Appendix B1

Air Quality and Greenhouse Gas Calculations

Terminal Island MSF - Air Quality/GHG Emissions Summary

Construction AQ

Air Pollutant Emissions (lb/day)

Construction Emissions	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
2025	3.82	51.20	41.70	0.15	1.55	33.40	35.00	1.44	7.28	8.73
2026	5.83	48.00	39.90	0.15	1.43	33.40	34.80	1.33	7.28	8.61
2027	17.10	21.40	33.80	0.06	0.68	13.80	14.50	0.63	1.85	2.47
Maximum Daily (lb/day)	**17.10**	**51.20**	**41.70**	**0.15**	**1.55**	**33.40**	**35.00**	**1.44**	**7.28**	**8.73**

Operation AQ

Opening Year (2027)										
Operation Emissions	**ROG**	**NOx**	**CO**	**SO_2**	**PM10E**	**PM10D**	**PM10T**	**PM2.5E**	**PM2.5D**	**PM2.5T**
Worker Vehicles	0.67	0.69	7.68	0.02	0.01	1.90	1.91	0.01	0.48	0.49
Cargo-Handling Equipment	1.91	9.94	101.00	0.19	0.38	< 0.01	0.38	0.38	< 0.01	0.38
Energy and Area Sources	1.20	0.05	3.11	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Off-site, Truck Trips	0.19	33.18	4.79	0.24	0.10	8.48	8.58	0.10	1.71	1.81
On-site, Truck Trips	0.09	14.15	1.89	0.06	0.02	1.61	1.63	0.02	0.33	0.35
On-site, Idling	2.30	14.64	20.40	0.03	0.00	0.00	0.00	0.00	0.00	0.00
Maximum Daily, Opening Year (lb/day)	**6.36**	**72.65**	**138.87**	**0.55**	**0.52**	**11.99**	**12.50**	**0.51**	**2.52**	**3.03**
Annual, Opening Year (ton/year)	**1.16**	**13.26**	**25.34**	**0.10**	**0.09**	**2.19**	**2.28**	**0.09**	**0.46**	**0.55**

Operation AQ

Buildout (2046)										
Operation Emissions	**ROG**	**NOx**	**CO**	**SO_2**	**PM10E**	**PM10D**	**PM10T**	**PM2.5E**	**PM2.5D**	**PM2.5T**
Worker Vehicles	0.59	0.49	6.97	0.02	0.01	2.39	2.40	0.01	0.61	0.61
Cargo-Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Energy and Area Sources	1.20	0.05	3.11	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Off-site, Truck Trips	0.24	42.41	11.62	0.30	0.11	15.79	15.90	0.11	3.20	3.30
On-site, Truck Trips	0.12	18.68	4.30	0.07	0.03	3.00	3.02	0.03	0.61	0.64
On-site, Idling	4.27	27.18	37.88	0.06	0.01	0.00	0.01	0.01	0.00	0.01
Maximum Daily, Buildout Year (lb/day)	**6.42**	**88.81**	**63.88**	**0.46**	**0.16**	**21.17**	**21.33**	**0.15**	**4.42**	**4.56**
Annual, Buildout Year (ton/year)	**1.17**	**16.21**	**11.66**	**0.08**	**0.03**	**3.86**	**3.89**	**0.03**	**0.81**	**0.83**

Acronyms: reactive organic gases (ROG) equivalent to volatile organic compounds (VOC); nitrogen oxides (NOx); carbon monoxide (CO); sulfur dioxide (SO2).
Respirable particulate matter less than 10 micrometers (PM10); fine particulate matter less than 2.5 micrometers (PM2.5).
PM10 from exhaust (PM10E), dust (PM10D), and total (PM10T); PM2.5 from exhaust (PM2.5E), dust (PM2.5D), and total (PM2.5T).

GHG Emissions (MT and MT/year)

Construction GHG	CO_2e
One-time Construction	**(MT)**
Construction Total (MT)	3,291

	CO_2e
	(MT/yr)
Amortized Construction Emissions, Annually	109.7

Operation GHG	CO_2e
Opening Year (2027)	**(MT/yr)**
Worker Vehicles	319
Cargo-Handling Equipment	2,388
Electricity Use	282
Other Energy, Area Sources	13
Off-site, Truck Trips	4,536
On-site, Truck Trips	1,146
On-site, Idling	664
Total, Opening Year (MT/year)	**9,347**

	CO_2e
Operation, with Amortized Construction	**(MT/yr)**
Opening Year (2027), Total Annualized (MT/year)	9,457
Opening Year (2027), without Electricity Use (MT/year)	9,175

	CO_2e
Buildout (2046)	**(MT/yr)**
Worker Vehicles	337
Cargo-Handling Equipment	0
Electricity Use	1,151
Other Energy, Area Sources	13
Off-site, Truck Trips	5,799
On-site, Truck Trips	1,431
On-site, Idling	1,234
Total, Opening Year (MT/year)	**9,964**

	CO_2e
Operation, with Amortized Construction	**(MT/yr)**
Buildout Year (2046), Total Annualized (MT/year)	10,074
Buildout Year (2046), without Electricity Use (MT/year)	8,923

Acronyms: metric tons (MT); carbon dioxide-equivalents (CO2e).

Terminal Island MSF - Air Quality/GHG Emissions, schedule basis

Construction Schedule

Phase Name	Start Date	End Date	Days Per Week	Months, Est.	Work Days per Phase
Site Preparation	9/1/2025	4/10/2026	5	8	160
Grading	4/15/2026	9/29/2026	5	6	120
Building Construction	10/1/2026	7/7/2027	5	10	200
Substation-Electrical	7/8/2027	8/4/2027	5	1	20
Paving	11/3/2026	1/25/2027	5	3	60
Architectural Coating	4/8/2027	6/30/2027	5	3	60

(Phasing basis ~ 20 work days / month)

Terminal Island MSF - Air Quality/GHG Emissions, construction off-road equipment basis

Construction Activity Details (Tab 5.2 from CalEEMod Report)

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Average	3	8	367	0.4
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4	8	84	0.37
Grading	Graders	Diesel	Average	1	8	148	0.41
Grading	Excavators	Diesel	Average	2	8	36	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2	8	84	0.37
Grading	Scrapers	Diesel	Average	2	8	423	0.48
Grading	Rubber Tired Dozers	Diesel	Average	1	8	367	0.4
Building Construction	Forklifts	Diesel	Average	3	8	82	0.2
Building Construction	Generator Sets	Diesel	Average	1	8	14	0.74
Building Construction	Cranes	Diesel	Average	1	7	367	0.29
Building Construction	Welders	Diesel	Average	1	8	46	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3	7	84	0.37
Substation-Electrical	Forklifts	Diesel	Average	3	8	82	0.2
Substation-Electrical	Generator Sets	Diesel	Average	1	8	14	0.74
Substation-Electrical	Cranes	Diesel	Average	1	7	367	0.29
Substation-Electrical	Welders	Diesel	Average	1	8	46	0.45
Substation-Electrical	Tractors/Loaders/Backhoes	Diesel	Average	3	7	84	0.37
Substation-Electrical	Bore/Drill Rigs	Diesel	Average	1	4	83	0.5
Paving	Pavers	Diesel	Average	2	8	81	0.42
Paving	Paving Equipment	Diesel	Average	2	8	89	0.36
Paving	Rollers	Diesel	Average	2	8	36	0.38
Architectural Coating	Air Compressors	Diesel	Average	3	6	37	0.48

Terminal Island MSF - Air Quality/GHG Emissions, construction on-highway vehicles basis

Construction Activity Details (Tab 5.3 from CalEEMod Report)

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation				
Site Preparation	Worker	60	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	10	10.2	HHDT,MHDT
Site Preparation	Hauling	200	20	HHDT
Site Preparation	Onsite truck	40	4	HHDT
Grading				
Grading	Worker	60	18.5	LDA,LDT1,LDT2
Grading	Vendor	10	10.2	HHDT,MHDT
Grading	Hauling	140	20	HHDT
Grading	Onsite truck	40	4	HHDT
Building Construction				
Building Construction	Worker	120	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	4	10.2	HHDT,MHDT
Building Construction	Hauling	20	20	HHDT
Building Construction	Onsite truck	10	4	HHDT
Paving				
Paving	Worker	60	18.5	LDA,LDT1,LDT2
Paving	Vendor	10	10.2	HHDT,MHDT
Paving	Hauling	20	20	HHDT
Paving	Onsite truck	10	4	HHDT
Architectural Coating				
Architectural Coating	Worker	30	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	10	10.2	HHDT,MHDT
Architectural Coating	Hauling	20	20	HHDT
Architectural Coating	Onsite truck	10	4	HHDT
Substation-Electrical				
Substation-Electrical	Worker	30	18.5	LDA,LDT1,LDT2
Substation-Electrical	Vendor	10	10.2	HHDT,MHDT
Substation-Electrical	Hauling	20	20	HHDT
Substation-Electrical	Onsite truck	10	4	HHDT

Terminal Island MSF - Air Quality/GHG Emissions, construction subtotals

Construction Emissions Details (Tab 2.3 from CalEEMod Report)

Construction AQ - Criteria Air Pollutants

2.3 Construction Emissions by Year, with Dust Control										
Year	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily - Summer (Max), (lb/day)										
2025	3.82	50.40	41.70	0.15	1.55	33.40	35.00	1.44	7.28	8.73
2026	3.62	47.20	39.90	0.15	1.43	33.40	34.80	1.33	7.28	8.61
2027	17.10	16.60	27.10	0.05	0.44	13.40	13.80	0.40	1.76	2.16
Daily - Winter (Max), (lb/day)										
2025	3.80	51.20	41.20	0.15	1.55	33.40	35.00	1.44	7.28	8.73
2026	5.83	48.00	39.40	0.15	1.43	33.40	34.80	1.33	7.28	8.61
2027	5.73	21.40	33.80	0.06	0.68	13.80	14.50	0.63	1.85	2.47
Average Daily (lb/day)										
2025	0.91	12.30	9.87	0.04	0.37	7.87	8.24	0.34	1.73	2.07
2026	2.61	26.30	25.10	0.08	0.80	17.60	18.40	0.75	3.15	3.89
2027	3.39	6.36	10.00	0.02	0.18	4.26	4.44	0.17	0.57	0.74
Annual (tons/year)										
2025	0.17	2.24	1.80	0.01	0.07	1.44	1.50	0.06	0.32	0.38
2026	0.48	4.80	4.58	0.01	0.15	3.22	3.36	0.14	0.57	0.71
2027	0.62	1.16	1.83	< 0.005	0.03	0.78	0.81	0.03	0.10	0.13

Construction (tons)	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Total Duration	1.27	8.20	8.21	0.02	0.25	5.44	5.67	0.23	0.99	1.22

Construction GHG - Totals

Year	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Annual						
2025	825	825	0.04	0.09	0.64	855
2026	1,882	1,882	0.09	0.19	1.28	1,942
2027	483	483	0.02	0.03	0.32	494
Total Annual	3,190	3,190	0.15	0.31	2.24	3,291

Terminal Island MSF - Air Quality/GHG Emissions, operational subtotals

Operational Emissions Summary with CalEEMod Details (Tab 2.5 from CalEEMod Report)

Operational AQ, Opening Year - Worker Trips and Cargo Handling

Daily (Max) - (lb/day)	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Mobile	0.67	0.69	7.68	0.02	0.01	1.90	1.91	0.01	0.48	0.49
Area	1.20	0.03	3.10	< 0.005	0.01	< 0.005	0.01	< 0.005	< 0.005	< 0.005
Energy	< 0.005	0.02	0.01	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005
Off-Road	1.91	9.94	101.00	0.19	0.38		0.38	0.38		0.38
Subtotal, Worker Trips and Yard	3.78	10.68	111.79	0.21	0.40	1.90	2.30	0.39	0.48	0.87

	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Worker Vehicles	0.67	0.69	7.68	0.02	0.01	1.90	1.91	0.01	0.48	0.49
Cargo-Handling Equipment	1.91	9.94	101.00	0.19	0.38	< 0.01	0.38	0.38	< 0.01	0.38
Energy and Area Sources	1.20	0.05	3.11	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

Operational AQ, Buildout Year - Worker Trips and Cargo Handling

Daily (Max) - (lb/day)	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Mobile	0.59	0.49	6.97	0.02	0.01	2.39	2.40	0.01	0.61	0.61
Area	1.20	0.03	3.10	< 0.005	0.01	< 0.005	0.01	< 0.005	< 0.005	< 0.005
Energy	< 0.005	0.02	0.01	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005
Off-Road	0.00	0.00	0.00	0.00	0.00		0.00	0.00		0.00
Subtotal, Worker Trips and Yard	1.79	0.54	10.08	0.02	0.02	2.39	2.41	0.01	0.61	0.61

Note: cargo handling equipment assumption is diesel in Opening Year (2027) and zero-emissions (e.g., battery electric) in Buildout Year (2046).

	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Worker Vehicles	0.59	0.49	6.97	0.02	0.01	2.39	2.40	0.01	0.61	0.61
Cargo-Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Energy and Area Sources	1.20	0.05	3.11	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

Operational GHG, Opening Year - Worker Trips and Cargo Handling

Annual (MT/year)	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Mobile		315	315	0.01	0.01	0.43	319
Area		1.45	1.45	< 0.005	< 0.005		1.45
Energy		283	283	0.02	< 0.005		285
Water	0.49	3.28	3.76	0.05	< 0.005		5.38
Waste	0.73	0	0.73	0.07	0		2.55
Refrig.						0.19	0.19
Off-Road		2380	2380	0.1	0.02		2,388
Subtotal GHG	1.2	2982.7	2983.9	0.3	0.0	0.6	3,002

	CO_2e
Worker Vehicles	319
Cargo-Handling Equipment	2,388
Electricity Use	282
Other Energy (natural gas), Water, Waste, Area Sources	13

Operational GHG, Buildout Year - Worker Trips and Cargo Handling

Annual (MT/year)	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Mobile		333	333	0.01	0.01	0.03	337
Area		1.45	1.45	< 0.005	< 0.005		1.45
Energy		1149	1149	0.08	0.01		1154
Water	0.49	3.28	3.76	0.05	< 0.005		5.38
Waste	0.73	0	0.73	0.07	0		2.55
Refrig.						0.19	0.19
Off-Road		0	0	0	0		0
Subtotal GHG	1.2	1486.7	1487.9	0.2	0.0	0.2	1,501

Note: cargo handling equipment assumption is diesel in Opening Year (2027) and zero-emissions (e.g., battery electric) in Buildout Year (2046).

	CO_2e
Worker Vehicles	337
Cargo-Handling Equipment	0
Electricity Use	1,151
Other Energy (natural gas), Water, Waste, Area Sources	13

Terminal Island MSF - Air Quality/GHG Emissions, operational subtotals

Operational Emissions - Truck Travel Details

Operational Activity Assumptions, Diverted Truck Trips - Trip Characteristics and Idling

Opening Year (2027)	Trips, one-way (trip/day)	Average Length (mi/trip)	Average Speed (mph)	VMT Change (mi/day)	Visits daily, for Idling	Idling Time (hr/visit)	Truck Idling (hr/day)
Off-site	3,682	1.87	30	6,885	1,841	0.15	276.15
On-site	3,682	0.35	15	1,289			
Buildout (2046)							
Off-site	6,838	1.87	30	12,787	3,419	0.15	512.85
On-site	6,838	0.35	15	2,393			

Note: Off-site VMT basis - average diverted truck trip length of 1.87 miles (POLA Goods Movement Division, spreadsheet 20230112).

On-site VMT basis, average of 0.35 mile from gate to extent of site.

Terminal Way posted speed limit: 30 mph.

Idling time estimate of 0.15 hours (9 minutes) consistent with the POLA Inventory of Air Emissions for Calendar Year 2017.

