	9.41E-04	9.23E-04	9.17E-04	0.00E+00	4.22E-05	6.07E-04	6.07E-04	4.05E-04	8.56E-04
385252.23754716.2	385252.2	3754716.2	4.54E-03	1.07E-03	3.79E-03	4.74E-03	7.86E-03	7.81E-03	2.59E-04	3.91E-03	7.13E-04	8.94E-04	8.80E-04	8.75E-04	0.00E+00	4.03E-05	5.77E-04	5.76E-04	3.78E-04	8.00E-04
385262.23754716.2	385262.2	3754716.2	4.09E-03	9.93E-04	3.35E-03	4.20E-03	6.94E-03	6.89E-03	2.29E-04	3.46E-03	6.77E-04	8.49E-04	8.40E-04	8.35E-04	0.00E+00	3.84E-05	5.48E-04	5.48E-04	3.54E-04	7.48E-04
385272.23754716.2	385272.2	3754716.2	3.69E-03	9.24E-04	2.99E-03	3.74E-03	6.17E-03	6.13E-03	2.04E-04	3.09E-03	6.44E-04	8.07E-04	8.02E-04	7.97E-04	0.00E+00	3.67E-05	5.21E-04	5.21E-04	3.32E-04	7.02E-04
385282.23754716.2	385282.2	3754716.2	3.36E-03	8.62E-04	2.68E-03	3.36E-03	5.52E-03	5.48E-03	1.82E-04	2.77E-03	6.13E-04	7.68E-04	7.67E-04	7.62E-04	0.00E+00	3.51E-05	4.96E-04	4.96E-04	3.12E-04	6.59E-04
385292.23754716.2	385292.2	3754716.

35	35	35	7	7	8	8	36	36	36	8	8	9	49	37	37	37	37	9	10	10	38
P2Building Construction	P2Building Construction	P2Architectural Coating	P2Paving	P2Paving	P3Demolition	P3Grading	P3Building Construction	P3Building Construction	P3Architectural Coating	P3Paving	P3Paving	P9Demolition	P9Grading	P9Building Construction	P9Building Construction	P9Building Construction	P9Architectural Coating	P9Paving	P8Demolition	P8Grading	P8Building Construction
2026	2027	2027	2027	2028	2026	2026	2026	2027	2027	2027	2028	2032	2032	2032	2033	0	2033	2033	2032	2032	2032
8.56E-04	8.56E-04	7.26E-05	1.92E-03	1.92E-03	2.57E-04	5.42E-04	6.01E-04	6.01E-04	5.10E-05	1.35E-03	1.35E-03	1.40E-03	1.52E-02	2.32E-03	2.32E-03	0.00E+00	8.90E-05	1.13E-03	2.58E-04	3.24E-04	4.20E-04
7.98E-04	7.98E-04	6.77E-05	1.79E-03	1.79E-03	2.42E-04	5.11E-04	5.68E-04	5.68E-04	4.82E-05	1.28E-03	1.28E-03	1.30E-03	1.46E-02	2.15E-03	2.15E-03	0.00E+00	8.25E-05	1.05E-03	2.49E-04	3.12E-04	4.05E-04
7.46E-04	7.46E-04	6.33E-05	1.67E-03	1.67E-03	2.29E-04	4.83E-04	5.37E-04	5.37E-04	4.55E-05	1.21E-03	1.21E-03	1.20E-03	1.22E-02	2.00E-03	2.00E-03	0.00E+00	7.66E-05	9.73E-04	2.40E-04	3.01E-04	3.91E-04
6.98E-04	6.98E-04	5.92E-05	1.56E-03	1.56E-03	2.16E-04	4.57E-04	5.08E-04	5.08E-04	4.31E-05	1.14E-03	1.14E-03	1.12E-03	9.52E-03	1.86E-03	1.86E-03	0.00E+00	7.14E-05	9.06E-04	2.32E-04	2.91E-04	3.78E-04
6.55E-04	6.55E-04	5.56E-05	1.47E-03	1.46E-03	2.05E-04	4.32E-04	4.81E-04	4.81E-04	4.08E-05	1.08E-03	1.08E-03	1.05E-03	7.48E-03	1.74E-03	1.73E-03	0.00E+00	6.66E-05	8.45E-04	2.24E-04	2.81E-04	3.67E-04
6.16E-04	6.16E-04	5.22E-05	1.38E-03	1.37E-03	1.94E-04	4.10E-04	4.57E-04	4.57E-04	3.88E-05	1.02E-03	1.02E-03	9.78E-04	6.00E-03	1.63E-03	1.62E-03	0.00E+00	6.23E-05	7.90E-04	2.17E-04	2.72E-04	3.56E-04
3.96E-04	3.96E-04	3.36E-05	8.81E-04	8.80E-04	1.31E-04	2.78E-04	3.11E-04	3.11E-04	2.64E-05	6.93E-04	6.93E-04	6.09E-04	1.85E-03	1.01E-03	1.01E-03	0.00E+00	3.88E-05	4.92E-04	1.74E-04	2.18E-04	2.94E-04
3.77E-04	3.77E-04	3.19E-05	8.38E-04	8.37E-04	1.26E-04	2.66E-04	2.98E-04	2.98E-04	2.53E-05	6.63E-04	6.63E-04	5.78E-04	1.67E-03	9.61E-04	9.59E-04	0.00E+00	3.68E-05	4.67E-04	1.70E-04	2.13E-04	2.88E-04
3.59E-04	3.59E-04	3.04E-05	7.98E-04	7.97E-04	1.20E-04	2.54E-04	2.85E-04	2.85E-04	2.42E-05	6.35E-04	6.34E-04	5.49E-04	1.52E-03	9.13E-04	9.11E-04	0.00E+00	3.50E-05	4.44E-04	1.66E-04	2.09E-04	2.83E-04
9.07E-04	9.07E-04	7.69E-05	2.03E-03	2.03E-03	2.82E-04	5.95E-04	6.61E-04	6.61E-04	5.61E-05	1.49E-03	1.49E-03	1.52E-03	9.68E-03	2.53E-03	2.52E-03	0.00E+00	9.68E-05	1.23E-03	2.80E-04	3.51E-04	4.52E-04
8.44E-04	8.44E-04	7.16E-05	1.89E-03	1.89E-03	2.65E-04	5.59E-04	6.22E-04	6.22E-04	5.28E-05	1.40E-03	1.40E-03	1.40E-03	9.69E-03	2.33E-03	2.33E-03	0.00E+00	8.95E-05	1.13E-03	2.70E-04	3.38E-04	4.36E-04
7.88E-04	7.88E-04	6.68E-05	1.76E-03	1.76E-03	2.49E-04	5.27E-04	5.86E-04	5.86E-04	4.97E-05	1.32E-03	1.31E-03	1.30E-03	8.93E-03	2.16E-03	2.16E-03	0.00E+00	8.29E-05	1.05E-03	2.60E-04	3.26E-04	4.22E-04
7.37E-04	7.37E-04	6.25E-05	1.64E-03	1.64E-03	2.35E-04	4.96E-04	5.53E-04	5.53E-04	4.69E-05	1.24E-03	1.24E-03	1.21E-03	7.69E-03	2.01E-03	2.00E-03	0.00E+00	7.70E-05	9.75E-04	2.51E-04	3.15E-04	4.09E-04
6.90E-04	6.90E-04	5.85E-05	1.54E-03	1.54E-03	2.22E-04	4.69E-04	5.23E-04	5.23E-04	4.43E-05	1.17E-03	1.17E-03	1.12E-03	6.47E-03	1.87E-03	1.87E-03	0.00E+00	7.17E-05	9.08E-04	2.43E-04	3.04E-04	3.96E-04
6.48E-04	6.48E-04	5.50E-05	1.45E-03	1.44E-03	2.10E-04	4.43E-04	4.94E-04	4.94E-04	4.19E-05	1.11E-03	1.11E-03	1.05E-03	5.43E-03	1.75E-03	1.74E-03	0.00E+00	6.69E-05	8.47E-04	2.35E-04	2.95E-04	3.85E-04
6.09E-04	6.09E-04	5.17E-05	1.36E-03	1.36E-03	1.98E-04	4.19E-04	4.68E-04	4.68E-04	3.97E-05	1.05E-03	1.05E-03	9.80E-04	4.60E-03	1.63E-03	1.63E-03	0.00E+00	6.25E-05	7.92E-04	2.28E-04	2.85E-04	3.75E-04
5.74E-04	5.74E-04	4.87E-05	1.28E-03	1.28E-03	1.88E-04	3.97E-04	4.44E-04	4.44E-04	3.77E-05	9.93E-04	9.92E-04	9.18E-04	3.93E-03	1.53E-03	1.53E-03	0.00E+00	5.86E-05	7.42E-04	2.21E-04	2.77E-04	3.65E-04
4.13E-04	4.13E-04	3.50E-05	9.19E-04	9.18E-04	1.40E-04	2.95E-04	3.31E-04	3.31E-04	2.81E-05	7.37E-04	7.37E-04	6.44E-04	1.88E-03	1.07E-03	1.07E-03	0.00E+00	4.11E-05	5.20E-04	1.89E-04	2.37E-04	3.20E-04
3.93E-04	3.93E-04	3.33E-05	8.73E-04	8.72E-04	1.33E-04	2.82E-04	3.17E-04	3.17E-04	2.69E-05	7.04E-04	7.04E-04	6.10E-04	1.70E-03	1.02E-03	1.01E-03	0.00E+00	3.89E-05	4.93E-04	1.85E-04	2.32E-04	3.13E-04
3.74E-04	3.74E-04	3.17E-05	8.31E-04	8.30E-04	1.28E-04	2.70E-04	3.03E-04	3.03E-04	2.57E-05	6.73E-04	6.73E-04	5.79E-04	1.55E-03	9.63E-04	9.61E-04	0.00E+00	3.69E-05	4.68E-04	1.81E-04	2.27E-04	3.07E-04
9.51E-04	9.51E-04	8.07E-05	2.12E-03	2.12E-03	3.07E-04	6.48E-04	7.22E-04	7.22E-04	6.12E-05	1.62E-03	1.62E-03	1.63E-03	6.39E-03	2.72E-03	2.71E-03	0.00E+00	1.04E-04	1.32E-03	3.05E-04	3.82E-04	4.90E-04
8.85E-04	8.85E-04	7.51E-05	1.97E-03	1.97E-03	2.87E-04	6.07E-04	6.77E-04	6.77E-04	5.74E-05	1.52E-03	1.52E-03	1.50E-03	6.50E-03	2.51E-03	2.50E-03	0.00E+00	9.60E-05	1.21E-03	2.94E-04	3.69E-04	4.73E-04
8.25E-04	8.25E-04	7.00E-05	1.84E-03	1.84E-03	2.70E-04	5.70E-04	6.36E-04	6.36E-04	5.39E-05	1.42E-03	1.42E-03	1.39E-03	6.36E-03	2.32E-03	2.31E-03	0.00E+00	8.87E-05	1.12E-03	2.84E-04	3.56E-04	4.58E-04
7.71E-04	7.71E-04	6.54E-05	1.72E-03	1.72E-03	2.54E-04	5.36E-04	5.98E-04	5.98E-04	5.07E-05	1.34E-03	1.34E-03	1.29E-03	5.90E-03	2.15E-03	2.14E-03	0.00E+00	8.22E-05	1.04E-03	2.74E-04	3.43E-04	4.44E-04
7.21E-04	7.21E-04	6.12E-05	1.61E-03	1.60E-03	2.39E-04	5.05E-04	5.64E-04	5.64E-04	4.78E-05	1.26E-03	1.26E-03	1.20E-03	5.30E-03	1.99E-03	1.99E-03	0.00E+00	7.64E-05	9.66E-04	2.65E-04	3.32E-04	4.31E-04
6.77E-04	6.77E-04	5.74E-05	1.51E-03	1.50E-03	2.25E-04	4.76E-04	5.32E-04	5.32E-04	4.51E-05	1.19E-03	1.19E-03	1.11E-03	4.68E-03	1.86E-03	1.85E-03	0.00E+00	7.12E-05	9.00E-04	2.56E-04	3.21E-04	4.19E-04
6.36E-04	6.36E-04	5.39E-05	1.41E-03	1.41E-03	2.13E-04	4.50E-04	5.03E-04	5.03E-04	4.27E-05	1.12E-03	1.12E-03	1.04E-03	4.11E-03	1.73E-03	1.73E-03	0.00E+00	6.64E-05	8.40E-04	2.48E-04	3.11E-04	4.09E-04
5.98E-04	5.98E-04	5.08E-05	1.33E-03	1.33E-03	2.01E-04	4.25E-04	4.76E-04	4.76E-04	4.04E-05	1.06E-03	1.06E-03	9.73E-04	3.62E-03	1.62E-03	1.62E-03	0.00E+00	6.21E-05	7.86E-04	2.41E-04	3.02E-04	3.99E-04
5.04E-04	5.04E-04	4.27E-05	1.12E-03	1.12E-03	1.72E-04	3.63E-04	4.07E-04	4.07E-04	3.45E-05	9.06E-04	9.05E-04	8.06E-04	2.54E-03	1.34E-03	1.34E-03	0.00E+00	5.15E-05	6.51E-04	2.22E-04	2.79E-04	3.72E-04
4.77E-04	4.77E-04	4.05E-05	1.06E-03	1.06E-03	1.63E-04	3.45E-04	3.87E-04	3.87E-04	3.28E-05	8.62E-04	8.61E-04	7.59E-04	2.28E-03	1.27E-03	1.26E-03	0.00E+00	4.85E-05	6.13E-04	2.17E-04	2.72E-04	3.64E-04
4.52E-04	4.52E-04	3.84E-05	1.00E-03	1.00E-03	1.55E-04	3.28E-04	3.69E-04	3.69E-04	3.13E-05	8.20E-04	8.19E-04	7.16E-04	2.06E-03	1.19E-03	1.19E-03	0.00E+00	4.57E-05	5.79E-04	2.12E-04	2.65E-04	3.57E-04
4.29E-04	4.29E-04	3.64E-05	9.53E-04	9.52E-04	1.48E-04	3.13E-04	3.51E-04	3.51E-04	2.98E-05	7.81E-04	7.80E-04	6.77E-04	1.87E-03	1.13E-03	1.13E-03	0.00E+00	4.32E-05	5.47E-04	2.07E-04	2.59E-04	3.49E-04
4.08E-04	4.08E-04	3.46E-05	9.06E-04	9.05E-04	1.41E-04	2.98E-04	3.35E-04	3.35E-04	2.84E-05	7.45E-04	7.44E-04	6.41E-04	1.70E-03	1.07E-03	1.07E-03	0.00E+00	4.09E-05	5.18E-04	2.02E-04	2.54E-04	3.42E-04
3.88E-04	3.88E-04	3.29E-05	8.61E-04	8.61E-04	1.35E-04	2.85E-04	3.20E-04	3.20E-04	2.72E-05	7.11E-04	7.11E-04	6.07E-04	1.56E-03	1.01E-03	1.01E-03	0.00E+00	3.88E-05	4.91E-04	1.98E-04	2.48E-04	3.35E-04
9.88E-04	9.88E-04	8.38E-05	2.20E-03	2.20E-03	3.31E-04	7.00E-04	7.81E-04	7.81E-04	6.63E-05	1.75E-03	1.75E-03	1.73E-03	4.62E-03	2.89E-03	2.88E-03	0.00E+00	1.11E-04	1.39E-03	3.35E-04	4.20E-04	5.35E-04
9.19E-04	9.19E-04	7.79E-05	2.04E-03	2.04E-03	3.10E-04	6.54E-04	7.31E-04	7.31E-04	6.20E-05	1.63E-03	1.63E-03	1.59E-03	4.67E-03	2.66E-03	2.65E-03	0.00E+00	1.02E-04	1.28E-03	3.23E-04	4.04E-04	5.17E-04
8.56E-04	8.56E-04	7.26E-05	1.90E-03	1.90E-03	2.90E-04	6.12E-04	6.85E-04	6.85E-04	5.81E-05	1.53E-03	1.53E-03	1.47E-03	4.67E-03	2.45E-03	2.45E-03	0.00E+00	9.40E-05	1.18E-03	3.11E-04	3.90E-04	5.01E-04
7.99E-04	7.99E-04	6.78E-05	1.78E-03	1.77E-03	2.72E-04	5.74E-04	6.43E-04	6.43E-04	5.45E-05	1.44E-03	1.43E-03	1.36E-03	4.53E-03	2.27E-03	2.27E-03	0.00E+00	8.70E-05	1.10E-03	3.01E-04	3.77E-04	4.86E-04
7.48E-04	7.48E-04	6.35E-05	1.66E-03	1.66E-03	2.55E-04	5.40E-04	6.04E-04	6.04E-04	5.13E-05	1.35E-03	1.35E-03	1.26E-03	4.27E-03	2.11E-03	2.10E-03	0.00E+00	8.07E-05	1.02E-03	2.91E-04	3.64E-04	4.72E-04
7.01E-04	7.01E-04	5.95E-05	1.56E-03	1.56E-03	2.40E-04	5.08E-04	5.69E-04	5.69E-04	4.83E-05	1.27E-03	1.27E-03	1.17E-03	3.94E-03	1.96E-03	1.96E-03	0.00E+00	7.51E-05	9.47E-04	2.81E-04	3.52E-04	4.60E-04
6.59E-04	6.59E-04	5.59E-05	1.46E-03	1.46E-03	2.27E-04	4.79E-04	5.37E-04	5.37E-04	4.55E-05	1.20E-03	1.20E-03	1.09E-03	3.59E-03	1.83E-03	1.82E-03	0.00E+00	7.00E-05	8.84E-04	2.73E-04	3.42E-04	4.48E-04
6.20E-04	6.20E-04	5.26E-05	1.38E-03	1.37E-03	2.14E-04	4.52E-04	5.07E-04	5.07E-04	4.30E-05	1.13E-03	1.13E-03	1.02E-03	3.25E-03	1.71E-03	1.70E-03	0.00E+00	6.54E-05	8.26E-04	2.65E-04	3.32E-04	4.38E-04
5.21E-04	5.21E-04	4.42E-05	1.16E-03	1.16E-03	1.82E-04	3.84E-04	4.31E-04	4.31E-04	3.66E-05	9.60E-04	9.59E-04	8.44E-04	2.41E-03	1.41E-03	1.41E-03	0.00E+00	5.40E-05	6.82E-04	2.44E-04	3.06E-04	4.09E-04
4.93E-04	4.93E-04	4.19E-05	1.09E-03	1.09E-03	1.73E-04	3.65E-04	4.10E-04	4.10E-04	3.48E-05	9.11E-04	9.10E-04	7.95E-04	2.19E-03	1.33E-03	1.32E-03	0.00E+00	5.08E-05	6.42E-04	2.39E-04	2.99E-04	4.00E-04
4.68E-04	4.68E-04	3.97E-05	1.04E-03	1.04E-03	1.64E-04	3.47E-04	3.90E-04	3.90E-04	3.31E-05	8.66E-04	8.65E-04	7.49E-04	2.00E-03	1.25E-03	1.25E-03	0.00E+00	4.79E-05	6.05E-04	2.33E-04	2.92E-04	3.92E-04
4.44E-04	4.44E-04	3.76E-05	9.84E-04	9.83E-04	1.56E-04	3.30E-04	3.71E-04	3.71E-04	3.15E-05	8.24E-04	8.23E-04	7.08E-04	1.83E-03	1.18E-03	1.18E-03	0.00E+00	4.52E-05	5.72E-04	2.28E-04	2.85E-04	3.84E-04
4.22E-04	4.22E-04	3.58E-05	9.34E-04	9.34E-04	1.49E-04	3.14E-04	3.53E-04	3.53E-04	3.00E-05	7.85E-04	7.84E-04	6.69E-04	1.68E-03	1.12E-03	1.11E-03	0.00E+00	4.28E-05	5.41E-04	2.23E-04	2.79E-04	3.76E-04
4.01E-04	4.01E-04	3.40E-05	8.89E-04	8.88E-04	1.42E-04	3.00E-04	3.37E-04	3.37E-04	2.86E-05	7.48E-04	7.48E-04	6.34E-04	1.54E-03	1.06E-03	1.05E-03	0.00E+00	4.05E-05	5.12E-04	2.18E-04	2.73E-04	3.68E-04
1.02E-03	1.02E-03	8.61E-05	2.25E-03	2.25E-03	3.55E-04	7.49E-04	8.38E-04	8.38E-04	7.11E-05	1.87E-03	1.87E-03	1.81E-03	3.65E-03	3.03E-03	3.02E-03	0.00E+00	1.16E-04	1.46E-03	3.70E-04	4.64E-04	5.89E-04
9.44E-04	9.44E-04	8.01E-05	2.09E-03	2.09E-03	3.30E-04	6.98E-04	7.82E-04	7.82E-04	6.63E-05	1.74E-03	1.74E-03	1.66E-03	3.57E-03	2.79E-03	2.78E-03	0.00E+00	1.07E-04	1.34E-03	3.57E-04	4.47E-04	5.69E-04
8.80E-04	8.80E-04	7.46E-05	1.95E-03	1.95E-03	3.09E-04	6.52E-04	7.31E-04	7.31E-04	6.20E-05	1.63E-03	1.63E-03	1.53E-03	3.56E-03	2.57E-03	2.56E-03	0.00E+00	9.84E-05	1.24E-03	3.44E-04	4.31E-04	5.52E-04
8.22E-04	8.22E-04	6.97E-05	1.82E-03	1.82E-03	2.89E-04	6.11E-04	6.85E-04	6.85E-04	5.81E-05	1.53E-03	1.52E-03	1.42E-03	3.56E-03	2.38E-03	2.37E-03	0.00E+00	9.10E-05	1.15E-03	3.32E-04	4.16E-04	5.36E-04
7.69E-04	7.69E-04	6.53E-05	1.71E-03	1.70E-03	2.71E-04	5.73E-04	6.43E-04	6.43E-04	5.45E-05	1.43E-03	1.43E-03	1.32E-03	3.46E-03	2.20E-03	2.20E-03	0.00E+00	8.44E-05	1.06E-03	3.21E-04	4.03E-04	5.22E-04
7.22E-04	7.22E-04	6.12E-05	1.60E-03	1.60E-03	2.55E-04	5.39E-04	6.05E-04	6.05E-04	5.13E-05	1.35E-03	1.34E-03	1.22E-03	3.30E-03	2.05E-03	2.04E-03	0.00E+00	7.85E-05	9.89E-04	3.11E-04	3.90E-04	5.08E-04
6.78E-04	6.78E-04	5.75E-05	1.50E-03	1.50E-03	2.40E-04	5.07E-04	5.69E-04	5.69E-04	4.83E-05	1.27E-03	1.27E-03	1.14E-03	3.09E-03	1.91E-03	1.90E-03	0.00E+00	7.31E-05	9.22E-04	3.02E-04	3.78E-04	4.96E-04
6.38E-04	6.38E-04	5.41E-05	1.41E-03	1.41E-03	2.26E-04	4.78E-04	5.37E-04	5.37E-04	4.56E-05	1.19E-03	1.19E-03	1.07E-03	2.87E-03	1.78E-03	1.78E-03	0.00E+00	6.83E-05	8.61E-04	2.93E-04	3.67E-04	4.84E-04
5.36E-04	5.36E-04	4.55E-05	1.19E-03	1.19E-03	1.91E-04	4.05E-04	4.55E-04	4.55E-04	3.86E-05	1.01E-03	1.01E-03	8.79E-04	2.25E-03	1.47E-03	1.46E-03	0.00E+00	5.62E-05	7.10E-04	2.71E-04	3.39E-04	4.52E-04
5.07E-04	5.07E-04	4.31E-05	1.12E-03	1.12E-03	1.82E-04	3.84E-04	4.32E-04	4.32E-04	3.66E-05	9.58E-04	9.57E-04	8.27E-04	2.07E-03	1.38E-03	1.38E-03	0.00E+00	5.29E-05	6.68E-04	2.64E-04	3.31E-04	4.43E-04
4.81E-04	4.81E-04	4.08E-05	1.06E-03	1.06E-03	1.72E-04	3.64E-04	4.10E-04	4.10E-04	3.48E-05	9.10E-04	9.09E-04	7.79E-04	1.91E-03	1.30E-03	1.30E-03	0.00E+00	4.98E-05	6.29E-04	2.58E-04	3.23E-04	4.33E-04
4.56E-04	4.56E-04	3.87E-05	1.01E-03	1.01E-03	1.64E-04	3.46E-04	3.90E-04	3.90E-04	3.31E-05	8.65E-04	8.64E-04	7.35E-04	1.76E-03	1.23E-03	1.22E-03	0.00E+00	4.70E-05	5.94E-04	2.52E-04	3.16E-04	4.23E-04
4.33E-04	4.33E-04	3.68E-05	9.59E-04	9.58E-04	1.56E-04	3.29E-04	3.71E-04	3.71E-04	3.15E-05	8.23E-04	8.22E-04	6.95E-04	1.63E-03	1.16E-03	1.16E-03	0.00E+00	4.44E-05	5.61E-04	2.46E-04	3.08E-04	4.14E-04
4.12E-04	4.12E-04	3.50E-05	9.12E-04	9.12E-04	1.49E-04	3.14E-04	3.54E-04	3.54E-04	3.00E-05	7.84E-04	7.83E-04	6.58E-04	1.51E-03	1.10E-03	1.10E-03	0.00E+00	4.21E-05	5.31E-04	2.41E-04	3.01E-04	4.05E-04
1.03E-03	1.03E-03	8.77E-05	2.28E-03	2.28E-03	3.76E-04	7.95E-04	8.91E-04	8.91E-04	7.56E-05	1.99E-03	1.98E-03	1.87E-03	3.10E-03	3.14E-03	3.13E-03	0.00E+00	1.20E-04	1.51E-03	4.13E-04	5.17E-04	6.53E-04
9.62E-04	9.62E-04	8.16E-05	2.13E-03	2.12E-03	3.50E-04	7.39E-04	8.30E-04	8.30E-04	7.04E-05	1.85E-03	1.85E-03	1.72E-03	2.98E-03	2.89E-03	2.88E-03	0.00E+00	1.11E-04	1.39E-03	3.98E-04	4.98E-04	6.32E-04
8.97E-04	8.97E-04	7.61E-05	1.98E-03	1.98E-03	3.26E-04	6.90E-04	7.74E-04	7.74E-04	6.57E-05	1.72E-03	1.72E-03	1.59E-03	2.93E-03	2.66E-03	2.66E-03	0.00E+00	1.02E-04	1.28E-03	3.83E-04	4.80E-04	6.14E-04
8.38E-04	8.38E-04	7.11E-05	1.85E-03	1.85E-03	3.05E-04	6.45E-04	7.24E-04	7.24E-04	6.14E-05	1.61E-03	1.61E-03	1.47E-03	2.90E-03	2.46E-03	2.46E-03	0.00E+00	9.43E-05	1.19E-03	3.70E-04	4.64E-04	5.97E-04
7.85E-04	7.85E-04	6.66E-05	1.74E-03	1.73E-03	2.86E-04	6.04E-04	6.79E-04	6.79E-04	5.76E-05	1.51E-03	1.51E-03	1.36E-03	2.86E-03	2.28E-03	2.28E-03	0.00E+00	8.74E-05	1.10E-03	3.58E-04	4.49E-04	5.81E-04
7.36E-04	7.36E-04	6.25E-05	1.63E-03	1.63E-03	2.68E-04	5.67E-04	6.38E-04	6.38E-04	5.41E-05	1.42E-03	1.42E-03	1.27E-03	2.79E-03	2.12E-03	2.12E-03	0.00E+00	8.13E-05	1.02E-03	3.47E-04	4.35E-04	5.67E-04
6.92E-04	6.92E-04	5.87E-05	1.53E-03	1.53E-03	2.52E-04	5.33E-04	6.00E-04	6.00E-04	5.09E-05	1.33E-03	1.33E-03	1.18E-03	2.67E-03	1.98E-03	1.97E-03	0.00E+00	7.57E-05	9.53E-04	3.36E-04	4.22E-04	5.53E-04
6.52E-04	6.52E-04	5.53E-05	1.44E-03	1.44E-03	2.38E-04	5.02E-04	5.65E-04	5.65E-04	4.80E-05	1.26E-03	1.25E-03	1.10E-03	2.53E-03	1.84E-03	1.84E-03	0.00E+00	7.07E-05	8.90E-04	3.27E-04	4.10E-04	5.40E-04
5.48E-04	5.48E-04	4.65E-05	1.21E-03	1.21E-03	2.01E-04	4.24E-04	4.77E-04	4.77E-04	4.05E-05	1.06E-03	1.06E-03	9.08E-04	2.08E-03	1.52E-03	1.52E-03	0.00E+00	5.82E-05	7.33E-04	3.02E-04	3.78E-04	5.03E-04
5.19E-04	5.19E-04	4.40E-05	1.15E-03	1.15E-03	1.90E-04	4.01E-04	4.52E-04	4.52E-04	3.84E-05	1.00E-03	1.00E-03	8.54E-04	1.94E-03	1.43E-03	1.42E-03	0.00E+00	5.47E-05	6.90E-04	2.94E-04	3.69E-04	4.92E-04
4.92E-04	4.92E-04	4.17E-05	1.09E-03	1.09E-03	1.80E-04	3.81E-04	4.29E-04	4.29E-04	3.64E-05	9.51E-04	9.50E-04	8.05E-04	1.81E-03	1.34E-03	1.34E-03	0.00E+00	5.15E-05	6.50E-04	2.87E-04	3.60E-04	4.81E-04
4.67E-04	4.67E-04	3.96E-05	1.03E-03	1.03E-03	1.71E-04	3.62E-04	4.08E-04	4.08E-04	3.46E-05	9.03E-04	9.03E-04	7.59E-04	1.68E-03	1.27E-03	1.27E-03	0.00E+00	4.86E-05	6.13E-04	2.80E-04	3.51E-04	4.69E-04
