Appendix B1

Air Quality and Greenhouse Gas Calculations

Terminal Island MSF - Air Quality/GHG Emissions Summary

Construction AQ
Air Pollutant Emissions, Maximum Daily (lb/day)

Construction Emissions	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
2026	3.90	90.00	53.00	0.41	2.00	45.00	46.00	1.90	10.00	12.00
2027	17.00	87.00	51.00	0.41	1.90	45.00	46.00	1.80	10.00	12.00
2028	1.40	12.00	20.00	0.04	0.33	7.30	7.60	0.31	1.00	1.30
Maximum Daily (lb/day)	**17.00**	**90.00**	**53.00**	**0.41**	**2.00**	**45.00**	**46.00**	**1.90**	**10.00**	**12.00**

Construction AQ
Annual Rate (tons/year)

Construction Emissions	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
2026	0.30	7.00	4.00	0.03	0.15	3.40	3.50	0.14	0.79	0.93
2027	0.90	4.70	4.50	0.02	0.12	2.90	3.00	0.12	0.47	0.59
2028	0.06	0.49	0.81	< 0.005	0.01	0.29	0.31	0.01	0.04	0.05
Total Duration of Construction (tons)	**1.26**	**12.19**	**9.31**	**0.05**	**0.28**	**6.59**	**6.81**	**0.27**	**1.30**	**1.57**

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).
Diesel particulate matter (DPM).

Operation AQ

Opening Year (2029)										
Operation Emissions	**ROG**	**NOx**	**CO**	**SO_2**	**PM10E**	**PM10D**	**PM10T**	**PM2.5E**	**PM2.5D**	**PM2.5T**
Worker Vehicles	0.62	0.61	7.10	0.02	0.01	1.90	1.90	0.01	0.48	0.49
Cargo-Handling Equipment	1.90	9.90	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	0.18	32.15	5.02	0.24	0.10	8.48	8.58	0.09	1.71	1.81
On-site, Truck Trips	0.32	52.16	7.40	0.23	0.08	6.08	6.15	0.08	1.24	1.32
On-site, Idling	5.43	32.15	53.15	0.07	0.01	0.00	0.01	0.01	0.00	0.01
Maximum Daily, Opening Year (lb/day)	**9.65**	**127.02**	**176.78**	**0.75**	**0.58**	**16.45**	**17.02**	**0.57**	**3.43**	**4.00**
Annual, Opening Year (ton/year)	**1.76**	**23.18**	**32.26**	**0.14**	**0.11**	**3.00**	**3.11**	**0.10**	**0.63**	**0.73**

Operation AQ

Buildout Year (2049)										
Operation Emissions	**ROG**	**NOx**	**CO**	**SO_2**	**PM10E**	**PM10D**	**PM10T**	**PM2.5E**	**PM2.5D**	**PM2.5T**
Worker Vehicles	0.58	0.49	6.90	0.02	0.01	2.40	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	41.79	11.61	0.30	0.11	15.78	15.89	0.10	3.20	3.30
On-site, Truck Trips	0.44	69.59	16.20	0.28	0.11	11.31	11.42	0.10	2.31	2.41
On-site, Idling	10.08	59.72	98.70	0.14	0.02	0.00	0.02	0.02	0.00	0.02
Maximum Daily, Buildout Year (lb/day)	**12.54**	**171.63**	**136.52**	**0.73**	**0.24**	**29.49**	**29.73**	**0.23**	**6.12**	**6.34**
Annual, Buildout Year (ton/year)	**2.29**	**31.32**	**24.92**	**0.13**	**0.04**	**5.38**	**5.43**	**0.04**	**1.12**	**1.16**

GHG Emissions (MT and MT/year)

Construction GHG	CO_2e
One-time Construction	**(MT)**
Total Duration of Construction (MT)	7,046

	CO_2e
	(MT/yr)
Amortized Construction Emissions, Annually	234.9

Operation GHG	CO_2e
Opening Year (2029)	**(MT/yr)**
Worker Vehicles	308
Cargo-Handling Equipment	2,389
Electricity Use	282
Other Energy, Area Sources	13
Off-site, Truck Trips	4,426
On-site, Truck Trips	4,201
On-site, Idling	1,545
Total, Opening Year (MT/year)	**13,163**

	CO_2e
Operation, with Amortized Construction	**(MT/yr)**
Opening Year (2029), Total Annualized (MT/year)	13,398
Opening Year (2029), without Electricity Use (MT/year)	13,116

Operation GHG	CO_2e
Buildout Year (2049)	**(MT/yr)**
Worker Vehicles	335
Cargo-Handling Equipment	0
Electricity Use	1,151
Other Energy, Area Sources	13
Off-site, Truck Trips	5,710
On-site, Truck Trips	5,316
On-site, Idling	2,870
Total, Buildout Year (MT/year)	**15,395**

	CO_2e
Operation, with Amortized Construction	**(MT/yr)**
Buildout Year (2049), Total Annualized (MT/year)	15,630
Buildout Year (2049), without Electricity Use (MT/year)	14,479

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

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

Construction Activity Details (Tab 5.1 from CalEEMod Report)