Operational AQ, Truck Travel - Daily Emissions (lb/day) = (VMT Change) * (lb/VMT) from EMFAC Emissions Inventory

	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Opening Year (2027)	(lb/d)	(lb/d)	(lb/d)	(lb/d)	(lb/d)	(lb/d)	(lb/d)	(lb/d)	(lb/d)	(lb/d)
Off-site, Travel	0.19	33.18	4.79	0.24	0.10	8.48	8.58	0.10	1.71	1.81
On-site, Travel	0.09	14.15	1.89	0.06	0.02	1.61	1.63	0.02	0.33	0.35
Buildout (2046)										
Off-site, Travel	0.24	42.41	11.62	0.30	0.11	15.79	15.90	0.11	3.20	3.30
On-site, Travel	0.12	18.68	4.30	0.07	0.03	3.00	3.02	0.03	0.61	0.64

Operational GHG, Truck Travel - Annual Emissions (lb/year) = 365 days/year * (VMT Change) * (lb/VMT) from EMFAC Emissions Inventory

	CO2	CH4	N2O
Opening Year (2027)	(lb/y)	(lb/y)	(lb/y)
Off-site, Travel	9.55E+06	114.74	1509.34
On-site, Travel	2.41E+06	46.80	381.36
Buildout (2046)			
Off-site, Travel	1.22E+07	502.62	1942.17
On-site, Travel	3.01E+06	194.39	479.86

Note: Global Warming Potentials from IPCC's (2007) Fourth Assessment Report

GWP =	1	25	298

Opening Year (2027)	**GHG (MTCO2e/year)**
Off-site	4,536
On-site	1,146

Buildout (2046)	**GHG (MTCO2e/year)**
Off-site	5,799
On-site	1,431

Operational AQ, Truck Idling - Daily Emissions (lb/day) = (one-way trips / 2) * (Idling Time per Visit) * (g/hour) from zero-speed factors

	ROG	NOx	CO	SO_2	PM10E			PM2.5E		
Idling, Emission Facttors	(g/hr)	(g/hr)	(g/hr)	(g/hr)	(g/hr)			(g/hr)		
Speed (0 mph = g/hour)	3.7761	24.0412	33.5075	0.0523	0.0066			0.0063		

Emission Factors: SPBP Emissions Inventory Methodology Report (v.4 - 2023): Table 6.3: 2022 Speed-Specific Composite Emission Factors

	ROG	NOx	CO	SO_2	PM10E			PM2.5E		
Opening Year (2027)	(lb/d)	(lb/d)	(lb/d)	(lb/d)	(lb/d)			(lb/d)		
On-site, Idling	2.30	14.64	20.40	0.03	0.004			0.004		
Buildout (2046)										
On-site, Idling	4.27	27.18	37.88	0.06	0.007			0.007		

Operational GHG, Truck Idling - Annual Emissions (MT/year)

	CO2	CH4	N2O
Idling, Emission Facttors	(g/hr)	(g/hr)	(g/hr)
Speed (0 mph = g/hour)	6284	1.3273	0.9171

Emission Factors: SPBP Emissions Inventory Methodology Report (v.4 - 2023): Table 6.3: 2022 Speed-Specific Composite Emission Factors

	CO2	CH4	N2O
Opening Year (2027)	(MT/y)	(MT/y)	(MT/y)
On-site, Idling	633.39	0.13	0.09
Buildout (2046)			
On-site, Idling	1176.30	0.25	0.17

Note: Global Warming Potentials from IPCC's (2007) Fourth Assessment Report

GWP =	1	25	298

Opening Year (2027) GHG (MTCO2e/year)	
Idling	664
Buildout (2046) GHG (MTCO2e/year)	
Idling	1,234

Operational Emissions Details (Truck Trip Emission Factors Summary, from EMFAC2021)

Source: EMFAC2021 (v1.0.2) Emissions Inventory
Region Type: Sub-Area
Region: Los Angeles (SC)
Calendar Year: 2027, 2046
Season: Annual
Vehicle Classification: EMFAC202x Categories

Vehicle Class, Calendar Year, Speed	(lb/VMT) ROG_RUNEX	(lb/VMT) NOx_RUNEX	(lb/VMT) CO_RUNEX	(lb/VMT) SOx_RUNEX	(lb/VMT) PM10_RUNEX	(lb/VMT) PM10_PMBW	(lb/VMT) PM2.5_RUNEX	(lb/VMT) PM2.5_PMBW	(lb/VMT) CO2_RUNEX	(lb/VMT) CH4_RUNEX	(lb/VMT) N2O_RUNEX
T7 POLA Class 8, Year:2027, mph:30	2.79E-05	4.82E-03	6.96E-04	3.55E-05	1.49E-05	2.81E-04	1.43E-05	9.85E-05	3.80E+00	4.57E-05	6.01E-04
T7 POLA Class 8, Year:2027, mph:15	6.81E-05	1.10E-02	1.46E-03	4.79E-05	1.63E-05	2.98E-04	1.56E-05	1.04E-04	5.13E+00	9.95E-05	8.11E-04

Vehicle Class, Calendar Year, Speed	(lb/VMT) ROG_RUNEX	(lb/VMT) NOx_RUNEX	(lb/VMT) CO_RUNEX	(lb/VMT) SOx_RUNEX	(lb/VMT) PM10_RUNEX	(lb/VMT) PM10_PMBW	(lb/VMT) PM2.5_RUNEX	(lb/VMT) PM2.5_PMBW	(lb/VMT) CO2_RUNEX	(lb/VMT) CH4_RUNEX	(lb/VMT) N2O_RUNEX
T7 POLA Class 8, Year:2046, mph:30	1.88E-05	3.32E-03	9.08E-04	2.38E-05	8.69E-06	2.85E-04	8.30E-06	9.97E-05	2.61E+00	1.08E-04	4.16E-04
T7 POLA Class 8, Year:2046, mph:15	4.98E-05	7.81E-03	1.80E-03	3.12E-05	1.18E-05	3.02E-04	1.13E-05	1.06E-04	3.44E+00	2.23E-04	5.49E-04

For PM10D & PM2.5D: Adjust EMFAC EI by adding tire wear and road dust

Tire Wear Emission Factor (lb/VMT) - EMFAC2021 (aggregate speeds)

PM10_TW	PM2.5_TW
7.94E-05	1.98E-05

Road Dust Emission Factor (lb/VMT) - Ref prior calculations: POLA Navy Way (2022)

PM10D	PM2.5D
8.70E-04	1.31E-04

Vehicle Class, Calendar Year, Speed	(lb/VMT) PM10D	(lb/VMT) PM2.5D
T7 POLA Class 8, Year:2027, mph:30	1.23E-03	2.49E-04
T7 POLA Class 8, Year:2027, mph:15	1.25E-03	2.55E-04

Vehicle Class, Calendar Year, Speed	(lb/VMT) PM10D	(lb/VMT) PM2.5D
T7 POLA Class 8, Year:2046, mph:30	1.23E-03	2.50E-04
T7 POLA Class 8, Year:2046, mph:15	1.25E-03	2.56E-04

Terminal Is. MSF - Construction v240806 Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Terminal Is. MSF - Construction v240806
Construction Start Date	9/1/2025
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.50
Precipitation (days)	7.20
Location	33.74865331181583, -118.25653116526375
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4613
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
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
Parking Lot	80.0	Acre	75.0	75.0	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-9	Use Dust Suppressants
Construction	C-10-A	Water Exposed Surfaces
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads
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.	17.7	17.1	50.4	41.7	0.15	1.55	260	261	1.44	34.8	36.3	—	20,906	20,906	1.07	2.39	37.3	21,681
Mit.	17.7	17.1	50.4	41.7	0.15	1.55	33.4	35.0	1.44	7.28	8.73	—	20,906	20,906	1.07	2.39	37.3	21,681
% Reduced	—	—	—	—	—	—	87%	87%	—	79%	76%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.47	5.83	51.2	41.2	0.15	1.55	260	261	1.44	34.8	36.3	—	20,870	20,870	1.07	2.39	0.97	21,609
Mit.	6.47	5.83	51.2	41.2	0.15	1.55	33.4	35.0	1.44	7.28	8.73	—	20,870	20,870	1.07	2.39	0.97	21,609
% Reduced	—	—	—	—	—	—	87%	87%	—	79%	76%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.58	3.39	26.3	25.1	0.08	0.80	148	148	0.75	17.6	18.4	—	11,370	11,370	0.57	1.14	7.73	11,732

Mit.	3.58	3.39	26.3	25.1	0.08	0.80	17.6	18.4	0.75	3.15	3.89	—	11,370	11,370	0.57	1.14	7.73	11,732
% Reduced	—	—	—	—	—	—	88%	88%	—	82%	79%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.65	0.62	4.80	4.58	0.01	0.15	26.9	27.1	0.14	3.22	3.36	—	1,882	1,882	0.09	0.19	1.28	1,942
Mit.	0.65	0.62	4.80	4.58	0.01	0.15	3.22	3.36	0.14	0.57	0.71	—	1,882	1,882	0.09	0.19	1.28	1,942
% Reduced	—	—	—	—	—	—	88%	88%	—	82%	79%	—	—	—	—	—	—	—

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	5.41	3.82	50.4	41.7	0.15	1.55	260	261	1.44	34.8	36.3	—	20,906	20,906	1.07	2.39	37.3	21,681
2026	5.08	3.62	47.2	39.9	0.15	1.43	260	261	1.33	34.8	36.2	—	20,625	20,625	1.07	2.39	35.3	21,398
2027	17.7	17.1	16.6	27.1	0.05	0.44	121	121	0.40	12.5	12.9	—	8,179	8,179	0.37	0.63	13.6	8,391
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	5.39	3.80	51.2	41.2	0.15	1.55	260	261	1.44	34.8	36.3	—	20,870	20,870	1.07	2.39	0.97	21,609
2026	6.47	5.83	48.0	39.4	0.15	1.43	260	261	1.33	34.8	36.2	—	20,589	20,589	1.07	2.39	0.92	21,328
2027	6.36	5.73	21.4	33.8	0.06	0.68	121	122	0.63	12.5	13.2	—	9,566	9,566	0.36	0.66	0.38	9,772
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.29	0.91	12.3	9.87	0.04	0.37	60.9	61.3	0.34	8.21	8.55	—	4,984	4,984	0.26	0.57	3.85	5,164
2026	3.39	2.61	26.3	25.1	0.08	0.80	148	148	0.75	17.6	18.4	—	11,370	11,370	0.57	1.14	7.73	11,732
2027	3.58	3.39	6.36	10.0	0.02	0.18	37.7	37.9	0.17	3.90	4.07	—	2,918	2,918	0.11	0.21	1.96	2,984
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2025	0.24	0.17	2.24	1.80	0.01	0.07	11.1	11.2	0.06	1.50	1.56	—	825	825	0.04	0.09	0.64	855
2026	0.62	0.48	4.80	4.58	0.01	0.15	26.9	27.1	0.14	3.22	3.36	—	1,882	1,882	0.09	0.19	1.28	1,942
2027	0.65	0.62	1.16	1.83	< 0.005	0.03	6.88	6.91	0.03	0.71	0.74	—	483	483	0.02	0.03	0.32	494

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	5.41	3.82	50.4	41.7	0.15	1.55	33.4	35.0	1.44	7.28	8.73	—	20,906	20,906	1.07	2.39	37.3	21,681
2026	5.08	3.62	47.2	39.9	0.15	1.43	33.4	34.8	1.33	7.28	8.61	—	20,625	20,625	1.07	2.39	35.3	21,398
2027	17.7	17.1	16.6	27.1	0.05	0.44	13.4	13.8	0.40	1.76	2.16	—	8,179	8,179	0.37	0.63	13.6	8,391
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	5.39	3.80	51.2	41.2	0.15	1.55	33.4	35.0	1.44	7.28	8.73	—	20,870	20,870	1.07	2.39	0.97	21,609
2026	6.47	5.83	48.0	39.4	0.15	1.43	33.4	34.8	1.33	7.28	8.61	—	20,589	20,589	1.07	2.39	0.92	21,328
2027	6.36	5.73	21.4	33.8	0.06	0.68	13.8	14.5	0.63	1.85	2.47	—	9,566	9,566	0.36	0.66	0.38	9,772
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.29	0.91	12.3	9.87	0.04	0.37	7.87	8.24	0.34	1.73	2.07	—	4,984	4,984	0.26	0.57	3.85	5,164
2026	3.39	2.61	26.3	25.1	0.08	0.80	17.6	18.4	0.75	3.15	3.89	—	11,370	11,370	0.57	1.14	7.73	11,732
2027	3.58	3.39	6.36	10.0	0.02	0.18	4.26	4.44	0.17	0.57	0.74	—	2,918	2,918	0.11	0.21	1.96	2,984
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.24	0.17	2.24	1.80	0.01	0.07	1.44	1.50	0.06	0.32	0.38	—	825	825	0.04	0.09	0.64	855
2026	0.62	0.48	4.80	4.58	0.01	0.15	3.22	3.36	0.14	0.57	0.71	—	1,882	1,882	0.09	0.19	1.28	1,942
2027	0.65	0.62	1.16	1.83	< 0.005	0.03	0.78	0.81	0.03	0.10	0.13	—	483	483	0.02	0.03	0.32	494

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	3.94	3.31	31.6	30.2	0.05	1.37	—	1.37	1.26	—	1.26	—	5,295	5,295	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—
Onsite truck	0.09	0.03	1.13	0.60	< 0.005	0.01	236	236	0.01	23.5	23.5	—	609	609	0.05	0.10	1.29	640
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.94	3.31	31.6	30.2	0.05	1.37	—	1.37	1.26	—	1.26	—	5,295	5,295	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—
Onsite truck	0.08	0.03	1.18	0.62	< 0.005	0.01	236	236	0.01	23.5	23.5	—	610	610	0.05	0.10	0.03	640
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.94	0.79	7.55	7.20	0.01	0.33	—	0.33	0.30	—	0.30	—	1,264	1,264	0.05	0.01	—	1,269
Dust From Material Movement	—	—	—	—	—	—	4.70	4.70	—	2.41	2.41	—	—	—	—	—	—	—
Onsite truck	0.02	0.01	0.28	0.15	< 0.005	< 0.005	55.1	55.1	< 0.005	5.50	5.50	—	145	145	0.01	0.02	0.13	153
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	1.38	1.31	< 0.005	0.06	—	0.06	0.05	—	0.05	—	209	209	0.01	< 0.005	—	210
Dust From Material Movement	—	—	—	—	—	—	0.86	0.86	—	0.44	0.44	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	10.1	10.1	< 0.005	1.00	1.00	—	24.1	24.1	< 0.005	< 0.005	0.02	25.3
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.29	0.26	0.26	4.17	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	830	830	0.04	0.03	3.04	842
Vendor	0.02	0.01	0.36	0.18	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	317	317	0.01	0.04	0.87	332
Hauling	1.08	0.22	17.0	6.61	0.09	0.18	3.71	3.88	0.18	1.02	1.19	—	13,855	13,855	0.75	2.17	32.2	14,554
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.28	0.25	0.29	3.54	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	786	786	0.04	0.03	0.08	796
Vendor	0.02	0.01	0.38	0.18	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	317	317	0.01	0.04	0.02	331
Hauling	1.06	0.20	17.7	6.68	0.09	0.18	3.71	3.88	0.18	1.02	1.19	—	13,861	13,861	0.75	2.17	0.83	14,528
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.07	0.89	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	191	191	0.01	0.01	0.31	193

Vendor	0.01	< 0.005	0.09	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	75.8	75.8	< 0.005	0.01	0.09	79.1
Hauling	0.25	0.05	4.26	1.59	0.02	0.04	0.88	0.92	0.04	0.24	0.28	—	3,308	3,308	0.18	0.52	3.31	3,471
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.16	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	31.5	31.5	< 0.005	< 0.005	0.05	32.0
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.5	12.5	< 0.005	< 0.005	0.01	13.1
Hauling	0.05	0.01	0.78	0.29	< 0.005	0.01	0.16	0.17	0.01	0.04	0.05	—	548	548	0.03	0.09	0.55	575

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	3.94	3.31	31.6	30.2	0.05	1.37	—	1.37	1.26	—	1.26	—	5,295	5,295	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	7.68	7.68	—	3.94	3.94	—	—	—	—	—	—	—
Onsite truck	0.09	0.03	1.13	0.60	< 0.005	0.01	21.1	21.1	0.01	2.12	2.13	—	609	609	0.05	0.10	1.29	640
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.94	3.31	31.6	30.2	0.05	1.37	—	1.37	1.26	—	1.26	—	5,295	5,295	0.21	0.04	—	5,314