4.43E-04	4.43E-04	3.76E-05	9.80E-04	9.79E-04	1.63E-04	3.44E-04	3.88E-04	3.88E-04	3.29E-05	8.59E-04	8.58E-04	7.17E-04	1.57E-03	1.20E-03	1.20E-03	0.00E+00	4.59E-05	5.80E-04	2.74E-04	3.43E-04	4.58E-04
4.22E-04	4.22E-04	3.58E-05	9.32E-04	9.31E-04	1.55E-04	3.27E-04	3.69E-04	3.69E-04	3.13E-05	8.18E-04	8.17E-04	6.79E-04	1.46E-03	1.13E-03	1.13E-03	0.00E+00	4.35E-05	5.49E-04	2.67E-04	3.35E-04	4.48E-04
1.04E-03	1.04E-03	8.84E-05	2.30E-03	2.29E-03	3.95E-04	8.35E-04	9.39E-04	9.39E-04	7.96E-05	2.09E-03	2.08E-03	1.91E-03	2.77E-03	3.21E-03	3.21E-03	0.00E+00	1.23E-04	1.54E-03	4.64E-04	5.82E-04	7.32E-04
9.70E-04	9.70E-04	8.23E-05	2.14E-03	2.14E-03	3.67E-04	7.76E-04	8.73E-04	8.73E-04	7.40E-05	1.94E-03	1.94E-03	1.76E-03	2.66E-03	2.96E-03	2.95E-03	0.00E+00	1.13E-04	1.42E-03	4.47

38	38	10	11	11	39	39	39	39	11	12	12	40	40	40	40	12	13	13	41	41	41
P8Building Construction	P8Architectural Coating	P8Paving	P6Demolition	P6Grading	P6Building Construction	P6Building Construction	P6Building Construction	P6Architectural Coating	P6Paving	P7Demolition	P7Grading	P7Building Construction	P7Building Construction	P7Building Construction	P7Architectural Coating	P7Paving	P5Demolition	P5Grading	P5Building Construction	P5Building Construction	P5Building Construction
2033	2033	2033	2030	2030	2030	2031	0	2031	2031	2030	2030	2030	2031	0	2031	2031	2028	2028	2028	2029	0
4.19E-04	1.46E-05	2.09E-04	2.37E-04	5.00E-04	5.62E-04	5.62E-04	0.00E+00	4.77E-05	1.24E-03	1.77E-04	3.74E-04	4.22E-04	4.22E-04	0.00E+00	3.58E-05	9.32E-04	8.23E-04	2.31E-03	1.15E-03	1.15E-03	0.00E+00
4.04E-04	1.41E-05	2.01E-04	2.23E-04	4.71E-04	5.31E-04	5.31E-04	0.00E+00	4.50E-05	1.17E-03	1.68E-04	3.56E-04	4.01E-04	4.01E-04	0.00E+00	3.40E-05	8.86E-04	7.32E-04	2.06E-03	1.07E-03	1.07E-03	0.00E+00
3.90E-04	1.36E-05	1.94E-04	2.11E-04	4.45E-04	5.02E-04	5.02E-04	0.00E+00	4.26E-05	1.11E-03	1.60E-04	3.39E-04	3.82E-04	3.82E-04	0.00E+00	3.24E-05	8.44E-04	6.56E-04	1.85E-03	9.91E-04	9.91E-04	0.00E+00
3.78E-04	1.32E-05	1.88E-04	1.99E-04	4.21E-04	4.75E-04	4.75E-04	0.00E+00	4.03E-05	1.05E-03	1.53E-04	3.23E-04	3.64E-04	3.64E-04	0.00E+00	3.09E-05	8.04E-04	5.93E-04	1.67E-03	9.21E-04	9.21E-04	0.00E+00
3.66E-04	1.28E-05	1.81E-04	1.89E-04	3.99E-04	4.50E-04	4.50E-04	0.00E+00	3.82E-05	9.94E-04	1.46E-04	3.08E-04	3.48E-04	3.48E-04	0.00E+00	2.95E-05	7.67E-04	5.38E-04	1.51E-03	8.57E-04	8.57E-04	0.00E+00
3.55E-04	1.24E-05	1.75E-04	1.79E-04	3.79E-04	4.27E-04	4.27E-04	0.00E+00	3.62E-05	9.43E-04	1.39E-04	2.94E-04	3.32E-04	3.32E-04	0.00E+00	2.82E-05	7.32E-04	4.92E-04	1.38E-03	7.99E-04	7.99E-04	0.00E+00
2.93E-04	1.03E-05	1.41E-04	1.22E-04	2.58E-04	2.92E-04	2.92E-04	0.00E+00	2.48E-05	6.44E-04	9.89E-05	2.09E-04	2.37E-04	2.37E-04	0.00E+00	2.01E-05	5.21E-04	2.70E-04	7.58E-04	4.86E-04	4.86E-04	0.00E+00
2.88E-04	1.00E-05	1.37E-04	1.17E-04	2.47E-04	2.80E-04	2.80E-04	0.00E+00	2.37E-05	6.16E-04	9.51E-05	2.01E-04	2.28E-04	2.28E-04	0.00E+00	1.93E-05	5.01E-04	2.53E-04	7.12E-04	4.60E-04	4.60E-04	0.00E+00
2.82E-04	9.85E-06	1.34E-04	1.12E-04	2.37E-04	2.68E-04	2.68E-04	0.00E+00	2.27E-05	5.91E-04	9.15E-05	1.93E-04	2.19E-04	2.19E-04	0.00E+00	1.86E-05	4.82E-04	2.38E-04	6.69E-04	4.36E-04	4.36E-04	0.00E+00
4.51E-04	1.58E-05	2.26E-04	2.48E-04	5.24E-04	5.91E-04	5.91E-04	0.00E+00	5.01E-05	1.31E-03	1.91E-04	4.03E-04	4.55E-04	4.55E-04	0.00E+00	3.86E-05	1.00E-03	9.39E-04	2.64E-03	1.35E-03	1.35E-03	0.00E+00
4.36E-04	1.52E-05	2.18E-04	2.34E-04	4.94E-04	5.57E-04	5.57E-04	0.00E+00	4.73E-05	1.23E-03	1.81E-04	3.83E-04	4.32E-04	4.32E-04	0.00E+00	3.66E-05	9.53E-04	8.29E-04	2.33E-03	1.24E-03	1.24E-03	0.00E+00
4.21E-04	1.47E-05	2.10E-04	2.21E-04	4.66E-04	5.26E-04	5.26E-04	0.00E+00	4.46E-05	1.16E-03	1.72E-04	3.64E-04	4.11E-04	4.11E-04	0.00E+00	3.48E-05	9.05E-04	7.39E-04	2.08E-03	1.14E-03	1.14E-03	0.00E+00
4.08E-04	1.42E-05	2.03E-04	2.09E-04	4.41E-04	4.97E-04	4.97E-04	0.00E+00	4.22E-05	1.10E-03	1.64E-04	3.46E-04	3.91E-04	3.91E-04	0.00E+00	3.31E-05	8.61E-04	6.64E-04	1.87E-03	1.05E-03	1.05E-03	0.00E+00
3.96E-04	1.38E-05	1.96E-04	1.97E-04	4.17E-04	4.71E-04	4.71E-04	0.00E+00	3.99E-05	1.04E-03	1.56E-04	3.29E-04	3.72E-04	3.72E-04	0.00E+00	3.15E-05	8.20E-04	6.00E-04	1.69E-03	9.71E-04	9.71E-04	0.00E+00
3.84E-04	1.34E-05	1.90E-04	1.87E-04	3.95E-04	4.46E-04	4.46E-04	0.00E+00	3.79E-05	9.85E-04	1.48E-04	3.14E-04	3.55E-04	3.55E-04	0.00E+00	3.01E-05	7.81E-04	5.45E-04	1.53E-03	9.00E-04	9.00E-04	0.00E+00
3.74E-04	1.31E-05	1.84E-04	1.78E-04	3.75E-04	4.24E-04	4.24E-04	0.00E+00	3.59E-05	9.35E-04	1.42E-04	2.99E-04	3.38E-04	3.38E-04	0.00E+00	2.87E-05	7.45E-04	4.98E-04	1.40E-03	8.37E-04	8.37E-04	0.00E+00
3.65E-04	1.27E-05	1.79E-04	1.69E-04	3.57E-04	4.03E-04	4.03E-04	0.00E+00	3.42E-05	8.88E-04	1.35E-04	2.86E-04	3.23E-04	3.23E-04	0.00E+00	2.74E-05	7.12E-04	4.57E-04	1.28E-03	7.79E-04	7.79E-04	0.00E+00
3.19E-04	1.11E-05	1.53E-04	1.27E-04	2.68E-04	3.03E-04	3.03E-04	0.00E+00	2.57E-05	6.68E-04	1.04E-04	2.20E-04	2.50E-04	2.50E-04	0.00E+00	2.12E-05	5.49E-04	2.91E-04	8.19E-04	5.30E-04	5.30E-04	0.00E+00
3.13E-04	1.09E-05	1.49E-04	1.22E-04	2.57E-04	2.90E-04	2.90E-04	0.00E+00	2.46E-05	6.40E-04	1.00E-04	2.12E-04	2.40E-04	2.40E-04	0.00E+00	2.04E-05	5.27E-04	2.73E-04	7.67E-04	5.00E-04	5.00E-04	0.00E+00
3.07E-04	1.07E-05	1.46E-04	1.16E-04	2.46E-04	2.78E-04	2.78E-04	0.00E+00	2.36E-05	6.13E-04	9.63E-05	2.03E-04	2.31E-04	2.31E-04	0.00E+00	1.96E-05	5.07E-04	2.56E-04	7.20E-04	4.72E-04	4.72E-04	0.00E+00
4.89E-04	1.71E-05	2.47E-04	2.58E-04	5.46E-04	6.17E-04	6.17E-04	0.00E+00	5.23E-05	1.36E-03	2.05E-04	4.32E-04	4.88E-04	4.88E-04	0.00E+00	4.14E-05	1.08E-03	1.04E-03	2.93E-03	1.55E-03	1.55E-03	0.00E+00
4.72E-04	1.65E-05	2.38E-04	2.43E-04	5.14E-04	5.81E-04	5.81E-04	0.00E+00	4.93E-05	1.28E-03	1.94E-04	4.09E-04	4.63E-04	4.63E-04	0.00E+00	3.92E-05	1.02E-03	9.17E-04	2.58E-03	1.41E-03	1.41E-03	0.00E+00
4.57E-04	1.60E-05	2.29E-04	2.30E-04	4.85E-04	5.48E-04	5.48E-04	0.00E+00	4.65E-05	1.21E-03	1.84E-04	3.88E-04	4.39E-04	4.39E-04	0.00E+00	3.72E-05	9.67E-04	8.15E-04	2.29E-03	1.29E-03	1.29E-03	0.00E+00
4.43E-04	1.55E-05	2.21E-04	2.17E-04	4.58E-04	5.18E-04	5.18E-04	0.00E+00	4.39E-05	1.14E-03	1.74E-04	3.68E-04	4.17E-04	4.17E-04	0.00E+00	3.53E-05	9.18E-04	7.29E-04	2.05E-03	1.18E-03	1.18E-03	0.00E+00
4.30E-04	1.50E-05	2.14E-04	2.05E-04	4.34E-04	4.90E-04	4.90E-04	0.00E+00	4.16E-05	1.08E-03	1.66E-04	3.50E-04	3.96E-04	3.96E-04	0.00E+00	3.36E-05	8.72E-04	6.57E-04	1.85E-03	1.09E-03	1.09E-03	0.00E+00
4.19E-04	1.46E-05	2.07E-04	1.94E-04	4.11E-04	4.64E-04	4.64E-04	0.00E+00	3.94E-05	1.02E-03	1.58E-04	3.33E-04	3.77E-04	3.77E-04	0.00E+00	3.20E-05	8.30E-04	5.95E-04	1.67E-03	1.00E-03	1.00E-03	0.00E+00
4.08E-04	1.42E-05	2.01E-04	1.84E-04	3.90E-04	4.41E-04	4.41E-04	0.00E+00	3.74E-05	9.70E-04	1.50E-04	3.17E-04	3.59E-04	3.59E-04	0.00E+00	3.05E-05	7.90E-04	5.42E-04	1.53E-03	9.28E-04	9.28E-04	0.00E+00
3.98E-04	1.39E-05	1.95E-04	1.75E-04	3.70E-04	4.18E-04	4.18E-04	0.00E+00	3.55E-05	9.21E-04	1.43E-04	3.03E-04	3.42E-04	3.42E-04	0.00E+00	2.91E-05	7.54E-04	4.96E-04	1.40E-03	8.60E-04	8.60E-04	0.00E+00
3.71E-04	1.30E-05	1.80E-04	1.51E-04	3.19E-04	3.61E-04	3.61E-04	0.00E+00	3.06E-05	7.95E-04	1.25E-04	2.64E-04	2.99E-04	2.99E-04	0.00E+00	2.54E-05	6.57E-04	3.88E-04	1.09E-03	6.96E-04	6.96E-04	0.00E+00
3.63E-04	1.27E-05	1.75E-04	1.44E-04	3.04E-04	3.44E-04	3.44E-04	0.00E+00	2.92E-05	7.58E-04	1.19E-04	2.52E-04	2.86E-04	2.86E-04	0.00E+00	2.43E-05	6.29E-04	3.60E-04	1.01E-03	6.51E-04	6.51E-04	0.00E+00
3.56E-04	1.24E-05	1.71E-04	1.37E-04	2.91E-04	3.29E-04	3.29E-04	0.00E+00	2.79E-05	7.24E-04	1.14E-04	2.42E-04	2.74E-04	2.74E-04	0.00E+00	2.32E-05	6.02E-04	3.35E-04	9.42E-04	6.10E-04	6.10E-04	0.00E+00
3.49E-04	1.22E-05	1.67E-04	1.31E-04	2.78E-04	3.14E-04	3.14E-04	0.00E+00	2.67E-05	6.92E-04	1.10E-04	2.32E-04	2.63E-04	2.63E-04	0.00E+00	2.23E-05	5.77E-04	3.12E-04	8.78E-04	5.73E-04	5.73E-04	0.00E+00
3.42E-04	1.19E-05	1.63E-04	1.26E-04	2.66E-04	3.01E-04	3.01E-04	0.00E+00	2.55E-05	6.62E-04	1.05E-04	2.22E-04	2.52E-04	2.52E-04	0.00E+00	2.14E-05	5.54E-04	2.92E-04	8.20E-04	5.39E-04	5.39E-04	0.00E+00
3.35E-04	1.17E-05	1.60E-04	1.20E-04	2.54E-04	2.88E-04	2.88E-04	0.00E+00	2.44E-05	6.33E-04	1.01E-04	2.14E-04	2.42E-04	2.42E-04	0.00E+00	2.05E-05	5.32E-04	2.73E-04	7.68E-04	5.08E-04	5.08E-04	0.00E+00
5.34E-04	1.87E-05	2.71E-04	2.67E-04	5.65E-04	6.39E-04	6.39E-04	0.00E+00	5.42E-05	1.41E-03	2.18E-04	4.61E-04	5.21E-04	5.21E-04	0.00E+00	4.42E-05	1.15E-03	1.12E-03	3.16E-03	1.76E-03	1.76E-03	0.00E+00
5.16E-04	1.80E-05	2.61E-04	2.52E-04	5.32E-04	6.02E-04	6.02E-04	0.00E+00	5.11E-05	1.32E-03	2.06E-04	4.36E-04	4.93E-04	4.93E-04	0.00E+00	4.18E-05	1.08E-03	9.89E-04	2.78E-03	1.59E-03	1.59E-03	0.00E+00
5.00E-04	1.75E-05	2.51E-04	2.37E-04	5.02E-04	5.68E-04	5.68E-04	0.00E+00	4.82E-05	1.25E-03	1.95E-04	4.12E-04	4.66E-04	4.66E-04	0.00E+00	3.96E-05	1.03E-03	8.78E-04	2.47E-03	1.44E-03	1.44E-03	0.00E+00
4.85E-04	1.69E-05	2.43E-04	2.24E-04	4.74E-04	5.36E-04	5.36E-04	0.00E+00	4.55E-05	1.18E-03	1.85E-04	3.91E-04	4.42E-04	4.42E-04	0.00E+00	3.75E-05	9.73E-04	7.86E-04	2.21E-03	1.32E-03	1.32E-03	0.00E+00
4.71E-04	1.65E-05	2.35E-04	2.12E-04	4.48E-04	5.07E-04	5.07E-04	0.00E+00	4.30E-05	1.12E-03	1.75E-04	3.71E-04	4.20E-04	4.20E-04	0.00E+00	3.56E-05	9.23E-04	7.07E-04	1.99E-03	1.20E-03	1.20E-03	0.00E+00
4.59E-04	1.60E-05	2.27E-04	2.01E-04	4.24E-04	4.80E-04	4.80E-04	0.00E+00	4.08E-05	1.06E-03	1.67E-04	3.52E-04	3.99E-04	3.99E-04	0.00E+00	3.38E-05	8.77E-04	6.40E-04	1.80E-03	1.11E-03	1.11E-03	0.00E+00
4.48E-04	1.56E-05	2.20E-04	1.90E-04	4.02E-04	4.56E-04	4.56E-04	0.00E+00	3.86E-05	1.00E-03	1.59E-04	3.35E-04	3.79E-04	3.79E-04	0.00E+00	3.22E-05	8.35E-04	5.82E-04	1.64E-03	1.02E-03	1.02E-03	0.00E+00
4.37E-04	1.53E-05	2.14E-04	1.81E-04	3.82E-04	4.33E-04	4.33E-04	0.00E+00	3.67E-05	9.51E-04	1.51E-04	3.19E-04	3.61E-04	3.61E-04	0.00E+00	3.07E-05	7.95E-04	5.31E-04	1.50E-03	9.41E-04	9.41E-04	0.00E+00
4.08E-04	1.43E-05	1.97E-04	1.56E-04	3.29E-04	3.73E-04	3.73E-04	0.00E+00	3.16E-05	8.20E-04	1.31E-04	2.77E-04	3.14E-04	3.14E-04	0.00E+00	2.67E-05	6.91E-04	4.14E-04	1.16E-03	7.54E-04	7.54E-04	0.00E+00
4.00E-04	1.40E-05	1.93E-04	1.48E-04	3.14E-04	3.56E-04	3.56E-04	0.00E+00	3.02E-05	7.82E-04	1.25E-04	2.65E-04	3.00E-04	3.00E-04	0.00E+00	2.55E-05	6.60E-04	3.83E-04	1.08E-03	7.03E-04	7.03E-04	0.00E+00
3.91E-04	1.37E-05	1.88E-04	1.42E-04	3.00E-04	3.39E-04	3.39E-04	0.00E+00	2.88E-05	7.46E-04	1.20E-04	2.54E-04	2.88E-04	2.88E-04	0.00E+00	2.44E-05	6.32E-04	3.56E-04	1.00E-03	6.57E-04	6.57E-04	0.00E+00
3.83E-04	1.34E-05	1.84E-04	1.35E-04	2.86E-04	3.24E-04	3.24E-04	0.00E+00	2.75E-05	7.13E-04	1.15E-04	2.43E-04	2.75E-04	2.75E-04	0.00E+00	2.34E-05	6.05E-04	3.31E-04	9.33E-04	6.16E-04	6.16E-04	0.00E+00
3.75E-04	1.31E-05	1.80E-04	1.29E-04	2.74E-04	3.10E-04	3.10E-04	0.00E+00	2.63E-05	6.82E-04	1.10E-04	2.33E-04	2.64E-04	2.64E-04	0.00E+00	2.24E-05	5.80E-04	3.09E-04	8.70E-04	5.78E-04	5.78E-04	0.00E+00
3.67E-04	1.28E-05	1.76E-04	1.24E-04	2.62E-04	2.97E-04	2.97E-04	0.00E+00	2.52E-05	6.52E-04	1.06E-04	2.23E-04	2.53E-04	2.53E-04	0.00E+00	2.15E-05	5.56E-04	2.89E-04	8.14E-04	5.44E-04	5.44E-04	0.00E+00
5.87E-04	2.05E-05	2.99E-04	2.75E-04	5.80E-04	6.58E-04	6.58E-04	0.00E+00	5.58E-05	1.44E-03	2.31E-04	4.88E-04	5.52E-04	5.52E-04	0.00E+00	4.68E-05	1.22E-03	1.18E-03	3.32E-03	1.95E-03	1.95E-03	0.00E+00
5.68E-04	1.98E-05	2.88E-04	2.58E-04	5.46E-04	6.19E-04	6.19E-04	0.00E+00	5.25E-05	1.36E-03	2.18E-04	4.60E-04	5.21E-04	5.21E-04	0.00E+00	4.42E-05	1.15E-03	1.04E-03	2.93E-03	1.76E-03	1.76E-03	0.00E+00
5.51E-04	1.92E-05	2.78E-04	2.44E-04	5.15E-04	5.84E-04	5.84E-04	0.00E+00	4.95E-05	1.28E-03	2.06E-04	4.35E-04	4.93E-04	4.93E-04	0.00E+00	4.18E-05	1.08E-03	9.28E-04	2.61E-03	1.59E-03	1.59E-03	0.00E+00
5.35E-04	1.87E-05	2.68E-04	2.30E-04	4.86E-04	5.52E-04	5.52E-04	0.00E+00	4.68E-05	1.21E-03	1.95E-04	4.12E-04	4.66E-04	4.66E-04	0.00E+00	3.96E-05	1.03E-03	8.31E-04	2.34E-03	1.44E-03	1.44E-03	0.00E+00
5.21E-04	1.82E-05	2.59E-04	2.18E-04	4.60E-04	5.22E-04	5.22E-04	0.00E+00	4.43E-05	1.15E-03	1.85E-04	3.90E-04	4.42E-04	4.42E-04	0.00E+00	3.75E-05	9.72E-04	7.48E-04	2.10E-03	1.31E-03	1.31E-03	0.00E+00
5.07E-04	1.77E-05	2.51E-04	2.06E-04	4.36E-04	4.94E-04	4.94E-04	0.00E+00	4.19E-05	1.09E-03	1.75E-04	3.71E-04	4.20E-04	4.20E-04	0.00E+00	3.56E-05	9.23E-04	6.77E-04	1.90E-03	1.20E-03	1.20E-03	0.00E+00
4.95E-04	1.73E-05	2.44E-04	1.96E-04	4.13E-04	4.69E-04	4.69E-04	0.00E+00	3.98E-05	1.03E-03	1.67E-04	3.52E-04	3.99E-04	3.99E-04	0.00E+00	3.39E-05	8.77E-04	6.15E-04	1.73E-03	1.10E-03	1.10E-03	0.00E+00
4.83E-04	1.69E-05	2.37E-04	1.86E-04	3.92E-04	4.45E-04	4.45E-04	0.00E+00	3.77E-05	9.77E-04	1.59E-04	3.35E-04	3.80E-04	3.80E-04	0.00E+00	3.22E-05	8.35E-04	5.62E-04	1.58E-03	1.02E-03	1.02E-03	0.00E+00
4.52E-04	1.58E-05	2.19E-04	1.60E-04	3.38E-04	3.83E-04	3.83E-04	0.00E+00	3.25E-05	8.42E-04	1.37E-04	2.90E-04	3.29E-04	3.29E-04	0.00E+00	2.79E-05	7.23E-04	4.37E-04	1.23E-03	8.09E-04	8.09E-04	0.00E+00
4.42E-04	1.54E-05	2.13E-04	1.52E-04	3.22E-04	3.65E-04	3.65E-04	0.00E+00	3.10E-05	8.03E-04	1.31E-04	2.77E-04	3.15E-04	3.15E-04	0.00E+00	2.67E-05	6.91E-04	4.04E-04	1.14E-03	7.53E-04	7.53E-04	0.00E+00
4.32E-04	1.51E-05	2.08E-04	1.46E-04	3.08E-04	3.49E-04	3.49E-04	0.00E+00	2.96E-05	7.66E-04	1.25E-04	2.65E-04	3.01E-04	3.01E-04	0.00E+00	2.55E-05	6.60E-04	3.75E-04	1.06E-03	7.02E-04	7.02E-04	0.00E+00
4.23E-04	1.48E-05	2.03E-04	1.39E-04	2.94E-04	3.33E-04	3.33E-04	0.00E+00	2.83E-05	7.32E-04	1.20E-04	2.54E-04	2.88E-04	2.88E-04	0.00E+00	2.44E-05	6.32E-04	3.49E-04	9.82E-04	6.57E-04	6.57E-04	0.00E+00
4.13E-04	1.44E-05	1.99E-04	1.33E-04	2.81E-04	3.19E-04	3.19E-04	0.00E+00	2.70E-05	7.00E-04	1.15E-04	2.43E-04	2.76E-04	2.76E-04	0.00E+00	2.34E-05	6.05E-04	3.25E-04	9.15E-04	6.15E-04	6.15E-04	0.00E+00
4.04E-04	1.41E-05	1.94E-04	1.27E-04	2.69E-04	3.05E-04	3.05E-04	0.00E+00	2.59E-05	6.70E-04	1.10E-04	2.33E-04	2.64E-04	2.64E-04	0.00E+00	2.24E-05	5.80E-04	3.04E-04	8.56E-04	5.78E-04	5.78E-04	0.00E+00
6.52E-04	2.28E-05	3.33E-04	2.80E-04	5.92E-04	6.72E-04	6.72E-04	0.00E+00	5.70E-05	1.47E-03	2.43E-04	5.13E-04	5.82E-04	5.82E-04	0.00E+00	4.93E-05	1.28E-03	1.21E-03	3.41E-03	2.13E-03	2.13E-03	0.00E+00
6.31E-04	2.20E-05	3.21E-04	2.64E-04	5.57E-04	6.33E-04	6.33E-04	0.00E+00	5.37E-05	1.39E-03	2.29E-04	4.84E-04	5.48E-04	5.48E-04	0.00E+00	4.65E-05	1.21E-03	1.08E-03	3.03E-03	1.91E-03	1.91E-03	0.00E+00
6.12E-04	2.14E-05	3.10E-04	2.49E-04	5.26E-04	5.97E-04	5.97E-04	0.00E+00	5.07E-05	1.31E-03	2.16E-04	4.57E-04	5.18E-04	5.18E-04	0.00E+00	4.39E-05	1.14E-03	9.61E-04	2.70E-03	1.72E-03	1.72E-03	0.00E+00
5.96E-04	2.08E-05	2.99E-04	2.35E-04	4.97E-04	5.64E-04	5.64E-04	0.00E+00	4.79E-05	1.24E-03	2.04E-04	4.32E-04	4.90E-04	4.90E-04	0.00E+00	4.15E-05	1.08E-03	8.63E-04	2.43E-03	1.56E-03	1.56E-03	0.00E+00
5.80E-04	2.03E-05	2.89E-04	2.22E-04	4.70E-04	5.34E-04	5.34E-04	0.00E+00	4.53E-05	1.17E-03	1.94E-04	4.09E-04	4.64E-04	4.64E-04	0.00E+00	3.93E-05	1.02E-03	7.78E-04	2.19E-03	1.41E-03	1.41E-03	0.00E+00
5.65E-04	1.98E-05	2.80E-04	2.11E-04	4.45E-04	5.05E-04	5.05E-04	0.00E+00	4.29E-05	1.11E-03	1.84E-04	3.88E-04	4.40E-04	4.40E-04	0.00E+00	3.73E-05	9.66E-04	7.05E-04	1.98E-03	1.29E-03	1.29E-03	0.00E+00
5.52E-04	1.93E-05	2.72E-04	2.00E-04	4.22E-04	4.79E-04	4.79E-04	0.00E+00	4.07E-05	1.05E-03	1.74E-04	3.68E-04	4.18E-04	4.18E-04	0.00E+00	3.54E-05	9.17E-04	6.42E-04	1.81E-03	1.18E-03	1.18E-03	0.00E+00
5.39E-04	1.88E-05	2.64E-04	1.90E-04	4.01E-04	4.55E-04	4.55E-04	0.00E+00	3.86E-05	9.99E-04	1.66E-04	3.50E-04	3.97E-04	3.97E-04	0.00E+00	3.37E-05	8.72E-04	5.86E-04	1.65E-03	1.09E-03	1.09E-03	0.00E+00
5.02E-04	1.75E-05	2.44E-04	1.63E-04	3.45E-04	3.92E-04	3.92E-04	0.00E+00	3.33E-05	8.61E-04	1.43E-04	3.03E-04	3.44E-04	3.44E-04	0.00E+00	2.91E-05	7.54E-04	4.56E-04	1.28E-03	8.59E-04	8.59E-04	0.00E+00
4.91E-04	1.71E-05	2.38E-04	1.56E-04	3.29E-04	3.74E-04	3.74E-04	0.00E+00	3.17E-05	8.21E-04	1.37E-04	2.89E-04	3.28E-04	3.28E-04	0.00E+00	2.78E-05	7.20E-04	4.22E-04	1.19E-03	7.99E-04	7.99E-04	0.00E+00
4.80E-04	1.68E-05	2.32E-04	1.49E-04	3.14E-04	3.57E-04	3.57E-04	0.00E+00	3.03E-05	7.83E-04	1.31E-04	2.76E-04	3.13E-04	3.13E-04	0.00E+00	2.66E-05	6.88E-04	3.92E-04	1.10E-03	7.44E-04	7.44E-04	0.00E+00
4.68E-04	1.64E-05	2.26E-04	1.42E-04	3.00E-04	3.41E-04	3.41E-04	0.00E+00	2.89E-05	7.48E-04	1.25E-04	2.64E-04	3.00E-04	3.00E-04	0.00E+00	2.54E-05	6.57E-04	3.64E-04	1.02E-03	6.95E-04	6.95E-04	0.00E+00
4.57E-04	1.60E-05	2.21E-04	1.36E-04	2.87E-04	3.26E-04	3.26E-04	0.00E+00	2.77E-05	7.15E-04	1.20E-04	2.53E-04	2.87E-04	2.87E-04	0.00E+00	2.43E-05	6.29E-04	3.39E-04	9.55E-04	6.50E-04	6.50E-04	0.00E+00
4.47E-04	1.56E-05	2.16E-04	1.30E-04	2.75E-04	3.12E-04	3.12E-04	0.00E+00	2.65E-05	6.85E-04	1.15E-04	2.42E-04	2.75E-04	2.75E-04	0.00E+00	2.33E-05	6.03E-04	3.17E-04	8.92E-04	6.09E-04	6.09E-04	0.00E+00
7.30E-04	2.55E-05	3.75E-04	2.84E-04	5.99E-04	6.82E-04	6.82E-04	0.00E+00	5.79E-05	1.49E-03	2.54E-04	5.37E-04	6.09E-04	6.09E-04	0.00E+00	5.16E-05	1.34E-03	1.22E-03	3.44E-03	2.28E-03	2.28E-03	0.00E+00
7.08E-04	2.47E-05	3.61E-04	2.67E-04	5.65E-04	6.43E-04	6.43E-04	0.00E+00	5.45E-05	1.41E-03	2.39E-04	5.05E-04	5.73E-04	5.73E-04	0.00E+00	4.86E-05	1.26E-03	1.09E-03	3.07E-03	2

41	13	14	14	14	42	42	42	14	15	15	43	43	43	43	15	16	16	44	44	44	44
P5Architectural Coating	P5Paving	P10Demolition	P10Grading	P10Grading	P10Building Construction	P10Building Construction	P10Architectural Coating	P10Paving	P11Demolition	P11Grading	P11Building Construction	P11Building Construction	P11Building Construction	P11Architectural Coating	P11Paving	P12Demolition	P12Grading	P12Building Construction	P12Building Construction	P12Building Construction	P12Architectural Coating
2029	2029	2033	2033	0	2033	2034	2034	2034	2033	2033	2033	2034	2035	2035	2035	2035	2035	2035	2036	0	2036
1.10E-04	4.33E-03	3.89E-04	4.88E-04	0.00E+00	6.30E-04	6.29E-04	2.42E-05	3.14E-04	1.57E-04	3.31E-04	3.75E-04	3.75E-04	3.75E-04	3.18E-05	8.24E-04	3.21E-03	4.02E-03	7.07E-03	7.07E-03	0.00E+00	2.72E-04
1.02E-04	3.86E-03	3.74E-04	4.69E-04	0.00E+00	6.08E-04	6.07E-04	2.33E-05	3.03E-04	1.49E-04	3.15E-04	3.58E-04	3.58E-04	3.58E-04	3.03E-05	7.85E-04	2.84E-03	3.55E-03	6.19E-03	6.19E-03	0.00E+00	2.39E-04
9.43E-05	3.46E-03	3.61E-04	4.53E-04	0.00E+00	5.88E-04	5.87E-04	2.26E-05	2.92E-04	1.42E-04	3.01E-04	3.41E-04	3.41E-04	3.41E-04	2.89E-05	7.49E-04	2.53E-03	3.17E-03	5.47E-03	5.46E-03	0.00E+00	2.11E-04
8.76E-05	3.12E-03	3.50E-04	4.38E-04	0.00E+00	5.70E-04	5.69E-04	2.19E-05	2.83E-04	1.36E-04	2.87E-04	3.26E-04	3.26E-04	3.26E-04	2.76E-05	7.15E-04	2.27E-03	2.84E-03	4.86E-03	4.86E-03	0.00E+00	1.87E-04
8.16E-05	2.84E-03	3.39E-04	4.25E-04	0.00E+00	5.54E-04	5.53E-04	2.13E-05	2.74E-04	1.30E-04	2.74E-04	3.11E-04	3.11E-04	3.11E-04	2.64E-05	6.83E-04	2.05E-03	2.57E-03	4.35E-03	4.35E-03	0.00E+00	1.68E-04
7.61E-05	2.59E-03	3.30E-04	4.13E-04	0.00E+00	5.39E-04	5.38E-04	2.07E-05	2.66E-04	1.24E-04	2.62E-04	2.98E-04	2.98E-04	2.98E-04	2.53E-05	6.53E-04	1.86E-03	2.33E-03	3.92E-03	3.92E-03	0.00E+00	1.51E-04
4.63E-05	1.42E-03	2.71E-04	3.40E-04	0.00E+00	4.46E-04	4.45E-04	1.71E-05	2.19E-04	8.95E-05	1.89E-04	2.15E-04	2.15E-04	2.15E-04	1.82E-05	4.71E-04	9.82E-04	1.23E-03	1.97E-03	1.97E-03	0.00E+00	7.59E-05
4.38E-05	1.33E-03	2.65E-04	3.32E-04	0.00E+00	4.36E-04	4.35E-04	1.67E-05	2.14E-04	8.62E-05	1.82E-04	2.07E-04	2.07E-04	2.07E-04	1.76E-05	4.53E-04	9.18E-04	1.15E-03	1.83E-03	1.83E-03	0.00E+00	7.06E-05
4.15E-05	1.25E-03	2.59E-04	3.24E-04	0.00E+00	4.26E-04	4.25E-04	1.64E-05	2.09E-04	8.30E-05	1.75E-04	1.99E-04	1.99E-04	1.99E-04	1.69E-05	4.37E-04	8.60E-04	1.08E-03	1.71E-03	1.71E-03	0.00E+00	6.58E-05
1.28E-04	4.95E-03	4.34E-04	5.44E-04	0.00E+00	7.03E-04	7.02E-04	2.70E-05	3.51E-04	1.65E-04	3.49E-04	3.97E-04	3.97E-04	3.97E-04	3.37E-05	8.69E-04	3.46E-03	4.33E-03	7.62E-03	7.61E-03	0.00E+00	2.93E-04
1.18E-04	4.37E-03	4.19E-04	5.25E-04	0.00E+00	6.80E-04	6.78E-04	2.61E-05	3.38E-04	1.57E-04	3.32E-04	3.78E-04	3.78E-04	3.78E-04	3.20E-05	8.27E-04	3.05E-03	3.82E-03	6.65E-03	6.64E-03	0.00E+00	2.56E-04
1.08E-04	3.89E-03	4.05E-04	5.07E-04	0.00E+00	6.59E-04	6.57E-04	2.53E-05	3.27E-04	1.50E-04	3.16E-04	3.60E-04	3.60E-04	3.60E-04	3.05E-05	7.88E-04	2.71E-03	3.40E-03	5.85E-03	5.85E-03	0.00E+00	2.25E-04
9.99E-05	3.50E-03	3.92E-04	4.91E-04	0.00E+00	6.40E-04	6.38E-04	2.46E-05	3.17E-04	1.43E-04	3.02E-04	3.43E-04	3.43E-04	3.43E-04	2.91E-05	7.51E-04	2.43E-03	3.05E-03	5.19E-03	5.19E-03	0.00E+00	2.00E-04
9.24E-05	3.16E-03	3.81E-04	4.77E-04	0.00E+00	6.22E-04	6.21E-04	2.39E-05	3.08E-04	1.36E-04	2.88E-04	3.28E-04	3.28E-04	3.28E-04	2.78E-05	7.17E-04	2.19E-03	2.74E-03	4.64E-03	4.63E-03	0.00E+00	1.79E-04
8.56E-05	2.87E-03	3.70E-04	4.64E-04	0.00E+00	6.06E-04	6.05E-04	2.33E-05	2.99E-04	1.30E-04	2.75E-04	3.13E-04	3.13E-04	3.13E-04	2.66E-05	6.85E-04	1.98E-03	2.49E-03	4.17E-03	4.16E-03	0.00E+00	1.60E-04
7.96E-05	2.62E-03	3.61E-04	4.52E-04	0.00E+00	5.91E-04	5.90E-04	2.27E-05	2.91E-04	1.25E-04	2.63E-04	2.99E-04	2.99E-04	2.99E-04	2.54E-05	6.55E-04	1.81E-03	2.26E-03	3.76E-03	3.76E-03	0.00E+00	1.45E-04
7.41E-05	2.41E-03	3.52E-04	4.41E-04	0.00E+00	5.77E-04	5.76E-04	2.21E-05	2.84E-04	1.19E-04	2.52E-04	2.87E-04	2.87E-04	2.87E-04	2.43E-05	6.27E-04	1.65E-03	2.07E-03	3.42E-03	3.41E-03	0.00E+00	1.32E-04
5.04E-05	1.53E-03	3.03E-04	3.80E-04	0.00E+00	4.98E-04	4.97E-04	1.91E-05	2.45E-04	9.33E-05	1.97E-04	2.24E-04	2.24E-04	2.24E-04	1.90E-05	4.90E-04	1.04E-03	1.30E-03	2.07E-03	2.07E-03	0.00E+00	7.97E-05
4.75E-05	1.44E-03	2.95E-04	3.70E-04	0.00E+00	4.86E-04	4.85E-04	1.87E-05	2.39E-04	8.97E-05	1.90E-04	2.16E-04	2.16E-04	2.16E-04	1.83E-05	4.72E-04	9.67E-04	1.21E-03	1.92E-03	1.92E-03	0.00E+00	7.41E-05
4.49E-05	1.35E-03	2.88E-04	3.61E-04	0.00E+00	4.74E-04	4.73E-04	1.82E-05	2.33E-04	8.64E-05	1.83E-04	2.08E-04	2.08E-04	2.08E-04	1.76E-05	4.54E-04	9.05E-04	1.13E-03	1.79E-03	1.79E-03	0.00E+00	6.90E-05
1.48E-04	5.49E-03	4.90E-04	6.15E-04	0.00E+00	7.95E-04	7.93E-04	3.05E-05	3.96E-04	1.73E-04	3.66E-04	4.17E-04	4.17E-04	4.17E-04	3.54E-05	9.11E-04	3.62E-03	4.54E-03	7.93E-03	7.93E-03	0.00E+00	3.06E-04
1.34E-04	4.83E-03	4.73E-04	5.93E-04	0.00E+00	7.69E-04	7.68E-04	2.95E-05	3.83E-04	1.65E-04	3.48E-04	3.97E-04	3.97E-04	3.97E-04	3.37E-05	8.67E-04	3.20E-03	4.01E-03	6.92E-03	6.92E-03	0.00E+00	2.67E-04
1.23E-04	4.29E-03	4.58E-04	5.74E-04	0.00E+00	7.46E-04	7.45E-04	2.87E-05	3.70E-04	1.57E-04	3.31E-04	3.78E-04	3.78E-04	3.78E-04	3.20E-05	8.25E-04	2.85E-03	3.57E-03	6.10E-03	6.09E-03	0.00E+00	2.35E-04
1.13E-04	3.84E-03	4.45E-04	5.57E-04	0.00E+00	7.26E-04	7.24E-04	2.79E-05	3.59E-04	1.49E-04	3.16E-04	3.60E-04	3.60E-04	3.60E-04	3.05E-05	7.86E-04	2.55E-03	3.20E-03	5.41E-03	5.41E-03	0.00E+00	2.08E-04
1.03E-04	3.46E-03	4.32E-04	5.41E-04	0.00E+00	7.06E-04	7.05E-04	2.71E-05	3.49E-04	1.43E-04	3.01E-04	3.43E-04	3.43E-04	3.43E-04	2.91E-05	7.50E-04	2.30E-03	2.88E-03	4.83E-03	4.83E-03	0.00E+00	1.86E-04
9.55E-05	3.14E-03	4.20E-04	5.27E-04	0.00E+00	6.88E-04	6.87E-04	2.64E-05	3.40E-04	1.36E-04	2.88E-04	3.28E-04	3.28E-04	3.28E-04	2.78E-05	7.16E-04	2.08E-03	2.61E-03	4.34E-03	4.34E-03	0.00E+00	1.67E-04
8.83E-05	2.86E-03	4.09E-04	5.13E-04	0.00E+00	6.71E-04	6.70E-04	2.58E-05	3.31E-04	1.30E-04	2.75E-04	3.13E-04	3.13E-04	3.13E-04	2.66E-05	6.84E-04	1.89E-03	2.37E-03	3.92E-03	3.92E-03	0.00E+00	1.51E-04
8.19E-05	2.61E-03	3.99E-04	4.99E-04	0.00E+00	6.54E-04	6.53E-04	2.51E-05	3.22E-04	1.24E-04	2.63E-04	2.99E-04	2.99E-04	2.99E-04	2.54E-05	6.54E-04	1.73E-03	2.17E-03	3.56E-03	3.56E-03	0.00E+00	1.37E-04
6.62E-05	2.04E-03	3.68E-04	4.62E-04	0.00E+00	6.05E-04	6.04E-04	2.32E-05	2.98E-04	1.09E-04	2.31E-04	2.63E-04	2.63E-04	2.63E-04	2.23E-05	5.75E-04	1.35E-03	1.69E-03	2.73E-03	2.72E-03	0.00E+00	1.05E-04
6.20E-05	1.90E-03	3.59E-04	4.50E-04	0.00E+00	5.90E-04	5.88E-04	2.26E-05	2.90E-04	1.05E-04	2.22E-04	2.53E-04	2.53E-04	2.53E-04	2.14E-05	5.52E-04	1.25E-03	1.57E-03	2.51E-03	2.51E-03	0.00E+00	9.67E-05
5.81E-05	1.76E-03	3.49E-04	4.38E-04	0.00E+00	5.74E-04	5.73E-04	2.20E-05	2.82E-04	1.01E-04	2.13E-04	2.43E-04	2.43E-04	2.43E-04	2.06E-05	5.30E-04	1.16E-03	1.46E-03	2.32E-03	2.32E-03	0.00E+00	8.94E-05
5.45E-05	1.64E-03	3.40E-04	4.26E-04	0.00E+00	5.59E-04	5.58E-04	2.15E-05	2.75E-04	9.69E-05	2.05E-04	2.33E-04	2.33E-04	2.33E-04	1.98E-05	5.10E-04	1.08E-03	1.36E-03	2.15E-03	2.15E-03	0.00E+00	8.28E-05
5.13E-05	1.54E-03	3.31E-04	4.14E-04	0.00E+00	5.44E-04	5.43E-04	2.09E-05	2.67E-04	9.32E-05	1.97E-04	2.24E-04	2.24E-04	2.24E-04	1.90E-05	4.90E-04	1.01E-03	1.27E-03	2.00E-03	2.00E-03	0.00E+00	7.70E-05
4.84E-05	1.44E-03	3.22E-04	4.03E-04	0.00E+00	5.29E-04	5.28E-04	2.03E-05	2.60E-04	8.97E-05	1.90E-04	2.16E-04	2.16E-04	2.16E-04	1.83E-05	4.72E-04	9.44E-04	1.18E-03	1.86E-03	1.86E-03	0.00E+00	7.17E-05
1.67E-04	5.92E-03	5.61E-04	7.03E-04	0.00E+00	9.10E-04	9.09E-04	3.50E-05	4.53E-04	1.81E-04	3.82E-04	4.37E-04	4.37E-04	4.37E-04	3.71E-05	9.52E-04	3.70E-03	4.63E-03	7.99E-03	7.98E-03	0.00E+00	3.08E-04
1.51E-04	5.21E-03	5.42E-04	6.80E-04	0.00E+00	8.82E-04	8.81E-04	3.39E-05	4.38E-04	1.72E-04	3.63E-04	4.15E-04	4.15E-04	4.15E-04	3.52E-05	9.04E-04	3.28E-03	4.11E-03	7.01E-03	7.00E-03	0.00E+00	2.70E-04
1.37E-04	4.63E-03	5.26E-04	6.59E-04	0.00E+00	8.57E-04	8.55E-04	3.29E-05	4.25E-04	1.63E-04	3.46E-04	3.95E-04	3.95E-04	3.95E-04	3.35E-05	8.60E-04	2.92E-03	3.66E-03	6.19E-03	6.19E-03	0.00E+00	2.39E-04
1.25E-04	4.14E-03	5.10E-04	6.39E-04	0.00E+00	8.33E-04	8.32E-04	3.20E-05	4.12E-04	1.56E-04	3.29E-04	3.76E-04	3.76E-04	3.76E-04	3.19E-05	8.19E-04	2.63E-03	3.29E-03	5.51E-03	5.51E-03	0.00E+00	2.12E-04
1.15E-04	3.73E-03	4.96E-04	6.21E-04	0.00E+00	8.11E-04	8.09E-04	3.11E-05	4.00E-04	1.48E-04	3.14E-04	3.58E-04	3.58E-04	3.58E-04	3.04E-05	7.80E-04	2.37E-03	2.97E-03	4.93E-03	4.93E-03	0.00E+00	1.90E-04
1.05E-04	3.37E-03	4.82E-04	6.04E-04	0.00E+00	7.89E-04	7.88E-04	3.03E-05	3.89E-04	1.42E-04	2.99E-04	3.42E-04	3.42E-04	3.42E-04	2.90E-05	7.45E-04	2.15E-03	2.69E-03	4.44E-03	4.44E-03	0.00E+00	1.71E-04
9.69E-05	3.07E-03	4.68E-04	5.87E-04	0.00E+00	7.68E-04	7.66E-04	2.95E-05	3.78E-04	1.35E-04	2.86E-04	3.26E-04	3.26E-04	3.26E-04	2.77E-05	7.11E-04	1.96E-03	2.45E-03	4.02E-03	4.01E-03	0.00E+00	1.55E-04
8.95E-05	2.80E-03	4.56E-04	5.71E-04	0.00E+00	7.47E-04	7.46E-04	2.87E-05	3.68E-04	1.29E-04	2.73E-04	3.12E-04	3.12E-04	3.12E-04	2.64E-05	6.80E-04	1.79E-03	2.24E-03	3.65E-03	3.65E-03	0.00E+00	1.41E-04
7.17E-05	2.18E-03	4.18E-04	5.24E-04	0.00E+00	6.87E-04	6.85E-04	2.64E-05	3.38E-04	1.14E-04	2.40E-04	2.74E-04	2.74E-04	2.74E-04	2.32E-05	5.97E-04	1.40E-03	1.75E-03	2.80E-03	2.80E-03	0.00E+00	1.08E-04
6.69E-05	2.02E-03	4.06E-04	5.09E-04	0.00E+00	6.67E-04	6.66E-04	2.56E-05	3.28E-04	1.09E-04	2.30E-04	2.63E-04	2.63E-04	2.63E-04	2.23E-05	5.73E-04	1.30E-03	1.62E-03	2.58E-03	2.58E-03	0.00E+00	9.94E-05
6.26E-05	1.88E-03	3.94E-04	4.94E-04	0.00E+00	6.48E-04	6.46E-04	2.49E-05	3.19E-04	1.05E-04	2.21E-04	2.52E-04	2.52E-04	2.52E-04	2.14E-05	5.50E-04	1.20E-03	1.51E-03	2.39E-03	2.38E-03	0.00E+00	9.19E-05
5.86E-05	1.75E-03	3.83E-04	4.80E-04	0.00E+00	6.28E-04	6.27E-04	2.41E-05	3.09E-04	1.00E-04	2.12E-04	2.42E-04	2.42E-04	2.42E-04	2.05E-05	5.28E-04	1.12E-03	1.40E-03	2.21E-03	2.21E-03	0.00E+00	8.52E-05
5.50E-05	1.63E-03	3.71E-04	4.65E-04	0.00E+00	6.10E-04	6.09E-04	2.34E-05	3.00E-04	9.65E-05	2.04E-04	2.33E-04	2.33E-04	2.33E-04	1.97E-05	5.08E-04	1.05E-03	1.31E-03	2.06E-03	2.05E-03	0.00E+00	7.92E-05
5.17E-05	1.52E-03	3.60E-04	4.51E-04	0.00E+00	5.92E-04	5.91E-04	2.27E-05	2.91E-04	9.28E-05	1.96E-04	2.24E-04	2.24E-04	2.24E-04	1.90E-05	4.88E-04	9.78E-04	1.23E-03	1.92E-03	1.91E-03	0.00E+00	7.38E-05
1.86E-04	6.22E-03	6.52E-04	8.17E-04	0.00E+00	1.06E-03	1.06E-03	4.06E-05	5.27E-04	1.88E-04	3.97E-04	4.55E-04	4.55E-04	4.55E-04	3.86E-05	9.89E-04	3.68E-03	4.61E-03	7.80E-03	7.80E-03	0.00E+00	3.01E-04
1.67E-04	5.49E-03	6.30E-04	7.90E-04	0.00E+00	1.03E-03	1.02E-03	3.94E-05	5.09E-04	1.78E-04	3.77E-04	4.32E-04	4.32E-04	4.32E-04	3.66E-05	9.39E-04	3.28E-03	4.11E-03	6.90E-03	6.89E-03	0.00E+00	2.66E-04
1.51E-04	4.89E-03	6.11E-04	7.65E-04	0.00E+00	9.96E-04	9.94E-04	3.82E-05	4.93E-04	1.70E-04	3.59E-04	4.10E-04	4.10E-04	4.10E-04	3.48E-05	8.92E-04	2.94E-03	3.69E-03	6.13E-03	6.13E-03	0.00E+00	2.36E-04
1.37E-04	4.38E-03	5.92E-04	7.42E-04	0.00E+00	9.68E-04	9.66E-04	3.72E-05	4.79E-04	1.61E-04	3.41E-04	3.90E-04	3.90E-04	3.90E-04	3.31E-05	8.49E-04	2.65E-03	3.32E-03	5.48E-03	5.48E-03	0.00E+00	2.11E-04
1.25E-04	3.94E-03	5.75E-04	7.20E-04	0.00E+00	9.40E-04	9.38E-04	3.61E-05	4.64E-04	1.54E-04	3.25E-04	3.72E-04	3.72E-04	3.72E-04	3.15E-05	8.09E-04	2.40E-03	3.01E-03	4.93E-03	4.93E-03	0.00E+00	1.90E-04
1.14E-04	3.57E-03	5.58E-04	6.99E-04	0.00E+00	9.13E-04	9.11E-04	3.51E-05	4.51E-04	1.47E-04	3.10E-04	3.55E-04	3.55E-04	3.55E-04	3.01E-05	7.72E-04	2.18E-03	2.74E-03	4.45E-03	4.45E-03	0.00E+00	1.72E-04
1.05E-04	3.24E-03	5.41E-04	6.78E-04	0.00E+00	8.86E-04	8.85E-04	3.40E-05	4.37E-04	1.40E-04	2.96E-04	3.38E-04	3.38E-04	3.38E-04	2.87E-05	7.37E-04	1.99E-03	2.50E-03	4.04E-03	4.04E-03	0.00E+00	1.56E-04
9.68E-05	2.96E-03	5.25E-04	6.58E-04	0.00E+00	8.60E-04	8.58E-04	3.30E-05	4.24E-04	1.34E-04	2.83E-04	3.23E-04	3.23E-04	3.23E-04	2.74E-05	7.04E-04	1.83E-03	2.29E-03	3.68E-03	3.68E-03	0.00E+00	1.42E-04
7.69E-05	2.30E-03	4.77E-04	5.98E-04	0.00E+00	7.82E-04	7.81E-04	3.00E-05	3.85E-04	1.17E-04	2.48E-04	2.83E-04	2.83E-04	2.83E-04	2.40E-05	6.17E-04	1.43E-03	1.79E-03	2.84E-03	2.84E-03	0.00E+00	1.09E-04
7.16E-05	2.13E-03	4.62E-04	5.79E-04	0.00E+00	7.57E-04	7.56E-04	2.91E-05	3.73E-04	1.13E-04	2.38E-04	2.72E-04	2.72E-04	2.72E-04	2.31E-05	5.92E-04	1.33E-03	1.66E-03	2.62E-03	2.62E-03	0.00E+00	1.01E-04
6.68E-05	1.98E-03	4.47E-04	5.60E-04	0.00E+00	7.33E-04	7.31E-04	2.81E-05	3.61E-04	1.08E-04	2.28E-04	2.61E-04	2.61E-04	2.61E-04	2.21E-05	5.68E-04	1.23E-03	1.55E-03	2.43E-03	2.43E-03	0.00E+00	9.35E-05
6.25E-05	1.84E-03	4.32E-04	5.41E-04	0.00E+00	7.08E-04	7.07E-04	2.72E-05	3.49E-04	1.04E-04	2.19E-04	2.50E-04	2.50E-04	2.50E-04	2.12E-05	5.45E-04	1.15E-03	1.44E-03	2.25E-03	2.25E-03	0.00E+00	8.67E-05
5.86E-05	1.71E-03	4.18E-04	5.24E-04	0.00E+00	6.85E-04	6.84E-04	2.63E-05	3.38E-04	9.96E-05	2.11E-04	2.40E-04	2.40E-04	2.40E-04	2.04E-05	5.24E-04	1.07E-03	1.34E-03	2.09E-03	2.09E-03	0.00E+00	8.07E-05
5.50E-05	1.60E-03	4.04E-04	5.06E-04	0.00E+00	6.62E-04	6.61E-04	2.54E-05	3.26E-04	9.58E-05	2.02E-04	2.31E-04	2.31E-04	2.31E-04	1.96E-05	5.04E-04	1.00E-03	1.26E-03	1.95E-03	1.95E-03	0.00E+00	7.52E-05
2.03E-04	6.39E-03	7.69E-04	9.63E-04	0.00E+00	1.25E-03	1.25E-03	4.79E-05	6.21E-04	1.94E-04	4.11E-04	4.71E-04	4.71E-04	4.71E-04	4.00E-05	1.02E-03	3.58E-03	4.48E-03	7.41E-03	7.40E-03	0.00E+00	2.85E-04
1.82E-04	5.67E-03	7.37E-04	9.24E-04	0.00E+00	1.21E-03	1.21E-03	4.65E-05	5.96E-04	1.84E-04	3.90E-04	4.47E-04	4.47E-04	4.47E-04	3.79E-05	9.70E-04	3.22E-03	4.03E-03	6.62E-03	6.61E-03	0.00E+00	2.55E-04
1.64E-04	5.07E-03	7.15E-04	8.96E-04	0.00E+00	1.17E-03	1.17E-03	4.50E-05	5.78E-04	1.75E-04	3.70E-04	4.25E-04	4.25E-04	4.25E-04	3.60E-05	9.22E-04	2.90E-03	3.64E-03	5.93E-03	5.93E-03	0.00E+00	2.29E-04
1.48E-04	4.55E-03	6.93E-04	8.69E-04	0.00E+00	1.14E-03	1.13E-03	4.36E-05	5.60E-04	1.67E-04	3.52E-04	4.04E-04	4.04E-04	4.04E-04	3.43E-05	8.77E-04	2.63E-03	3.30E-03	5.34E-03	5.34E-03	0.00E+00	2.06E-04
1.35E-04	4.10E-03	6.73E-04	8.44E-04	0.00E+00	1.10E-03	1.10E-03	4.23E-05	5.44E-04	1.59E-04	3.36E-04	3.85E-04	3.85E-04	3.85E-04	3.26E-05	8.35E-04	2.39E-03	3.00E-03	4.83E-03	4.83E-03	0.00E+00	1.86E-04
1.23E-04	3.72E-03	6.51E-04	8.16E-04	0.00E+00	1.06E-03	1.06E-03	4.09E-05	5.26E-04	1.51E-04	3.20E-04	3.67E-04	3.67E-04	3.67E-04	3.11E-05	7.96E-04	2.19E-03	2.74E-03	4.39E-03	4.38E-03	0.00E+00	1.69E-04
1.13E-04	3.38E-03	6.29E-04	7.89E-04	0.00E+00	1.03E-03	1.03E-03	3.95E-05	5.09E-04	1.45E-04	3.05E-04	3.50E-04	3.50E-04	3.50E-04	2.97E-05	7.60E-04	2.00E-03	2.51E-03	4.00E-03	4.00E-03	0.00E+00	1.54E-04
1.03E-04	3.09E-03	6.08E-04	7.62E-04	0.00E+00	9.95E-04	9.93E-04	3.82E-05	4.91E-04	1.38E-04	2.92E-04	3.34E-04	3.34E-04	3.34E-04	2.83E-05	7.26E-04	1.84E-03	2.31E-03	3.66E-03	3.65E-03	0.00E+00	1.41E-04
8.18E-05	2.40E-03	5.46E-04	6.84E-04	0.00E+00	8.94E-04	8.92E-04	3.43E-05	4.41E-04	1.21E-04	2.56E-04	2.93E-04	2.93E-04	2.93E-04	2.48E-05	6.36E-04	1.45E-03	1.82E-03	2.85E-03	2.84E-03	0.00E+00	1.10E-04
7.60E-05	2.22E-03	5.26E-04	6.60E-04	0.00E+00	8.61E-04	8.60E-04	3.31E-05	4.25E-04	1.16E-04	2.45E-04	2.80E-04	2.80E-04	2.80E-04	2.38E-05	6.10E-04	1.35E-03	1.69E-03	2.63E-03	2.63E-03	0.00E+00	1.01E-04
7.08E-05	2.06E-03	5.07E-04	6.36E-04	0.00E+00	8.30E-04	8.28E-04	3.19E-05	4.10E-04	1.11E-04	2.35E-04	2.69E-04	2.69E-04	2.69E-04	2.28E-05	5.85E-04	1.25E-03	1.57E-03	2.44E-03	2.44E-03	0.00E+00	9.40E-05
6.61E-05	1.92E-03	4.88E-04	6.12E-04	0.00E+00	7.99E-04	7.98E-04	3.07E-05	3.95E-04	1.07E-04	2.26E-04	2.58E-04	2.58E-04	2.58E-04	2.19E-05	5.61E-04	1.17E-03	1.46E-03	2.27E-03	2.27E-03	0.00E+00	8.74E-05
6.19E-05	1.79E-03	4.70E-04	5.90E-04	0.00E+00	7.70E-04	7.69E-04	2.96E-05	3.80E-04	1.03E-04	2.17E-04	2.48E-04	2.48E-04	2.48E-04	2.10E-05	5.39E-04	1.09E-03	1.37E-03	2.11E-03	2.11E-03	0.00E+00	8.14E-05
5.80E-05	1.67E-03	4.53E-04	5.68E-04	0.00E+00	7.42E-04	7.40E-04	2.85E-05	3.66E-04	9.86E-05	2.08E-04	2.38E-04	2.38E-04	2.38E-04	2.02E-05	5.18E-04	1.02E-03	1.28E-03	1.97E-03	1.97E-03	0.00E+00	7.60E-05