Dust From Material Movement	—	—	—	—	—	—	7.68	7.68	—	3.94	3.94	—	—	—	—	—	—	—
Onsite truck	0.08	0.03	1.18	0.62	< 0.005	0.01	21.1	21.1	0.01	2.12	2.13	—	610	610	0.05	0.10	0.03	640
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	0.79	7.55	7.20	0.01	0.33	—	0.33	0.30	—	0.30	—	1,264	1,264	0.05	0.01	—	1,269
Dust From Material Movement	—	—	—	—	—	—	1.83	1.83	—	0.94	0.94	—	—	—	—	—	—	—
Onsite truck	0.02	0.01	0.28	0.15	< 0.005	< 0.005	4.95	4.95	< 0.005	0.50	0.50	—	145	145	0.01	0.02	0.13	153
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	1.38	1.31	< 0.005	0.06	—	0.06	0.05	—	0.05	—	209	209	0.01	< 0.005	—	210
Dust From Material Movement	—	—	—	—	—	—	0.33	0.33	—	0.17	0.17	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	0.90	0.90	< 0.005	0.09	0.09	—	24.1	24.1	< 0.005	< 0.005	0.02	25.3
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.29	0.26	0.26	4.17	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	830	830	0.04	0.03	3.04	842
Vendor	0.02	0.01	0.36	0.18	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	317	317	0.01	0.04	0.87	332
Hauling	1.08	0.22	17.0	6.61	0.09	0.18	3.71	3.88	0.18	1.02	1.19	—	13,855	13,855	0.75	2.17	32.2	14,554

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.28	0.25	0.29	3.54	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	786	786	0.04	0.03	0.08	796
Vendor	0.02	0.01	0.38	0.18	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	317	317	0.01	0.04	0.02	331
Hauling	1.06	0.20	17.7	6.68	0.09	0.18	3.71	3.88	0.18	1.02	1.19	—	13,861	13,861	0.75	2.17	0.83	14,528
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.07	0.89	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	191	191	0.01	0.01	0.31	193
Vendor	0.01	< 0.005	0.09	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	75.8	75.8	< 0.005	0.01	0.09	79.1
Hauling	0.25	0.05	4.26	1.59	0.02	0.04	0.88	0.92	0.04	0.24	0.28	—	3,308	3,308	0.18	0.52	3.31	3,471
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.16	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	31.5	31.5	< 0.005	< 0.005	0.05	32.0
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.5	12.5	< 0.005	< 0.005	0.01	13.1
Hauling	0.05	0.01	0.78	0.29	< 0.005	0.01	0.16	0.17	0.01	0.04	0.05	—	548	548	0.03	0.09	0.55	575

3.3. Site Preparation (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	3.74	3.14	29.2	28.8	0.05	1.24	—	1.24	1.14	—	1.14	—	5,298	5,298	0.21	0.04	—	5,316
Dust From Material Movement	—	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—

Onsite truck	0.08	0.03	1.10	0.60	< 0.005	0.01	236	236	0.01	23.5	23.5	—	598	598	0.05	0.10	1.22	629
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.74	3.14	29.2	28.8	0.05	1.24	—	1.24	1.14	—	1.14	—	5,298	5,298	0.21	0.04	—	5,316
Dust From Material Movement	—	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—
Onsite truck	0.08	0.03	1.15	0.61	< 0.005	0.01	236	236	0.01	23.5	23.5	—	599	599	0.05	0.10	0.03	629
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	0.62	5.71	5.64	0.01	0.24	—	0.24	0.22	—	0.22	—	1,037	1,037	0.04	0.01	—	1,040
Dust From Material Movement	—	—	—	—	—	—	3.85	3.85	—	1.98	1.98	—	—	—	—	—	—	—
Onsite truck	0.02	0.01	0.22	0.12	< 0.005	< 0.005	45.2	45.2	< 0.005	4.51	4.51	—	117	117	0.01	0.02	0.10	123
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	1.04	1.03	< 0.005	0.04	—	0.04	0.04	—	0.04	—	172	172	0.01	< 0.005	—	172
Dust From Material Movement	—	—	—	—	—	—	0.70	0.70	—	0.36	0.36	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	8.25	8.25	< 0.005	0.82	0.82	—	19.4	19.4	< 0.005	< 0.005	0.02	20.4

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.22	0.23	3.88	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	813	813	0.03	0.03	2.75	825
Vendor	0.02	0.01	0.34	0.17	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	312	312	0.01	0.04	0.84	326
Hauling	0.98	0.22	16.4	6.44	0.09	0.18	3.71	3.88	0.18	1.02	1.19	—	13,604	13,604	0.75	2.17	30.5	14,301
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.22	0.26	3.31	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	771	771	0.04	0.03	0.07	780
Vendor	0.02	0.01	0.36	0.17	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	312	312	0.01	0.04	0.02	326
Hauling	0.97	0.20	17.0	6.51	0.09	0.18	3.71	3.88	0.18	1.02	1.19	—	13,610	13,610	0.75	2.17	0.79	14,277
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.06	0.68	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	153	153	0.01	0.01	0.23	155
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	61.0	61.0	< 0.005	0.01	0.07	63.8
Hauling	0.19	0.04	3.37	1.27	0.02	0.03	0.72	0.76	0.03	0.20	0.23	—	2,663	2,663	0.15	0.43	2.57	2,796
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.12	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	25.3	25.3	< 0.005	< 0.005	0.04	25.7
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.1	10.1	< 0.005	< 0.005	0.01	10.6
Hauling	0.03	0.01	0.61	0.23	< 0.005	0.01	0.13	0.14	0.01	0.04	0.04	—	441	441	0.02	0.07	0.42	463

3.4. Site Preparation (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	3.74	3.14	29.2	28.8	0.05	1.24	—	1.24	1.14	—	1.14	—	5,298	5,298	0.21	0.04	—	5,316
Dust From Material Movement	—	—	—	—	—	—	7.68	7.68	—	3.94	3.94	—	—	—	—	—	—	—
Onsite truck	0.08	0.03	1.10	0.60	< 0.005	0.01	21.1	21.1	0.01	2.12	2.13	—	598	598	0.05	0.10	1.22	629
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.74	3.14	29.2	28.8	0.05	1.24	—	1.24	1.14	—	1.14	—	5,298	5,298	0.21	0.04	—	5,316
Dust From Material Movement	—	—	—	—	—	—	7.68	7.68	—	3.94	3.94	—	—	—	—	—	—	—
Onsite truck	0.08	0.03	1.15	0.61	< 0.005	0.01	21.1	21.1	0.01	2.12	2.13	—	599	599	0.05	0.10	0.03	629
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	0.62	5.71	5.64	0.01	0.24	—	0.24	0.22	—	0.22	—	1,037	1,037	0.04	0.01	—	1,040
Dust From Material Movement	—	—	—	—	—	—	1.50	1.50	—	0.77	0.77	—	—	—	—	—	—	—
Onsite truck	0.02	0.01	0.22	0.12	< 0.005	< 0.005	4.06	4.06	< 0.005	0.41	0.41	—	117	117	0.01	0.02	0.10	123
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	1.04	1.03	< 0.005	0.04	—	0.04	0.04	—	0.04	—	172	172	0.01	< 0.005	—	172

Dust From Material Movement	—	—	—	—	—	—	0.27	0.27	—	0.14	0.14	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.74	0.74	< 0.005	0.07	0.07	—	19.4	19.4	< 0.005	< 0.005	0.02	20.4
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.22	0.23	3.88	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	813	813	0.03	0.03	2.75	825
Vendor	0.02	0.01	0.34	0.17	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	312	312	0.01	0.04	0.84	326
Hauling	0.98	0.22	16.4	6.44	0.09	0.18	3.71	3.88	0.18	1.02	1.19	—	13,604	13,604	0.75	2.17	30.5	14,301
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.22	0.26	3.31	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	771	771	0.04	0.03	0.07	780
Vendor	0.02	0.01	0.36	0.17	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	312	312	0.01	0.04	0.02	326
Hauling	0.97	0.20	17.0	6.51	0.09	0.18	3.71	3.88	0.18	1.02	1.19	—	13,610	13,610	0.75	2.17	0.79	14,277
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.06	0.68	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	153	153	0.01	0.01	0.23	155
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	61.0	61.0	< 0.005	0.01	0.07	63.8
Hauling	0.19	0.04	3.37	1.27	0.02	0.03	0.72	0.76	0.03	0.20	0.23	—	2,663	2,663	0.15	0.43	2.57	2,796
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.12	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	25.3	25.3	< 0.005	< 0.005	0.04	25.7
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.1	10.1	< 0.005	< 0.005	0.01	10.6
Hauling	0.03	0.01	0.61	0.23	< 0.005	0.01	0.13	0.14	0.01	0.04	0.04	—	441	441	0.02	0.07	0.42	463

3.5. 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	3.62	3.04	27.2	27.6	0.06	1.12	—	1.12	1.03	—	1.03	—	6,599	6,599	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	9.39	9.39	—	3.68	3.68	—	—	—	—	—	—	—
Onsite truck	0.08	0.03	1.10	0.60	< 0.005	0.01	236	236	0.01	23.5	23.5	—	598	598	0.05	0.10	1.22	629
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.19	1.00	8.95	9.06	0.02	0.37	—	0.37	0.34	—	0.34	—	2,169	2,169	0.09	0.02	—	2,177
Dust From Material Movement	—	—	—	—	—	—	3.09	3.09	—	1.21	1.21	—	—	—	—	—	—	—
Onsite truck	0.03	0.01	0.38	0.20	< 0.005	< 0.005	75.9	75.9	< 0.005	7.58	7.58	—	197	197	0.02	0.03	0.17	207
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.18	1.63	1.65	< 0.005	0.07	—	0.07	0.06	—	0.06	—	359	359	0.01	< 0.005	—	360

Dust From Material Movement	—	—	—	—	—	—	0.56	0.56	—	0.22	0.22	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.07	0.04	< 0.005	< 0.005	13.9	13.9	< 0.005	1.38	1.38	—	32.6	32.6	< 0.005	0.01	0.03	34.2
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.22	0.23	3.88	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	813	813	0.03	0.03	2.75	825
Vendor	0.02	0.01	0.34	0.17	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	312	312	0.01	0.04	0.84	326
Hauling	0.69	0.15	11.5	4.51	0.06	0.12	2.60	2.72	0.12	0.71	0.83	—	9,523	9,523	0.53	1.52	21.4	10,011
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.09	1.14	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	257	257	0.01	0.01	0.39	261
Vendor	0.01	< 0.005	0.12	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	103	103	< 0.005	0.01	0.12	107
Hauling	0.22	0.05	3.96	1.49	0.02	0.04	0.85	0.89	0.04	0.23	0.27	—	3,131	3,131	0.17	0.50	3.02	3,288
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.02	0.21	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	42.6	42.6	< 0.005	< 0.005	0.06	43.1
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	17.0	17.0	< 0.005	< 0.005	0.02	17.7
Hauling	0.04	0.01	0.72	0.27	< 0.005	0.01	0.16	0.16	0.01	0.04	0.05	—	518	518	0.03	0.08	0.50	544

3.6. 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	3.62	3.04	27.2	27.6	0.06	1.12	—	1.12	1.03	—	1.03	—	6,599	6,599	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	3.66	3.66	—	1.44	1.44	—	—	—	—	—	—	—
Onsite truck	0.08	0.03	1.10	0.60	< 0.005	0.01	21.1	21.1	0.01	2.12	2.13	—	598	598	0.05	0.10	1.22	629
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.19	1.00	8.95	9.06	0.02	0.37	—	0.37	0.34	—	0.34	—	2,169	2,169	0.09	0.02	—	2,177
Dust From Material Movement	—	—	—	—	—	—	1.20	1.20	—	0.47	0.47	—	—	—	—	—	—	—
Onsite truck	0.03	0.01	0.38	0.20	< 0.005	< 0.005	6.81	6.82	< 0.005	0.68	0.69	—	197	197	0.02	0.03	0.17	207
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.18	1.63	1.65	< 0.005	0.07	—	0.07	0.06	—	0.06	—	359	359	0.01	< 0.005	—	360
Dust From Material Movement	—	—	—	—	—	—	0.22	0.22	—	0.09	0.09	—	—	—	—	—	—	—

Onsite truck	< 0.005	< 0.005	0.07	0.04	< 0.005	< 0.005	1.24	1.24	< 0.005	0.12	0.13	—	32.6	32.6	< 0.005	0.01	0.03	34.2
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.22	0.23	3.88	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	813	813	0.03	0.03	2.75	825
Vendor	0.02	0.01	0.34	0.17	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	312	312	0.01	0.04	0.84	326
Hauling	0.69	0.15	11.5	4.51	0.06	0.12	2.60	2.72	0.12	0.71	0.83	—	9,523	9,523	0.53	1.52	21.4	10,011
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.09	1.14	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	257	257	0.01	0.01	0.39	261
Vendor	0.01	< 0.005	0.12	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	103	103	< 0.005	0.01	0.12	107
Hauling	0.22	0.05	3.96	1.49	0.02	0.04	0.85	0.89	0.04	0.23	0.27	—	3,131	3,131	0.17	0.50	3.02	3,288
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.02	0.21	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	42.6	42.6	< 0.005	< 0.005	0.06	43.1
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	17.0	17.0	< 0.005	< 0.005	0.02	17.7
Hauling	0.04	0.01	0.72	0.27	< 0.005	0.01	0.16	0.16	0.01	0.04	0.05	—	518	518	0.03	0.08	0.50	544

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-Roa Equipment	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.02	0.01	0.29	0.15	< 0.005	< 0.005	58.9	58.9	< 0.005	5.88	5.88	—	150	150	0.01	0.02	0.01	157
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.23	0.19	1.77	2.33	< 0.005	0.07	—	0.07	0.06	—	0.06	—	432	432	0.02	< 0.005	—	433
Onsite truck	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	10.4	10.4	< 0.005	1.04	1.04	—	26.9	26.9	< 0.005	< 0.005	0.02	28.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.04	0.04	0.32	0.43	< 0.005	0.01	—	0.01	0.01	—	0.01	—	71.5	71.5	< 0.005	< 0.005	—	71.7
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	1.90	1.90	< 0.005	0.19	0.19	—	4.46	4.46	< 0.005	< 0.005	< 0.005	4.68
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.50	0.44	0.52	6.61	0.00	0.00	1.57	1.57	0.00	0.37	0.37	—	1,541	1,541	0.07	0.06	0.14	1,560
Vendor	0.01	< 0.005	0.14	0.07	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	125	125	0.01	0.02	0.01	130
Hauling	0.10	0.02	1.70	0.65	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,361	1,361	0.08	0.22	0.08	1,428
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.10	1.25	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	282	282	0.01	0.01	0.43	285
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	22.5	22.5	< 0.005	< 0.005	0.03	23.5
Hauling	0.02	< 0.005	0.31	0.12	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	245	245	0.01	0.04	0.24	257

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.02	0.23	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	46.6	46.6	< 0.005	< 0.005	0.07	47.2
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.72	3.72	< 0.005	< 0.005	< 0.005	3.88
Hauling	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	40.6	40.6	< 0.005	0.01	0.04	42.6

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	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.02	0.01	0.29	0.15	< 0.005	< 0.005	5.29	5.29	< 0.005	0.53	0.53	—	150	150	0.01	0.02	0.01	157
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.19	1.77	2.33	< 0.005	0.07	—	0.07	0.06	—	0.06	—	432	432	0.02	< 0.005	—	433
Onsite truck	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	0.93	0.93	< 0.005	0.09	0.09	—	26.9	26.9	< 0.005	< 0.005	0.02	28.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.32	0.43	< 0.005	0.01	—	0.01	0.01	—	0.01	—	71.5	71.5	< 0.005	< 0.005	—	71.7

Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.17	0.17	< 0.005	0.02	0.02	—	4.46	4.46	< 0.005	< 0.005	< 0.005	4.68
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.50	0.44	0.52	6.61	0.00	0.00	1.57	1.57	0.00	0.37	0.37	—	1,541	1,541	0.07	0.06	0.14	1,560
Vendor	0.01	< 0.005	0.14	0.07	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	125	125	0.01	0.02	0.01	130
Hauling	0.10	0.02	1.70	0.65	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,361	1,361	0.08	0.22	0.08	1,428
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.10	1.25	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	282	282	0.01	0.01	0.43	285
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	22.5	22.5	< 0.005	< 0.005	0.03	23.5
Hauling	0.02	< 0.005	0.31	0.12	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	245	245	0.01	0.04	0.24	257
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.02	0.23	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	46.6	46.6	< 0.005	< 0.005	0.07	47.2
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.72	3.72	< 0.005	< 0.005	< 0.005	3.88
Hauling	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	40.6	40.6	< 0.005	0.01	0.04	42.6