2.17E-04	6.45E-03	9.22E-04	1.16E-03	0.00E+00	1.50E-03	1.49E-03	5.75E-05	7.45E-04	2.00E-04	4.22E-04	4.86E-04	4.86E-04	4.86E-04	4.12E-05	1.05E-03	3.42E-03	4.28E-03	6.86E-03	6.85E-03	0.00E+00	2.64E-04
1.94E-04	5.75E-03	8.89E-04	1.11E-03	0.00E+00	1.45E-03	1.44E-03	5.55E-05	7.18E-04	1.90E-04	4.01E-04	4.61E-04	4.61E-04	4.61E-04	3.91E-05	9.97E-04	3.10E-03	3.88E-03	6.20E-03

16	17	17	45	45	45	45	17					
P12Paving	P13Demolition	P13Grading	P13Building Construction	P13Building Construction	P13Building Construction	P13Architectural Coating	P13Paving	Child Risk				
2036	2035	2035	2035	2036	0	2036	2036	3rd Trimester	0<2	2<16	Total	per million
2.59E-03	2.26E-04	6.37E-04	5.17E-04	5.17E-04	0.00E+00	4.92E-05	1.19E-03	2.00E-08	4.43E-07	4.11E-07	8.74E-07	8.74E-01
2.29E-03	2.16E-04	6.08E-04	4.94E-04	4.94E-04	0.00E+00	4.70E-05	1.14E-03	1.87E-08	4.12E-07	3.75E-07	8.06E-07	8.06E-01
2.04E-03	2.07E-04	5.82E-04	4.72E-04	4.72E-04	0.00E+00	4.49E-05	1.09E-03	1.76E-08	3.86E-07	3.41E-07	7.44E-07	7.44E-01
1.83E-03	1.98E-04	5.56E-04	4.51E-04	4.51E-04	0.00E+00	4.29E-05	1.04E-03	1.65E-08	3.62E-07	3.10E-07	6.88E-07	6.88E-01
1.65E-03	1.89E-04	5.31E-04	4.30E-04	4.30E-04	0.00E+00	4.09E-05	9.93E-04	1.55E-08	3.40E-07	2.83E-07	6.39E-07	6.39E-01
1.50E-03	1.81E-04	5.08E-04	4.11E-04	4.11E-04	0.00E+00	3.91E-05	9.50E-04	1.46E-08	3.21E-07	2.61E-07	5.96E-07	5.96E-01
7.93E-04	1.28E-04	3.60E-04	2.89E-04	2.89E-04	0.00E+00	2.75E-05	6.73E-04	9.61E-09	2.14E-07	1.56E-07	3.79E-07	3.79E-01
7.41E-04	1.23E-04	3.46E-04	2.77E-04	2.77E-04	0.00E+00	2.64E-05	6.46E-04	9.16E-09	2.05E-07	1.48E-07	3.61E-07	3.61E-01
6.95E-04	1.18E-04	3.32E-04	2.66E-04	2.66E-04	0.00E+00	2.53E-05	6.20E-04	8.75E-09	1.96E-07	1.40E-07	3.45E-07	3.45E-01
2.79E-03	2.61E-04	7.34E-04	5.98E-04	5.98E-04	0.00E+00	5.69E-05	1.37E-03	2.15E-08	5.06E-07	4.31E-07	9.59E-07	9.59E-01
2.46E-03	2.48E-04	6.97E-04	5.68E-04	5.68E-04	0.00E+00	5.40E-05	1.30E-03	2.00E-08	4.69E-07	3.92E-07	8.81E-07	8.81E-01
2.19E-03	2.35E-04	6.62E-04	5.39E-04	5.39E-04	0.00E+00	5.13E-05	1.24E-03	1.88E-08	4.36E-07	3.58E-07	8.13E-07	8.13E-01
1.96E-03	2.24E-04	6.30E-04	5.12E-04	5.12E-04	0.00E+00	4.87E-05	1.18E-03	1.76E-08	4.07E-07	3.27E-07	7.52E-07	7.52E-01
1.77E-03	2.13E-04	5.99E-04	4.86E-04	4.86E-04	0.00E+00	4.63E-05	1.12E-03	1.65E-08	3.81E-07	3.00E-07	6.98E-07	6.98E-01
1.60E-03	2.03E-04	5.70E-04	4.62E-04	4.62E-04	0.00E+00	4.40E-05	1.07E-03	1.56E-08	3.58E-07	2.77E-07	6.50E-07	6.50E-01
1.46E-03	1.93E-04	5.43E-04	4.40E-04	4.40E-04	0.00E+00	4.19E-05	1.01E-03	1.47E-08	3.37E-07	2.57E-07	6.08E-07	6.08E-01
1.33E-03	1.84E-04	5.17E-04	4.19E-04	4.19E-04	0.00E+00	3.98E-05	9.67E-04	1.39E-08	3.18E-07	2.39E-07	5.70E-07	5.70E-01
8.36E-04	1.40E-04	3.93E-04	3.16E-04	3.16E-04	0.00E+00	3.01E-05	7.34E-04	1.01E-08	2.33E-07	1.65E-07	4.08E-07	4.08E-01
7.81E-04	1.34E-04	3.76E-04	3.02E-04	3.02E-04	0.00E+00	2.88E-05	7.02E-04	9.63E-09	2.22E-07	1.56E-07	3.88E-07	3.88E-01
7.31E-04	1.28E-04	3.60E-04	2.89E-04	2.89E-04	0.00E+00	2.75E-05	6.73E-04	9.18E-09	2.12E-07	1.48E-07	3.70E-07	3.70E-01
2.93E-03	2.99E-04	8.43E-04	6.90E-04	6.90E-04	0.00E+00	6.56E-05	1.57E-03	2.28E-08	5.73E-07	4.49E-07	1.04E-06	1.04E+00
2.58E-03	2.83E-04	7.96E-04	6.50E-04	6.50E-04	0.00E+00	6.19E-05	1.49E-03	2.13E-08	5.28E-07	4.08E-07	9.57E-07	9.57E-01
2.30E-03	2.67E-04	7.52E-04	6.13E-04	6.13E-04	0.00E+00	5.84E-05	1.40E-03	1.99E-08	4.88E-07	3.73E-07	8.81E-07	8.81E-01
2.06E-03	2.53E-04	7.11E-04	5.79E-04	5.79E-04	0.00E+00	5.51E-05	1.33E-03	1.86E-08	4.54E-07	3.42E-07	8.15E-07	8.15E-01
1.86E-03	2.39E-04	6.72E-04	5.47E-04	5.47E-04	0.00E+00	5.21E-05	1.26E-03	1.75E-08	4.23E-07	3.15E-07	7.56E-07	7.56E-01
1.68E-03	2.26E-04	6.37E-04	5.18E-04	5.18E-04	0.00E+00	4.93E-05	1.19E-03	1.64E-08	3.96E-07	2.92E-07	7.04E-07	7.04E-01
1.53E-03	2.15E-04	6.04E-04	4.90E-04	4.90E-04	0.00E+00	4.67E-05	1.13E-03	1.55E-08	3.71E-07	2.70E-07	6.57E-07	6.57E-01
1.40E-03	2.04E-04	5.73E-04	4.65E-04	4.65E-04	0.00E+00	4.42E-05	1.07E-03	1.46E-08	3.49E-07	2.52E-07	6.16E-07	6.16E-01
1.09E-03	1.75E-04	4.93E-04	3.98E-04	3.98E-04	0.00E+00	3.79E-05	9.21E-04	1.24E-08	2.94E-07	2.07E-07	5.14E-07	5.14E-01
1.01E-03	1.67E-04	4.69E-04	3.79E-04	3.79E-04	0.00E+00	3.60E-05	8.77E-04	1.17E-08	2.79E-07	1.95E-07	4.86E-07	4.86E-01
9.38E-04	1.59E-04	4.47E-04	3.61E-04	3.61E-04	0.00E+00	3.43E-05	8.36E-04	1.11E-08	2.65E-07	1.84E-07	4.60E-07	4.60E-01
8.74E-04	1.52E-04	4.27E-04	3.44E-04	3.44E-04	0.00E+00	3.27E-05	7.97E-04	1.06E-08	2.52E-07	1.74E-07	4.36E-07	4.36E-01
8.15E-04	1.45E-04	4.07E-04	3.28E-04	3.28E-04	0.00E+00	3.12E-05	7.61E-04	1.01E-08	2.40E-07	1.65E-07	4.15E-07	4.15E-01
7.63E-04	1.38E-04	3.89E-04	3.13E-04	3.13E-04	0.00E+00	2.98E-05	7.28E-04	9.60E-09	2.29E-07	1.56E-07	3.95E-07	3.95E-01
2.98E-03	3.42E-04	9.62E-04	7.90E-04	7.90E-04	0.00E+00	7.52E-05	1.80E-03	2.41E-08	6.40E-07	4.63E-07	1.13E-06	1.13E+00
2.65E-03	3.21E-04	9.03E-04	7.40E-04	7.40E-04	0.00E+00	7.04E-05	1.69E-03	2.24E-08	5.87E-07	4.22E-07	1.03E-06	1.03E+00
2.36E-03	3.01E-04	8.48E-04	6.93E-04	6.93E-04	0.00E+00	6.60E-05	1.58E-03	2.09E-08	5.42E-07	3.86E-07	9.49E-07	9.49E-01
2.12E-03	2.83E-04	7.97E-04	6.51E-04	6.51E-04	0.00E+00	6.20E-05	1.49E-03	1.96E-08	5.02E-07	3.56E-07	8.77E-07	8.77E-01
1.91E-03	2.67E-04	7.51E-04	6.12E-04	6.12E-04	0.00E+00	5.83E-05	1.40E-03	1.84E-08	4.66E-07	3.28E-07	8.13E-07	8.13E-01
1.74E-03	2.52E-04	7.08E-04	5.77E-04	5.77E-04	0.00E+00	5.49E-05	1.32E-03	1.73E-08	4.35E-07	3.04E-07	7.57E-07	7.57E-01
1.58E-03	2.38E-04	6.68E-04	5.44E-04	5.44E-04	0.00E+00	5.17E-05	1.25E-03	1.62E-08	4.07E-07	2.83E-07	7.06E-07	7.06E-01
1.45E-03	2.25E-04	6.32E-04	5.13E-04	5.13E-04	0.00E+00	4.88E-05	1.18E-03	1.53E-08	3.82E-07	2.64E-07	6.61E-07	6.61E-01
1.13E-03	1.91E-04	5.38E-04	4.35E-04	4.35E-04	0.00E+00	4.14E-05	1.00E-03	1.29E-08	3.19E-07	2.17E-07	5.49E-07	5.49E-01
1.05E-03	1.81E-04	5.10E-04	4.12E-04	4.12E-04	0.00E+00	3.93E-05	9.54E-04	1.22E-08	3.02E-07	2.05E-07	5.19E-07	5.19E-01
9.72E-04	1.72E-04	4.85E-04	3.92E-04	3.92E-04	0.00E+00	3.73E-05	9.07E-04	1.16E-08	2.86E-07	1.93E-07	4.91E-07	4.91E-01
9.05E-04	1.64E-04	4.62E-04	3.72E-04	3.72E-04	0.00E+00	3.54E-05	8.63E-04	1.10E-08	2.72E-07	1.83E-07	4.65E-07	4.65E-01
8.44E-04	1.56E-04	4.40E-04	3.54E-04	3.54E-04	0.00E+00	3.37E-05	8.22E-04	1.05E-08	2.58E-07	1.73E-07	4.41E-07	4.41E-01
7.90E-04	1.49E-04	4.19E-04	3.38E-04	3.38E-04	0.00E+00	3.21E-05	7.84E-04	9.99E-09	2.46E-07	1.64E-07	4.20E-07	4.20E-01
2.97E-03	3.88E-04	1.09E-03	8.97E-04	8.97E-04	0.00E+00	8.54E-05	2.04E-03	2.52E-08	7.05E-07	4.73E-07	1.20E-06	1.20E+00
2.65E-03	3.61E-04	1.02E-03	8.34E-04	8.34E-04	0.00E+00	7.94E-05	1.90E-03	2.34E-08	6.46E-07	4.32E-07	1.10E-06	1.10E+00
2.38E-03	3.37E-04	9.49E-04	7.78E-04	7.78E-04	0.00E+00	7.40E-05	1.77E-03	2.19E-08	5.94E-07	3.97E-07	1.01E-06	1.01E+00
2.14E-03	3.16E-04	8.88E-04	7.27E-04	7.27E-04	0.00E+00	6.91E-05	1.66E-03	2.04E-08	5.49E-07	3.66E-07	9.36E-07	9.36E-01
1.94E-03	2.96E-04	8.33E-04	6.80E-04	6.80E-04	0.00E+00	6.47E-05	1.56E-03	1.91E-08	5.09E-07	3.39E-07	8.68E-07	8.68E-01
1.76E-03	2.78E-04	7.82E-04	6.38E-04	6.38E-04	0.00E+00	6.07E-05	1.46E-03	1.80E-08	4.74E-07	3.15E-07	8.07E-07	8.07E-01
1.61E-03	2.61E-04	7.35E-04	5.99E-04	5.99E-04	0.00E+00	5.70E-05	1.37E-03	1.69E-08	4.42E-07	2.94E-07	7.53E-07	7.53E-01
1.48E-03	2.46E-04	6.93E-04	5.63E-04	5.63E-04	0.00E+00	5.36E-05	1.29E-03	1.59E-08	4.14E-07	2.74E-07	7.04E-07	7.04E-01
1.16E-03	2.07E-04	5.84E-04	4.73E-04	4.73E-04	0.00E+00	4.50E-05	1.09E-03	1.34E-08	3.44E-07	2.27E-07	5.85E-07	5.85E-01
1.07E-03	1.96E-04	5.53E-04	4.47E-04	4.47E-04	0.00E+00	4.25E-05	1.03E-03	1.27E-08	3.25E-07	2.14E-07	5.51E-07	5.51E-01
9.97E-04	1.86E-04	5.24E-04	4.23E-04	4.23E-04	0.00E+00	4.03E-05	9.79E-04	1.21E-08	3.08E-07	2.02E-07	5.21E-07	5.21E-01
9.28E-04	1.77E-04	4.97E-04	4.01E-04	4.01E-04	0.00E+00	3.82E-05	9.30E-04	1.14E-08	2.91E-07	1.91E-07	4.93E-07	4.93E-01
8.67E-04	1.68E-04	4.73E-04	3.81E-04	3.81E-04	0.00E+00	3.63E-05	8.84E-04	1.09E-08	2.76E-07	1.81E-07	4.68E-07	4.68E-01
8.11E-04	1.60E-04	4.50E-04	3.62E-04	3.62E-04	0.00E+00	3.45E-05	8.41E-04	1.04E-08	2.63E-07	1.71E-07	4.44E-07	4.44E-01
2.89E-03	4.35E-04	1.22E-03	1.01E-03	1.01E-03	0.00E+00	9.60E-05	2.29E-03	2.61E-08	7.68E-07	4.78E-07	1.27E-06	1.27E+00
2.60E-03	4.03E-04	1.13E-03	9.33E-04	9.33E-04	0.00E+00	8.88E-05	2.12E-03	2.43E-08	7.02E-07	4.39E-07	1.17E-06	1.17E+00
2.35E-03	3.75E-04	1.05E-03	8.65E-04	8.65E-04	0.00E+00	8.23E-05	1.97E-03	2.26E-08	6.45E-07	4.05E-07	1.07E-06	1.07E+00
2.13E-03	3.49E-04	9.82E-04	8.04E-04	8.04E-04	0.00E+00	7.65E-05	1.83E-03	2.11E-08	5.95E-07	3.75E-07	9.92E-07	9.92E-01
1.93E-03	3.26E-04	9.16E-04	7.49E-04	7.49E-04	0.00E+00	7.13E-05	1.71E-03	1.98E-08	5.51E-07	3.49E-07	9.19E-07	9.19E-01
1.77E-03	3.05E-04	8.57E-04	6.99E-04	6.99E-04	0.00E+00	6.66E-05	1.60E-03	1.86E-08	5.12E-07	3.25E-07	8.55E-07	8.55E-01
1.62E-03	2.85E-04	8.03E-04	6.54E-04	6.54E-04	0.00E+00	6.23E-05	1.50E-03	1.75E-08	4.77E-07	3.03E-07	7.98E-07	7.98E-01
1.49E-03	2.68E-04	7.54E-04	6.13E-04	6.13E-04	0.00E+00	5.84E-05	1.41E-03	1.65E-08	4.46E-07	2.84E-07	7.46E-07	7.46E-01
1.17E-03	2.24E-04	6.30E-04	5.10E-04	5.10E-04	0.00E+00	4.86E-05	1.18E-03	1.39E-08	3.69E-07	2.36E-07	6.19E-07	6.19E-01
1.09E-03	2.12E-04	5.95E-04	4.82E-04	4.82E-04	0.00E+00	4.58E-05	1.11E-03	1.31E-08	3.48E-07	2.22E-07	5.83E-07	5.83E-01
1.01E-03	2.00E-04	5.63E-04	4.55E-04	4.55E-04	0.00E+00	4.33E-05	1.05E-03	1.24E-08	3.29E-07	2.10E-07	5.51E-07	5.51E-01
9.44E-04	1.90E-04	5.33E-04	4.30E-04	4.30E-04	0.00E+00	4.10E-05	9.97E-04	1.18E-08	3.11E-07	1.98E-07	5.21E-07	5.21E-01
8.82E-04	1.80E-04	5.06E-04	4.08E-04	4.08E-04	0.00E+00	3.88E-05	9.45E-04	1.12E-08	2.95E-07	1.88E-07	4.94E-07	4.94E-01
8.26E-04	1.71E-04	4.80E-04	3.87E-04	3.87E-04	0.00E+00	3.68E-05	8.98E-04	1.07E-08	2.80E-07	1.78E-07	4.69E-07	4.69E-01
2.76E-03	4.83E-04	1.36E-03	1.12E-03	1.12E-03	0.00E+00	1.07E-04	2.54E-03	2.67E-08	8.26E-07	4.80E-07	1.33E-06	1.33E+00
2.50E-03	4.45E-04	1.25E-03	1.03E-03	1.03E-03	0.00E+00	9.81E-05	2.34E-03	2.49E-08	7.55E-07	4.44E-07	1.22E-06	1.22E+00
2.28E-03	4.12E-04	1.16E-03	9.52E-04	9.52E-04	0.00E+00	9.05E-05	2.17E-03	2.32E-08	6.93E-07	4.11E-07	1.13E-06	1.13E+00
2.08E-03	3.82E-04	1.08E-03	8.81E-04	8.81E-04	0.00E+00	8.38E-05	2.01E-03	2.17E-08	6.39E-07	3.82E-07	1.04E-06	1.04E+00
1.90E-03	3.55E-04	1.00E-03	8.18E-04	8.18E-04	0.00E+00	7.78E-05	1.87E-03	2.03E-08	5.91E-07	3.57E-07	9.68E-07	9.68E-01
1.74E-03	3.31E-04	9.32E-04	7.61E-04	7.61E-04	0.00E+00	7.24E-05	1.74E-03	1.91E-08	5.49E-07	3.33E-07	9.01E-07	9.01E-01
1.60E-03	3.09E-04	8.71E-04	7.10E-04	7.10E-04	0.00E+00	6.75E-05	1.63E-03	1.80E-08	5.11E-07	3.12E-07	8.41E-07	8.41E-01
1.48E-03	2.90E-04	8.15E-04	6.63E-04	6.63E-04	0.00E+00	6.31E-05	1.52E-03	1.69E-08	4.77E-07	2.92E-07	7.86E-07	7.86E-01
1.17E-03	2.40E-04	6.76E-04	5.48E-04	5.48E-04	0.00E+00	5.21E-05	1.26E-03	1.42E-08	3.93E-07	2.44E-07	6.51E-07	6.51E-01

FOR CHRONIC CALCS

Overlapping Phases - Maximum GLC											
2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
1.25E-02	9.13E-03	4.86E-03	8.83E-03	6.36E-03	2.56E-03	3.24E-03	1.99E-02	6.55E-03	1.34E-03	1.69E-02	1.17E-02
1.14E-02	8.46E-03	4.55E-03	8.16E-03	5.77E-03	2.44E-03	3.07E-03	1.90E-02	6.17E-03	1.29E-03	1.51E-02	1.04E-02
1.05E-02	7.86E-03	4.27E-03	7.57E-03	5.27E-03	2.32E-03	2.91E-03	1.63E-02	5.83E-03	1.24E-03	1.35E-02	9.32E-03
9.62E-03	7.32E-03	4.01E-03	7.05E-03	4.84E-03	2.20E-03	2.76E-03	1.34E-02	5.52E-03	1.20E-03	1.22E-02	8.41E-03
8.89E-03	6.84E-03	3.78E-03	6.59E-03	4.46E-03	2.10E-03	2.63E-03	1.11E-02	5.24E-03	1.16E-03	1.11E-02	7.64E-03
8.24E-03	6.40E-03	3.56E-03	6.18E-03	4.13E-03	2.00E-03	2.50E-03	9.45E-03	4.98E-03	1.12E-03	1.02E-02	6.97E-03
4.90E-03	4.00E-03	2.34E-03	3.97E-03	2.49E-03	1.42E-03	1.74E-03	4.16E-03	3.54E-03	8.97E-04	5.66E-03	3.83E-03
4.63E-03	3.79E-03	2.23E-03	3.79E-03	2.36E-03	1.36E-03	1.67E-03	3.88E-03	3.41E-03	8.73E-04	5.32E-03	3.59E-03
4.38E-03	3.60E-03	2.13E-03	3.61E-03	2.24E-03	1.31E-03	1.60E-03	3.64E-03	3.28E-03	8.50E-04	5.02E-03	3.38E-03
1.50E-02	1.07E-02	5.22E-03	9.88E-03	7.29E-03	2.74E-03	3.45E-03	1.48E-02	7.13E-03	1.48E-03	1.83E-02	1.27E-02
1.35E-02	9.86E-03	4.88E-03	9.08E-03	6.56E-03	2.60E-03	3.26E-03	1.45E-02	6.71E-03	1.42E-03	1.63E-02	1.13E-02
1.23E-02	9.08E-03	4.57E-03	8.38E-03	5.96E-03	2.47E-03	3.08E-03	1.34E-02	6.33E-03	1.37E-03	1.46E-02	1.01E-02
1.12E-02	8.39E-03	4.28E-03	7.78E-03	5.44E-03	2.35E-03	2.92E-03	1.19E-02	5.99E-03	1.32E-03	1.32E-02	9.09E-03
1.03E-02	7.78E-03	4.03E-03	7.24E-03	4.99E-03	2.24E-03	2.77E-03	1.04E-02	5.68E-03	1.28E-03	1.19E-02	8.23E-03
9.44E-03	7.23E-03	3.79E-03	6.77E-03	4.61E-03	2.13E-03	2.63E-03	9.14E-03	5.40E-03	1.24E-03	1.09E-02	7.50E-03
8.72E-03	6.74E-03	3.57E-03	6.34E-03	4.26E-03	2.03E-03	2.51E-03	8.10E-03	5.14E-03	1.20E-03	9.99E-03	6.86E-03
8.08E-03	6.30E-03	3.38E-03	5.96E-03	3.96E-03	1.94E-03	2.39E-03	7.24E-03	4.91E-03	1.17E-03	9.19E-03	6.30E-03
5.40E-03	4.36E-03	2.46E-03	4.27E-03	2.70E-03	1.50E-03	1.82E-03	4.34E-03	3.81E-03	9.85E-04	5.98E-03	4.06E-03
5.08E-03	4.12E-03	2.35E-03	4.06E-03	2.55E-03	1.44E-03	1.74E-03	4.06E-03	3.66E-03	9.58E-04	5.62E-03	3.81E-03
4.79E-03	3.90E-03	2.24E-03	3.86E-03	2.42E-03	1.38E-03	1.67E-03	3.81E-03	3.53E-03	9.32E-04	5.29E-03	3.58E-03
1.77E-02	1.26E-02	5.56E-03	1.09E-02	8.17E-03	2.92E-03	3.64E-03	1.19E-02	7.74E-03	1.64E-03	1.93E-02	1.35E-02
1.58E-02	1.14E-02	5.19E-03	9.98E-03	7.33E-03	2.77E-03	3.43E-03	1.16E-02	7.28E-03	1.58E-03	1.72E-02	1.20E-02
1.42E-02	1.04E-02	4.85E-03	9.19E-03	6.62E-03	2.63E-03	3.25E-03	1.12E-02	6.87E-03	1.52E-03	1.54E-02	1.07E-02
1.29E-02	9.55E-03	4.54E-03	8.50E-03	6.03E-03	2.49E-03	3.07E-03	1.04E-02	6.50E-03	1.47E-03	1.39E-02	9.64E-03
1.17E-02	8.79E-03	4.26E-03	7.89E-03	5.51E-03	2.37E-03	2.91E-03	9.52E-03	6.16E-03	1.42E-03	1.26E-02	8.73E-03
1.07E-02	8.12E-03	4.01E-03	7.35E-03	5.07E-03	2.26E-03	2.77E-03	8.65E-03	5.85E-03	1.38E-03	1.15E-02	7.94E-03
9.84E-03	7.52E-03	3.77E-03	6.87E-03	4.68E-03	2.15E-03	2.63E-03	7.86E-03	5.57E-03	1.34E-03	1.05E-02	7.27E-03
9.08E-03	6.99E-03	3.56E-03	6.44E-03	4.34E-03	2.05E-03	2.50E-03	7.16E-03	5.31E-03	1.30E-03	9.68E-03	6.67E-03
7.25E-03	5.70E-03	3.01E-03	5.37E-03	3.52E-03	1.79E-03	2.17E-03	5.56E-03	4.65E-03	1.19E-03	7.70E-03	5.28E-03
6.76E-03	5.35E-03	2.86E-03	5.08E-03	3.30E-03	1.71E-03	2.07E-03	5.15E-03	4.45E-03	1.15E-03	7.17E-03	4.91E-03
6.32E-03	5.02E-03	2.71E-03	4.81E-03	3.10E-03	1.64E-03	1.98E-03	4.80E-03	4.27E-03	1.12E-03	6.70E-03	4.58E-03
5.92E-03	4.73E-03	2.58E-03	4.56E-03	2.92E-03	1.57E-03	1.89E-03	4.49E-03	4.10E-03	1.09E-03	6.27E-03	4.28E-03
5.55E-03	4.46E-03	2.46E-03	4.33E-03	2.75E-03	1.51E-03	1.82E-03	4.21E-03	3.94E-03	1.06E-03	5.89E-03	4.01E-03
5.22E-03	4.21E-03	2.34E-03	4.12E-03	2.60E-03	1.45E-03	1.74E-03	3.96E-03	3.79E-03	1.02E-03	5.54E-03	3.76E-03
2.05E-02	1.45E-02	5.87E-03	1.18E-02	8.96E-03	3.10E-03	3.81E-03	1.05E-02	8.39E-03	1.83E-03	1.98E-02	1.39E-02
1.82E-02	1.31E-02	5.47E-03	1.08E-02	8.03E-03	2.94E-03	3.60E-03	1.02E-02	7.89E-03	1.77E-03	1.77E-02	1.24E-02
1.62E-02	1.18E-02	5.10E-03	9.95E-03	7.25E-03	2.78E-03	3.40E-03	9.79E-03	7.44E-03	1.71E-03	1.59E-02	1.11E-02
1.46E-02	1.08E-02	4.78E-03	9.19E-03	6.58E-03	2.64E-03	3.21E-03	9.32E-03	7.04E-03	1.65E-03	1.44E-02	1.00E-02
1.32E-02	9.84E-03	4.48E-03	8.51E-03	6.01E-03	2.50E-03	3.04E-03	8.76E-03	6.67E-03	1.60E-03	1.31E-02	9.11E-03
1.20E-02	9.04E-03	4.21E-03	7.92E-03	5.51E-03	2.38E-03	2.89E-03	8.16E-03	6.34E-03	1.55E-03	1.19E-02	8.30E-03
1.10E-02	8.33E-03	3.96E-03	7.39E-03	5.08E-03	2.26E-03	2.74E-03	7.57E-03	6.03E-03	1.50E-03	1.09E-02	7.59E-03
1.01E-02	7.71E-03	3.73E-03	6.91E-03	4.70E-03	2.16E-03	2.61E-03	7.01E-03	5.75E-03	1.45E-03	1.01E-02	6.98E-03
7.96E-03	6.21E-03	3.15E-03	5.74E-03	3.79E-03	1.88E-03	2.26E-03	5.62E-03	5.02E-03	1.32E-03	8.01E-03	5.52E-03
7.40E-03	5.80E-03	2.98E-03	5.41E-03	3.54E-03	1.79E-03	2.15E-03	5.25E-03	4.81E-03	1.28E-03	7.46E-03	5.13E-03
6.89E-03	5.44E-03	2.83E-03	5.12E-03	3.32E-03	1.72E-03	2.06E-03	4.91E-03	4.61E-03	1.24E-03	6.97E-03	4.78E-03
6.44E-03	5.10E-03	2.69E-03	4.85E-03	3.12E-03	1.64E-03	1.97E-03	4.61E-03	4.42E-03	1.20E-03	6.52E-03	4.47E-03
6.03E-03	4.80E-03	2.56E-03	4.60E-03	2.94E-03	1.58E-03	1.88E-03	4.34E-03	4.24E-03	1.16E-03	6.12E-03	4.19E-03
5.65E-03	4.52E-03	2.44E-03	4.37E-03	2.78E-03	1.51E-03	1.81E-03	4.09E-03	4.08E-03	1.13E-03	5.76E-03	3.93E-03
2.33E-02	1.66E-02	6.13E-03	1.27E-02	9.63E-03	3.28E-03	3.97E-03	9.92E-03	9.07E-03	2.08E-03	1.99E-02	1.41E-02
2.06E-02	1.48E-02	5.71E-03	1.16E-02	8.64E-03	3.09E-03	3.74E-03	9.40E-03	8.54E-03	2.00E-03	1.79E-02	1.26E-02
1.83E-02	1.33E-02	5.33E-03	1.07E-02

			P0Demolition	P0Site Prep	P1Demolition	P1Grading	P1Building Construction	P1Building Construction	P1Architectural Coating	P1Paving	P4Demolition	P4Grading	P4Building Construction	P4Building Construction	P4Building Construction	P4Architectural Coating	P4Paving	P4Paving	P2Demolition	P2Grading
Unique Identifier	X (UTM)	Y (UTM)	2025	2025	2025	2025	2025	2026	2026	2026	2028	2028	2028	2029	0	2029	2029	2030	2026	2026
385342.23754716.2	385342.2	3754716.2	2.05E-03	5.93E-04	1.53E-03	1.92E-03	3.13E-03	3.11E-03	1.03E-04	1.58E-03	4.63E-04	5.80E-04	5.90E-04	5.86E-04	0.00E+00	2.70E-05	3.74E-04	3.74E-04	2.21E-04	4.66E-04
385352.23754716.2	385352.2	3754716.2	1.90E-03	5.61E-04	1.41E-03	1.77E-03	2.88E-03	2.86E-03	9.51E-05	1.46E-03	4.43E-04	5.55E-04	5.66E-04	5.62E-04	0.00E+00	2.59E-05	3.58E-04	3.58E-04	2.09E-04	4.42E-04
385362.23754716.2	385362.2	3754716.2	1.77E-03	5.31E-04	1.31E-03	1.64E-03	2.66E-03	2.65E-03	8.79E-05	1.35E-03	4.24E-04	5.31E-04	5.43E-04	5.40E-04	0.00E+00	2.49E-05	3.43E-04	3.42E-04	1.99E-04	4.20E-04
385372.23754716.2	385372.2	3754716.2	1.66E-03	5.03E-04	1.22E-03	1.52E-03	2.47E-03	2.45E-03	8.15E-05	1.26E-03	4.06E-04	5.09E-04	5.22E-04	5.18E-04	0.00E+00	2.39E-05	3.28E-04	3.28E-04	1.89E-04	3.99E-04
385382.23754716.2	385382.2	3754716.2	1.55E-03	4.78E-04	1.13E-03	1.42E-03	2.29E-03	2.28E-03	7.57E-05	1.17E-03	3.89E-04	4.88E-04	5.01E-04	4.98E-04	0.00E+00	2.29E-05	3.15E-04	3.15E-04	1.80E-04	3.79E-04
385232.23754726.2	385232.2	3754726.2	5.86E-03	1.28E-03	5.32E-03	6.67E-03	1.14E-02	1.13E-02	3.75E-04	5.50E-03	8.98E-04	1.13E-03	1.10E-03	1.09E-03	0.00E+00	5.02E-05	7.26E-04	7.26E-04	4.32E-04	9.14E-04
385242.23754726.2	385242.2	3754726.2	5.22E-03	1.19E-03	4.63E-03	5.80E-03	9.83E-03	9.76E-03	3.24E-04	4.79E-03	8.48E-04	1.06E-03	1.04E-03	1.03E-03	0.00E+00	4.76E-05	6.85E-04	6.85E-04	4.04E-04	8.54E-04
385252.23754726.2	385252.2	3754726.2	4.67E-03	1.10E-03	4.06E-03	5.09E-03	8.58E-03	8.52E-03	2.83E-04	4.20E-03	8.01E-04	1.00E-03	9.89E-04	9.83E-04	0.00E+00	4.53E-05	6.48E-04	6.47E-04	3.78E-04	7.99E-04
385262.23754726.2	385262.2	3754726.2	4.21E-03	1.03E-03	3.59E-03	4.50E-03	7.55E-03	7.50E-03	2.49E-04	3.71E-03	7.58E-04	9.49E-04	9.40E-04	9.34E-04	0.00E+00	4.30E-05	6.12E-04	6.12E-04	3.55E-04	7.49E-04
385272.23754726.2	385272.2	3754726.2	3.81E-03	9.58E-04	3.20E-03	4.01E-03	6.69E-03	6.65E-03	2.21E-04	3.31E-03	7.17E-04	8.99E-04	8.94E-04	8.88E-04	0.00E+00	4.09E-05	5.80E-04	5.80E-04	3.33E-04	7.03E-04
385282.23754726.2	385282.2	3754726.2	3.46E-03	8.95E-04	2.87E-03	3.59E-03	5.97E-03	5.93E-03	1.97E-04	2.96E-03	6.80E-04	8.52E-04	8.51E-04	8.45E-04	0.00E+00	3.89E-05	5.50E-04	5.49E-04	3.13E-04	6.61E-04
385292.23754726.2	385292.2	3754726.2	3.16E-03	8.37E-04	2.58E-03	3.23E-03	5.36E-03	5.32E-03	1.77E-04	2.67E-03	6.45E-04	8.08E-04	8.10E-04	8.05E-04	0.00E+00	3.71E-05	5.21E-04	5.21E-04	2.95E-04	6.23E-04
385302.23754726.2	385302.2	3754726.2	2.90E-03	7.85E-04	2.33E-03	2.92E-03	4.83E-03	4.80E-03	1.59E-04	2.41E-03	6.12E-04	7.68E-04	7.72E-04	7.68E-04	0.00E+00	3.53E-05	4.95E-04	4.95E-04	2.78E-04	5.87E-04
385332.23754726.2	385332.2	3754726.2	2.28E-03	6.55E-04	1.77E-03	2.22E-03	3.64E-03	3.62E-03	1.20E-04	1.83E-03	5.28E-04	6.61E-04	6.72E-04	6.68E-04	0.00E+00	3.08E-05	4.27E-04	4.27E-04	2.35E-04	4.97E-04
385342.23754726.2	385342.2	3754726.2	2.11E-03	6.18E-04	1.63E-03	2.04E-03	3.34E-03	3.31E-03	1.10E-04	1.68E-03	5.03E-04	6.30E-04	6.42E-04	6.38E-04	0.00E+00	2.94E-05	4.07E-04	4.07E-04	2.23E-04	4.71E-04
385352.23754726.2	385352.2	3754726.2	1.97E-03	5.84E-04	1.50E-03	1.88E-03	3.07E-03	3.05E-03	1.01E-04	1.55E-03	4.80E-04	6.01E-04	6.15E-04	6.11E-04	0.00E+00	2.81E-05	3.88E-04	3.88E-04	2.11E-04	4.46E-04
385362.23754726.2	385362.2	3754726.2	1.83E-03	5.53E-04	1.39E-03	1.74E-03	2.83E-03	2.81E-03	9.35E-05	1.43E-03	4.58E-04	5.74E-04	5.88E-04	5.85E-04	0.00E+00	2.69E-05	3.71E-04	3.70E-04	2.01E-04	4.24E-04
385372.23754726.2	385372.2	3754726.2	1.71E-03	5.25E-04	1.28E-03	1.61E-03	2.62E-03	2.60E-03	8.65E-05	1.33E-03	4.38E-04	5.49E-04	5.64E-04	5.60E-04	0.00E+00	2.58E-05	3.54E-04	3.54E-04	1.91E-04	4.03E-04
385382.23754726.2	385382.2	3754726.2	1.60E-03	4.98E-04	1.19E-03	1.50E-03	2.43E-03	2.42E-03	8.02E-05	1.23E-03	4.19E-04	5.25E-04	5.41E-04	5.37E-04	0.00E+00	2.47E-05	3.39E-04	3.39E-04	1.82E-04	3.84E-04
385232.23754736.2	385232.2	3754736.2	5.92E-03	1.31E-03	5.61E-03	7.03E-03	1.21E-02	1.20E-02	4.00E-04	5.80E-03	1.01E-03	1.27E-03	1.24E-03	1.23E-03	0.00E+00	5.67E-05	8.19E-04	8.19E-04	4.26E-04	9.00E-04
385242.23754736.2	385242.2	3754736.2	5.28E-03	1.22E-03	4.89E-03	6.12E-03	1.05E-02	1.04E-02	3.46E-04	5.05E-03	9.51E-04	1.19E-03	1.17E-03	1.16E-03	0.00E+00	5.35E-05	7.69E-04	7.69E-04	3.99E-04	8.43E-04
385252.23754736.2	385252.2	3754736.2	4.73E-03	1.14E-03	4.29E-03	5.37E-03	9.14E-03	9.08E-03	3.02E-04	4.43E-03	8.94E-04	1.12E-03	1.11E-03	1.10E-03	0.00E+00	5.06E-05	7.23E-04	7.23E-04	3.74E-04	7.91E-04
385262.23754736.2	385262.2	3754736.2	4.27E-03	1.06E-03	3.79E-03	4.75E-03	8.04E-03	7.98E-03	2.65E-04	3.92E-03	8.42E-04	1.06E-03	1.05E-03	1.04E-03	0.00E+00	4.79E-05	6.81E-04	6.81E-04	3.52E-04	7.43E-04
385272.23754736.2	385272.2	3754736.2	3.87E-03	9.89E-04	3.37E-03	4.23E-03	7.12E-03	7.07E-03	2.35E-04	3.49E-03	7.94E-04	9.95E-04	9.91E-04	9.85E-04	0.00E+00	4.54E-05	6.42E-04	6.42E-04	3.31E-04	6.99E-04
385282.23754736.2	385282.2	3754736.2	3.53E-03	9.25E-04	3.02E-03	3.78E-03	6.34E-03	6.30E-03	2.09E-04	3.12E-03	7.49E-04	9.39E-04	9.40E-04	9.34E-04	0.00E+00	4.30E-05	6.06E-04	6.06E-04	3.12E-04	6.59E-04
385292.23754736.2	385292.2	3754736.2	3.22E-03	8.67E-04	2.72E-03	3.41E-03	5.68E-03	5.64E-03	1.87E-04	2.81E-03	7.09E-04	8.88E-04	8.92E-04	8.86E-04	0.00E+00	4.08E-05	5.73E-04	5.73E-04	2.94E-04	6.21E-04
385302.23754736.2	385302.2	3754736.2	2.96E-03	8.14E-04	2.46E-03	3.08E-03	5.12E-03	5.08E-03	1.69E-04	2.54E-03	6.71E-04	8.41E-04	8.47E-04	8.42E-04	0.00E+00	3.88E-05	5.42E-04	5.42E-04	2.78E-04	5.87E-04
385332.23754736.2	385332.2	3754736.2	2.33E-03	6.80E-04	1.86E-03	2.33E-03	3.84E-03	3.82E-03	1.27E-04	1.92E-03	5.73E-04	7.18E-04	7.31E-04	7.26E-04	0.00E+00	3.34E-05	4.63E-04	4.63E-04	2.36E-04	4.98E-04
385342.23754736.2	385342.2	3754736.2	2.16E-03	6.42E-04	1.71E-03	2.14E-03	3.52E-03	3.49E-03	1.16E-04	1.77E-03	5.45E-04	6.83E-04	6.97E-04	6.92E-04	0.00E+00	3.19E-05	4.41E-04	4.40E-04	2.23E-04	4.72E-04
385352.23754736.2	385352.2	3754736.2	2.01E-03	6.07E-04	1.57E-03	1.97E-03	3.23E-03	3.21E-03	1.07E-04	1.63E-03	5.19E-04	6.50E-04	6.65E-04	6.61E-04	0.00E+00	3.04E-05	4.19E-04	4.19E-04	2.12E-04	4.48E-04
385362.23754736.2	385362.2	3754736.2	1.88E-03	5.75E-04	1.45E-03	1.82E-03	2.98E-03	2.96E-03	9.83E-05	1.50E-03	4.94E-04	6.19E-04	6.35E-04	6.31E-04	0.00E+00	2.91E-05	3.99E-04	3.99E-04	2.02E-04	4.26E-04
385372.23754736.2	385372.2	3754736.2	1.76E-03	5.45E-04	1.35E-03	1.69E-03	2.75E-03	2.74E-03	9.09E-05	1.39E-03	4.71E-04	5.91E-04	6.07E-04	6.03E-04	0.00E+00	2.78E-05	3.81E-04	3.81E-04	1.92E-04	4.06E-04
385382.23754736.2	385382.2	3754736.2	1.65E-03	5.17E-04	1.25E-03	1.57E-03	2.55E-03	2.54E-03	8.43E-05	1.29E-03	4.50E-04	5.64E-04	5.81E-04	5.77E-04	0.00E+00	2.66E-05	3.64E-04	3.64E-04	1.83E-04	3.87E-04
385192.23754746.2	385192.2	3754746.2	1.00E-02	1.81E-03	1.12E-02	1.40E-02	2.51E-02	2.49E-02	8.28E-04	1.15E-02	1.52E-03	1.91E-03	1.81E-03	1.80E-03	0.00E+00	8.28E-05	1.23E-03	1.23E-03	5.40E-04	1.14E-03
385202.23754746.2	385202.2	3754746.2	8.62E-03	1.67E-03	9.31E-03	1.17E-02	2.07E-02	2.06E-02	6.84E-04	9.62E-03	1.41E-03	1.76E-03	1.69E-03	1.68E-03	0.00E+00	7.73E-05	1.14E-03	1.14E-03	5.05E-04	1.07E-03
385212.23754746.2	385212.2	3754746.2	7.52E-03	1.55E-03	7.86E-03	9.86E-03	1.74E-02	1.72E-02	5.73E-04	8.13E-03	1.31E-03	1.64E-03	1.58E-03	1.57E-03	0.00E+00	7.23E-05	1.06E-03	1.06E-03	4.73E-04	9.99E-04
385222.23754746.2	385222.2	3754746.2	6.62E-03	1.44E-03	6.72E-03	8.42E-03	1.47E-02	1.46E-02	4.85E-04	6.95E-03	1.22E-03	1.52E-03	1.48E-03	1.47E-03	0.00E+00	6.78E-05	9.83E-04	9.83E-04	4.43E-04	9.36E-04
385232.23754746.2	385232.2	3754746.2	5.88E-03	1.34E-03	5.81E-03	7.28E-03	1.26E-02	1.25E-02	4.16E-04	6.00E-03	1.13E-03	1.42E-03	1.39E-03	1.38E-03	0.00E+00	6.36E-05	9.17E-04	9.16E-04	4.16E-04	8.78E-04
385242.23754746.2	385242.2	3754746.2	5.26E-03	1.25E-03	5.06E-03	6.34E-03	1.09E-02	1.08E-02	3.60E-04	5.23E-03	1.06E-03	1.33E-03	1.31E-03	1.30E-03	0.00E+00	5.98E-05	8.56E-04	8.56E-04	3.91E-04	8.25E-04
385252.23754746.2	385252.2	3754746.2	4.73E-03	1.17E-03	4.44E-03	5.57E-03	9.52E-03	9.45E-03	3.14E-04	4.59E-03	9.91E-04	1.24E-03	1.23E-03	1.22E-03	0.00E+00	5.63E-05	8.01E-04	8.01E-04	3.67E-04	7.76E-04
385262.23754746.2	385262.2	3754746.2	4.28E-03	1.09E-03	3.93E-03	4.93E-03	8.37E-03	8.31E-03	2.76E-04	4.06E-03	9.29E-04	1.16E-03	1.16E-03	1.15E-03	0.00E+00	5.30E-05	7.51E-04	7.51E-04	3.46E-04	7.31E-04
385272.23754746.2	385272.2	3754746.2	3.89E-03	1.02E-03	3.50E-03	4.39E-03	7.41E-03	7.36E-03	2.45E-04	3.62E-03	8.73E-04	1.09E-03	1.09E-03	1.09E-03	0.00E+00	5.00E-05	7.06E-04	7.06E-04	3.26E-04	6.89E-04
385282.23754746.2	385282.2	3754746.2	3.55E-03	9.55E-04	3.13E-03	3.93E-03	6.61E-03	6.56E-03	2.18E-04	3.24E-03	8.21E-04	1.03E-03	1.03E-03	1.03E-03	0.00E+00	4.73E-05	6.64E-04	6.64E-04	3.08E-04	6.51E-04
385292.23754746.2	385292.2	3754746.2	3.25E-03	8.96E-04	2.82E-03	3.54E-03	5.92E-03	5.88E-03	1.95E-04	2.92E-03	7.74E-04	9.70E-04	9.77E-04	9.71E-04	0.00E+00	4.47E-05	6.26E-04	6.26E-04	2.91E-04	6.15E-04
385302.23754746.2	385302.2	3754746.2	2.99E-03	8.42E-04	2.55E-03	3.20E-03	5.33E-03	5.30E-03	1.76E-04	2.64E-03	7.30E-04	9.15E-04	9.25E-04	9.19E-04	0.00E+00	4.23E-05	5.91E-04	5.90E-04	2.75E-04	5.82E-04
385332.23754746.2	385332.2	3754746.2	2.36E-03	7.04E-04	1.93E-03	2.42E-03	4.00E-03	3.97E-03	1.32E-04	2.00E-03	6.19E-04	7.76E-04	7.92E-04	7.86E-04	0.00E+00	3.62E-05	5.01E-04	5.00E-04	2.35E-04	4.96E-04
385342.23754746.2	385342.2	3754746.2	2.20E-03	6.65E-04	1.78E-03	2.22E-03	3.66E-03	3.64E-03	1.21E-04	1.83E-03	5.87E-04	7.36E-04	7.53E-04	7.48E-04	0.00E+00	3.45E-05	4.75E-04	4.75E-04	2.23E-04	4.71E-04
385352.23754746.2	385352.2	3754746.2	2.05E-03	6.29E-04	1.63E-03	2.05E-03	3.37E-03	3.34E-03	1.11E-04	1.69E-03	5.58E-04	6.99E-04	7.17E-04	7.12E-04	0.00E+00	3.28E-05	4.51E-04	4.51E-04	2.12E-04	4.48E-04
385372.23754746.2	385372.2	3754746.2	1.79E-03	5.65E-04	1.40E-03	1.75E-03	2.87E-03	2.85E-03	9.46E-05	1.44E-03	5.05E-04	6.33E-04	6.52E-04	6.48E-04	0.00E+00	2.98E-05	4.08E-04	4.08E-04	1.92E-04	4.06E-04
385382.23754746.2	385382.2	3754746.2	1.68E-03	5.36E-04	1.30E-03	1.63E-03	2.65E-03	2.64E-03	8.76E-05	1.34E-03	4.81E-04	6.03E-04	6.22E-04	6.18E-04	0.00E+00	2.85E-05	3.89E-04	3.89E-04	1.83E-04	3.87E-04
385192.23754756.2	385192.2	3754756.2	9.61E-03	1.84E-03	1.13E-02	1.41E-02	2.50E-02	2.48E-02	8.25E-04	1.16E-02	1.73E-03	2.16E-03	2.06E-03	2.05E-03	0.00E+00	9.44E-05	1.39E-03	1.39E-03	5.14E-04	1.09E-03
385202.23754756.2	385202.2	3754756.2	8.32E-03	1.71E-03	9.40E-03	1.18E-02	2.07E-02	2.06E-02	6.84E-04	9.71E-03	1.59E-03	1.99E-03	1.91E-03	1.90E-03	0.00E+00	8.76E-05	1.28E-03	1.28E-03	4.83E-04	1.02E-03
385212.23754756.2	385212.2	3754756.2	7.29E-03	1.59E-03	7.95E-03	9.96E-03	1.74E-02	1.73E-02	5.75E-04	8.22E-03	1.46E-03	1.84E-03	1.78E-03	1.77E-03	0.00E+00	8.15E-05	1.18E-03	1.18E-03	4.54E-04	9.59E-04
385222.23754756.2	385222.2	3754756.2	6.45E-03	1.48E-03	6.81E-03	8.53E-03	1.48E-02	1.47E-02	4.89E-04	7.03E-03	1.36E-03	1.70E-03	1.66E-03	1.65E-03	0.00E+00	7.59E-05	1.10E-03	1.10E-03	4.27E-04	9.02E-04
385232.23754756.2	385232.2	3754756.2	5.75E-03	1.38E-03	5.89E-03	7.38E-03	1.27E-02	1.27E-02	4.20E-04	6.09E-03	1.26E-03	1.58E-03	1.55E-03	1.54E-03	0.00E+00	7.09E-05	1.02E-03	1.02E-03	4.02E-04	8.49E-04
385242.23754756.2	385242.2	3754756.2	5.16E-03	1.29E-03	5.14E-03	6.44E-03	1.11E-02	1.10E-02	3.65E-04	5.31E-03	1.17E-03	1.47E-03	1.45E-03	1.44E-03	0.00E+00	6.63E-05	9.46E-04	9.46E-04	3.79E-04	8.01E-04
385252.23754756.2	385252.2	3754756.2	4.66E-03	1.20E-03	4.52E-03	5.67E-03	9.68E-03	9.61E-03	3.19E-04	4.67E-03	1.09E-03	1.37E-03	1.36E-03	1.35E-03	0.00E+00	6.21E-05	8.82E-04	8.81E-04	3.58E-04	7.56E-04
385262.23754756.2	385262.2	3754756.2	4.23E-03	1.12E-03	4.01E-03	5.02E-03	8.53E-03	8.47E-03	2.81E-04	4.14E-03	1.02E-03	1.28E-03	1.27E-03	1.27E-03	0.00E+00	5.83E-05	8.24E-04	8.23E-04	3.38E-04	7.14E-04
385272.23754756.2	385272.2	3754756.2	3.86E-03	1.05E-03	3.57E-03	4.48E-03	7.57E-03	7.52E-03	2.50E-04	3.69E-03	9.53E-04	1.19E-03	1.20E-03	1.19E-03	0.00E+00	5.48E-05	7.71E-04	7.71E-04	3.19E-04	6.75E-04
385282.23754756.2	385282.2	3754756.2	3.53E-03	9.85E-04	3.20E-03	4.02E-03	6.76E-03	6.71E-03	2.23E-04	3.31E-03	8.94E-04	1.12E-03	1.13E-03	1.12E-03	0.00E+00	5.16E-05	7.23E-04	7.23E-04	3.02E-04	6.39E-04
385292.23754756.2	385292.2	3754756.2	3.24E-03	9.25E-04	2.89E-03	3.62E-03	6.06E-03	6.02E-03	2.00E-04	2.98E-03	8.40E-04	1.05E-03	1.06E-03	1.06E-03	0.00E+00	4.87E-05	6.79E-04	6.79E-04	2.86E-04	6.05E-04
385302.23754756.2	385302.2	3754756.2	2.99E-03	8.69E-04	2.61E-03	3.28E-03	5.47E-03	5.43E-03	1.80E-04	2.70E-03	7.91E-04	9.91E-04	1.00E-03	9.98E-04	0.00E+00	4.60E-05	6.39E-04	6.39E-04	2.71E-04	5.73E-04
385332.23754756.2	385332.2	3754756.2	2.37E-03	7.27E-04	1.99E-03	2.49E-03	4.11E-03	4.08E-03	1.36E-04	2.05E-03	6.65E-04	8.34E-04	8.53E-04	8.48E-04	0.00E+00	3.90E-05	5.38E-04	5.38E-04	2.33E-04	4.91E-04
385342.23754756.2	385342.2	3754756.2	2.21E-03	6.87E-04	1.82E-03	2.29E-03	3.77E-03	3.74E-03	1.24E-04	1.88E-03	6.30E-04	7.89E-04	8.10E-04	8.05E-04	0.00E+00	3.71E-05	5.09E-04	5.09E-04	2.21E-04	4.68E-04
385352.23754756.2	385352.2	3754756.2	2.06E-03	6.50E-04	1.68E-03	2.11E-03	3.46E-03	3.44E-03	1.14E-04	1.74E-03	5.97E-04	7.48E-04	7.69E-04	7.64E-04	0.00E+00	3.52E-05	4.83E-04	4.83E-04	2.11E-04	4.45E-04
385192.23754766.2	385192.2	3754766.2	8.99E-03	1.92E-03	1.11E-02	1.39E-02	2.40E-02	2.38E-02	7.92E-04	1.15E-02	1.93E-03	2.42E-03	2.33E-03	2.31E-03	0.00E+00	1.07E-04	1.56E-03	1.56E-03	4.84E-04	1.02E-03
385202.23754766.2	385202.2	3754766.2	7.85E-03	1.77E-03	9.27E-03	1.16E-02	2.00E-02	1.99E-02	6.61E-04	9.58E-03	1.77E-03	2.22E-03	2.15E-03	2.13E-03	0.00E+00	9.83E-05	1.43E-03	1.43E-03	4.57E-04	9.65E-04
385212.23754766.2	385212.2	3754766.2	6.93E-03	1.65E-03	7.85E-03	9.84E-03	1.69E-02	1.68E-02	5.59E-04	8.12E-03	1.62E-03	2.03E-03	1.99E-03	1.97E-03	0.00E+00	9.09E-05	1.31E-03	1.31E-03	4.31E-04	9.11E-04
385222.23754766.2	385222.2	3754766.2	6.17E-03	1.53E-03	6.74E-03	8.45E-03	1.45E-02	1.44E-02	4.78E-04	6.97E-03	1.50E-03	1.87E-03	1.84E-03	1.83E-03	0.00E+00	8.43E-05	1.21E-03	1.21E-03	4.08E-04	8.61E-04
385232.23754766.2	385232.2	3754766.2	5.53E-03	1.43E-03	5.85E-03	7.33E-03	1.25E-02	1.24E-02	4.14E-04	6.04E-03	1.38E-03	1.73E-03	1.71E-03	1.70E-03	0.00E+00	7.84E-05	1.12E-03	1.12E-03	3.85E-04	8.15E-04
385242.23754766.2	385242.2	3754766.2	5.00E-03	1.33E-03	5.12E-03	6.42E-03	1.09E-02	1.09E-02	3.61E-04	5.29E-03	1.28E-03	1.60E-03	1.60E-03	1.59E-03	0.00E+00	7.30E-05	1.04E-03	1.03E-03	3.65E-04	7.71E-04
385252.23754766.2	385252.2	3754766.2	4.53E-03	1.24E-03	4.52E-03	5.66E-03	9.61E-03	9.54E-03	3.17E-04	4.67E-03	1.19E-03	1.49E-03	1.49E-03	1.48E-03	0.00E+00	6.81E-05	9.61E-04	9.61E-04	3.45E-04	7.30E-04
385262.23754766.2	385262.2	3754766.2	4.13E-03	1.16E-03	4.01E-03	5.03E-03	8.51E-03	8.45E-03	2.81E-04	4.15E-03	1.11E-03	1.39E-03	1.39E-03	1.38E-03	0.00E+00	6.37E-05	8.95E-04	8.95E-04	3.27E-04	6.92E-04
385272.23754766.2	385272.2	3754766.2	3.78E-03	1.08E-03	3.59E-03	4.50E-03	7.57E-03	7.52E-03	2.50E-04	3.71E-03	1.03E-03	1.29E-03	1.30E-03	1.30E-03	0.00E+00	5.97E-05	8.35E-04	8.35E-04	3.10E-04	6.56E-04
385282.23754766.2	385282.2	3754766.2	3.47E-03	1.02E-03	3.22E-03	4.04E-03	6.78E-03	6.73E-03	2.24E-04	3.33E-03	9.66E-04	1.21E-03	1.22E-03	1.22E-03	0.00E+00	5.61E-05	7.81E-04	7.81E-04	2.94E-04	6.22E-04
385292.23754766.2	385292.2	3754766.2	3.20E-03	9.53E-04	2.91E-03	3.65E-03	6.10E-03	6.06E-03	2.01E-04	3.01E-03	9.06E-04	1.13E-03	1.15E-03	1.14E-03	0.00E+00	5.27E-05	7.32E-04	7.32E-04	2.80E-04	5.91E-04
385302.23754766.2	385302.2	3754766.2	2.95E-03	8.96E-04	2.64E-03	3.31E-03	5.51E-03	5.48E-03	1.82E-04	2.73E-03	8.50E-04	1.07E-03	1.08E-03	1.08E-03	0.00E+00	4.96E-05	6.87E-04	6.87E-04	2.66E-04	5.61E-04
385192.23754776.2	385192.2	3754776.2	8.19E-03	2.04E-03	1.06E-02	1.33E-02	2.21E-02	2.19E-02	7.29E-04	1.09E-02	2.13E-03	2.67E-03	2.60E-03	2.58E-03	0.00E+00	1.19E-04	1.72E-03	1.72E-03	4.51E-04	9.53E-04
385202.23754776.2	385202.2	3754776.2	7.25E-03	1.88E-03	8.88E-03	1.11E-02	1.86E-02	1.85E-02	6.15E-04	9.18E-03	1.94E-03	2.43E-03	2.38E-03	2.37E-03	0.00E+00	1.09E-04	1.57E-03	1.57E-03	4.28E-04	9.05E-04
385212.23754776.2	385212.2	3754776.2	6.46E-03	1.73E-03	7.56E-03	9.47E-03	1.59E-02	1.58E-02	5.26E-04	7.81E-03	1.78E-03	2.23E-03	2.19E-03	2.18E-03	0.00E+00	1.00E-04	1.44E-03	1.44E-03	4.07E-04	8.59E-04