3.9. 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 Equipment	1.23	1.03	9.39	12.9	0.02	0.34	—	0.34	0.31	—	0.31	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.02	0.01	0.27	0.15	< 0.005	< 0.005	58.9	58.9	< 0.005	5.88	5.88	—	147	147	0.01	0.02	0.28	154
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23	1.03	9.39	12.9	0.02	0.34	—	0.34	0.31	—	0.31	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.02	0.01	0.28	0.15	< 0.005	< 0.005	58.9	58.9	< 0.005	5.88	5.88	—	147	147	0.01	0.02	0.01	154
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	0.38	3.45	4.76	0.01	0.12	—	0.12	0.11	—	0.11	—	882	882	0.04	0.01	—	885
Onsite truck	0.01	< 0.005	0.10	0.05	< 0.005	< 0.005	21.2	21.2	< 0.005	2.12	2.12	—	54.0	54.0	< 0.005	0.01	0.05	56.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.63	0.87	< 0.005	0.02	—	0.02	0.02	—	0.02	—	146	146	0.01	< 0.005	—	147
Onsite truck	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	3.88	3.88	< 0.005	0.39	0.39	—	8.93	8.93	< 0.005	< 0.005	0.01	9.39
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.48	0.43	0.41	7.21	0.00	0.00	1.57	1.57	0.00	0.37	0.37	—	1,595	1,595	0.07	0.06	4.97	1,618
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	122	122	0.01	0.02	0.32	128

Hauling	0.10	0.02	1.58	0.63	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,333	1,333	0.07	0.22	2.84	1,403
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.48	0.42	0.52	6.11	0.00	0.00	1.57	1.57	0.00	0.37	0.37	—	1,512	1,512	0.02	0.06	0.13	1,529
Vendor	0.01	< 0.005	0.14	0.06	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	122	122	0.01	0.02	0.01	128
Hauling	0.10	0.02	1.65	0.63	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,334	1,334	0.07	0.22	0.07	1,401
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.15	0.19	2.36	0.00	0.00	0.57	0.57	0.00	0.13	0.13	—	564	564	0.01	0.02	0.79	572
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	45.0	45.0	< 0.005	0.01	0.05	47.0
Hauling	0.04	0.01	0.61	0.23	< 0.005	0.01	0.14	0.14	0.01	0.04	0.04	—	491	491	0.02	0.08	0.45	516
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.43	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	93.4	93.4	< 0.005	< 0.005	0.13	94.6
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.45	7.45	< 0.005	< 0.005	0.01	7.77
Hauling	0.01	< 0.005	0.11	0.04	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	—	81.2	81.2	< 0.005	0.01	0.07	85.3

3.10. 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	1.23	1.03	9.39	12.9	0.02	0.34	—	0.34	0.31	—	0.31	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.02	0.01	0.27	0.15	< 0.005	< 0.005	5.29	5.29	< 0.005	0.53	0.53	—	147	147	0.01	0.02	0.28	154

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23	1.03	9.39	12.9	0.02	0.34	—	0.34	0.31	—	0.31	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.02	0.01	0.28	0.15	< 0.005	< 0.005	5.29	5.29	< 0.005	0.53	0.53	—	147	147	0.01	0.02	0.01	154
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	0.38	3.45	4.76	0.01	0.12	—	0.12	0.11	—	0.11	—	882	882	0.04	0.01	—	885
Onsite truck	0.01	< 0.005	0.10	0.05	< 0.005	< 0.005	1.91	1.91	< 0.005	0.19	0.19	—	54.0	54.0	< 0.005	0.01	0.05	56.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.63	0.87	< 0.005	0.02	—	0.02	0.02	—	0.02	—	146	146	0.01	< 0.005	—	147
Onsite truck	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.35	0.35	< 0.005	0.03	0.03	—	8.93	8.93	< 0.005	< 0.005	0.01	9.39
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.48	0.43	0.41	7.21	0.00	0.00	1.57	1.57	0.00	0.37	0.37	—	1,595	1,595	0.07	0.06	4.97	1,618
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	122	122	0.01	0.02	0.32	128
Hauling	0.10	0.02	1.58	0.63	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,333	1,333	0.07	0.22	2.84	1,403
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.48	0.42	0.52	6.11	0.00	0.00	1.57	1.57	0.00	0.37	0.37	—	1,512	1,512	0.02	0.06	0.13	1,529

Vendor	0.01	< 0.005	0.14	0.06	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	122	122	0.01	0.02	0.01	128
Hauling	0.10	0.02	1.65	0.63	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,334	1,334	0.07	0.22	0.07	1,401
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.15	0.19	2.36	0.00	0.00	0.57	0.57	0.00	0.13	0.13	—	564	564	0.01	0.02	0.79	572
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	45.0	45.0	< 0.005	0.01	0.05	47.0
Hauling	0.04	0.01	0.61	0.23	< 0.005	0.01	0.14	0.14	0.01	0.04	0.04	—	491	491	0.02	0.08	0.45	516
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.43	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	93.4	93.4	< 0.005	< 0.005	0.13	94.6
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.45	7.45	< 0.005	< 0.005	0.01	7.77
Hauling	0.01	< 0.005	0.11	0.04	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	—	81.2	81.2	< 0.005	0.01	0.07	85.3

3.11. Substation-Electrical (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 Equipment	1.29	1.08	9.97	14.1	0.03	0.35	—	0.35	0.32	—	0.32	—	2,589	2,589	0.11	0.02	—	2,598
Onsite truck	0.02	0.01	0.27	0.15	< 0.005	< 0.005	58.9	58.9	< 0.005	5.88	5.88	—	147	147	0.01	0.02	0.28	154
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.07	0.06	0.55	0.77	< 0.005	0.02	—	0.02	0.02	—	0.02	—	142	142	0.01	< 0.005	—	142
Onsite truck	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	3.16	3.16	< 0.005	0.32	0.32	—	8.04	8.04	< 0.005	< 0.005	0.01	8.45
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.10	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	23.5	23.5	< 0.005	< 0.005	—	23.6
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.58	0.58	< 0.005	0.06	0.06	—	1.33	1.33	< 0.005	< 0.005	< 0.005	1.40
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.10	1.80	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	399	399	0.02	0.01	1.24	405
Vendor	0.02	0.01	0.33	0.16	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	306	306	0.01	0.04	0.80	319
Hauling	0.10	0.02	1.58	0.63	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,333	1,333	0.07	0.22	2.84	1,403
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	—	21.0	21.0	< 0.005	< 0.005	0.03	21.3
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	16.8	16.8	< 0.005	< 0.005	0.02	17.5
Hauling	0.01	< 0.005	0.09	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	73.1	73.1	< 0.005	0.01	0.07	76.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.48	3.48	< 0.005	< 0.005	< 0.005	3.52
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.77	2.77	< 0.005	< 0.005	< 0.005	2.89
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.1	12.1	< 0.005	< 0.005	0.01	12.7

3.12. Substation-Electrical (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	1.29	1.08	9.97	14.1	0.03	0.35	—	0.35	0.32	—	0.32	—	2,589	2,589	0.11	0.02	—	2,598
Onsite truck	0.02	0.01	0.27	0.15	< 0.005	< 0.005	5.29	5.29	< 0.005	0.53	0.53	—	147	147	0.01	0.02	0.28	154
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.55	0.77	< 0.005	0.02	—	0.02	0.02	—	0.02	—	142	142	0.01	< 0.005	—	142
Onsite truck	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.28	0.28	< 0.005	0.03	0.03	—	8.04	8.04	< 0.005	< 0.005	0.01	8.45
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.10	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	23.5	23.5	< 0.005	< 0.005	—	23.6
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	1.33	1.33	< 0.005	< 0.005	< 0.005	1.40
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.12	0.11	0.10	1.80	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	399	399	0.02	0.01	1.24	405
Vendor	0.02	0.01	0.33	0.16	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	306	306	0.01	0.04	0.80	319
Hauling	0.10	0.02	1.58	0.63	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,333	1,333	0.07	0.22	2.84	1,403
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	—	21.0	21.0	< 0.005	< 0.005	0.03	21.3
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	16.8	16.8	< 0.005	< 0.005	0.02	17.5
Hauling	0.01	< 0.005	0.09	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	73.1	73.1	< 0.005	0.01	0.07	76.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.48	3.48	< 0.005	< 0.005	< 0.005	3.52
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.77	2.77	< 0.005	< 0.005	< 0.005	2.89
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.1	12.1	< 0.005	< 0.005	0.01	12.7

3.13. 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	0.91	0.76	7.12	9.94	0.01	0.32	—	0.32	0.29	—	0.29	—	1,511	1,511	0.06	0.01	—	1,516
Paving	3.27	3.27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.02	0.01	0.29	0.15	< 0.005	< 0.005	58.9	58.9	< 0.005	5.88	5.88	—	150	150	0.01	0.02	0.01	157
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.09	0.82	1.15	< 0.005	0.04	—	0.04	0.03	—	0.03	—	174	174	0.01	< 0.005	—	175
Paving	0.38	0.38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	6.66	6.66	< 0.005	0.67	0.67	—	17.3	17.3	< 0.005	< 0.005	0.02	18.1
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.15	0.21	< 0.005	0.01	—	0.01	0.01	—	0.01	—	28.9	28.9	< 0.005	< 0.005	—	29.0
Paving	0.07	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	1.22	1.22	< 0.005	0.12	0.12	—	2.86	2.86	< 0.005	< 0.005	< 0.005	3.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.22	0.26	3.31	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	771	771	0.04	0.03	0.07	780
Vendor	0.02	0.01	0.36	0.17	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	312	312	0.01	0.04	0.02	326
Hauling	0.10	0.02	1.70	0.65	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,361	1,361	0.08	0.22	0.08	1,428
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.40	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	90.3	90.3	< 0.005	< 0.005	0.14	91.5
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	36.0	36.0	< 0.005	0.01	0.04	37.6
Hauling	0.01	< 0.005	0.20	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	157	157	0.01	0.03	0.15	165

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	14.9	14.9	< 0.005	< 0.005	0.02	15.2
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.96	5.96	< 0.005	< 0.005	0.01	6.23
Hauling	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	26.0	26.0	< 0.005	< 0.005	0.03	27.3

3.14. 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	0.91	0.76	7.12	9.94	0.01	0.32	—	0.32	0.29	—	0.29	—	1,511	1,511	0.06	0.01	—	1,516
Paving	3.27	3.27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.02	0.01	0.29	0.15	< 0.005	< 0.005	5.29	5.29	< 0.005	0.53	0.53	—	150	150	0.01	0.02	0.01	157
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.09	0.82	1.15	< 0.005	0.04	—	0.04	0.03	—	0.03	—	174	174	0.01	< 0.005	—	175
Paving	0.38	0.38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	0.60	0.60	< 0.005	0.06	0.06	—	17.3	17.3	< 0.005	< 0.005	0.02	18.1
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.02	0.02	0.15	0.21	< 0.005	0.01	—	0.01	0.01	—	0.01	—	28.9	28.9	< 0.005	< 0.005	—	29.0
Paving	0.07	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.11	0.11	< 0.005	0.01	0.01	—	2.86	2.86	< 0.005	< 0.005	< 0.005	3.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.22	0.26	3.31	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	771	771	0.04	0.03	0.07	780
Vendor	0.02	0.01	0.36	0.17	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	312	312	0.01	0.04	0.02	326
Hauling	0.10	0.02	1.70	0.65	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,361	1,361	0.08	0.22	0.08	1,428
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.40	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	90.3	90.3	< 0.005	< 0.005	0.14	91.5
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	36.0	36.0	< 0.005	0.01	0.04	37.6
Hauling	0.01	< 0.005	0.20	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	157	157	0.01	0.03	0.15	165
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	14.9	14.9	< 0.005	< 0.005	0.02	15.2
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.96	5.96	< 0.005	< 0.005	0.01	6.23
Hauling	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	26.0	26.0	< 0.005	< 0.005	0.03	27.3

3.15. 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	0.88	0.74	6.94	9.95	0.01	0.30	—	0.30	0.27	—	0.27	—	1,511	1,511	0.06	0.01	—	1,516
Paving	3.27	3.27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.02	0.01	0.28	0.15	< 0.005	< 0.005	58.9	58.9	< 0.005	5.88	5.88	—	147	147	0.01	0.02	0.01	154
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.34	0.49	< 0.005	0.01	—	0.01	0.01	—	0.01	—	73.9	73.9	< 0.005	< 0.005	—	74.2
Paving	0.16	0.16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	2.82	2.82	< 0.005	0.28	0.28	—	7.18	7.18	< 0.005	< 0.005	0.01	7.54
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.2	12.2	< 0.005	< 0.005	—	12.3
Paving	0.03	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.52	0.52	< 0.005	0.05	0.05	—	1.19	1.19	< 0.005	< 0.005	< 0.005	1.25
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.21	0.26	3.05	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	756	756	0.01	0.03	0.06	765
Vendor	0.02	0.01	0.34	0.16	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	306	306	0.01	0.04	0.02	319
Hauling	0.10	0.02	1.65	0.63	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,334	1,334	0.07	0.22	0.07	1,401
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.16	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	37.5	37.5	< 0.005	< 0.005	0.05	38.0
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	15.0	15.0	< 0.005	< 0.005	0.02	15.6
Hauling	< 0.005	< 0.005	0.08	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	65.2	65.2	< 0.005	0.01	0.06	68.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.21	6.21	< 0.005	< 0.005	0.01	6.29
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.48	2.48	< 0.005	< 0.005	< 0.005	2.58
Hauling	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.8	10.8	< 0.005	< 0.005	0.01	11.3

3.16. 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	0.88	0.74	6.94	9.95	0.01	0.30	—	0.30	0.27	—	0.27	—	1,511	1,511	0.06	0.01	—	1,516
Paving	3.27	3.27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.02	0.01	0.28	0.15	< 0.005	< 0.005	5.29	5.29	< 0.005	0.53	0.53	—	147	147	0.01	0.02	0.01	154
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.34	0.49	< 0.005	0.01	—	0.01	0.01	—	0.01	—	73.9	73.9	< 0.005	< 0.005	—	74.2
Paving	0.16	0.16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.25	0.25	< 0.005	0.03	0.03	—	7.18	7.18	< 0.005	< 0.005	0.01	7.54
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.2	12.2	< 0.005	< 0.005	—	12.3
Paving	0.03	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.05	0.05	< 0.005	< 0.005	< 0.005	—	1.19	1.19	< 0.005	< 0.005	< 0.005	1.25
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.21	0.26	3.05	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	756	756	0.01	0.03	0.06	765
Vendor	0.02	0.01	0.34	0.16	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	306	306	0.01	0.04	0.02	319
Hauling	0.10	0.02	1.65	0.63	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,334	1,334	0.07	0.22	0.07	1,401
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.16	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	37.5	37.5	< 0.005	< 0.005	0.05	38.0
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	15.0	15.0	< 0.005	< 0.005	0.02	15.6
Hauling	< 0.005	< 0.005	0.08	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	65.2	65.2	< 0.005	0.01	0.06	68.6

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.21	6.21	< 0.005	< 0.005	0.01	6.29
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.48	2.48	< 0.005	< 0.005	< 0.005	2.58
Hauling	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.8	10.8	< 0.005	< 0.005	0.01	11.3