385222.23754776.2	385222.2	3754776.2	5.81E-03	1.60E-03	6.52E-03	8.17E-03	1.38E-02	1.37E-02	4.54E-04	6.74E-03	1.63E-03	2.04E-03	2.03E-03	2.01E-03	0.00E+00	9.27E-05	1.32E-03	1.32E-03	3.86E-04	8.16E-04
385232.23754776.2	385232.2	3754776.2	5.25E-03	1.48E-03	5.68E-03	7.12E-03	1.20E-02	1.19E-02	3.96E-04	5.87E-03	1.50E-03	1.88E-03	1.87E-03	1.86E-03	0.00E+00	8.58E-05	1.21E-03	1.21E-03	3.67E-04	7.75E-04
385242.23754776.2	385242.2	3754776.2	4.77E-03	1.38E-03	5.00E-03	6.26E-03	1.05E-02	1.05E-02	3.48E-04	5.16E-03	1.39E-03	1.74E

P2Building Construction	P2Building Construction	P2Architectural Coating	P2Paving	P2Paving	P3Demolition	P3Grading	P3Building Construction	P3Building Construction	P3Architectural Coating	P3Paving	P3Paving	P9Demolition	P9Grading	P9Building Construction	P9Building Construction	P9Building Construction	P9Architectural Coating	P9Paving	P8Demolition	P8Grading	P8Building Construction
2026	2027	2027	2027	2028	2026	2026	2026	2027	2027	2027	2028	2032	2032	2032	2033	0	2033	2033	2032	2032	2032
5.28E-04	5.28E-04	4.48E-05	1.16E-03	1.16E-03	1.98E-04	4.18E-04	4.71E-04	4.71E-04	4.00E-05	1.04E-03	1.04E-03	8.76E-04	1.80E-03	1.47E-03	1.46E-03	0.00E+00	5.62E-05	7.08E-04	3.30E-04	4.14E-04	5.49E-04
5.00E-04	5.00E-04	4.25E-05	1.10E-03	1.10E-03	1.87E-04	3.96E-04	4.47E-04	4.47E-04	3.79E-05	9.90E-04	9.89E-04	8.26E-04	1.70E-03	1.38E-03	1.38E-03	0.00E+00	5.29E-05	6.67E-04	3.22E-04	4.03E-04	5.36E-04
4.75E-04	4.75E-04	4.03E-05	1.05E-03	1.05E-03	1.78E-04	3.76E-04	4.24E-04	4.24E-04	3.60E-05	9.39E-04	9.38E-04	7.79E-04	1.59E-03	1.30E-03	1.30E-03	0.00E+00	4.99E-05	6.30E-04	3.14E-04	3.93E-04	5.22E-04
4.51E-04	4.51E-04	3.83E-05	9.96E-04	9.95E-04	1.69E-04	3.57E-04	4.03E-04	4.03E-04	3.42E-05	8.93E-04	8.92E-04	7.36E-04	1.50E-03	1.23E-03	1.23E-03	0.00E+00	4.72E-05	5.95E-04	3.06E-04	3.83E-04	5.09E-04
4.30E-04	4.30E-04	3.64E-05	9.48E-04	9.47E-04	1.61E-04	3.40E-04	3.84E-04	3.84E-04	3.26E-05	8.49E-04	8.48E-04	6.97E-04	1.41E-03	1.16E-03	1.16E-03	0.00E+00	4.46E-05	5.63E-04	2.98E-04	3.73E-04	4.96E-04
1.04E-03	1.04E-03	8.81E-05	2.28E-03	2.28E-03	4.11E-04	8.68E-04	9.78E-04	9.78E-04	8.30E-05	2.17E-03	2.17E-03	1.93E-03	2.53E-03	3.25E-03	3.24E-03	0.00E+00	1.24E-04	1.56E-03	5.28E-04	6.62E-04	8.29E-04
9.70E-04	9.70E-04	8.23E-05	2.13E-03	2.13E-03	3.82E-04	8.07E-04	9.10E-04	9.10E-04	7.72E-05	2.02E-03	2.01E-03	1.78E-03	2.41E-03	2.99E-03	2.99E-03	0.00E+00	1.15E-04	1.44E-03	5.08E-04	6.37E-04	8.05E-04
9.08E-04	9.08E-04	7.70E-05	2.00E-03	1.99E-03	3.56E-04	7.52E-04	8.48E-04	8.48E-04	7.19E-05	1.88E-03	1.88E-03	1.64E-03	2.32E-03	2.77E-03	2.76E-03	0.00E+00	1.06E-04	1.33E-03	4.90E-04	6.14E-04	7.82E-04
8.51E-04	8.51E-04	7.22E-05	1.87E-03	1.87E-03	3.32E-04	7.02E-04	7.92E-04	7.92E-04	6.72E-05	1.75E-03	1.75E-03	1.52E-03	2.25E-03	2.56E-03	2.56E-03	0.00E+00	9.82E-05	1.23E-03	4.73E-04	5.93E-04	7.61E-04
7.99E-04	7.99E-04	6.78E-05	1.76E-03	1.76E-03	3.11E-04	6.57E-04	7.41E-04	7.41E-04	6.29E-05	1.64E-03	1.64E-03	1.42E-03	2.19E-03	2.38E-03	2.37E-03	0.00E+00	9.11E-05	1.14E-03	4.57E-04	5.73E-04	7.41E-04
7.51E-04	7.51E-04	6.37E-05	1.65E-03	1.65E-03	2.91E-04	6.16E-04	6.95E-04	6.95E-04	5.89E-05	1.54E-03	1.54E-03	1.32E-03	2.13E-03	2.21E-03	2.21E-03	0.00E+00	8.48E-05	1.06E-03	4.43E-04	5.55E-04	7.22E-04
7.07E-04	7.07E-04	6.00E-05	1.56E-03	1.55E-03	2.74E-04	5.78E-04	6.53E-04	6.53E-04	5.54E-05	1.44E-03	1.44E-03	1.23E-03	2.07E-03	2.06E-03	2.06E-03	0.00E+00	7.91E-05	9.93E-04	4.29E-04	5.38E-04	7.03E-04
6.67E-04	6.67E-04	5.65E-05	1.47E-03	1.47E-03	2.57E-04	5.44E-04	6.14E-04	6.14E-04	5.21E-05	1.36E-03	1.36E-03	1.15E-03	2.00E-03	1.93E-03	1.92E-03	0.00E+00	7.39E-05	9.29E-04	4.17E-04	5.23E-04	6.85E-04
5.63E-04	5.63E-04	4.78E-05	1.24E-03	1.24E-03	2.16E-04	4.57E-04	5.16E-04	5.16E-04	4.38E-05	1.14E-03	1.14E-03	9.49E-04	1.76E-03	1.59E-03	1.59E-03	0.00E+00	6.09E-05	7.67E-04	3.83E-04	4.80E-04	6.33E-04
5.34E-04	5.34E-04	4.53E-05	1.18E-03	1.17E-03	2.05E-04	4.33E-04	4.89E-04	4.89E-04	4.15E-05	1.08E-03	1.08E-03	8.93E-04	1.67E-03	1.50E-03	1.49E-03	0.00E+00	5.73E-05	7.22E-04	3.73E-04	4.67E-04	6.16E-04
5.06E-04	5.06E-04	4.29E-05	1.12E-03	1.11E-03	1.94E-04	4.10E-04	4.63E-04	4.63E-04	3.93E-05	1.02E-03	1.02E-03	8.42E-04	1.59E-03	1.41E-03	1.41E-03	0.00E+00	5.40E-05	6.80E-04	3.62E-04	4.54E-04	5.99E-04
4.81E-04	4.81E-04	4.08E-05	1.06E-03	1.06E-03	1.84E-04	3.89E-04	4.40E-04	4.40E-04	3.73E-05	9.71E-04	9.70E-04	7.95E-04	1.50E-03	1.33E-03	1.33E-03	0.00E+00	5.10E-05	6.42E-04	3.52E-04	4.42E-04	5.83E-04
4.57E-04	4.57E-04	3.88E-05	1.01E-03	1.01E-03	1.75E-04	3.69E-04	4.18E-04	4.18E-04	3.54E-05	9.23E-04	9.22E-04	7.51E-04	1.42E-03	1.26E-03	1.25E-03	0.00E+00	4.82E-05	6.07E-04	3.43E-04	4.30E-04	5.67E-04
4.35E-04	4.35E-04	3.69E-05	9.59E-04	9.58E-04	1.66E-04	3.51E-04	3.97E-04	3.97E-04	3.37E-05	8.78E-04	8.77E-04	7.11E-04	1.34E-03	1.19E-03	1.19E-03	0.00E+00	4.56E-05	5.75E-04	3.33E-04	4.18E-04	5.51E-04
1.03E-03	1.03E-03	8.70E-05	2.25E-03	2.25E-03	4.23E-04	8.93E-04	1.01E-03	1.01E-03	8.56E-05	2.23E-03	2.23E-03	1.92E-03	2.35E-03	3.24E-03	3.23E-03	0.00E+00	1.24E-04	1.55E-03	6.08E-04	7.62E-04	9.51E-04
9.61E-04	9.61E-04	8.15E-05	2.11E-03	2.10E-03	3.93E-04	8.30E-04	9.39E-04	9.39E-04	7.96E-05	2.07E-03	2.07E-03	1.78E-03	2.23E-03	2.99E-03	2.99E-03	0.00E+00	1.15E-04	1.43E-03	5.85E-04	7.33E-04	9.23E-04
9.01E-04	9.01E-04	7.64E-05	1.98E-03	1.97E-03	3.66E-04	7.74E-04	8.75E-04	8.75E-04	7.42E-05	1.93E-03	1.93E-03	1.65E-03	2.13E-03	2.77E-03	2.76E-03	0.00E+00	1.06E-04	1.33E-03	5.63E-04	7.06E-04	8.97E-04
8.46E-04	8.46E-04	7.18E-05	1.86E-03	1.85E-03	3.42E-04	7.23E-04	8.17E-04	8.17E-04	6.93E-05	1.81E-03	1.80E-03	1.53E-03	2.05E-03	2.57E-03	2.57E-03	0.00E+00	9.85E-05	1.23E-03	5.43E-04	6.81E-04	8.72E-04
7.96E-04	7.96E-04	6.75E-05	1.75E-03	1.74E-03	3.20E-04	6.76E-04	7.65E-04	7.65E-04	6.49E-05	1.69E-03	1.69E-03	1.42E-03	1.98E-03	2.39E-03	2.39E-03	0.00E+00	9.16E-05	1.15E-03	5.25E-04	6.58E-04	8.48E-04
7.49E-04	7.49E-04	6.36E-05	1.65E-03	1.64E-03	3.00E-04	6.34E-04	7.17E-04	7.17E-04	6.08E-05	1.58E-03	1.58E-03	1.33E-03	1.92E-03	2.23E-03	2.22E-03	0.00E+00	8.54E-05	1.07E-03	5.08E-04	6.36E-04	8.25E-04
7.06E-04	7.06E-04	5.99E-05	1.55E-03	1.55E-03	2.82E-04	5.95E-04	6.73E-04	6.73E-04	5.71E-05	1.49E-03	1.49E-03	1.24E-03	1.87E-03	2.08E-03	2.08E-03	0.00E+00	7.97E-05	1.00E-03	4.92E-04	6.17E-04	8.02E-04
6.67E-04	6.67E-04	5.66E-05	1.47E-03	1.46E-03	2.65E-04	5.60E-04	6.33E-04	6.33E-04	5.37E-05	1.40E-03	1.40E-03	1.16E-03	1.81E-03	1.95E-03	1.94E-03	0.00E+00	7.46E-05	9.37E-04	4.77E-04	5.98E-04	7.79E-04
5.66E-04	5.66E-04	4.80E-05	1.24E-03	1.24E-03	2.23E-04	4.71E-04	5.32E-04	5.32E-04	4.52E-05	1.18E-03	1.17E-03	9.60E-04	1.62E-03	1.61E-03	1.61E-03	0.00E+00	6.17E-05	7.76E-04	4.36E-04	5.46E-04	7.14E-04
5.37E-04	5.37E-04	4.55E-05	1.18E-03	1.18E-03	2.11E-04	4.45E-04	5.04E-04	5.04E-04	4.27E-05	1.11E-03	1.11E-03	9.04E-04	1.55E-03	1.52E-03	1.51E-03	0.00E+00	5.81E-05	7.31E-04	4.23E-04	5.30E-04	6.93E-04
5.09E-04	5.09E-04	4.32E-05	1.12E-03	1.12E-03	2.00E-04	4.22E-04	4.77E-04	4.77E-04	4.05E-05	1.05E-03	1.05E-03	8.53E-04	1.48E-03	1.43E-03	1.43E-03	0.00E+00	5.48E-05	6.89E-04	4.10E-04	5.14E-04	6.72E-04
4.84E-04	4.84E-04	4.11E-05	1.07E-03	1.06E-03	1.89E-04	4.00E-04	4.53E-04	4.53E-04	3.84E-05	1.00E-03	9.99E-04	8.06E-04	1.41E-03	1.35E-03	1.35E-03	0.00E+00	5.17E-05	6.51E-04	3.98E-04	4.99E-04	6.52E-04
4.61E-04	4.61E-04	3.91E-05	1.01E-03	1.01E-03	1.80E-04	3.80E-04	4.30E-04	4.30E-04	3.65E-05	9.50E-04	9.49E-04	7.62E-04	1.34E-03	1.28E-03	1.27E-03	0.00E+00	4.89E-05	6.16E-04	3.86E-04	4.84E-04	6.32E-04
4.39E-04	4.39E-04	3.72E-05	9.66E-04	9.65E-04	1.71E-04	3.61E-04	4.09E-04	4.09E-04	3.47E-05	9.03E-04	9.02E-04	7.22E-04	1.28E-03	1.21E-03	1.21E-03	0.00E+00	4.63E-05	5.83E-04	3.74E-04	4.69E-04	6.13E-04
1.31E-03	1.31E-03	1.11E-04	2.85E-03	2.85E-03	5.89E-04	1.24E-03	1.41E-03	1.41E-03	1.20E-04	3.11E-03	3.11E-03	2.62E-03	2.81E-03	4.44E-03	4.43E-03	0.00E+00	1.70E-04	2.12E-03	8.33E-04	1.04E-03	1.27E-03
1.22E-03	1.22E-03	1.04E-04	2.67E-03	2.66E-03	5.42E-04	1.15E-03	1.30E-03	1.30E-03	1.10E-04	2.86E-03	2.86E-03	2.41E-03	2.63E-03	4.07E-03	4.07E-03	0.00E+00	1.56E-04	1.95E-03	8.00E-04	1.00E-03	1.22E-03
1.14E-03	1.14E-03	9.71E-05	2.50E-03	2.49E-03	5.01E-04	1.06E-03	1.20E-03	1.20E-03	1.02E-04	2.64E-03	2.64E-03	2.22E-03	2.47E-03	3.75E-03	3.74E-03	0.00E+00	1.44E-04	1.79E-03	7.69E-04	9.63E-04	1.18E-03
1.07E-03	1.07E-03	9.09E-05	2.34E-03	2.34E-03	4.64E-04	9.80E-04	1.11E-03	1.11E-03	9.42E-05	2.45E-03	2.45E-03	2.05E-03	2.32E-03	3.45E-03	3.45E-03	0.00E+00	1.32E-04	1.65E-03	7.38E-04	9.25E-04	1.14E-03
1.00E-03	1.00E-03	8.52E-05	2.19E-03	2.19E-03	4.30E-04	9.10E-04	1.03E-03	1.03E-03	8.75E-05	2.27E-03	2.27E-03	1.89E-03	2.19E-03	3.19E-03	3.19E-03	0.00E+00	1.22E-04	1.53E-03	7.09E-04	8.88E-04	1.10E-03
9.43E-04	9.43E-04	8.00E-05	2.06E-03	2.06E-03	4.01E-04	8.47E-04	9.60E-04	9.60E-04	8.14E-05	2.11E-03	2.11E-03	1.75E-03	2.08E-03	2.96E-03	2.95E-03	0.00E+00	1.13E-04	1.42E-03	6.81E-04	8.53E-04	1.07E-03
8.86E-04	8.86E-04	7.52E-05	1.94E-03	1.94E-03	3.74E-04	7.89E-04	8.95E-04	8.95E-04	7.59E-05	1.97E-03	1.97E-03	1.63E-03	1.98E-03	2.75E-03	2.74E-03	0.00E+00	1.05E-04	1.32E-03	6.55E-04	8.21E-04	1.04E-03
8.34E-04	8.34E-04	7.08E-05	1.83E-03	1.82E-03	3.49E-04	7.37E-04	8.36E-04	8.36E-04	7.09E-05	1.84E-03	1.84E-03	1.52E-03	1.89E-03	2.55E-03	2.55E-03	0.00E+00	9.79E-05	1.23E-03	6.31E-04	7.91E-04	1.01E-03
7.86E-04	7.86E-04	6.67E-05	1.72E-03	1.72E-03	3.27E-04	6.90E-04	7.82E-04	7.82E-04	6.64E-05	1.72E-03	1.72E-03	1.41E-03	1.82E-03	2.38E-03	2.37E-03	0.00E+00	9.12E-05	1.14E-03	6.09E-04	7.63E-04	9.78E-04
7.42E-04	7.42E-04	6.30E-05	1.63E-03	1.62E-03	3.06E-04	6.48E-04	7.34E-04	7.34E-04	6.23E-05	1.62E-03	1.62E-03	1.32E-03	1.76E-03	2.22E-03	2.22E-03	0.00E+00	8.52E-05	1.07E-03	5.88E-04	7.37E-04	9.49E-04
7.01E-04	7.01E-04	5.95E-05	1.54E-03	1.53E-03	2.88E-04	6.08E-04	6.89E-04	6.89E-04	5.85E-05	1.52E-03	1.52E-03	1.24E-03	1.70E-03	2.08E-03	2.07E-03	0.00E+00	7.97E-05	1.00E-03	5.69E-04	7.13E-04	9.20E-04
6.63E-04	6.63E-04	5.62E-05	1.45E-03	1.45E-03	2.71E-04	5.72E-04	6.49E-04	6.49E-04	5.50E-05	1.43E-03	1.43E-03	1.16E-03	1.65E-03	1.95E-03	1.94E-03	0.00E+00	7.47E-05	9.37E-04	5.50E-04	6.90E-04	8.91E-04
5.65E-04	5.65E-04	4.79E-05	1.24E-03	1.24E-03	2.28E-04	4.81E-04	5.46E-04	5.46E-04	4.63E-05	1.20E-03	1.20E-03	9.65E-04	1.49E-03	1.62E-03	1.61E-03	0.00E+00	6.20E-05	7.79E-04	4.99E-04	6.25E-04	8.09E-04
5.36E-04	5.36E-04	4.55E-05	1.18E-03	1.18E-03	2.16E-04	4.56E-04	5.16E-04	5.16E-04	4.38E-05	1.14E-03	1.14E-03	9.10E-04	1.44E-03	1.53E-03	1.52E-03	0.00E+00	5.84E-05	7.35E-04	4.83E-04	6.05E-04	7.82E-04
5.10E-04	5.10E-04	4.33E-05	1.12E-03	1.12E-03	2.04E-04	4.32E-04	4.89E-04	4.89E-04	4.15E-05	1.08E-03	1.08E-03	8.59E-04	1.38E-03	1.44E-03	1.44E-03	0.00E+00	5.52E-05	6.94E-04	4.67E-04	5.85E-04	7.56E-04
4.62E-04	4.62E-04	3.92E-05	1.02E-03	1.01E-03	1.84E-04	3.89E-04	4.41E-04	4.41E-04	3.74E-05	9.72E-04	9.71E-04	7.69E-04	1.26E-03	1.29E-03	1.28E-03	0.00E+00	4.93E-05	6.21E-04	4.36E-04	5.46E-04	7.06E-04
4.40E-04	4.40E-04	3.74E-05	9.68E-04	9.67E-04	1.75E-04	3.70E-04	4.19E-04	4.19E-04	3.56E-05	9.24E-04	9.23E-04	7.28E-04	1.21E-03	1.22E-03	1.22E-03	0.00E+00	4.67E-05	5.89E-04	4.21E-04	5.27E-04	6.82E-04
1.25E-03	1.25E-03	1.06E-04	2.71E-03	2.71E-03	5.89E-04	1.25E-03	1.42E-03	1.42E-03	1.20E-04	3.11E-03	3.11E-03	2.51E-03	2.61E-03	4.25E-03	4.24E-03	0.00E+00	1.63E-04	2.03E-03	9.90E-04	1.24E-03	1.50E-03
1.17E-03	1.17E-03	9.95E-05	2.55E-03	2.54E-03	5.44E-04	1.15E-03	1.31E-03	1.31E-03	1.11E-04	2.87E-03	2.87E-03	2.32E-03	2.45E-03	3.92E-03	3.91E-03	0.00E+00	1.50E-04	1.87E-03	9.51E-04	1.19E-03	1.44E-03
1.10E-03	1.10E-03	9.34E-05	2.39E-03	2.39E-03	5.03E-04	1.06E-03	1.21E-03	1.21E-03	1.03E-04	2.66E-03	2.65E-03	2.14E-03	2.31E-03	3.62E-03	3.61E-03	0.00E+00	1.39E-04	1.73E-03	9.12E-04	1.14E-03	1.39E-03
1.04E-03	1.04E-03	8.78E-05	2.25E-03	2.25E-03	4.67E-04	9.87E-04	1.12E-03	1.12E-03	9.52E-05	2.46E-03	2.46E-03	1.99E-03	2.17E-03	3.35E-03	3.34E-03	0.00E+00	1.28E-04	1.60E-03	8.74E-04	1.10E-03	1.34E-03
9.74E-04	9.74E-04	8.26E-05	2.12E-03	2.12E-03	4.34E-04	9.17E-04	1.04E-03	1.04E-03	8.85E-05	2.29E-03	2.29E-03	1.84E-03	2.05E-03	3.11E-03	3.10E-03	0.00E+00	1.19E-04	1.49E-03	8.38E-04	1.05E-03	1.30E-03
9.18E-04	9.18E-04	7.79E-05	2.00E-03	2.00E-03	4.05E-04	8.55E-04	9.72E-04	9.72E-04	8.24E-05	2.14E-03	2.13E-03	1.72E-03	1.94E-03	2.89E-03	2.89E-03	0.00E+00	1.11E-04	1.39E-03	8.03E-04	1.01E-03	1.26E-03
8.65E-04	8.65E-04	7.34E-05	1.89E-03	1.89E-03	3.78E-04	7.98E-04	9.07E-04	9.07E-04	7.69E-05	1.99E-03	1.99E-03	1.60E-03	1.85E-03	2.69E-03	2.69E-03	0.00E+00	1.03E-04	1.29E-03	7.71E-04	9.66E-04	1.22E-03
8.17E-04	8.17E-04	6.93E-05	1.78E-03	1.78E-03	3.53E-04	7.46E-04	8.48E-04	8.48E-04	7.19E-05	1.86E-03	1.86E-03	1.49E-03	1.76E-03	2.51E-03	2.51E-03	0.00E+00	9.63E-05	1.21E-03	7.42E-04	9.29E-04	1.18E-03
7.72E-04	7.72E-04	6.55E-05	1.69E-03	1.68E-03	3.31E-04	6.99E-04	7.94E-04	7.94E-04	6.74E-05	1.75E-03	1.75E-03	1.39E-03	1.69E-03	2.35E-03	2.34E-03	0.00E+00	9.00E-05	1.13E-03	7.14E-04	8.95E-04	1.14E-03
7.30E-04	7.30E-04	6.19E-05	1.60E-03	1.59E-03	3.11E-04	6.57E-04	7.46E-04	7.46E-04	6.32E-05	1.64E-03	1.64E-03	1.31E-03	1.63E-03	2.20E-03	2.19E-03	0.00E+00	8.42E-05	1.06E-03	6.88E-04	8.62E-04	1.10E-03
6.91E-04	6.91E-04	5.86E-05	1.51E-03	1.51E-03	2.92E-04	6.17E-04	7.01E-04	7.01E-04	5.95E-05	1.54E-03	1.54E-03	1.23E-03	1.57E-03	2.06E-03	2.06E-03	0.00E+00	7.89E-05	9.90E-04	6.64E-04	8.32E-04	1.06E-03
6.55E-04	6.55E-04	5.55E-05	1.43E-03	1.43E-03	2.75E-04	5.81E-04	6.60E-04	6.60E-04	5.60E-05	1.45E-03	1.45E-03	1.15E-03	1.52E-03	1.93E-03	1.93E-03	0.00E+00	7.41E-05	9.30E-04	6.40E-04	8.02E-04	1.02E-03
5.60E-04	5.60E-04	4.75E-05	1.23E-03	1.23E-03	2.32E-04	4.90E-04	5.56E-04	5.56E-04	4.71E-05	1.22E-03	1.22E-03	9.62E-04	1.38E-03	1.61E-03	1.61E-03	0.00E+00	6.19E-05	7.77E-04	5.74E-04	7.19E-04	9.17E-04
5.33E-04	5.33E-04	4.52E-05	1.17E-03	1.17E-03	2.19E-04	4.64E-04	5.26E-04	5.26E-04	4.46E-05	1.16E-03	1.16E-03	9.09E-04	1.33E-03	1.52E-03	1.52E-03	0.00E+00	5.84E-05	7.34E-04	5.53E-04	6.93E-04	8.83E-04
5.08E-04	5.08E-04	4.31E-05	1.11E-03	1.11E-03	2.08E-04	4.40E-04	4.99E-04	4.99E-04	4.23E-05	1.10E-03	1.10E-03	8.59E-04	1.29E-03	1.44E-03	1.44E-03	0.00E+00	5.52E-05	6.94E-04	5.32E-04	6.67E-04	8.51E-04
1.18E-03	1.18E-03	1.00E-04	2.55E-03	2.55E-03	5.83E-04	1.23E-03	1.41E-03	1.41E-03	1.19E-04	3.08E-03	3.07E-03	2.37E-03	2.41E-03	4.00E-03	3.99E-03	0.00E+00	1.53E-04	1.91E-03	1.20E-03	1.50E-03	1.79E-03
1.11E-03	1.11E-03	9.44E-05	2.41E-03	2.41E-03	5.39E-04	1.14E-03	1.30E-03	1.30E-03	1.10E-04	2.85E-03	2.84E-03	2.20E-03	2.27E-03	3.71E-03	3.71E-03	0.00E+00	1.42E-04	1.78E-03	1.15E-03	1.44E-03	1.72E-03
1.05E-03	1.05E-03	8.91E-05	2.28E-03	2.27E-03	5.00E-04	1.06E-03	1.21E-03	1.21E-03	1.02E-04	2.64E-03	2.64E-03	2.04E-03	2.14E-03	3.45E-03	3.44E-03	0.00E+00	1.32E-04	1.65E-03	1.10E-03	1.38E-03	1.66E-03
9.92E-04	9.92E-04	8.41E-05	2.15E-03	2.15E-03	4.65E-04	9.83E-04	1.12E-03	1.12E-03	9.51E-05	2.46E-03	2.45E-03	1.90E-03	2.02E-03	3.21E-03	3.21E-03	0.00E+00	1.23E-04	1.54E-03	1.05E-03	1.32E-03	1.60E-03
9.37E-04	9.37E-04	7.95E-05	2.03E-03	2.03E-03	4.33E-04	9.16E-04	1.04E-03	1.04E-03	8.85E-05	2.29E-03	2.29E-03	1.78E-03	1.92E-03	2.99E-03	2.99E-03	0.00E+00	1.15E-04	1.43E-03	1.01E-03	1.26E-03	1.54E-03
8.86E-04	8.86E-04	7.51E-05	1.93E-03	1.92E-03	4.05E-04	8.55E-04	9.74E-04	9.74E-04	8.26E-05	2.14E-03	2.13E-03	1.66E-03	1.82E-03	2.80E-03	2.79E-03	0.00E+00	1.07E-04	1.34E-03	9.61E-04	1.20E-03	1.49E-03
8.38E-04	8.38E-04	7.11E-05	1.82E-03	1.82E-03	3.78E-04	8.00E-04	9.11E-04	9.11E-04	7.73E-05	2.00E-03	2.00E-03	1.55E-03	1.73E-03	2.61E-03	2.61E-03	0.00E+00	1.00E-04	1.25E-03	9.20E-04	1.15E-03	1.44E-03
7.93E-04	7.93E-04	6.73E-05	1.73E-03	1.73E-03	3.54E-04	7.49E-04	8.53E-04	8.53E-04	7.23E-05	1.87E-03	1.87E-03	1.45E-03	1.65E-03	2.45E-03	2.44E-03	0.00E+00	9.38E-05	1.17E-03	8.82E-04	1.11E-03	1.38E-03
7.51E-04	7.51E-04	6.38E-05	1.64E-03	1.64E-03	3.33E-04	7.03E-04	8.00E-04	8.00E-04	6.79E-05	1.76E-03	1.75E-03	1.36E-03	1.58E-03	2.29E-03	2.29E-03	0.00E+00	8.79E-05	1.10E-03	8.47E-04	1.06E-03	1.33E-03
7.13E-04	7.13E-04	6.05E-05	1.55E-03	1.55E-03	3.13E-04	6.61E-04	7.52E-04	7.52E-04	6.38E-05	1.65E-03	1.65E-03	1.28E-03	1.52E-03	2.15E-03	2.15E-03	0.00E+00	8.25E-05	1.03E-03	8.13E-04	1.02E-03	1.28E-03
6.76E-04	6.76E-04	5.74E-05	1.48E-03	1.47E-03	2.94E-04	6.22E-04	7.07E-04	7.07E-04	6.00E-05	1.55E-03	1.55E-03	1.20E-03	1.46E-03	2.02E-03	2.02E-03	0.00E+00	7.76E-05	9.72E-04	7.81E-04	9.79E-04	1.23E-03
6.42E-04	6.42E-04	5.45E-05	1.40E-03	1.40E-03	2.77E-04	5.86E-04	6.67E-04	6.67E-04	5.66E-05	1.46E-03	1.46E-03	1.13E-03	1.41E-03	1.90E-03	1.90E-03	0.00E+00	7.30E-05	9.16E-04	7.51E-04	9.41E-04	1.18E-03
1.10E-03	1.10E-03	9.37E-05	2.38E-03	2.38E-03	5.69E-04	1.20E-03	1.38E-03	1.38E-03	1.17E-04	3.00E-03	3.00E-03	2.21E-03	2.21E-03	3.72E-03	3.71E-03	0.00E+00	1.43E-04	1.78E-03	1.48E-03	1.86E-03	2.19E-03
1.05E-03	1.05E-03	8.88E-05	2.26E-03	2.26E-03	5.29E-04	1.12E-03	1

P8Building Construction	P8Architectural Coating	P8Paving	P6Demolition	P6Grading	P6Building Construction	P6Building Construction	P6Building Construction	P6Architectural Coating	P6Paving	P7Demolition	P7Grading	P7Building Construction	P7Building Construction	P7Building Construction	P7Architectural Coating	P7Paving	P5Demolition	P5Grading	P5Building Construction	P5Building Construction	P5Building Construction
2033	2033	2033	2030	2030	2030	2031	0	2031	2031	2030	2030	2030	2031	0	2031	2031	2028	2028	2028	2029	0
5.48E-04	1.91E-05	2.67E-04	1.59E-04	3.35E-04	3.81E-04	3.81E-04	0.00E+00	3.23E-05	8.35E-04	1.42E-04	3.00E-04	3.40E-04	3.40E-04	0.00E+00	2.89E-05	7.47E-04	4.36E-04	1.23E-03	8.40E-04	8.40E-04	0.00E+00
5.35E-04	1.87E-05	2.60E-04	1.51E-04	3.20E-04	3.64E-04	3.64E-04	0.00E+00	3.09E-05	7.97E-04	1.35E-04	2.86E-04	3.25E-04	3.25E-04	0.00E+00	2.76E-05	7.13E-04	4.05E-04	1.14E-03	7.81E-04	7.81E-04	0.00E+00
5.21E-04	1.82E-05	2.53E-04	1.45E-04	3.06E-04	3.48E-04	3.48E-04	0.00E+00	2.95E-05	7.62E-04	1.29E-04	2.74E-04	3.11E-04	3.11E-04	0.00E+00	2.64E-05	6.81E-04	3.77E-04	1.06E-03	7.29E-04	7.29E-04	0.00E+00
5.08E-04	1.77E-05	2.47E-04	1.38E-04	2.92E-04	3.33E-04	3.33E-04	0.00E+00	2.82E-05	7.29E-04	1.24E-04	2.62E-04	2.97E-04	2.97E-04	0.00E+00	2.52E-05	6.52E-04	3.51E-04	9.88E-04	6.81E-04	6.81E-04	0.00E+00
4.95E-04	1.73E-05	2.41E-04	1.32E-04	2.80E-04	3.18E-04	3.18E-04	0.00E+00	2.70E-05	6.97E-04	1.19E-04	2.51E-04	2.85E-04	2.85E-04	0.00E+00	2.42E-05	6.24E-04	3.28E-04	9.23E-04	6.38E-04	6.38E-04	0.00E+00
8.28E-04	2.89E-05	4.27E-04	2.85E-04	6.03E-04	6.87E-04	6.87E-04	0.00E+00	5.83E-05	1.50E-03	2.64E-04	5.57E-04	6.33E-04	6.33E-04	0.00E+00	5.37E-05	1.39E-03	1.21E-03	3.42E-03	2.38E-03	2.38E-03	0.00E+00
8.03E-04	2.80E-05	4.11E-04	2.69E-04	5.69E-04	6.49E-04	6.49E-04	0.00E+00	5.50E-05	1.42E-03	2.48E-04	5.25E-04	5.96E-04	5.96E-04	0.00E+00	5.05E-05	1.31E-03	1.09E-03	3.07E-03	2.13E-03	2.13E-03	0.00E+00
7.80E-04	2.73E-05	3.96E-04	2.54E-04	5.37E-04	6.13E-04	6.13E-04	0.00E+00	5.20E-05	1.34E-03	2.34E-04	4.95E-04	5.62E-04	5.62E-04	0.00E+00	4.77E-05	1.23E-03	9.82E-04	2.76E-03	1.91E-03	1.91E-03	0.00E+00
7.59E-04	2.65E-05	3.82E-04	2.41E-04	5.09E-04	5.80E-04	5.80E-04	0.00E+00	4.92E-05	1.27E-03	2.21E-04	4.67E-04	5.31E-04	5.31E-04	0.00E+00	4.50E-05	1.16E-03	8.88E-04	2.50E-03	1.73E-03	1.73E-03	0.00E+00
7.39E-04	2.58E-05	3.70E-04	2.28E-04	4.82E-04	5.49E-04	5.49E-04	0.00E+00	4.66E-05	1.20E-03	2.09E-04	4.42E-04	5.02E-04	5.02E-04	0.00E+00	4.26E-05	1.10E-03	8.06E-04	2.27E-03	1.57E-03	1.57E-03	0.00E+00
7.20E-04	2.52E-05	3.58E-04	2.16E-04	4.57E-04	5.21E-04	5.21E-04	0.00E+00	4.42E-05	1.14E-03	1.98E-04	4.19E-04	4.76E-04	4.76E-04	0.00E+00	4.03E-05	1.04E-03	7.35E-04	2.07E-03	1.43E-03	1.43E-03	0.00E+00
7.02E-04	2.45E-05	3.47E-04	2.05E-04	4.34E-04	4.94E-04	4.94E-04	0.00E+00	4.19E-05	1.08E-03	1.88E-04	3.97E-04	4.51E-04	4.51E-04	0.00E+00	3.83E-05	9.89E-04	6.71E-04	1.89E-03	1.31E-03	1.31E-03	0.00E+00
6.84E-04	2.39E-05	3.37E-04	1.95E-04	4.12E-04	4.70E-04	4.70E-04	0.00E+00	3.98E-05	1.03E-03	1.78E-04	3.77E-04	4.28E-04	4.28E-04	0.00E+00	3.63E-05	9.39E-04	6.15E-04	1.73E-03	1.20E-03	1.20E-03	0.00E+00
6.32E-04	2.21E-05	3.10E-04	1.69E-04	3.56E-04	4.05E-04	4.05E-04	0.00E+00	3.44E-05	8.87E-04	1.54E-04	3.25E-04	3.69E-04	3.69E-04	0.00E+00	3.13E-05	8.09E-04	4.82E-04	1.36E-03	9.42E-04	9.42E-04	0.00E+00
6.15E-04	2.15E-05	3.01E-04	1.61E-04	3.40E-04	3.87E-04	3.87E-04	0.00E+00	3.28E-05	8.46E-04	1.47E-04	3.10E-04	3.52E-04	3.52E-04	0.00E+00	2.99E-05	7.72E-04	4.47E-04	1.26E-03	8.74E-04	8.74E-04	0.00E+00
5.98E-04	2.09E-05	2.93E-04	1.54E-04	3.24E-04	3.69E-04	3.69E-04	0.00E+00	3.13E-05	8.08E-04	1.40E-04	2.96E-04	3.36E-04	3.36E-04	0.00E+00	2.85E-05	7.36E-04	4.15E-04	1.17E-03	8.13E-04	8.13E-04	0.00E+00
5.82E-04	2.03E-05	2.85E-04	1.47E-04	3.10E-04	3.53E-04	3.53E-04	0.00E+00	2.99E-05	7.72E-04	1.34E-04	2.82E-04	3.21E-04	3.21E-04	0.00E+00	2.72E-05	7.04E-04	3.86E-04	1.09E-03	7.58E-04	7.58E-04	0.00E+00
5.66E-04	1.98E-05	2.77E-04	1.40E-04	2.97E-04	3.38E-04	3.38E-04	0.00E+00	2.86E-05	7.39E-04	1.28E-04	2.70E-04	3.07E-04	3.07E-04	0.00E+00	2.61E-05	6.73E-04	3.60E-04	1.01E-03	7.08E-04	7.08E-04	0.00E+00
5.50E-04	1.92E-05	2.69E-04	1.34E-04	2.84E-04	3.23E-04	3.23E-04	0.00E+00	2.74E-05	7.08E-04	1.22E-04	2.59E-04	2.94E-04	2.94E-04	0.00E+00	2.49E-05	6.44E-04	3.37E-04	9.47E-04	6.63E-04	6.63E-04	0.00E+00
9.49E-04	3.31E-05	4.91E-04	2.85E-04	6.02E-04	6.88E-04	6.88E-04	0.00E+00	5.83E-05	1.50E-03	2.72E-04	5.74E-04	6.53E-04	6.53E-04	0.00E+00	5.54E-05	1.43E-03	1.19E-03	3.34E-03	2.44E-03	2.44E-03	0.00E+00
9.21E-04	3.22E-05	4.72E-04	2.69E-04	5.69E-04	6.50E-04	6.50E-04	0.00E+00	5.51E-05	1.42E-03	2.56E-04	5.41E-04	6.15E-04	6.15E-04	0.00E+00	5.21E-05	1.35E-03	1.07E-03	3.02E-03	2.18E-03	2.18E-03	0.00E+00
8.95E-04	3.13E-05	4.55E-04	2.55E-04	5.38E-04	6.15E-04	6.15E-04	0.00E+00	5.21E-05	1.34E-03	2.41E-04	5.10E-04	5.80E-04	5.80E-04	0.00E+00	4.92E-05	1.27E-03	9.71E-04	2.73E-03	1.96E-03	1.96E-03	0.00E+00
8.70E-04	3.04E-05	4.39E-04	2.41E-04	5.10E-04	5.82E-04	5.82E-04	0.00E+00	4.94E-05	1.27E-03	2.28E-04	4.82E-04	5.47E-04	5.47E-04	0.00E+00	4.64E-05	1.20E-03	8.82E-04	2.48E-03	1.78E-03	1.78E-03	0.00E+00
8.46E-04	2.96E-05	4.24E-04	2.29E-04	4.83E-04	5.52E-04	5.52E-04	0.00E+00	4.68E-05	1.20E-03	2.16E-04	4.55E-04	5.18E-04	5.18E-04	0.00E+00	4.39E-05	1.13E-03	8.04E-04	2.26E-03	1.61E-03	1.61E-03	0.00E+00
8.23E-04	2.88E-05	4.10E-04	2.17E-04	4.59E-04	5.24E-04	5.24E-04	0.00E+00	4.44E-05	1.14E-03	2.04E-04	4.31E-04	4.90E-04	4.90E-04	0.00E+00	4.16E-05	1.07E-03	7.35E-04	2.07E-03	1.47E-03	1.47E-03	0.00E+00
8.00E-04	2.80E-05	3.97E-04	2.06E-04	4.36E-04	4.97E-04	4.97E-04	0.00E+00	4.22E-05	1.09E-03	1.93E-04	4.09E-04	4.65E-04	4.65E-04	0.00E+00	3.94E-05	1.02E-03	6.74E-04	1.90E-03	1.34E-03	1.34E-03	0.00E+00
7.78E-04	2.72E-05	3.85E-04	1.96E-04	4.15E-04	4.73E-04	4.73E-04	0.00E+00	4.01E-05	1.03E-03	1.84E-04	3.88E-04	4.41E-04	4.41E-04	0.00E+00	3.74E-05	9.67E-04	6.19E-04	1.74E-03	1.23E-03	1.23E-03	0.00E+00
7.13E-04	2.49E-05	3.52E-04	1.70E-04	3.59E-04	4.09E-04	4.09E-04	0.00E+00	3.47E-05	8.94E-04	1.58E-04	3.34E-04	3.80E-04	3.80E-04	0.00E+00	3.23E-05	8.33E-04	4.88E-04	1.37E-03	9.71E-04	9.71E-04	0.00E+00
6.92E-04	2.42E-05	3.42E-04	1.62E-04	3.43E-04	3.91E-04	3.91E-04	0.00E+00	3.31E-05	8.54E-04	1.51E-04	3.19E-04	3.63E-04	3.63E-04	0.00E+00	3.08E-05	7.94E-04	4.53E-04	1.27E-03	9.01E-04	9.01E-04	0.00E+00
6.71E-04	2.34E-05	3.32E-04	1.55E-04	3.28E-04	3.73E-04	3.73E-04	0.00E+00	3.17E-05	8.16E-04	1.44E-04	3.04E-04	3.46E-04	3.46E-04	0.00E+00	2.93E-05	7.58E-04	4.21E-04	1.18E-03	8.38E-04	8.38E-04	0.00E+00
6.51E-04	2.27E-05	3.22E-04	1.48E-04	3.13E-04	3.57E-04	3.57E-04	0.00E+00	3.03E-05	7.80E-04	1.37E-04	2.91E-04	3.30E-04	3.30E-04	0.00E+00	2.80E-05	7.24E-04	3.92E-04	1.10E-03	7.82E-04	7.82E-04	0.00E+00
6.31E-04	2.20E-05	3.12E-04	1.42E-04	3.00E-04	3.42E-04	3.42E-04	0.00E+00	2.90E-05	7.47E-04	1.31E-04	2.78E-04	3.16E-04	3.16E-04	0.00E+00	2.68E-05	6.92E-04	3.66E-04	1.03E-03	7.30E-04	7.30E-04	0.00E+00
6.12E-04	2.14E-05	3.02E-04	1.36E-04	2.87E-04	3.27E-04	3.27E-04	0.00E+00	2.78E-05	7.15E-04	1.26E-04	2.66E-04	3.02E-04	3.02E-04	0.00E+00	2.57E-05	6.62E-04	3.43E-04	9.65E-04	6.84E-04	6.84E-04	0.00E+00
1.27E-03	4.43E-05	6.73E-04	3.56E-04	7.52E-04	8.63E-04	8.63E-04	0.00E+00	7.32E-05	1.87E-03	3.60E-04	7.60E-04	8.65E-04	8.65E-04	0.00E+00	7.34E-05	1.89E-03	1.74E-03	4.90E-03	3.98E-03	3.98E-03	0.00E+00
1.22E-03	4.26E-05	6.47E-04	3.35E-04	7.08E-04	8.12E-04	8.12E-04	0.00E+00	6.89E-05	1.76E-03	3.36E-04	7.11E-04	8.09E-04	8.09E-04	0.00E+00	6.86E-05	1.77E-03	1.56E-03	4.39E-03	3.49E-03	3.49E-03	0.00E+00
1.18E-03	4.11E-05	6.21E-04	3.16E-04	6.68E-04	7.66E-04	7.66E-04	0.00E+00	6.50E-05	1.66E-03	3.15E-04	6.66E-04	7.58E-04	7.58E-04	0.00E+00	6.43E-05	1.66E-03	1.40E-03	3.95E-03	3.08E-03	3.08E-03	0.00E+00
1.14E-03	3.97E-05	5.96E-04	2.99E-04	6.31E-04	7.23E-04	7.23E-04	0.00E+00	6.13E-05	1.57E-03	2.96E-04	6.25E-04	7.11E-04	7.11E-04	0.00E+00	6.03E-05	1.56E-03	1.27E-03	3.56E-03	2.74E-03	2.74E-03	0.00E+00
1.10E-03	3.85E-05	5.72E-04	2.82E-04	5.96E-04	6.83E-04	6.83E-04	0.00E+00	5.79E-05	1.49E-03	2.78E-04	5.88E-04	6.69E-04	6.69E-04	0.00E+00	5.67E-05	1.46E-03	1.15E-03	3.23E-03	2.45E-03	2.45E-03	0.00E+00
1.07E-03	3.73E-05	5.50E-04	2.67E-04	5.65E-04	6.47E-04	6.47E-04	0.00E+00	5.48E-05	1.41E-03	2.62E-04	5.54E-04	6.30E-04	6.30E-04	0.00E+00	5.34E-05	1.38E-03	1.04E-03	2.93E-03	2.20E-03	2.20E-03	0.00E+00
1.04E-03	3.62E-05	5.29E-04	2.53E-04	5.35E-04	6.12E-04	6.12E-04	0.00E+00	5.19E-05	1.33E-03	2.47E-04	5.22E-04	5.94E-04	5.94E-04	0.00E+00	5.04E-05	1.30E-03	9.48E-04	2.67E-03	1.98E-03	1.98E-03	0.00E+00
1.01E-03	3.51E-05	5.10E-04	2.40E-04	5.08E-04	5.81E-04	5.81E-04	0.00E+00	4.93E-05	1.26E-03	2.33E-04	4.93E-04	5.61E-04	5.61E-04	0.00E+00	4.76E-05	1.23E-03	8.65E-04	2.43E-03	1.80E-03	1.80E-03	0.00E+00
9.76E-04	3.41E-05	4.92E-04	2.28E-04	4.82E-04	5.51E-04	5.51E-04	0.00E+00	4.68E-05	1.20E-03	2.21E-04	4.66E-04	5.31E-04	5.31E-04	0.00E+00	4.50E-05	1.16E-03	7.92E-04	2.23E-03	1.63E-03	1.63E-03	0.00E+00
9.47E-04	3.31E-05	4.75E-04	2.17E-04	4.58E-04	5.24E-04	5.24E-04	0.00E+00	4.44E-05	1.14E-03	2.09E-04	4.42E-04	5.03E-04	5.03E-04	0.00E+00	4.26E-05	1.10E-03	7.26E-04	2.04E-03	1.49E-03	1.49E-03	0.00E+00
9.18E-04	3.21E-05	4.60E-04	2.06E-04	4.36E-04	4.98E-04	4.98E-04	0.00E+00	4.23E-05	1.09E-03	1.98E-04	4.19E-04	4.77E-04	4.77E-04	0.00E+00	4.04E-05	1.04E-03	6.68E-04	1.88E-03	1.37E-03	1.37E-03	0.00E+00
8.90E-04	3.11E-05	4.45E-04	1.96E-04	4.15E-04	4.74E-04	4.74E-04	0.00E+00	4.02E-05	1.03E-03	1.88E-04	3.98E-04	4.52E-04	4.52E-04	0.00E+00	3.84E-05	9.90E-04	6.16E-04	1.73E-03	1.26E-03	1.26E-03	0.00E+00
8.07E-04	2.82E-05	4.03E-04	1.71E-04	3.60E-04	4.11E-04	4.11E-04	0.00E+00	3.49E-05	8.98E-04	1.62E-04	3.43E-04	3.90E-04	3.90E-04	0.00E+00	3.31E-05	8.53E-04	4.89E-04	1.38E-03	9.91E-04	9.91E-04	0.00E+00
7.80E-04	2.73E-05	3.90E-04	1.63E-04	3.44E-04	3.93E-04	3.93E-04	0.00E+00	3.33E-05	8.58E-04	1.55E-04	3.27E-04	3.72E-04	3.72E-04	0.00E+00	3.15E-05	8.14E-04	4.55E-04	1.28E-03	9.20E-04	9.20E-04	0.00E+00
7.55E-04	2.64E-05	3.77E-04	1.56E-04	3.29E-04	3.76E-04	3.76E-04	0.00E+00	3.19E-05	8.20E-04	1.47E-04	3.12E-04	3.55E-04	3.55E-04	0.00E+00	3.01E-05	7.76E-04	4.24E-04	1.19E-03	8.57E-04	8.57E-04	0.00E+00
7.05E-04	2.46E-05	3.52E-04	1.43E-04	3.02E-04	3.44E-04	3.44E-04	0.00E+00	2.92E-05	7.52E-04	1.35E-04	2.85E-04	3.24E-04	3.24E-04	0.00E+00	2.75E-05	7.09E-04	3.70E-04	1.04E-03	7.47E-04	7.47E-04	0.00E+00
6.81E-04	2.38E-05	3.40E-04	1.37E-04	2.89E-04	3.30E-04	3.30E-04	0.00E+00	2.80E-05	7.20E-04	1.29E-04	2.72E-04	3.10E-04	3.10E-04	0.00E+00	2.63E-05	6.78E-04	3.46E-04	9.74E-04	6.99E-04	6.99E-04	0.00E+00
1.49E-03	5.22E-05	8.00E-04	3.47E-04	7.33E-04	8.43E-04	8.43E-04	0.00E+00	7.15E-05	1.83E-03	3.65E-04	7.70E-04	8.78E-04	8.78E-04	0.00E+00	7.45E-05	1.92E-03	1.62E-03	4.57E-03	3.81E-03	3.81E-03	0.00E+00
1.44E-03	5.01E-05	7.68E-04	3.28E-04	6.93E-04	7.96E-04	7.96E-04	0.00E+00	6.75E-05	1.73E-03	3.41E-04	7.21E-04	8.21E-04	8.21E-04	0.00E+00	6.97E-05	1.80E-03	1.46E-03	4.11E-03	3.37E-03	3.37E-03	0.00E+00
1.39E-03	4.84E-05	7.37E-04	3.10E-04	6.55E-04	7.52E-04	7.52E-04	0.00E+00	6.38E-05	1.63E-03	3.20E-04	6.76E-04	7.70E-04	7.70E-04	0.00E+00	6.53E-05	1.68E-03	1.32E-03	3.72E-03	3.00E-03	3.00E-03	0.00E+00
1.34E-03	4.68E-05	7.06E-04	2.93E-04	6.20E-04	7.12E-04	7.12E-04	0.00E+00	6.04E-05	1.54E-03	3.00E-04	6.35E-04	7.23E-04	7.23E-04	0.00E+00	6.13E-05	1.58E-03	1.20E-03	3.38E-03	2.68E-03	2.68E-03	0.00E+00
1.30E-03	4.52E-05	6.77E-04	2.78E-04	5.88E-04	6.74E-04	6.74E-04	0.00E+00	5.72E-05	1.46E-03	2.83E-04	5.97E-04	6.80E-04	6.80E-04	0.00E+00	5.77E-05	1.49E-03	1.09E-03	3.08E-03	2.40E-03	2.40E-03	0.00E+00
1.25E-03	4.38E-05	6.49E-04	2.64E-04	5.57E-04	6.39E-04	6.39E-04	0.00E+00	5.42E-05	1.39E-03	2.66E-04	5.63E-04	6.41E-04	6.41E-04	0.00E+00	5.44E-05	1.40E-03	9.98E-04	2.81E-03	2.17E-03	2.17E-03	0.00E+00
1.21E-03	4.24E-05	6.23E-04	2.50E-04	5.29E-04	6.06E-04	6.06E-04	0.00E+00	5.14E-05	1.32E-03	2.51E-04	5.31E-04	6.05E-04	6.05E-04	0.00E+00	5.13E-05	1.32E-03	9.14E-04	2.57E-03	1.96E-03	1.96E-03	0.00E+00
1.17E-03	4.10E-05	5.99E-04	2.38E-04	5.03E-04	5.76E-04	5.76E-04	0.00E+00	4.89E-05	1.25E-03	2.37E-04	5.02E-04	5.71E-04	5.71E-04	0.00E+00	4.85E-05	1.25E-03	8.38E-04	2.36E-03	1.79E-03	1.79E-03	0.00E+00
1.13E-03	3.96E-05	5.77E-04	2.26E-04	4.78E-04	5.47E-04	5.47E-04	0.00E+00	4.64E-05	1.19E-03	2.25E-04	4.75E-04	5.41E-04	5.41E-04	0.00E+00	4.59E-05	1.18E-03	7.70E-04	2.17E-03	1.63E-03	1.63E-03	0.00E+00
1.10E-03	3.83E-05	5.56E-04	2.15E-04	4.55E-04	5.21E-04	5.21E-04	0.00E+00	4.42E-05	1.13E-03	2.13E-04	4.50E-04	5.12E-04	5.12E-04	0.00E+00	4.35E-05	1.12E-03	7.10E-04	2.00E-03	1.49E-03	1.49E-03	0.00E+00
1.06E-03	3.70E-05	5.36E-04	2.05E-04	4.34E-04	4.96E-04	4.96E-04	0.00E+00	4.21E-05	1.08E-03	2.02E-04	4.27E-04	4.86E-04	4.86E-04	0.00E+00	4.12E-05	1.06E-03	6.55E-04	1.84E-03	1.37E-03	1.37E-03	0.00E+00
1.02E-03	3.57E-05	5.17E-04	1.96E-04	4.13E-04	4.73E-04	4.73E-04	0.00E+00	4.01E-05	1.03E-03	1.92E-04	4.05E-04	4.61E-04	4.61E-04	0.00E+00	3.91E-05	1.01E-03	6.06E-04	1.71E-03	1.26E-03	1.26E-03	0.00E+00
9.15E-04	3.20E-05	4.64E-04	1.70E-04	3.60E-04	4.12E-04	4.12E-04	0.00E+00	3.49E-05	8.97E-04	1.65E-04	3.49E-04	3.98E-04	3.98E-04	0.00E+00	3.38E-05	8.70E-04	4.86E-04	1.37E-03	1.00E-03	1.00E-03	0.00E+00
8.82E-04	3.08E-05	4.47E-04	1.63E-04	3.44E-04	3.93E-04	3.93E-04	0.00E+00	3.34E-05	8.58E-04	1.58E-04	3.33E-04	3.79E-04	3.79E-04	0.00E+00	3.22E-05	8.30E-04	4.53E-04	1.27E-03	9.31E-04	9.31E-04	0.00E+00
8.49E-04	2.97E-05	4.30E-04	1.56E-04	3.30E-04	3.77E-04	3.77E-04	0.00E+00	3.19E-05	8.21E-04	1.50E-04	3.18E-04	3.62E-04	3.62E-04	0.00E+00	3.07E-05	7.92E-04	4.23E-04	1.19E-03	8.67E-04	8.67E-04	0.00E+00
1.79E-03	6.25E-05	9.69E-04	3.36E-04	7.10E-04	8.18E-04	8.18E-04	0.00E+00	6.94E-05	1.77E-03	3.66E-04	7.74E-04	8.83E-04	8.83E-04	0.00E+00	7.49E-05	1.93E-03	1.49E-03	4.20E-03	3.55E-03	3.55E-03	0.00E+00
1.72E-03	6.01E-05	9.29E-04	3.18E-04	6.73E-04	7.74E-04	7.74E-04	0.00E+00	6.57E-05	1.68E-03	3.43E-04	7.25E-04	8.27E-04	8.27E-04	0.00E+00	7.02E-05	1.81E-03	1.35E-03	3.81E-03	3.17E-03	3.17E-03	0.00E+00
1.66E-03	5.79E-05	8.89E-04	3.02E-04	6.38E-04	7.34E-04	7.34E-04	0.00E+00	6.23E-05	1.59E-03	3.22E-04	6.81E-04	7.76E-04	7.76E-04	0.00E+00	6.58E-05	1.70E-03	1.23E-03	3.46E-03	2.85E-03	2.85E-03	0.00E+00
1.60E-03	5.58E-05	8.50E-04	2.86E-04	6.05E-04	6.96E-04	6.96E-04	0.00E+00	5.91E-05	1.51E-03	3.03E-04	6.40E-04	7.30E-04	7.30E-04	0.00E+00	6.19E-05	1.59E-03	1.12E-03	3.17E-03	2.56E-03	2.56E-03	0.00E+00
1.54E-03	5.39E-05	8.12E-04	2.72E-04	5.75E-04	6.61E-04	6.61E-04	0.00E+00	5.60E-05	1.43E-03	2.85E-04	6.03E-04	6.87E-04	6.87E-04	0.00E+00	5.83E-05	1.50E-03	1.03E-03	2.90E-03	2.32E-03	2.32E-03	0.00E+00
1.49E-03	5.19E-05	7.77E-04	2.59E-04	5.47E-04	6.28E-04	6.28E-04	0.00E+00	5.33E-05	1.36E-03	2.69E-04	5.68E-04	6.48E-04	6.48E-04	0.00E+00	5.50E-05	1.42E-03	9.46E-04	2.66E-03	2.10E-03	2.10E-03	0.00E+00
1.43E-03	5.01E-05	7.44E-04	2.46E-04	5.20E-04	5.97E-04	5.97E-04	0.00E+00	5.06E-05	1.30E-03	2.54E-04	5.37E-04	6.12E-04	6.12E-04	0.00E+00	5.19E-05	1.34E-03	8.71E-04	2.45E-03	1.92E-03	1.92E-03	0.00E+00
1.38E-03	4.82E-05	7.13E-04	2.34E-04	4.95E-04	5.68E-04	5.68E-04	0.00E+00	4.82E-05	1.23E-03	2.40E-04	5.08E-04	5.79E-04	5.79E-04	0.00E+00	4.91E-05	1.26E-03	8.03E-04	2.26E-03	1.75E-03	1.75E-03	0.00E+00
1.33E-03	4.64E-05	6.84E-04	2.23E-04	4.72E-04	5.41E-04	5.41E-04	0.00E+00	4.59E-05	1.17E-03	2.27E-04	4.81E-04	5.48E-04	5.48E-04	0.00E+00	4.65E-05	1.20E-03	7.42E-04	2.09E-03	1.60E-03	1.60E-03	0.00E+00
1.28E-03	4.46E-05	6.57E-04	2.13E-04	4.50E-04	5.15E-04	5.15E-04	0.00E+00	4.37E-05	1.12E-03	2.16E-04	4.56E-04	5.19E-04	5.19E-04	0.00E+00	4.41E-05	1.13E-03	6.86E-04	1.93E-03	1.47E-03	1.47E-03	0.00E+00
1.23E-03	4.28E-05	6.31E-04	2.03E-04	4.29E-04	4.92E-04	4.92E-04	0.00E+00	4.17E-05	1.07E-03	2.05E-04	4.32E-04	4.93E-04	4.93E-04	0.00E+00	4.18E-05	1.08E-03	6.36E-04	1.79E-03	1.36E-03	1.36E-03	0.00E+00
1.18E-03	4.11E-05	6.06E-04	1.94E-04	4.10E-04	4.69E-04	4.69E-04	0.00E+00	3.98E-05	1.02E-03	1.94E-04	4.11E-04	4.68E-04	4.68E-04	0.00E+00	3.97E-05	1.02E-03	5.91E-04	1.66E-03	1.25E-03	1.25E-03	0.00E+00