3.17. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	0.34	2.49	3.38	0.01	0.06	—	0.06	0.05	—	0.05	—	401	401	0.02	< 0.005	—	402
Architectural Coatings	15.1	15.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.02	0.01	0.27	0.15	< 0.005	< 0.005	58.9	58.9	< 0.005	5.88	5.88	—	147	147	0.01	0.02	0.28	154
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.41	0.55	< 0.005	0.01	—	0.01	0.01	—	0.01	—	65.8	65.8	< 0.005	< 0.005	—	66.1
Architectural Coatings	2.49	2.49	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	9.49	9.49	< 0.005	0.95	0.95	—	24.1	24.1	< 0.005	< 0.005	0.02	25.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.9	10.9	< 0.005	< 0.005	—	10.9
Architectural Coatings	0.45	0.45	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	1.73	1.73	< 0.005	0.17	0.17	—	3.99	3.99	< 0.005	< 0.005	< 0.005	4.20
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.10	1.80	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	399	399	0.02	0.01	1.24	405
Vendor	0.02	0.01	0.33	0.16	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	306	306	0.01	0.04	0.80	319
Hauling	0.10	0.02	1.58	0.63	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,333	1,333	0.07	0.22	2.84	1,403
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.26	0.00	0.00	0.06	0.06	0.00	0.02	0.02	—	63.0	63.0	< 0.005	< 0.005	0.09	63.9
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	50.3	50.3	< 0.005	0.01	0.06	52.4
Hauling	0.02	< 0.005	0.27	0.10	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	219	219	0.01	0.04	0.20	230
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.4	10.4	< 0.005	< 0.005	0.01	10.6
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.32	8.32	< 0.005	< 0.005	0.01	8.68
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	36.3	36.3	< 0.005	0.01	0.03	38.1

3.18. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	0.34	2.49	3.38	0.01	0.06	—	0.06	0.05	—	0.05	—	401	401	0.02	< 0.005	—	402
Architectural Coatings	15.1	15.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.02	0.01	0.27	0.15	< 0.005	< 0.005	5.29	5.29	< 0.005	0.53	0.53	—	147	147	0.01	0.02	0.28	154
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.41	0.55	< 0.005	0.01	—	0.01	0.01	—	0.01	—	65.8	65.8	< 0.005	< 0.005	—	66.1
Architectural Coatings	2.49	2.49	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.85	0.85	< 0.005	0.09	0.09	—	24.1	24.1	< 0.005	< 0.005	0.02	25.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	0.01	0.07	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.9	10.9	< 0.005	< 0.005	—	10.9
Architectural Coatings	0.45	0.45	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.16	0.16	< 0.005	0.02	0.02	—	3.99	3.99	< 0.005	< 0.005	< 0.005	4.20
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.10	1.80	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	399	399	0.02	0.01	1.24	405
Vendor	0.02	0.01	0.33	0.16	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	306	306	0.01	0.04	0.80	319
Hauling	0.10	0.02	1.58	0.63	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,333	1,333	0.07	0.22	2.84	1,403
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.26	0.00	0.00	0.06	0.06	0.00	0.02	0.02	—	63.0	63.0	< 0.005	< 0.005	0.09	63.9
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	50.3	50.3	< 0.005	0.01	0.06	52.4
Hauling	0.02	< 0.005	0.27	0.10	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	219	219	0.01	0.04	0.20	230
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.4	10.4	< 0.005	< 0.005	0.01	10.6
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.32	8.32	< 0.005	< 0.005	0.01	8.68
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	36.3	36.3	< 0.005	0.01	0.03	38.1

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
Site Preparation	Site Preparation	9/1/2025	4/10/2026	5.00	160	—
Grading	Grading	4/15/2026	9/29/2026	5.00	120	—
Building Construction	Building Construction	10/1/2026	7/7/2027	5.00	200	—
Substation-Electrical	Building Construction	7/8/2027	8/4/2027	5.00	20.0	—
Paving	Paving	11/3/2026	1/25/2027	5.00	60.0	—
Architectural Coating	Architectural Coating	4/8/2027	6/30/2027	5.00	60.0	—

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	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Substation-Electrical	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Substation-Electrical	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Substation-Electrical	Cranes	Diesel	Average	1.00	7.00	367	0.29
Substation-Electrical	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Substation-Electrical	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Substation-Electrical	Bore/Drill Rigs	Diesel	Average	1.00	4.00	83.0	0.50
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	3.00	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

Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Substation-Electrical	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Substation-Electrical	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Substation-Electrical	Cranes	Diesel	Average	1.00	7.00	367	0.29
Substation-Electrical	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Substation-Electrical	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Substation-Electrical	Bore/Drill Rigs	Diesel	Average	1.00	4.00	83.0	0.50
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	3.00	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
Site Preparation	—	—	—	—
Site Preparation	Worker	60.0	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	10.0	10.2	HHDT,MHDT
Site Preparation	Hauling	200	20.0	HHDT
Site Preparation	Onsite truck	40.0	4.00	HHDT
Grading	—	—	—	—
Grading	Worker	60.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	10.0	10.2	HHDT,MHDT
Grading	Hauling	140	20.0	HHDT
Grading	Onsite truck	40.0	4.00	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	120	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	4.00	10.2	HHDT,MHDT
Building Construction	Hauling	20.0	20.0	HHDT
Building Construction	Onsite truck	10.0	4.00	HHDT
Paving	—	—	—	—
Paving	Worker	60.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	10.0	10.2	HHDT,MHDT
Paving	Hauling	20.0	20.0	HHDT
Paving	Onsite truck	10.0	4.00	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	30.0	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	10.0	10.2	HHDT,MHDT
Architectural Coating	Hauling	20.0	20.0	HHDT
Architectural Coating	Onsite truck	10.0	4.00	HHDT
Substation-Electrical	—	—	—	—
Substation-Electrical	Worker	30.0	18.5	LDA,LDT1,LDT2

Substation-Electrical	Vendor	10.0	10.2	HHDT,MHDT
Substation-Electrical	Hauling	20.0	20.0	HHDT
Substation-Electrical	Onsite truck	10.0	4.00	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	60.0	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	10.0	10.2	HHDT,MHDT
Site Preparation	Hauling	200	20.0	HHDT
Site Preparation	Onsite truck	40.0	4.00	HHDT
Grading	—	—	—	—
Grading	Worker	60.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	10.0	10.2	HHDT,MHDT
Grading	Hauling	140	20.0	HHDT
Grading	Onsite truck	40.0	4.00	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	120	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	4.00	10.2	HHDT,MHDT
Building Construction	Hauling	20.0	20.0	HHDT
Building Construction	Onsite truck	10.0	4.00	HHDT
Paving	—	—	—	—
Paving	Worker	60.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	10.0	10.2	HHDT,MHDT
Paving	Hauling	20.0	20.0	HHDT
Paving	Onsite truck	10.0	4.00	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	30.0	18.5	LDA,LDT1,LDT2

Architectural Coating	Vendor	10.0	10.2	HHDT,MHDT
Architectural Coating	Hauling	20.0	20.0	HHDT
Architectural Coating	Onsite truck	10.0	4.00	HHDT
Substation-Electrical	—	—	—	—
Substation-Electrical	Worker	30.0	18.5	LDA,LDT1,LDT2
Substation-Electrical	Vendor	10.0	10.2	HHDT,MHDT
Substation-Electrical	Hauling	20.0	20.0	HHDT
Substation-Electrical	Onsite truck	10.0	4.00	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	0.00	0.00	196,020

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	60,000	—	240	0.00	—
Grading	—	270,000	468	0.00	—
Paving	0.00	0.00	0.00	0.00	75.0

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Parking Lot	75.0	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	690	0.05	0.01
2026	0.00	690	0.05	0.01
2027	0.00	690	0.05	0.01

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	5.85	annual days of extreme heat
Extreme Precipitation	4.35	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	16.8
AQ-PM	68.1
AQ-DPM	99.7
Drinking Water	42.4
Lead Risk Housing	—
Pesticides	0.00
Toxic Releases	93.8
Traffic	64.0
Effect Indicators	—
CleanUp Sites	99.7
Groundwater	99.9
Haz Waste Facilities/Generators	99.1
Impaired Water Bodies	97.5
Solid Waste	96.8
Sensitive Population	—
Asthma	93.1

Cardio-vascular	62.5
Low Birth Weights	—
Socioeconomic Factor Indicators	—
Education	34.4
Housing	—
Linguistic	—
Poverty	—
Unemployment	—

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	—
Employed	—
Median HI	—
Education	—
Bachelor's or higher	—
High school enrollment	—
Preschool enrollment	—
Transportation	—
Auto Access	—
Active commuting	—
Social	—
2-parent households	—
Voting	—
Neighborhood	—
Alcohol availability	—

Park access	—
Retail density	—
Supermarket access	—
Tree canopy	—
Housing	—
Homeownership	—
Housing habitability	—
Low-inc homeowner severe housing cost burden	—
Low-inc renter severe housing cost burden	—
Uncrowded housing	—
Health Outcomes	—
Insured adults	—
Arthritis	77.8
Asthma ER Admissions	13.7
High Blood Pressure	49.4
Cancer (excluding skin)	49.7
Asthma	98.6
Coronary Heart Disease	25.9
Chronic Obstructive Pulmonary Disease	62.6
Diagnosed Diabetes	47.0
Life Expectancy at Birth	0.0
Cognitively Disabled	99.8
Physically Disabled	99.8
Heart Attack ER Admissions	32.2
Mental Health Not Good	71.0
Chronic Kidney Disease	64.9
Obesity	35.5
Pedestrian Injuries	0.0

Physical Health Not Good	61.7
Stroke	58.2
Health Risk Behaviors	—
Binge Drinking	1.0
Current Smoker	35.6
No Leisure Time for Physical Activity	70.6
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	38.0
Children	99.4
Elderly	83.1
English Speaking	0.0
Foreign-born	0.0
Outdoor Workers	98.2
Climate Change Adaptive Capacity	—
Impervious Surface Cover	17.2
Traffic Density	0.0
Traffic Access	23.0
Other Indices	—
Hardship	0.0
Other Decision Support	—
2016 Voting	0.0

7.3. Overall Health & Equity Scores

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

Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	Wilmington Long Beach Carson

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	Approx. construction schedule. Substation added July 2024.
Construction: Trips and VMT	Trips include up to 100 round-trip trucks or 200 one-way trips daily for material export, and up to 60 workers or 120 one-way trips.
Construction: Architectural Coatings	80 acre site, 75 paved asphalt - 6% of area coated
Construction: Paving	75 acres paved asphalt
Operations: Water and Waste Water	4 operators daily
Operations: Fleet Mix	—
Operations: Architectural Coatings	6% of 75 acres for parking sqft coating
Land Use	75 acres paved.
Construction: Dust From Material Movement	Regrade 60,000 cy and export 270,000 cy of material.
Operations: Consumer Products	entire site is parking lot
Operations: Off-Road Equipment	14 30,000 lb ZE forklifts 14 10,000 lb ZE forklifts
Characteristics: Project Details	POLA Terminal Island MSF - Construction Only
Construction: Off-Road Equipment	Fleet forecast updated July 2024. Tracked dozers or excavators may be alternatives.

Terminal Is. MSF - Opening Year 2027 Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Terminal Is. MSF - Opening Year 2027
Operational Year	2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.50
Precipitation (days)	7.20
Location	33.74865331181583, -118.25653116526375
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4613
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas
App Version	2022.1.1.30

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 Asphalt Surfaces	80.0	Acre	75.0	0.00	0.00	0.00	—	—

General Light Industry	4.40	1000sqft	0.10	4,400	0.00	0.00	—	Welfare buildings
General Office Building	2.90	1000sqft	0.07	2,900	400	0.00	—	750 Eldridge existing
Enclosed Parking Structure	64.0	1000sqft	1.47	64,000	0.00	0.00	—	Roadability canopies

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-9	Use Dust Suppressants
Construction	C-10-A	Water Exposed Surfaces
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads

2. Emissions Summary

2.4. Operations 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.	3.92	3.79	10.6	111	0.21	0.40	1.90	2.30	0.40	0.48	0.88	7.33	23,976	23,983	1.76	0.26	7.49	24,113
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.37	3.27	10.6	108	0.21	0.40	1.90	2.30	0.39	0.48	0.88	7.33	23,877	23,884	1.77	0.26	1.32	24,009
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.16	3.04	7.78	80.6	0.15	0.29	1.81	2.10	0.29	0.46	0.75	7.33	18,019	18,026	1.53	0.21	3.77	18,132

Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.58	0.56	1.42	14.7	0.03	0.05	0.33	0.38	0.05	0.08	0.14	1.21	2,983	2,984	0.25	0.04	0.62	3,002

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.76	0.67	0.63	7.68	0.02	0.01	1.90	1.91	0.01	0.48	0.49	—	2,050	2,050	0.08	0.07	6.34	2,081
Area	1.25	1.20	0.03	3.10	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	12.8	12.8	< 0.005	< 0.005	—	12.8
Energy	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1,712	1,712	0.12	0.02	—	1,720
Water	—	—	—	—	—	—	—	—	—	—	—	2.94	19.8	22.7	0.30	0.01	—	32.5
Waste	—	—	—	—	—	—	—	—	—	—	—	4.39	0.00	4.39	0.44	0.00	—	15.4
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.15	1.15
Off-Road	1.91	1.91	9.94	101	0.19	0.38	—	0.38	0.38	—	0.38	—	20,181	20,181	0.82	0.16	—	20,250
Total	3.92	3.79	10.6	111	0.21	0.40	1.90	2.30	0.40	0.48	0.88	7.33	23,976	23,983	1.76	0.26	7.49	24,113
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.76	0.67	0.69	6.90	0.02	0.01	1.90	1.91	0.01	0.48	0.49	—	1,964	1,964	0.08	0.08	0.16	1,989
Area	0.69	0.69	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1,712	1,712	0.12	0.02	—	1,720
Water	—	—	—	—	—	—	—	—	—	—	—	2.94	19.8	22.7	0.30	0.01	—	32.5
Waste	—	—	—	—	—	—	—	—	—	—	—	4.39	0.00	4.39	0.44	0.00	—	15.4
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.15	1.15
Off-Road	1.91	1.91	9.94	101	0.19	0.38	—	0.38	0.38	—	0.38	—	20,181	20,181	0.82	0.16	—	20,250
Total	3.37	3.27	10.6	108	0.21	0.40	1.90	2.30	0.39	0.48	0.88	7.33	23,877	23,884	1.77	0.26	1.32	24,009

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.72	0.64	0.67	6.83	0.02	0.01	1.81	1.82	0.01	0.46	0.47	—	1,903	1,903	0.08	0.07	2.62	1,929
Area	1.07	1.04	0.02	2.12	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.73	8.73	< 0.005	< 0.005	—	8.77
Energy	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1,712	1,712	0.12	0.02	—	1,720
Water	—	—	—	—	—	—	—	—	—	—	—	2.94	19.8	22.7	0.30	0.01	—	32.5
Waste	—	—	—	—	—	—	—	—	—	—	—	4.39	0.00	4.39	0.44	0.00	—	15.4
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.15	1.15
Off-Road	1.36	1.36	7.08	71.7	0.13	0.27	—	0.27	0.27	—	0.27	—	14,375	14,375	0.58	0.12	—	14,425
Total	3.16	3.04	7.78	80.6	0.15	0.29	1.81	2.10	0.29	0.46	0.75	7.33	18,019	18,026	1.53	0.21	3.77	18,132
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.13	0.12	0.12	1.25	< 0.005	< 0.005	0.33	0.33	< 0.005	0.08	0.09	—	315	315	0.01	0.01	0.43	319
Area	0.20	0.19	< 0.005	0.39	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.45	1.45	< 0.005	< 0.005	—	1.45
Energy	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	283	283	0.02	< 0.005	—	285
Water	—	—	—	—	—	—	—	—	—	—	—	0.49	3.28	3.76	0.05	< 0.005	—	5.38
Waste	—	—	—	—	—	—	—	—	—	—	—	0.73	0.00	0.73	0.07	0.00	—	2.55
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19
Off-Road	0.25	0.25	1.29	13.1	0.02	0.05	—	0.05	0.05	—	0.05	—	2,380	2,380	0.10	0.02	—	2,388
Total	0.58	0.56	1.42	14.7	0.03	0.05	0.33	0.38	0.05	0.08	0.14	1.21	2,983	2,984	0.25	0.04	0.62	3,002

2.6. Operations Emissions by Sector, Mitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.76	0.67	0.63	7.68	0.02	0.01	1.90	1.91	0.01	0.48	0.49	—	2,050	2,050	0.08	0.07	6.34	2,081
Area	1.25	1.20	0.03	3.10	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	12.8	12.8	< 0.005	< 0.005	—	12.8

Energy	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1,712	1,712	0.12	0.02	—	1,720
Water	—	—	—	—	—	—	—	—	—	—	—	2.94	19.8	22.7	0.30	0.01	—	32.5
Waste	—	—	—	—	—	—	—	—	—	—	—	4.39	0.00	4.39	0.44	0.00	—	15.4
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.15	1.15
Off-Road	1.91	1.91	9.94	101	0.19	0.38	—	0.38	0.38	—	0.38	—	20,181	20,181	0.82	0.16	—	20,250
Total	3.92	3.79	10.6	111	0.21	0.40	1.90	2.30	0.40	0.48	0.88	7.33	23,976	23,983	1.76	0.26	7.49	24,113
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.76	0.67	0.69	6.90	0.02	0.01	1.90	1.91	0.01	0.48	0.49	—	1,964	1,964	0.08	0.08	0.16	1,989
Area	0.69	0.69	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1,712	1,712	0.12	0.02	—	1,720
Water	—	—	—	—	—	—	—	—	—	—	—	2.94	19.8	22.7	0.30	0.01	—	32.5
Waste	—	—	—	—	—	—	—	—	—	—	—	4.39	0.00	4.39	0.44	0.00	—	15.4
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.15	1.15
Off-Road	1.91	1.91	9.94	101	0.19	0.38	—	0.38	0.38	—	0.38	—	20,181	20,181	0.82	0.16	—	20,250
Total	3.37	3.27	10.6	108	0.21	0.40	1.90	2.30	0.39	0.48	0.88	7.33	23,877	23,884	1.77	0.26	1.32	24,009
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.72	0.64	0.67	6.83	0.02	0.01	1.81	1.82	0.01	0.46	0.47	—	1,903	1,903	0.08	0.07	2.62	1,929
Area	1.07	1.04	0.02	2.12	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.73	8.73	< 0.005	< 0.005	—	8.77
Energy	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1,712	1,712	0.12	0.02	—	1,720
Water	—	—	—	—	—	—	—	—	—	—	—	2.94	19.8	22.7	0.30	0.01	—	32.5
Waste	—	—	—	—	—	—	—	—	—	—	—	4.39	0.00	4.39	0.44	0.00	—	15.4
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.15	1.15
Off-Road	1.36	1.36	7.08	71.7	0.13	0.27	—	0.27	0.27	—	0.27	—	14,375	14,375	0.58	0.12	—	14,425
Total	3.16	3.04	7.78	80.6	0.15	0.29	1.81	2.10	0.29	0.46	0.75	7.33	18,019	18,026	1.53	0.21	3.77	18,132
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile	0.13	0.12	0.12	1.25	< 0.005	< 0.005	0.33	0.33	< 0.005	0.08	0.09	—	315	315	0.01	0.01	0.43	319
Area	0.20	0.19	< 0.005	0.39	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.45	1.45	< 0.005	< 0.005	—	1.45
Energy	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	283	283	0.02	< 0.005	—	285
Water	—	—	—	—	—	—	—	—	—	—	—	0.49	3.28	3.76	0.05	< 0.005	—	5.38
Waste	—	—	—	—	—	—	—	—	—	—	—	0.73	0.00	0.73	0.07	0.00	—	2.55
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19
Off-Road	0.25	0.25	1.29	13.1	0.02	0.05	—	0.05	0.05	—	0.05	—	2,380	2,380	0.10	0.02	—	2,388
Total	0.58	0.56	1.42	14.7	0.03	0.05	0.33	0.38	0.05	0.08	0.14	1.21	2,983	2,984	0.25	0.04	0.62	3,002

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
General Light Industry	0.64	0.57	0.52	6.36	0.02	0.01	1.57	1.58	0.01	0.40	0.41	—	1,691	1,691	0.07	0.06	5.22	1,716
General Office Building	0.12	0.11	0.11	1.33	< 0.005	< 0.005	0.33	0.34	< 0.005	0.08	0.09	—	360	360	0.01	0.01	1.11	365

Enclosed Parking Structure	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.76	0.67	0.63	7.68	0.02	0.01	1.90	1.91	0.01	0.48	0.49	—	2,050	2,050	0.08	0.07	6.34	2,081
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
General Light Industry	0.64	0.56	0.57	5.72	0.02	0.01	1.57	1.58	0.01	0.40	0.41	—	1,619	1,619	0.07	0.06	0.14	1,640
General Office Building	0.12	0.11	0.12	1.18	< 0.005	< 0.005	0.33	0.34	< 0.005	0.08	0.09	—	345	345	0.01	0.01	0.03	349
Enclosed Parking Structure	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.76	0.67	0.69	6.90	0.02	0.01	1.90	1.91	0.01	0.48	0.49	—	1,964	1,964	0.08	0.08	0.16	1,989
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
General Light Industry	0.12	0.10	0.11	1.08	< 0.005	< 0.005	0.28	0.29	< 0.005	0.07	0.07	—	271	271	0.01	0.01	0.37	275
General Office Building	0.02	0.01	0.02	0.17	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	43.7	43.7	< 0.005	< 0.005	0.06	44.3
Enclosed Parking Structure	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.13	0.12	0.12	1.25	< 0.005	< 0.005	0.33	0.33	< 0.005	0.08	0.09	—	315	315	0.01	0.01	0.43	319

4.1.2. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
General Light Industry	0.64	0.57	0.52	6.36	0.02	0.01	1.57	1.58	0.01	0.40	0.41	—	1,691	1,691	0.07	0.06	5.22	1,716
General Office Building	0.12	0.11	0.11	1.33	< 0.005	< 0.005	0.33	0.34	< 0.005	0.08	0.09	—	360	360	0.01	0.01	1.11	365
Enclosed Parking Structure	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.76	0.67	0.63	7.68	0.02	0.01	1.90	1.91	0.01	0.48	0.49	—	2,050	2,050	0.08	0.07	6.34	2,081
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
General Light Industry	0.64	0.56	0.57	5.72	0.02	0.01	1.57	1.58	0.01	0.40	0.41	—	1,619	1,619	0.07	0.06	0.14	1,640
General Office Building	0.12	0.11	0.12	1.18	< 0.005	< 0.005	0.33	0.34	< 0.005	0.08	0.09	—	345	345	0.01	0.01	0.03	349

Enclosed Parking Structure	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.76	0.67	0.69	6.90	0.02	0.01	1.90	1.91	0.01	0.48	0.49	—	1,964	1,964	0.08	0.08	0.16	1,989
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
General Light Industry	0.12	0.10	0.11	1.08	< 0.005	< 0.005	0.28	0.29	< 0.005	0.07	0.07	—	271	271	0.01	0.01	0.37	275
General Office Building	0.02	0.01	0.02	0.17	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	43.7	43.7	< 0.005	< 0.005	0.06	44.3
Enclosed Parking Structure	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.13	0.12	0.12	1.25	< 0.005	< 0.005	0.33	0.33	< 0.005	0.08	0.09	—	315	315	0.01	0.01	0.43	319

4.2. Energy

4.2.1. Electricity Emissions By Land Use - 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	1,182	1,182	0.08	0.01	—	1,188
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	87.4	87.4	0.01	< 0.005	—	87.8
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	—	424	424	0.03	< 0.005	—	426
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,693	1,693	0.12	0.02	—	1,701
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	1,182	1,182	0.08	0.01	—	1,188
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	87.4	87.4	0.01	< 0.005	—	87.8
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	—	424	424	0.03	< 0.005	—	426
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,693	1,693	0.12	0.02	—	1,701
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	196	196	0.01	< 0.005	—	197

General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	14.5	14.5	< 0.005	< 0.005	—	14.5
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	—	70.2	70.2	< 0.005	< 0.005	—	70.5
Total	—	—	—	—	—	—	—	—	—	—	—	—	280	280	0.02	< 0.005	—	282

4.2.2. Electricity Emissions By Land Use - 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	1,182	1,182	0.08	0.01	—	1,188
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	87.4	87.4	0.01	< 0.005	—	87.8
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	—	424	424	0.03	< 0.005	—	426
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,693	1,693	0.12	0.02	—	1,701
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	1,182	1,182	0.08	0.01	—	1,188
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	87.4	87.4	0.01	< 0.005	—	87.8
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	—	424	424	0.03	< 0.005	—	426
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,693	1,693	0.12	0.02	—	1,701
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	196	196	0.01	< 0.005	—	197
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	14.5	14.5	< 0.005	< 0.005	—	14.5
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	—	70.2	70.2	< 0.005	< 0.005	—	70.5
Total	—	—	—	—	—	—	—	—	—	—	—	—	280	280	0.02	< 0.005	—	282

4.2.3. Natural Gas Emissions By Land Use - 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	18.7	18.7	< 0.005	< 0.005	—	18.7
Enclosed Parking Structure	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	18.7	18.7	< 0.005	< 0.005	—	18.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	18.7	18.7	< 0.005	< 0.005	—	18.7
Enclosed Parking Structure	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	18.7	18.7	< 0.005	< 0.005	—	18.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

General Light Industry	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.09	3.09	< 0.005	< 0.005	—	3.10
Enclosed Parking Structure	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.09	3.09	< 0.005	< 0.005	—	3.10

4.2.4. Natural Gas Emissions By Land Use - 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	18.7	18.7	< 0.005	< 0.005	—	18.7
Enclosed Parking Structure	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	18.7	18.7	< 0.005	< 0.005	—	18.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	18.7	18.7	< 0.005	< 0.005	—	18.7
Enclosed Parking Structure	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	18.7	18.7	< 0.005	< 0.005	—	18.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.09	3.09	< 0.005	< 0.005	—	3.10
Enclosed Parking Structure	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.09	3.09	< 0.005	< 0.005	—	3.10

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.42	0.42	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.28	0.28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.55	0.51	0.03	3.10	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	12.8	12.8	< 0.005	< 0.005	—	12.8
Total	1.25	1.20	0.03	3.10	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	12.8	12.8	< 0.005	< 0.005	—	12.8
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.42	0.42	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.28	0.28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.69	0.69	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.08	0.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.05	0.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landscape	0.07	0.06	< 0.005	0.39	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.45	1.45	< 0.005	< 0.005	—	1.45
Total	0.20	0.19	< 0.005	0.39	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.45	1.45	< 0.005	< 0.005	—	1.45

4.3.2. Mitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.42	0.42	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.28	0.28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.55	0.51	0.03	3.10	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	12.8	12.8	< 0.005	< 0.005	—	12.8
Total	1.25	1.20	0.03	3.10	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	12.8	12.8	< 0.005	< 0.005	—	12.8
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.42	0.42	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.28	0.28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.69	0.69	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Consum Products	0.08	0.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.05	0.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.07	0.06	< 0.005	0.39	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.45	1.45	< 0.005	< 0.005	—	1.45
Total	0.20	0.19	< 0.005	0.39	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.45	1.45	< 0.005	< 0.005	—	1.45

4.4. Water Emissions by Land Use

4.4.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	1.95	13.1	15.1	0.20	< 0.005	—	21.5
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.99	6.69	7.68	0.10	< 0.005	—	11.0
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	2.94	19.8	22.7	0.30	0.01	—	32.5

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	1.95	13.1	15.1	0.20	< 0.005	—	21.5
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.99	6.69	7.68	0.10	< 0.005	—	11.0
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	2.94	19.8	22.7	0.30	0.01	—	32.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	0.32	2.17	2.49	0.03	< 0.005	—	3.56
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.16	1.11	1.27	0.02	< 0.005	—	1.81
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.49	3.28	3.76	0.05	< 0.005	—	5.38

4.4.2. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	1.95	13.1	15.1	0.20	< 0.005	—	21.5
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.99	6.69	7.68	0.10	< 0.005	—	11.0
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	2.94	19.8	22.7	0.30	0.01	—	32.5
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	1.95	13.1	15.1	0.20	< 0.005	—	21.5
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.99	6.69	7.68	0.10	< 0.005	—	11.0
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	2.94	19.8	22.7	0.30	0.01	—	32.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	0.32	2.17	2.49	0.03	< 0.005	—	3.56
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.16	1.11	1.27	0.02	< 0.005	—	1.81
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.49	3.28	3.76	0.05	< 0.005	—	5.38

4.5. Waste Emissions by Land Use

4.5.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	2.94	0.00	2.94	0.29	0.00	—	10.3
General Office Building	—	—	—	—	—	—	—	—	—	—	—	1.45	0.00	1.45	0.15	0.00	—	5.09

Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	4.39	0.00	4.39	0.44	0.00	—	15.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	2.94	0.00	2.94	0.29	0.00	—	10.3
General Office Building	—	—	—	—	—	—	—	—	—	—	—	1.45	0.00	1.45	0.15	0.00	—	5.09
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	4.39	0.00	4.39	0.44	0.00	—	15.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	0.49	0.00	0.49	0.05	0.00	—	1.70
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.24	0.00	0.24	0.02	0.00	—	0.84
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.73	0.00	0.73	0.07	0.00	—	2.55

4.5.2. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	2.94	0.00	2.94	0.29	0.00	—	10.3
General Office Building	—	—	—	—	—	—	—	—	—	—	—	1.45	0.00	1.45	0.15	0.00	—	5.09
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	4.39	0.00	4.39	0.44	0.00	—	15.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	2.94	0.00	2.94	0.29	0.00	—	10.3
General Office Building	—	—	—	—	—	—	—	—	—	—	—	1.45	0.00	1.45	0.15	0.00	—	5.09

Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	4.39	0.00	4.39	0.44	0.00	—	15.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	0.49	0.00	0.49	0.05	0.00	—	1.70
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.24	0.00	0.24	0.02	0.00	—	0.84
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.73	0.00	0.73	0.07	0.00	—	2.55

4.6. Refrigerant Emissions by Land Use

4.6.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.15	1.15

General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.15	1.15
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.15	1.15
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.15	1.15
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19

4.6.2. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.15	1.15

General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.15	1.15
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.15	1.15
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.15	1.15
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cranes	1.31	1.31	6.83	68.3	0.13	0.26	—	0.26	0.26	—	0.26	—	13,861	13,861	0.56	0.11	—	13,909

Forklifts	0.54	0.54	2.82	28.2	0.05	0.11	—	0.11	0.11	—	0.11	—	5,739	5,739	0.23	0.05	—	5,759
Tractors/ Loaders/ Backhoes	0.05	0.05	0.29	4.06	0.01	0.01	—	0.01	0.01	—	0.01	—	581	581	0.02	< 0.005	—	583
Total	1.91	1.91	9.94	101	0.19	0.38	—	0.38	0.38	—	0.38	—	20,181	20,181	0.82	0.16	—	20,250
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cranes	1.31	1.31	6.83	68.3	0.13	0.26	—	0.26	0.26	—	0.26	—	13,861	13,861	0.56	0.11	—	13,909
Forklifts	0.54	0.54	2.82	28.2	0.05	0.11	—	0.11	0.11	—	0.11	—	5,739	5,739	0.23	0.05	—	5,759
Tractors/ Loaders/ Backhoes	0.05	0.05	0.29	4.06	0.01	0.01	—	0.01	0.01	—	0.01	—	581	581	0.02	< 0.005	—	583
Total	1.91	1.91	9.94	101	0.19	0.38	—	0.38	0.38	—	0.38	—	20,181	20,181	0.82	0.16	—	20,250
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cranes	0.17	0.17	0.89	8.88	0.02	0.03	—	0.03	0.03	—	0.03	—	1,635	1,635	0.07	0.01	—	1,640
Forklifts	0.07	0.07	0.37	3.67	0.01	0.01	—	0.01	0.01	—	0.01	—	677	677	0.03	0.01	—	679
Tractors/ Loaders/ Backhoes	0.01	0.01	0.04	0.53	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	68.5	68.5	< 0.005	< 0.005	—	68.7
Total	0.25	0.25	1.29	13.1	0.02	0.05	—	0.05	0.05	—	0.05	—	2,380	2,380	0.10	0.02	—	2,388

4.7.2. Mitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cranes	1.31	1.31	6.83	68.3	0.13	0.26	—	0.26	0.26	—	0.26	—	13,861	13,861	0.56	0.11	—	13,909