2.18E-03	7.63E-05	1.20E-03	3.23E-04	6.82E-04	7.88E-04	7.88E-04	0.00E+00	6.68E-05	1.70E-03	3.64E-04	7.70E-04	8.80E-04	8.80E-04	0.00E+00	7.46E-05	1.92E-03	1.35E-03	3.80E-03	3.23E-03	3.23E-03	0.00E+00
2.10E-03	7.32E-05	1.14E-03	3.07E-04	6.49E-04	7.48E-04	7.48E-04

P5Architectural Coating	P5Paving	P10Demolition	P10Grading	P10Grading	P10Building Construction	P10Building Construction	P10Architectural Coating	P10Paving	P11Demolition	P11Grading	P11Building Construction	P11Building Construction	P11Building Construction	P11Architectural Coating	P11Paving	P12Demolition	P12Grading	P12Building Construction	P12Building Construction	P12Building Construction	P12Architectural Coating
2029	2029	2033	2033	0	2033	2034	2034	2034	2033	2033	2033	2034	2035	2035	2035	2035	2035	2035	2036	0	2036
7.99E-05	2.30E-03	6.01E-04	7.53E-04	0.00E+00	9.80E-04	9.79E-04	3.76E-05	4.85E-04	1.19E-04	2.52E-04	2.88E-04	2.88E-04	2.88E-04	2.45E-05	6.26E-04	1.35E-03	1.70E-03	2.61E-03	2.61E-03	0.00E+00	1.01E-04
7.44E-05	2.13E-03	5.76E-04	7.22E-04	0.00E+00	9.40E-04	9.39E-04	3.61E-05	4.65E-04	1.14E-04	2.41E-04	2.76E-04	2.76E-04	2.76E-04	2.34E-05	6.00E-04	1.26E-03	1.58E-03	2.43E-03	2.43E-03	0.00E+00	9.36E-05
6.93E-05	1.98E-03	5.52E-04	6.92E-04	0.00E+00	9.02E-04	9.00E-04	3.46E-05	4.46E-04	1.10E-04	2.32E-04	2.65E-04	2.65E-04	2.65E-04	2.25E-05	5.76E-04	1.18E-03	1.48E-03	2.26E-03	2.26E-03	0.00E+00	8.72E-05
6.48E-05	1.85E-03	5.30E-04	6.64E-04	0.00E+00	8.65E-04	8.64E-04	3.32E-05	4.28E-04	1.05E-04	2.22E-04	2.55E-04	2.55E-04	2.55E-04	2.16E-05	5.54E-04	1.10E-03	1.38E-03	2.11E-03	2.11E-03	0.00E+00	8.14E-05
6.07E-05	1.73E-03	5.08E-04	6.37E-04	0.00E+00	8.30E-04	8.28E-04	3.19E-05	4.10E-04	1.01E-04	2.14E-04	2.45E-04	2.45E-04	2.45E-04	2.08E-05	5.32E-04	1.03E-03	1.30E-03	1.98E-03	1.97E-03	0.00E+00	7.61E-05
2.27E-04	6.40E-03	1.12E-03	1.41E-03	0.00E+00	1.82E-03	1.82E-03	6.99E-05	9.07E-04	2.04E-04	4.32E-04	4.98E-04	4.98E-04	4.98E-04	4.22E-05	1.07E-03	3.21E-03	4.03E-03	6.21E-03	6.21E-03	0.00E+00	2.39E-04
2.03E-04	5.74E-03	1.08E-03	1.35E-03	0.00E+00	1.75E-03	1.75E-03	6.72E-05	8.71E-04	1.94E-04	4.10E-04	4.72E-04	4.72E-04	4.72E-04	4.01E-05	1.02E-03	2.94E-03	3.69E-03	5.69E-03	5.69E-03	0.00E+00	2.19E-04
1.82E-04	5.17E-03	1.03E-03	1.30E-03	0.00E+00	1.68E-03	1.68E-03	6.45E-05	8.35E-04	1.84E-04	3.90E-04	4.49E-04	4.49E-04	4.49E-04	3.81E-05	9.70E-04	2.70E-03	3.38E-03	5.22E-03	5.22E-03	0.00E+00	2.01E-04
1.64E-04	4.68E-03	9.91E-04	1.24E-03	0.00E+00	1.61E-03	1.61E-03	6.18E-05	8.00E-04	1.75E-04	3.71E-04	4.27E-04	4.27E-04	4.27E-04	3.62E-05	9.23E-04	2.48E-03	3.11E-03	4.79E-03	4.79E-03	0.00E+00	1.85E-04
1.49E-04	4.25E-03	9.48E-04	1.19E-03	0.00E+00	1.54E-03	1.54E-03	5.92E-05	7.66E-04	1.67E-04	3.53E-04	4.06E-04	4.06E-04	4.06E-04	3.45E-05	8.79E-04	2.28E-03	2.86E-03	4.40E-03	4.40E-03	0.00E+00	1.70E-04
1.36E-04	3.87E-03	9.06E-04	1.14E-03	0.00E+00	1.47E-03	1.47E-03	5.66E-05	7.32E-04	1.59E-04	3.37E-04	3.87E-04	3.87E-04	3.87E-04	3.28E-05	8.38E-04	2.10E-03	2.64E-03	4.05E-03	4.05E-03	0.00E+00	1.56E-04
1.24E-04	3.54E-03	8.66E-04	1.08E-03	0.00E+00	1.41E-03	1.41E-03	5.41E-05	6.99E-04	1.52E-04	3.21E-04	3.69E-04	3.69E-04	3.69E-04	3.13E-05	7.99E-04	1.94E-03	2.43E-03	3.74E-03	3.74E-03	0.00E+00	1.44E-04
1.14E-04	3.24E-03	8.27E-04	1.04E-03	0.00E+00	1.34E-03	1.34E-03	5.16E-05	6.68E-04	1.45E-04	3.07E-04	3.52E-04	3.52E-04	3.52E-04	2.99E-05	7.64E-04	1.80E-03	2.25E-03	3.46E-03	3.45E-03	0.00E+00	1.33E-04
8.96E-05	2.54E-03	7.18E-04	9.00E-04	0.00E+00	1.17E-03	1.17E-03	4.49E-05	5.80E-04	1.27E-04	2.69E-04	3.08E-04	3.08E-04	3.08E-04	2.62E-05	6.69E-04	1.44E-03	1.81E-03	2.76E-03	2.75E-03	0.00E+00	1.06E-04
8.32E-05	2.35E-03	6.85E-04	8.58E-04	0.00E+00	1.11E-03	1.11E-03	4.28E-05	5.53E-04	1.22E-04	2.57E-04	2.95E-04	2.95E-04	2.95E-04	2.51E-05	6.41E-04	1.35E-03	1.69E-03	2.57E-03	2.56E-03	0.00E+00	9.88E-05
7.74E-05	2.19E-03	6.53E-04	8.19E-04	0.00E+00	1.06E-03	1.06E-03	4.09E-05	5.28E-04	1.17E-04	2.47E-04	2.83E-04	2.83E-04	2.83E-04	2.40E-05	6.14E-04	1.26E-03	1.58E-03	2.39E-03	2.39E-03	0.00E+00	9.21E-05
7.21E-05	2.03E-03	6.24E-04	7.81E-04	0.00E+00	1.02E-03	1.01E-03	3.90E-05	5.04E-04	1.12E-04	2.37E-04	2.72E-04	2.72E-04	2.72E-04	2.30E-05	5.90E-04	1.18E-03	1.48E-03	2.23E-03	2.23E-03	0.00E+00	8.61E-05
6.74E-05	1.90E-03	5.95E-04	7.46E-04	0.00E+00	9.70E-04	9.68E-04	3.73E-05	4.81E-04	1.08E-04	2.28E-04	2.61E-04	2.61E-04	2.61E-04	2.21E-05	5.66E-04	1.10E-03	1.38E-03	2.09E-03	2.09E-03	0.00E+00	8.05E-05
6.31E-05	1.77E-03	5.69E-04	7.13E-04	0.00E+00	9.27E-04	9.25E-04	3.56E-05	4.59E-04	1.03E-04	2.19E-04	2.51E-04	2.51E-04	2.51E-04	2.13E-05	5.44E-04	1.04E-03	1.30E-03	1.96E-03	1.96E-03	0.00E+00	7.55E-05
2.32E-04	6.26E-03	1.39E-03	1.74E-03	0.00E+00	2.24E-03	2.24E-03	8.61E-05	1.12E-03	2.08E-04	4.39E-04	5.07E-04	5.07E-04	5.07E-04	4.30E-05	1.09E-03	2.98E-03	3.73E-03	5.53E-03	5.53E-03	0.00E+00	2.13E-04
2.08E-04	5.65E-03	1.32E-03	1.66E-03	0.00E+00	2.14E-03	2.13E-03	8.21E-05	1.07E-03	1.97E-04	4.17E-04	4.81E-04	4.81E-04	4.81E-04	4.08E-05	1.04E-03	2.75E-03	3.45E-03	5.14E-03	5.13E-03	0.00E+00	1.98E-04
1.87E-04	5.12E-03	1.26E-03	1.58E-03	0.00E+00	2.03E-03	2.03E-03	7.81E-05	1.02E-03	1.88E-04	3.97E-04	4.57E-04	4.57E-04	4.57E-04	3.88E-05	9.87E-04	2.55E-03	3.19E-03	4.77E-03	4.77E-03	0.00E+00	1.84E-04
1.69E-04	4.65E-03	1.19E-03	1.50E-03	0.00E+00	1.93E-03	1.93E-03	7.42E-05	9.65E-04	1.79E-04	3.78E-04	4.35E-04	4.35E-04	4.35E-04	3.69E-05	9.40E-04	2.36E-03	2.95E-03	4.42E-03	4.42E-03	0.00E+00	1.70E-04
1.53E-04	4.24E-03	1.13E-03	1.42E-03	0.00E+00	1.83E-03	1.83E-03	7.04E-05	9.15E-04	1.70E-04	3.60E-04	4.14E-04	4.14E-04	4.14E-04	3.51E-05	8.95E-04	2.18E-03	2.74E-03	4.10E-03	4.10E-03	0.00E+00	1.58E-04
1.40E-04	3.87E-03	1.07E-03	1.35E-03	0.00E+00	1.74E-03	1.74E-03	6.68E-05	8.68E-04	1.62E-04	3.43E-04	3.95E-04	3.95E-04	3.95E-04	3.35E-05	8.54E-04	2.02E-03	2.54E-03	3.81E-03	3.81E-03	0.00E+00	1.47E-04
1.28E-04	3.55E-03	1.02E-03	1.28E-03	0.00E+00	1.65E-03	1.65E-03	6.33E-05	8.23E-04	1.55E-04	3.27E-04	3.77E-04	3.77E-04	3.77E-04	3.20E-05	8.15E-04	1.88E-03	2.36E-03	3.54E-03	3.54E-03	0.00E+00	1.36E-04
1.17E-04	3.26E-03	9.65E-04	1.21E-03	0.00E+00	1.56E-03	1.56E-03	6.00E-05	7.79E-04	1.48E-04	3.13E-04	3.60E-04	3.60E-04	3.60E-04	3.05E-05	7.78E-04	1.75E-03	2.19E-03	3.29E-03	3.29E-03	0.00E+00	1.27E-04
9.24E-05	2.57E-03	8.22E-04	1.03E-03	0.00E+00	1.33E-03	1.33E-03	5.12E-05	6.64E-04	1.30E-04	2.74E-04	3.15E-04	3.15E-04	3.15E-04	2.67E-05	6.82E-04	1.42E-03	1.78E-03	2.67E-03	2.66E-03	0.00E+00	1.03E-04
8.58E-05	2.39E-03	7.79E-04	9.77E-04	0.00E+00	1.26E-03	1.26E-03	4.86E-05	6.30E-04	1.24E-04	2.63E-04	3.02E-04	3.02E-04	3.02E-04	2.56E-05	6.53E-04	1.33E-03	1.66E-03	2.49E-03	2.49E-03	0.00E+00	9.60E-05
7.98E-05	2.22E-03	7.39E-04	9.27E-04	0.00E+00	1.20E-03	1.20E-03	4.61E-05	5.97E-04	1.19E-04	2.52E-04	2.89E-04	2.89E-04	2.89E-04	2.45E-05	6.27E-04	1.24E-03	1.56E-03	2.33E-03	2.33E-03	0.00E+00	8.98E-05
7.44E-05	2.07E-03	7.02E-04	8.80E-04	0.00E+00	1.14E-03	1.14E-03	4.38E-05	5.67E-04	1.14E-04	2.42E-04	2.77E-04	2.77E-04	2.77E-04	2.35E-05	6.01E-04	1.17E-03	1.46E-03	2.19E-03	2.18E-03	0.00E+00	8.42E-05
6.95E-05	1.93E-03	6.67E-04	8.36E-04	0.00E+00	1.08E-03	1.08E-03	4.16E-05	5.39E-04	1.10E-04	2.32E-04	2.66E-04	2.66E-04	2.66E-04	2.26E-05	5.78E-04	1.10E-03	1.37E-03	2.05E-03	2.05E-03	0.00E+00	7.90E-05
6.51E-05	1.81E-03	6.35E-04	7.95E-04	0.00E+00	1.03E-03	1.03E-03	3.96E-05	5.13E-04	1.06E-04	2.23E-04	2.56E-04	2.56E-04	2.56E-04	2.17E-05	5.55E-04	1.03E-03	1.29E-03	1.93E-03	1.93E-03	0.00E+00	7.43E-05
3.79E-04	9.18E-03	2.16E-03	2.70E-03	0.00E+00	3.44E-03	3.44E-03	1.32E-04	1.74E-03	2.61E-04	5.52E-04	6.40E-04	6.40E-04	6.40E-04	5.43E-05	1.37E-03	3.58E-03	4.49E-03	5.86E-03	5.86E-03	0.00E+00	2.26E-04
3.32E-04	8.22E-03	2.04E-03	2.55E-03	0.00E+00	3.28E-03	3.27E-03	1.26E-04	1.65E-03	2.47E-04	5.22E-04	6.05E-04	6.05E-04	6.05E-04	5.13E-05	1.30E-03	3.35E-03	4.20E-03	5.65E-03	5.65E-03	0.00E+00	2.18E-04
2.93E-04	7.39E-03	1.93E-03	2.42E-03	0.00E+00	3.11E-03	3.11E-03	1.20E-04	1.56E-03	2.34E-04	4.94E-04	5.72E-04	5.72E-04	5.72E-04	4.86E-05	1.23E-03	3.14E-03	3.93E-03	5.41E-03	5.40E-03	0.00E+00	2.08E-04
2.61E-04	6.67E-03	1.83E-03	2.29E-03	0.00E+00	2.95E-03	2.94E-03	1.13E-04	1.48E-03	2.22E-04	4.69E-04	5.42E-04	5.42E-04	5.42E-04	4.60E-05	1.17E-03	2.93E-03	3.67E-03	5.14E-03	5.13E-03	0.00E+00	1.98E-04
2.33E-04	6.04E-03	1.73E-03	2.17E-03	0.00E+00	2.78E-03	2.78E-03	1.07E-04	1.40E-03	2.10E-04	4.45E-04	5.14E-04	5.14E-04	5.14E-04	4.36E-05	1.11E-03	2.73E-03	3.43E-03	4.86E-03	4.85E-03	0.00E+00	1.87E-04
2.09E-04	5.49E-03	1.63E-03	2.05E-03	0.00E+00	2.62E-03	2.62E-03	1.01E-04	1.32E-03	2.00E-04	4.23E-04	4.88E-04	4.88E-04	4.88E-04	4.14E-05	1.05E-03	2.55E-03	3.20E-03	4.57E-03	4.57E-03	0.00E+00	1.76E-04
1.89E-04	4.99E-03	1.53E-03	1.92E-03	0.00E+00	2.47E-03	2.46E-03	9.48E-05	1.24E-03	1.90E-04	4.02E-04	4.64E-04	4.64E-04	4.64E-04	3.94E-05	1.00E-03	2.38E-03	2.98E-03	4.30E-03	4.29E-03	0.00E+00	1.65E-04
1.71E-04	4.56E-03	1.44E-03	1.81E-03	0.00E+00	2.32E-03	2.32E-03	8.91E-05	1.17E-03	1.81E-04	3.83E-04	4.42E-04	4.42E-04	4.42E-04	3.75E-05	9.52E-04	2.22E-03	2.78E-03	4.03E-03	4.02E-03	0.00E+00	1.55E-04
1.55E-04	4.17E-03	1.35E-03	1.70E-03	0.00E+00	2.18E-03	2.18E-03	8.37E-05	1.09E-03	1.73E-04	3.65E-04	4.21E-04	4.21E-04	4.21E-04	3.57E-05	9.07E-04	2.07E-03	2.59E-03	3.77E-03	3.77E-03	0.00E+00	1.45E-04
1.42E-04	3.83E-03	1.27E-03	1.59E-03	0.00E+00	2.05E-03	2.05E-03	7.87E-05	1.03E-03	1.65E-04	3.48E-04	4.01E-04	4.01E-04	4.01E-04	3.40E-05	8.66E-04	1.93E-03	2.42E-03	3.53E-03	3.53E-03	0.00E+00	1.36E-04
1.30E-04	3.52E-03	1.19E-03	1.50E-03	0.00E+00	1.93E-03	1.92E-03	7.40E-05	9.65E-04	1.57E-04	3.32E-04	3.83E-04	3.83E-04	3.83E-04	3.25E-05	8.27E-04	1.80E-03	2.26E-03	3.31E-03	3.30E-03	0.00E+00	1.27E-04
1.19E-04	3.25E-03	1.12E-03	1.41E-03	0.00E+00	1.81E-03	1.81E-03	6.96E-05	9.07E-04	1.50E-04	3.17E-04	3.66E-04	3.66E-04	3.66E-04	3.10E-05	7.90E-04	1.68E-03	2.11E-03	3.10E-03	3.09E-03	0.00E+00	1.19E-04
9.43E-05	2.58E-03	9.37E-04	1.17E-03	0.00E+00	1.51E-03	1.51E-03	5.81E-05	7.57E-04	1.32E-04	2.78E-04	3.20E-04	3.20E-04	3.20E-04	2.72E-05	6.93E-04	1.38E-03	1.73E-03	2.55E-03	2.55E-03	0.00E+00	9.83E-05
8.76E-05	2.40E-03	8.83E-04	1.11E-03	0.00E+00	1.43E-03	1.43E-03	5.49E-05	7.13E-04	1.26E-04	2.67E-04	3.07E-04	3.07E-04	3.07E-04	2.60E-05	6.64E-04	1.30E-03	1.63E-03	2.40E-03	2.40E-03	0.00E+00	9.23E-05
8.15E-05	2.23E-03	8.33E-04	1.04E-03	0.00E+00	1.35E-03	1.35E-03	5.18E-05	6.73E-04	1.21E-04	2.56E-04	2.94E-04	2.94E-04	2.94E-04	2.50E-05	6.37E-04	1.22E-03	1.53E-03	2.25E-03	2.25E-03	0.00E+00	8.68E-05
7.11E-05	1.95E-03	7.45E-04	9.33E-04	0.00E+00	1.21E-03	1.20E-03	4.64E-05	6.02E-04	1.12E-04	2.36E-04	2.71E-04	2.71E-04	2.71E-04	2.30E-05	5.87E-04	1.08E-03	1.36E-03	2.00E-03	1.99E-03	0.00E+00	7.69E-05
6.66E-05	1.82E-03	7.05E-04	8.83E-04	0.00E+00	1.14E-03	1.14E-03	4.39E-05	5.70E-04	1.07E-04	2.27E-04	2.61E-04	2.61E-04	2.61E-04	2.21E-05	5.64E-04	1.02E-03	1.28E-03	1.88E-03	1.88E-03	0.00E+00	7.25E-05
3.62E-04	8.56E-03	2.86E-03	3.58E-03	0.00E+00	4.55E-03	4.54E-03	1.75E-04	2.31E-03	2.62E-04	5.54E-04	6.43E-04	6.43E-04	6.43E-04	5.46E-05	1.38E-03	3.14E-03	3.94E-03	4.79E-03	4.78E-03	0.00E+00	1.84E-04
3.21E-04	7.71E-03	2.66E-03	3.34E-03	0.00E+00	4.27E-03	4.26E-03	1.64E-04	2.15E-03	2.48E-04	5.24E-04	6.08E-04	6.08E-04	6.08E-04	5.16E-05	1.30E-03	2.97E-03	3.72E-03	4.69E-03	4.68E-03	0.00E+00	1.81E-04
2.85E-04	6.97E-03	2.51E-03	3.14E-03	0.00E+00	3.99E-03	3.99E-03	1.53E-04	2.03E-03	2.35E-04	4.97E-04	5.76E-04	5.76E-04	5.76E-04	4.89E-05	1.24E-03	2.80E-03	3.51E-03	4.56E-03	4.55E-03	0.00E+00	1.76E-04
2.55E-04	6.33E-03	2.34E-03	2.93E-03	0.00E+00	3.72E-03	3.72E-03	1.43E-04	1.89E-03	2.23E-04	4.71E-04	5.46E-04	5.46E-04	5.46E-04	4.63E-05	1.17E-03	2.64E-03	3.31E-03	4.40E-03	4.39E-03	0.00E+00	1.69E-04
2.29E-04	5.76E-03	2.18E-03	2.73E-03	0.00E+00	3.46E-03	3.46E-03	1.33E-04	1.76E-03	2.12E-04	4.48E-04	5.18E-04	5.18E-04	5.18E-04	4.40E-05	1.11E-03	2.49E-03	3.12E-03	4.22E-03	4.21E-03	0.00E+00	1.62E-04
2.06E-04	5.26E-03	2.02E-03	2.53E-03	0.00E+00	3.22E-03	3.21E-03	1.24E-04	1.63E-03	2.01E-04	4.26E-04	4.93E-04	4.93E-04	4.93E-04	4.18E-05	1.06E-03	2.34E-03	2.93E-03	4.02E-03	4.02E-03	0.00E+00	1.55E-04
1.87E-04	4.81E-03	1.87E-03	2.35E-03	0.00E+00	2.99E-03	2.98E-03	1.15E-04	1.51E-03	1.92E-04	4.05E-04	4.69E-04	4.69E-04	4.69E-04	3.98E-05	1.01E-03	2.20E-03	2.75E-03	3.82E-03	3.82E-03	0.00E+00	1.47E-04
1.70E-04	4.42E-03	1.74E-03	2.18E-03	0.00E+00	2.78E-03	2.77E-03	1.07E-04	1.40E-03	1.83E-04	3.86E-04	4.46E-04	4.46E-04	4.46E-04	3.78E-05	9.60E-04	2.06E-03	2.58E-03	3.62E-03	3.62E-03	0.00E+00	1.40E-04
1.55E-04	4.06E-03	1.61E-03	2.02E-03	0.00E+00	2.58E-03	2.58E-03	9.91E-05	1.30E-03	1.74E-04	3.68E-04	4.25E-04	4.25E-04	4.25E-04	3.61E-05	9.16E-04	1.94E-03	2.43E-03	3.43E-03	3.43E-03	0.00E+00	1.32E-04
1.42E-04	3.74E-03	1.50E-03	1.88E-03	0.00E+00	2.40E-03	2.40E-03	9.22E-05	1.21E-03	1.66E-04	3.51E-04	4.06E-04	4.06E-04	4.06E-04	3.44E-05	8.74E-04	1.82E-03	2.28E-03	3.24E-03	3.24E-03	0.00E+00	1.25E-04
1.30E-04	3.45E-03	1.40E-03	1.75E-03	0.00E+00	2.24E-03	2.23E-03	8.59E-05	1.13E-03	1.59E-04	3.36E-04	3.87E-04	3.87E-04	3.87E-04	3.29E-05	8.35E-04	1.71E-03	2.14E-03	3.06E-03	3.05E-03	0.00E+00	1.18E-04
1.20E-04	3.19E-03	1.30E-03	1.63E-03	0.00E+00	2.09E-03	2.08E-03	8.02E-05	1.05E-03	1.52E-04	3.21E-04	3.70E-04	3.70E-04	3.70E-04	3.14E-05	7.98E-04	1.60E-03	2.01E-03	2.88E-03	2.88E-03	0.00E+00	1.11E-04
9.52E-05	2.56E-03	1.06E-03	1.33E-03	0.00E+00	1.71E-03	1.71E-03	6.56E-05	8.57E-04	1.33E-04	2.82E-04	3.25E-04	3.25E-04	3.25E-04	2.75E-05	7.01E-04	1.34E-03	1.67E-03	2.42E-03	2.42E-03	0.00E+00	9.32E-05
8.86E-05	2.39E-03	9.95E-04	1.25E-03	0.00E+00	1.60E-03	1.60E-03	6.16E-05	8.04E-04	1.28E-04	2.70E-04	3.11E-04	3.11E-04	3.11E-04	2.64E-05	6.72E-04	1.26E-03	1.58E-03	2.28E-03	2.28E-03	0.00E+00	8.80E-05
8.25E-05	2.23E-03	9.34E-04	1.17E-03	0.00E+00	1.51E-03	1.50E-03	5.79E-05	7.55E-04	1.23E-04	2.59E-04	2.98E-04	2.98E-04	2.98E-04	2.53E-05	6.45E-04	1.19E-03	1.49E-03	2.16E-03	2.15E-03	0.00E+00	8.31E-05
3.38E-04	7.86E-03	3.92E-03	4.91E-03	0.00E+00	6.11E-03	6.10E-03	2.35E-04	3.16E-03	2.61E-04	5.52E-04	6.42E-04	6.42E-04	6.42E-04	5.45E-05	1.37E-03	2.74E-03	3.44E-03	3.91E-03	3.91E-03	0.00E+00	1.51E-04
3.02E-04	7.13E-03	3.56E-03	4.47E-03	0.00E+00	5.61E-03	5.60E-03	2.16E-04	2.88E-03	2.48E-04	5.23E-04	6.08E-04	6.08E-04	6.08E-04	5.16E-05	1.30E-03	2.61E-03	3.28E-03	3.88E-03	3.88E-03	0.00E+00	1.50E-04
2.71E-04	6.49E-03	3.27E-03	4.09E-03	0.00E+00	5.14E-03	5.13E-03	1.97E-04	2.64E-03	2.35E-04	4.96E-04	5.77E-04	5.77E-04	5.77E-04	4.89E-05	1.24E-03	2.49E-03	3.12E-03	3.82E-03	3.82E-03	0.00E+00	1.47E-04
2.44E-04	5.93E-03	2.99E-03	3.75E-03	0.00E+00	4.69E-03	4.69E-03	1.80E-04	2.41E-03	2.23E-04	4.71E-04	5.47E-04	5.47E-04	5.47E-04	4.64E-05	1.17E-03	2.36E-03	2.96E-03	3.74E-03	3.73E-03	0.00E+00	1.44E-04
2.21E-04	5.43E-03	2.72E-03	3.41E-03	0.00E+00	4.29E-03	4.28E-03	1.65E-04	2.20E-03	2.12E-04	4.48E-04	5.20E-04	5.20E-04	5.20E-04	4.41E-05	1.12E-03	2.24E-03	2.81E-03	3.63E-03	3.63E-03	0.00E+00	1.40E-04
2.00E-04	4.99E-03	2.48E-03	3.11E-03	0.00E+00	3.92E-03	3.91E-03	1.51E-04	2.01E-03	2.02E-04	4.27E-04	4.95E-04	4.95E-04	4.95E-04	4.20E-05	1.06E-03	2.13E-03	2.67E-03	3.51E-03	3.50E-03	0.00E+00	1.35E-04
1.82E-04	4.59E-03	2.27E-03	2.84E-03	0.00E+00	3.59E-03	3.58E-03	1.38E-04	1.83E-03	1.92E-04	4.06E-04	4.71E-04	4.71E-04	4.71E-04	3.99E-05	1.01E-03	2.01E-03	2.52E-03	3.37E-03	3.37E-03	0.00E+00	1.30E-04
1.66E-04	4.23E-03	2.08E-03	2.60E-03	0.00E+00	3.29E-03	3.29E-03	1.26E-04	1.68E-03	1.83E-04	3.87E-04	4.49E-04	4.49E-04	4.49E-04	3.81E-05	9.64E-04	1.90E-03	2.39E-03	3.23E-03	3.23E-03	0.00E+00	1.24E-04
1.53E-04	3.91E-03	1.91E-03	2.39E-03	0.00E+00	3.03E-03	3.02E-03	1.16E-04	1.54E-03	1.75E-04	3.70E-04	4.28E-04	4.28E-04	4.28E-04	3.63E-05	9.20E-04	1.80E-03	2.25E-03	3.08E-03	3.08E-03	0.00E+00	1.19E-04
1.40E-04	3.62E-03	1.75E-03	2.20E-03	0.00E+00	2.79E-03	2.78E-03	1.07E-04	1.42E-03	1.67E-04	3.53E-04	4.08E-04	4.08E-04	4.08E-04	3.46E-05	8.79E-04	1.70E-03	2.13E-03	2.94E-03	2.94E-03	0.00E+00	1.13E-04
1.29E-04	3.35E-03	1.62E-03	2.02E-03	0.00E+00	2.58E-03	2.57E-03	9.89E-05	1.30E-03	1.60E-04	3.38E-04	3.90E-04	3.90E-04	3.90E-04	3.31E-05	8.40E-04	1.61E-03	2.01E-03	2.80E-03	2.80E-03	0.00E+00	1.08E-04
1.19E-04	3.11E-03	1.49E-03	1.87E-03	0.00E+00	2.38E-03	2.38E-03	9.15E-05	1.21E-03	1.53E-04	3.23E-04	3.73E-04	3.73E-04	3.73E-04	3.16E-05	8.04E-04	1.52E-03	1.90E-03	2.66E-03	2.66E-03	0.00E+00	1.02E-04
3.07E-04	7.11E-03	5.41E-03	6.78E-03	0.00E+00	8.24E-03	8.23E-03	3.16E-04	4.37E-03	2.59E-04	5.47E-04	6.37E-04	6.37E-04	6.37E-04	5.40E-05	1.36E-03	2.39E-03	2.99E-03	3.21E-03	3.20E-03	0.00E+00	1.24E-04
2.78E-04	6.50E-03	4.80E-03	6.01E-03	0.00E+00	7.35E-03	7.34E-03