Forklifts	0.54	0.54	2.82	28.2	0.05	0.11	—	0.11	0.11	—	0.11	—	5,739	5,739	0.23	0.05	—	5,759
Tractors/ Loaders/ Backhoes	0.05	0.05	0.29	4.06	0.01	0.01	—	0.01	0.01	—	0.01	—	581	581	0.02	< 0.005	—	583
Total	1.91	1.91	9.94	101	0.19	0.38	—	0.38	0.38	—	0.38	—	20,181	20,181	0.82	0.16	—	20,250
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cranes	1.31	1.31	6.83	68.3	0.13	0.26	—	0.26	0.26	—	0.26	—	13,861	13,861	0.56	0.11	—	13,909
Forklifts	0.54	0.54	2.82	28.2	0.05	0.11	—	0.11	0.11	—	0.11	—	5,739	5,739	0.23	0.05	—	5,759
Tractors/ Loaders/ Backhoes	0.05	0.05	0.29	4.06	0.01	0.01	—	0.01	0.01	—	0.01	—	581	581	0.02	< 0.005	—	583
Total	1.91	1.91	9.94	101	0.19	0.38	—	0.38	0.38	—	0.38	—	20,181	20,181	0.82	0.16	—	20,250
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cranes	0.17	0.17	0.89	8.88	0.02	0.03	—	0.03	0.03	—	0.03	—	1,635	1,635	0.07	0.01	—	1,640
Forklifts	0.07	0.07	0.37	3.67	0.01	0.01	—	0.01	0.01	—	0.01	—	677	677	0.03	0.01	—	679
Tractors/ Loaders/ Backhoes	0.01	0.01	0.04	0.53	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	68.5	68.5	< 0.005	< 0.005	—	68.7
Total	0.25	0.25	1.29	13.1	0.02	0.05	—	0.05	0.05	—	0.05	—	2,380	2,380	0.10	0.02	—	2,388

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

Equipment Type	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

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

Equipment Type	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

Equipment	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

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

Equipment Type	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. 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

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
General Light Industry	160	160	160	58,458	2,208	2,208	2,208	805,816
General Office Building	28.2	6.41	2.03	7,804	471	107	33.9	130,189
Enclosed Parking Structure	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
General Light Industry	160	160	160	58,458	2,208	2,208	2,208	805,816
General Office Building	28.2	6.41	2.03	7,804	471	107	33.9	130,189

Enclosed Parking Structure	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

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)
0	0.00	13,830	3,970	199,860

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Other Asphalt Surfaces	0.00	690	0.0489	0.0069	0.00
General Light Industry	625,000	690	0.0489	0.0069	0.00
General Office Building	46,193	690	0.0489	0.0069	58,266
Enclosed Parking Structure	224,092	690	0.0489	0.0069	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Other Asphalt Surfaces	0.00	690	0.0489	0.0069	0.00
General Light Industry	625,000	690	0.0489	0.0069	0.00
General Office Building	46,193	690	0.0489	0.0069	58,266
Enclosed Parking Structure	224,092	690	0.0489	0.0069	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Other Asphalt Surfaces	0.00	0.00
General Light Industry	1,017,500	0.00
General Office Building	515,428	5,610
Enclosed Parking Structure	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Other Asphalt Surfaces	0.00	0.00
General Light Industry	1,017,500	0.00

General Office Building	515,428	5,610
Enclosed Parking Structure	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Other Asphalt Surfaces	0.00	—
General Light Industry	5.46	—
General Office Building	2.70	—
Enclosed Parking Structure	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Other Asphalt Surfaces	0.00	—
General Light Industry	5.46	—
General Office Building	2.70	—
Enclosed Parking Structure	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
General Light Industry	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.00	4.00	18.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00

General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
General Light Industry	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.00	4.00	18.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Cranes	Diesel	Tier 4 Final	14.0	8.00	367	0.29
Forklifts	Diesel	Tier 4 Final	14.0	8.00	220	0.20
Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Cranes	Diesel	Tier 4 Final	14.0	8.00	367	0.29
Forklifts	Diesel	Tier 4 Final	14.0	8.00	220	0.20
Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

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	5.85	annual days of extreme heat
Extreme Precipitation	4.35	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	16.8
AQ-PM	68.1
AQ-DPM	99.7
Drinking Water	42.4
Lead Risk Housing	—
Pesticides	0.00
Toxic Releases	93.8
Traffic	64.0
Effect Indicators	—
CleanUp Sites	99.7
Groundwater	99.9
Haz Waste Facilities/Generators	99.1
Impaired Water Bodies	97.5
Solid Waste	96.8
Sensitive Population	—
Asthma	93.1
Cardio-vascular	62.5
Low Birth Weights	—
Socioeconomic Factor Indicators	—

Education	34.4
Housing	—
Linguistic	—
Poverty	—
Unemployment	—

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	—
Employed	—
Median HI	—
Education	—
Bachelor's or higher	—
High school enrollment	—
Preschool enrollment	—
Transportation	—
Auto Access	—
Active commuting	—
Social	—
2-parent households	—
Voting	—
Neighborhood	—
Alcohol availability	—
Park access	—
Retail density	—
Supermarket access	—

Tree canopy	—
Housing	—
Homeownership	—
Housing habitability	—
Low-inc homeowner severe housing cost burden	—
Low-inc renter severe housing cost burden	—
Uncrowded housing	—
Health Outcomes	—
Insured adults	—
Arthritis	77.8
Asthma ER Admissions	13.7
High Blood Pressure	49.4
Cancer (excluding skin)	49.7
Asthma	98.6
Coronary Heart Disease	25.9
Chronic Obstructive Pulmonary Disease	62.6
Diagnosed Diabetes	47.0
Life Expectancy at Birth	0.0
Cognitively Disabled	99.8
Physically Disabled	99.8
Heart Attack ER Admissions	32.2
Mental Health Not Good	71.0
Chronic Kidney Disease	64.9
Obesity	35.5
Pedestrian Injuries	0.0
Physical Health Not Good	61.7
Stroke	58.2
Health Risk Behaviors	—

Binge Drinking	1.0
Current Smoker	35.6
No Leisure Time for Physical Activity	70.6
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	38.0
Children	99.4
Elderly	83.1
English Speaking	0.0
Foreign-born	0.0
Outdoor Workers	98.2
Climate Change Adaptive Capacity	—
Impervious Surface Cover	17.2
Traffic Density	0.0
Traffic Access	23.0
Other Indices	—
Hardship	0.0
Other Decision Support	—
2016 Voting	0.0

7.3. Overall Health & Equity Scores

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

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
Characteristics: Project Details	Operations run only - opening day (2027), includes employees as worker trips. Separate spreadsheet for HHDT.
Construction: Construction Phases	24 mo schedule
Construction: Dust From Material Movement	regrade for new underground utilities export approximately 270,000 CY over two phases
Construction: Trips and VMT	construction workforce up to 60 workers, Dec 2023 NOP-IS, construction hauling trips reflect defaults
Construction: On-Road Fugitive Dust	onsite travel is 50 percent paved, existing unbound crushed miscellaneous base, Dec 2023 NOP-IS
Operations: Vehicle Data	Opening Year - 160 daily worker trips for 80 employees at CalEEMod default trip length.
Operations: Energy Use	Electricity-only for MSF in light industry - estimated by CalEEMod default mix of light ind electricity and natural gas plus electricity of parking area. Electricity and natural gas for office.
Operations: Fleet Mix	Default fleet mix for light industry and office uses.
Land Use	80 acre site, 75 paved asphalt, with up to four canopies and welfare facilities - plus existing office building.
Operations: Off-Road Equipment	2027 scenario - Diesel Tier 4 Final or CNG off-road equipment - 14 x 30,000 lb cranes. 14 x 10,000 lb forklifts. 2 x UTRs.

Terminal Is. MSF - Buildout Year 2046 Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Terminal Is. MSF - Buildout Year 2046
Operational Year	2046
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.50
Precipitation (days)	7.20
Location	33.74865331181583, -118.25653116526375
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4613
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas
App Version	2022.1.1.30

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 Asphalt Surfaces	80.0	Acre	75.0	0.00	0.00	0.00	—	—

General Light Industry	4.40	1000sqft	0.10	4,400	0.00	0.00	—	Welfare buildings
General Office Building	2.90	1000sqft	0.07	2,900	400	0.00	—	750 Eldridge existing
Enclosed Parking Structure	64.0	1000sqft	1.47	64,000	0.00	0.00	—	Roadability canopies

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-9	Use Dust Suppressants
Construction	C-10-A	Water Exposed Surfaces
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads

2. Emissions Summary

2.4. Operations 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.	1.91	1.80	0.49	10.1	0.02	0.01	2.39	2.40	0.01	0.61	0.62	7.33	11,231	11,238	1.45	0.17	1.64	11,326
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.36	1.29	0.50	6.27	0.02	0.01	2.39	2.40	0.01	0.61	0.62	7.33	11,128	11,136	1.45	0.17	1.17	11,224
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.71	1.61	0.51	8.38	0.02	0.01	2.30	2.31	0.01	0.58	0.59	7.33	8,980	8,987	1.29	0.15	1.36	9,065

Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.31	0.29	0.09	1.53	< 0.005	< 0.005	0.42	0.42	< 0.005	0.11	0.11	1.21	1,487	1,488	0.21	0.02	0.22	1,501

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.67	0.59	0.45	6.97	0.02	0.01	2.39	2.40	0.01	0.61	0.61	—	2,148	2,148	0.06	0.07	0.49	2,171
Area	1.25	1.20	0.03	3.10	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	12.8	12.8	< 0.005	< 0.005	—	12.8
Energy	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9,051	9,051	0.64	0.09	—	9,094
Water	—	—	—	—	—	—	—	—	—	—	—	2.94	19.8	22.7	0.30	0.01	—	32.5
Waste	—	—	—	—	—	—	—	—	—	—	—	4.39	0.00	4.39	0.44	0.00	—	15.4
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.15	1.15
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	1.91	1.80	0.49	10.1	0.02	0.01	2.39	2.40	0.01	0.61	0.62	7.33	11,231	11,238	1.45	0.17	1.64	11,326
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.66	0.59	0.49	6.26	0.02	0.01	2.39	2.40	0.01	0.61	0.61	—	2,058	2,058	0.06	0.07	0.01	2,081
Area	0.69	0.69	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9,051	9,051	0.64	0.09	—	9,094
Water	—	—	—	—	—	—	—	—	—	—	—	2.94	19.8	22.7	0.30	0.01	—	32.5
Waste	—	—	—	—	—	—	—	—	—	—	—	4.39	0.00	4.39	0.44	0.00	—	15.4
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.15	1.15
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	1.36	1.29	0.50	6.27	0.02	0.01	2.39	2.40	0.01	0.61	0.62	7.33	11,128	11,136	1.45	0.17	1.17	11,224

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.64	0.57	0.48	6.24	0.02	0.01	2.30	2.30	0.01	0.58	0.59	—	2,012	2,012	0.06	0.07	0.20	2,034
Area	1.07	1.04	0.02	2.12	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.73	8.73	< 0.005	< 0.005	—	8.77
Energy	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6,940	6,940	0.49	0.07	—	6,972
Water	—	—	—	—	—	—	—	—	—	—	—	2.94	19.8	22.7	0.30	0.01	—	32.5
Waste	—	—	—	—	—	—	—	—	—	—	—	4.39	0.00	4.39	0.44	0.00	—	15.4
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.15	1.15
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	1.71	1.61	0.51	8.38	0.02	0.01	2.30	2.31	0.01	0.58	0.59	7.33	8,980	8,987	1.29	0.15	1.36	9,065
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.12	0.10	0.09	1.14	< 0.005	< 0.005	0.42	0.42	< 0.005	0.11	0.11	—	333	333	0.01	0.01	0.03	337
Area	0.20	0.19	< 0.005	0.39	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.45	1.45	< 0.005	< 0.005	—	1.45
Energy	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1,149	1,149	0.08	0.01	—	1,154
Water	—	—	—	—	—	—	—	—	—	—	—	0.49	3.28	3.76	0.05	< 0.005	—	5.38
Waste	—	—	—	—	—	—	—	—	—	—	—	0.73	0.00	0.73	0.07	0.00	—	2.55
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.31	0.29	0.09	1.53	< 0.005	< 0.005	0.42	0.42	< 0.005	0.11	0.11	1.21	1,487	1,488	0.21	0.02	0.22	1,501

2.6. Operations Emissions by Sector, Mitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.67	0.59	0.45	6.97	0.02	0.01	2.39	2.40	0.01	0.61	0.61	—	2,148	2,148	0.06	0.07	0.49	2,171
Area	1.25	1.20	0.03	3.10	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	12.8	12.8	< 0.005	< 0.005	—	12.8

Energy	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9,051	9,051	0.64	0.09	—	9,094
Water	—	—	—	—	—	—	—	—	—	—	—	2.94	19.8	22.7	0.30	0.01	—	32.5
Waste	—	—	—	—	—	—	—	—	—	—	—	4.39	0.00	4.39	0.44	0.00	—	15.4
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.15	1.15
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	1.91	1.80	0.49	10.1	0.02	0.01	2.39	2.40	0.01	0.61	0.62	7.33	11,231	11,238	1.45	0.17	1.64	11,326
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.66	0.59	0.49	6.26	0.02	0.01	2.39	2.40	0.01	0.61	0.61	—	2,058	2,058	0.06	0.07	0.01	2,081
Area	0.69	0.69	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9,051	9,051	0.64	0.09	—	9,094
Water	—	—	—	—	—	—	—	—	—	—	—	2.94	19.8	22.7	0.30	0.01	—	32.5
Waste	—	—	—	—	—	—	—	—	—	—	—	4.39	0.00	4.39	0.44	0.00	—	15.4
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.15	1.15
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	1.36	1.29	0.50	6.27	0.02	0.01	2.39	2.40	0.01	0.61	0.62	7.33	11,128	11,136	1.45	0.17	1.17	11,224
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.64	0.57	0.48	6.24	0.02	0.01	2.30	2.30	0.01	0.58	0.59	—	2,012	2,012	0.06	0.07	0.20	2,034
Area	1.07	1.04	0.02	2.12	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.73	8.73	< 0.005	< 0.005	—	8.77
Energy	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6,940	6,940	0.49	0.07	—	6,972
Water	—	—	—	—	—	—	—	—	—	—	—	2.94	19.8	22.7	0.30	0.01	—	32.5
Waste	—	—	—	—	—	—	—	—	—	—	—	4.39	0.00	4.39	0.44	0.00	—	15.4
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.15	1.15
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	1.71	1.61	0.51	8.38	0.02	0.01	2.30	2.31	0.01	0.58	0.59	7.33	8,980	8,987	1.29	0.15	1.36	9,065
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile	0.12	0.10	0.09	1.14	< 0.005	< 0.005	0.42	0.42	< 0.005	0.11	0.11	—	333	333	0.01	0.01	0.03	337
Area	0.20	0.19	< 0.005	0.39	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.45	1.45	< 0.005	< 0.005	—	1.45
Energy	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1,149	1,149	0.08	0.01	—	1,154
Water	—	—	—	—	—	—	—	—	—	—	—	0.49	3.28	3.76	0.05	< 0.005	—	5.38
Waste	—	—	—	—	—	—	—	—	—	—	—	0.73	0.00	0.73	0.07	0.00	—	2.55
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.31	0.29	0.09	1.53	< 0.005	< 0.005	0.42	0.42	< 0.005	0.11	0.11	1.21	1,487	1,488	0.21	0.02	0.22	1,501

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
General Light Industry	0.58	0.52	0.39	6.01	0.02	0.01	2.05	2.06	0.01	0.52	0.53	—	1,848	1,848	0.05	0.06	0.42	1,868
General Office Building	0.08	0.07	0.06	0.96	< 0.005	< 0.005	0.33	0.34	< 0.005	0.08	0.09	—	300	300	0.01	0.01	0.07	303

Enclosed Parking Structure	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.67	0.59	0.45	6.97	0.02	0.01	2.39	2.40	0.01	0.61	0.61	—	2,148	2,148	0.06	0.07	0.49	2,171
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
General Light Industry	0.58	0.52	0.42	5.40	0.02	0.01	2.05	2.06	0.01	0.52	0.53	—	1,771	1,771	0.05	0.06	0.01	1,791
General Office Building	0.08	0.07	0.07	0.86	< 0.005	< 0.005	0.33	0.34	< 0.005	0.08	0.09	—	287	287	0.01	0.01	< 0.005	290
Enclosed Parking Structure	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.66	0.59	0.49	6.26	0.02	0.01	2.39	2.40	0.01	0.61	0.61	—	2,058	2,058	0.06	0.07	0.01	2,081
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
General Light Industry	0.10	0.09	0.08	1.02	< 0.005	< 0.005	0.37	0.37	< 0.005	0.09	0.10	—	297	297	0.01	0.01	0.03	300
General Office Building	0.01	0.01	0.01	0.12	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	36.4	36.4	< 0.005	< 0.005	< 0.005	36.8
Enclosed Parking Structure	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.12	0.10	0.09	1.14	< 0.005	< 0.005	0.42	0.42	< 0.005	0.11	0.11	—	333	333	0.01	0.01	0.03	337

4.1.2. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
General Light Industry	0.58	0.52	0.39	6.01	0.02	0.01	2.05	2.06	0.01	0.52	0.53	—	1,848	1,848	0.05	0.06	0.42	1,868
General Office Building	0.08	0.07	0.06	0.96	< 0.005	< 0.005	0.33	0.34	< 0.005	0.08	0.09	—	300	300	0.01	0.01	0.07	303
Enclosed Parking Structure	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.67	0.59	0.45	6.97	0.02	0.01	2.39	2.40	0.01	0.61	0.61	—	2,148	2,148	0.06	0.07	0.49	2,171
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
General Light Industry	0.58	0.52	0.42	5.40	0.02	0.01	2.05	2.06	0.01	0.52	0.53	—	1,771	1,771	0.05	0.06	0.01	1,791
General Office Building	0.08	0.07	0.07	0.86	< 0.005	< 0.005	0.33	0.34	< 0.005	0.08	0.09	—	287	287	0.01	0.01	< 0.005	290

Enclosed Parking Structure	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.66	0.59	0.49	6.26	0.02	0.01	2.39	2.40	0.01	0.61	0.61	—	2,058	2,058	0.06	0.07	0.01	2,081
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
General Light Industry	0.10	0.09	0.08	1.02	< 0.005	< 0.005	0.37	0.37	< 0.005	0.09	0.10	—	297	297	0.01	0.01	0.03	300
General Office Building	0.01	0.01	0.01	0.12	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	36.4	36.4	< 0.005	< 0.005	< 0.005	36.8
Enclosed Parking Structure	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.12	0.10	0.09	1.14	< 0.005	< 0.005	0.42	0.42	< 0.005	0.11	0.11	—	333	333	0.01	0.01	0.03	337

4.2. Energy

4.2.1. Electricity Emissions By Land Use - 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	1,182	1,182	0.08	0.01	—	1,188
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	87.4	87.4	0.01	< 0.005	—	87.8
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	—	424	424	0.03	< 0.005	—	426
undefined	—	—	—	—	—	—	—	—	—	—	—	—	7,339	7,339	0.52	0.07	—	7,373
Total	—	—	—	—	—	—	—	—	—	—	—	—	9,032	9,032	0.64	0.09	—	9,075
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	1,182	1,182	0.08	0.01	—	1,188
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	87.4	87.4	0.01	< 0.005	—	87.8
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	—	424	424	0.03	< 0.005	—	426
undefined	—	—	—	—	—	—	—	—	—	—	—	—	7,339	7,339	0.52	0.07	—	7,373
Total	—	—	—	—	—	—	—	—	—	—	—	—	9,032	9,032	0.64	0.09	—	9,075
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	196	196	0.01	< 0.005	—	197
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	14.5	14.5	< 0.005	< 0.005	—	14.5
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	—	70.2	70.2	< 0.005	< 0.005	—	70.5
undefined	—	—	—	—	—	—	—	—	—	—	—	—	865	865	0.06	0.01	—	870
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,146	1,146	0.08	0.01	—	1,151

4.2.2. Electricity Emissions By Land Use - 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	1,182	1,182	0.08	0.01	—	1,188
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	87.4	87.4	0.01	< 0.005	—	87.8
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	—	424	424	0.03	< 0.005	—	426
undefined	—	—	—	—	—	—	—	—	—	—	—	—	7,339	7,339	0.52	0.07	—	7,373

Total	—	—	—	—	—	—	—	—	—	—	—	—	9,032	9,032	0.64	0.09	—	9,075
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	1,182	1,182	0.08	0.01	—	1,188
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	87.4	87.4	0.01	< 0.005	—	87.8
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	—	424	424	0.03	< 0.005	—	426
undefined	—	—	—	—	—	—	—	—	—	—	—	—	7,339	7,339	0.52	0.07	—	7,373
Total	—	—	—	—	—	—	—	—	—	—	—	—	9,032	9,032	0.64	0.09	—	9,075
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	196	196	0.01	< 0.005	—	197
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	14.5	14.5	< 0.005	< 0.005	—	14.5
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	—	70.2	70.2	< 0.005	< 0.005	—	70.5
undefined	—	—	—	—	—	—	—	—	—	—	—	—	865	865	0.06	0.01	—	870
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,146	1,146	0.08	0.01	—	1,151

4.2.3. Natural Gas Emissions By Land Use - 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	18.7	18.7	< 0.005	< 0.005	—	18.7
Enclosed Parking Structure	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	18.7	18.7	< 0.005	< 0.005	—	18.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	18.7	18.7	< 0.005	< 0.005	—	18.7

Enclosed Parking Structure	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	18.7	18.7	< 0.005	< 0.005	—	18.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.09	3.09	< 0.005	< 0.005	—	3.10
Enclosed Parking Structure	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.09	3.09	< 0.005	< 0.005	—	3.10

4.2.4. Natural Gas Emissions By Land Use - 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

General Office Building	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	18.7	18.7	< 0.005	< 0.005	—	18.7
Enclosed Parking Structure	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	18.7	18.7	< 0.005	< 0.005	—	18.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	18.7	18.7	< 0.005	< 0.005	—	18.7
Enclosed Parking Structure	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	18.7	18.7	< 0.005	< 0.005	—	18.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.09	3.09	< 0.005	< 0.005	—	3.10

Enclosed Parking Structure	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.09	3.09	< 0.005	< 0.005	—	3.10

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.42	0.42	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.28	0.28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.55	0.51	0.03	3.10	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	12.8	12.8	< 0.005	< 0.005	—	12.8
Total	1.25	1.20	0.03	3.10	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	12.8	12.8	< 0.005	< 0.005	—	12.8
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.42	0.42	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural Coating	0.28	0.28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.69	0.69	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.08	0.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.05	0.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.07	0.06	< 0.005	0.39	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.45	1.45	< 0.005	< 0.005	—	1.45
Total	0.20	0.19	< 0.005	0.39	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.45	1.45	< 0.005	< 0.005	—	1.45

4.3.2. Mitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.42	0.42	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.28	0.28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landscape Equipment	0.55	0.51	0.03	3.10	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	12.8	12.8	< 0.005	< 0.005	—	12.8
Total	1.25	1.20	0.03	3.10	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	12.8	12.8	< 0.005	< 0.005	—	12.8
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.42	0.42	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.28	0.28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.69	0.69	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.08	0.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.05	0.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.07	0.06	< 0.005	0.39	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.45	1.45	< 0.005	< 0.005	—	1.45
Total	0.20	0.19	< 0.005	0.39	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.45	1.45	< 0.005	< 0.005	—	1.45

4.4. Water Emissions by Land Use

4.4.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	1.95	13.1	15.1	0.20	< 0.005	—	21.5
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.99	6.69	7.68	0.10	< 0.005	—	11.0
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	2.94	19.8	22.7	0.30	0.01	—	32.5
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	1.95	13.1	15.1	0.20	< 0.005	—	21.5
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.99	6.69	7.68	0.10	< 0.005	—	11.0
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	2.94	19.8	22.7	0.30	0.01	—	32.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	0.32	2.17	2.49	0.03	< 0.005	—	3.56
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.16	1.11	1.27	0.02	< 0.005	—	1.81
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.49	3.28	3.76	0.05	< 0.005	—	5.38

4.4.2. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	1.95	13.1	15.1	0.20	< 0.005	—	21.5
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.99	6.69	7.68	0.10	< 0.005	—	11.0
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	2.94	19.8	22.7	0.30	0.01	—	32.5

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	1.95	13.1	15.1	0.20	< 0.005	—	21.5
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.99	6.69	7.68	0.10	< 0.005	—	11.0
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	2.94	19.8	22.7	0.30	0.01	—	32.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	0.32	2.17	2.49	0.03	< 0.005	—	3.56
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.16	1.11	1.27	0.02	< 0.005	—	1.81
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.49	3.28	3.76	0.05	< 0.005	—	5.38

4.5. Waste Emissions by Land Use

4.5.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	2.94	0.00	2.94	0.29	0.00	—	10.3
General Office Building	—	—	—	—	—	—	—	—	—	—	—	1.45	0.00	1.45	0.15	0.00	—	5.09
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	4.39	0.00	4.39	0.44	0.00	—	15.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	2.94	0.00	2.94	0.29	0.00	—	10.3
General Office Building	—	—	—	—	—	—	—	—	—	—	—	1.45	0.00	1.45	0.15	0.00	—	5.09
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	4.39	0.00	4.39	0.44	0.00	—	15.4

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	0.49	0.00	0.49	0.05	0.00	—	1.70
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.24	0.00	0.24	0.02	0.00	—	0.84
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.73	0.00	0.73	0.07	0.00	—	2.55

4.5.2. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	2.94	0.00	2.94	0.29	0.00	—	10.3
General Office Building	—	—	—	—	—	—	—	—	—	—	—	1.45	0.00	1.45	0.15	0.00	—	5.09
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Total	—	—	—	—	—	—	—	—	—	—	—	4.39	0.00	4.39	0.44	0.00	—	15.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	2.94	0.00	2.94	0.29	0.00	—	10.3
General Office Building	—	—	—	—	—	—	—	—	—	—	—	1.45	0.00	1.45	0.15	0.00	—	5.09
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	4.39	0.00	4.39	0.44	0.00	—	15.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	0.49	0.00	0.49	0.05	0.00	—	1.70
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.24	0.00	0.24	0.02	0.00	—	0.84
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.73	0.00	0.73	0.07	0.00	—	2.55

4.6. Refrigerant Emissions by Land Use

4.6.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.15	1.15
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.15	1.15
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.15	1.15
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.15	1.15
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19

4.6.2. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.15	1.15
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.15	1.15
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.15	1.15
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.15	1.15
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cranes	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Tractors/ Loaders/ Backhoes	0.00	0.00	0.00	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	0.00	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cranes	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Tractors/ Loaders/ Backhoes	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cranes	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Tractors/ Loaders/ Backhoes	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.7.2. Mitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cranes	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Tractors/ Loaders/ Backhoes	0.00	0.00	0.00	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	0.00	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cranes	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Tractors/ Loaders/ Backhoes	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cranes	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Tractors/ Loaders/ Backhoes	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

Equipment Type	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

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

Equipment Type	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

Equipment Type	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

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

Equipment Type	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. 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

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
General Light Industry	210	210	210	76,654	2,895	2,895	2,895	1,056,638
General Office Building	28.2	6.41	2.03	7,804	471	107	33.9	130,189
Enclosed Parking Structure	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year

Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
General Light Industry	210	210	210	76,654	2,895	2,895	2,895	1,056,638
General Office Building	28.2	6.41	2.03	7,804	471	107	33.9	130,189
Enclosed Parking Structure	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

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)
0	0.00	13,830	3,970	199,860

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00

Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Other Asphalt Surfaces	0.00	690	0.0489	0.0069	0.00
General Light Industry	625,000	690	0.0489	0.0069	0.00
General Office Building	46,193	690	0.0489	0.0069	58,266
Enclosed Parking Structure	224,092	690	0.0489	0.0069	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Other Asphalt Surfaces	0.00	690	0.0489	0.0069	0.00
General Light Industry	625,000	690	0.0489	0.0069	0.00
General Office Building	46,193	690	0.0489	0.0069	58,266
Enclosed Parking Structure	224,092	690	0.0489	0.0069	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Other Asphalt Surfaces	0.00	0.00
General Light Industry	1,017,500	0.00
General Office Building	515,428	5,610
Enclosed Parking Structure	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Other Asphalt Surfaces	0.00	0.00
General Light Industry	1,017,500	0.00
General Office Building	515,428	5,610
Enclosed Parking Structure	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Other Asphalt Surfaces	0.00	—
General Light Industry	5.46	—
General Office Building	2.70	—
Enclosed Parking Structure	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Other Asphalt Surfaces	0.00	—
General Light Industry	5.46	—
General Office Building	2.70	—
Enclosed Parking Structure	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced

General Light Industry	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.00	4.00	18.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
General Light Industry	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.00	4.00	18.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Cranes	Electric	Average	14.0	8.00	367	0.29
Forklifts	Electric	Average	14.0	8.00	82.0	0.20
Tractors/Loaders/Backhoes	Electric	Average	2.00	8.00	84.0	0.37

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Cranes	Electric	Average	14.0	8.00	367	0.29
Forklifts	Electric	Average	14.0	8.00	82.0	0.20

Tractors/Loaders/Backhoe	Electric	Average	2.00	8.00	84.0	0.37

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

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	5.85	annual days of extreme heat
Extreme Precipitation	4.35	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	16.8
AQ-PM	68.1
AQ-DPM	99.7
Drinking Water	42.4
Lead Risk Housing	—
Pesticides	0.00
Toxic Releases	93.8
Traffic	64.0
Effect Indicators	—
CleanUp Sites	99.7
Groundwater	99.9
Haz Waste Facilities/Generators	99.1
Impaired Water Bodies	97.5
Solid Waste	96.8
Sensitive Population	—
Asthma	93.1

Cardio-vascular	62.5
Low Birth Weights	—
Socioeconomic Factor Indicators	—
Education	34.4
Housing	—
Linguistic	—
Poverty	—
Unemployment	—

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	—
Employed	—
Median HI	—
Education	—
Bachelor's or higher	—
High school enrollment	—
Preschool enrollment	—
Transportation	—
Auto Access	—
Active commuting	—
Social	—
2-parent households	—
Voting	—
Neighborhood	—
Alcohol availability	—

Park access	—
Retail density	—
Supermarket access	—
Tree canopy	—
Housing	—
Homeownership	—
Housing habitability	—
Low-inc homeowner severe housing cost burden	—
Low-inc renter severe housing cost burden	—
Uncrowded housing	—
Health Outcomes	—
Insured adults	—
Arthritis	77.8
Asthma ER Admissions	13.7
High Blood Pressure	49.4
Cancer (excluding skin)	49.7
Asthma	98.6
Coronary Heart Disease	25.9
Chronic Obstructive Pulmonary Disease	62.6
Diagnosed Diabetes	47.0
Life Expectancy at Birth	0.0
Cognitively Disabled	99.8
Physically Disabled	99.8
Heart Attack ER Admissions	32.2
Mental Health Not Good	71.0
Chronic Kidney Disease	64.9
Obesity	35.5
Pedestrian Injuries	0.0

Physical Health Not Good	61.7
Stroke	58.2
Health Risk Behaviors	—
Binge Drinking	1.0
Current Smoker	35.6
No Leisure Time for Physical Activity	70.6
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	38.0
Children	99.4
Elderly	83.1
English Speaking	0.0
Foreign-born	0.0
Outdoor Workers	98.2
Climate Change Adaptive Capacity	—
Impervious Surface Cover	17.2
Traffic Density	0.0
Traffic Access	23.0
Other Indices	—
Hardship	0.0
Other Decision Support	—
2016 Voting	0.0

7.3. Overall Health & Equity Scores

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

Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	Wilmington Long Beach Carson

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
Characteristics: Project Details	Operations run only - at buildout (2046), includes employees as worker trips. Separate spreadsheet for HHDT.
Construction: Construction Phases	24 mo schedule
Construction: Dust From Material Movement	regrade for new underground utilities export approximately 270,000 CY over two phases
Construction: Trips and VMT	construction workforce up to 60 workers, Dec 2023 NOP-IS, construction hauling trips reflect defaults
Construction: On-Road Fugitive Dust	onsite travel is 50 percent paved, existing unbound crushed miscellaneous base, Dec 2023 NOP-IS
Operations: Vehicle Data	Buildout Year - 210 daily worker trips for 105 employees at CalEEMod default trip length.
Operations: Energy Use	Electricity-only for MSF in light industry - estimated by CalEEMod default mix of light ind electricity and natural gas plus electricity of parking area. Electricity and natural gas for office.
Operations: Fleet Mix	Default fleet mix for light industry and office uses.
Land Use	80 acre site, 75 paved asphalt, with up to four canopies and welfare facilities - plus existing office building.
Operations: Off-Road Equipment	2046 scenario - all Zero-Emissions off-road equipment - 14 x 30,000 lb cranes. 14 x 10,000 lb forklifts. 2 x UTRs.