Construction Schedule

Phase Name	Start Date	End Date	Days Per Week	Months, Est.	Work Days per Phase
Site Preparation	6/1/2026	1/8/2027	5	8	160
Grading	1/9/2027	6/25/2027	5	6	120
Building Construction	6/26/2027	3/31/2028	5	10	200
Substation-Electrical	4/1/2028	4/28/2028	5	1	20
Paving	6/30/2027	9/21/2027	5	3	60
Architectural Coating	10/8/2027	12/30/2027	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	19	LDA,LDT1,LDT2
Site Preparation	Vendor	10	10	HHDT,MHDT
Site Preparation	Hauling	200	80	HHDT
Site Preparation	Onsite truck	40	4	HHDT
Grading				
Grading	Worker	60	19	LDA,LDT1,LDT2
Grading	Vendor	10	10	HHDT,MHDT
Grading	Hauling	140	50	HHDT
Grading	Onsite truck	40	4	HHDT
Building Construction				
Building Construction	Worker	120	19	LDA,LDT1,LDT2
Building Construction	Vendor	4	10	HHDT,MHDT
Building Construction	Hauling	20	20	HHDT
Building Construction	Onsite truck	10	4	HHDT
Paving				
Paving	Worker	30	19	LDA,LDT1,LDT2
Paving	Vendor	10	10	HHDT,MHDT
Paving	Hauling	20	20	HHDT
Paving	Onsite truck	10	4	HHDT
Architectural Coating				
Architectural Coating	Worker	60	19	LDA,LDT1,LDT2
Architectural Coating	Vendor	10	10	HHDT,MHDT
Architectural Coating	Hauling	20	20	HHDT
Architectural Coating	Onsite truck	10	4	HHDT
Substation-Electrical				
Substation-Electrical	Worker	30	19	LDA,LDT1,LDT2
Substation-Electrical	Vendor	10	10	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)										
2026	3.90	88.00	53.00	0.41	2.00	45.00	46.00	1.90	10.00	12.00
2027	5.70	52.00	40.00	0.22	1.40	32.00	34.00	1.30	5.50	6.80
2028	1.20	12.00	17.00	0.04	0.33	6.10	6.50	0.31	0.75	1.10
Daily - Winter (Max), (lb/day)										
2026	3.90	90.00	52.00	0.41	2.00	45.00	46.00	1.90	10.00	12.00
2027	17.00	87.00	51.00	0.41	1.90	45.00	46.00	1.80	10.00	12.00
2028	1.40	11.00	20.00	0.03	0.32	7.30	7.60	0.30	1.00	1.30
Average Daily (lb/day)										
2026	1.60	38.00	22.00	0.17	0.82	18.00	19.00	0.78	4.30	5.10
2027	4.90	26.00	25.00	0.10	0.67	16.00	16.00	0.63	2.60	3.20
2028	0.32	2.70	4.40	0.01	0.08	1.60	1.70	0.07	0.22	0.29
Annual (tons/year)										
2026	0.30	7.00	4.00	0.03	0.15	3.40	3.50	0.14	0.79	0.93
2027	0.90	4.70	4.50	0.02	0.12	2.90	3.00	0.12	0.47	0.59
2028	0.06	0.49	0.81	< 0.005	0.01	0.29	0.31	0.01	0.04	0.05

Construction (tons)	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Total Duration	1.26	12.19	9.31	0.05	0.28	6.59	6.81	0.27	1.30	1.57

Construction GHG - Totals

Year	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Annual						
2026	4,188	4,188	0.20	0.61	3.80	4,378
2027	2,374	2,374	0.10	0.28	1.80	2,460
2028	204	204	0.01	0.01	0.12	208

Construction (MT)	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Total Duration	6,766	6,766	0.31	0.90	5.72	7,046

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 (2029) - Worker Trips and Cargo Handling

Daily (Max) - (lb/day)	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Mobile	0.62	0.61	7.10	0.02	0.01	1.90	1.90	0.01	0.48	0.49
Area	1.20	0.03	3.10	< 0.005	0.01	0.00	0.01	< 0.005	0.00	< 0.005
Energy	< 0.005	0.02	0.01	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005
Off-Road	1.90	9.90	101.00	0.19	0.38		0.38	0.38		0.38
Subtotal, Worker Trips and Yard	3.72	10.56	111.21	0.21	0.40	1.90	2.29	0.39	0.48	0.87

	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Worker Vehicles	0.62	0.61	7.10	0.02	0.01	1.90	1.90	0.01	0.48	0.49
Cargo-Handling Equipment	1.90	9.90	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 (2049) - Worker Trips and Cargo Handling

Daily (Max) - (lb/day)	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Mobile	0.58	0.49	6.90	0.02	0.01	2.40	2.40	0.01	0.61	0.61
Area	1.20	0.03	3.10	< 0.005	0.01	0.00	0.01	< 0.005	0.00	< 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	1.78	0.54	10.01	0.02	0.02	2.40	2.41	0.01	0.61	0.61

Note: cargo handling equipment assumption is diesel in Opening Year (2029) and zero-emissions (e.g., battery electric) in Buildout Year (2049).

	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Worker Vehicles	0.58	0.49	6.90	0.02	0.01	2.40	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		304	304	0.01	0.01	0.34	308
Area		1.4	1.4	< 0.005	< 0.005		1.5
Energy		283	283	0.02	< 0.005		285
Water	0.49	3.3	3.8	0.05	< 0.005		5.4
Waste	0.73	0	0.73	0.07	0		2.5
Refrig.						0.19	0.19
Off-Road		2380	2380	0.1	0.02		2,389
Subtotal GHG	1.2	2973	2974	0.3	0.0	0.5	2,992

	CO_2e
Worker Vehicles	308
Cargo-Handling Equipment	2,389
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		332	332	0.01	0.01	0.02	335
Area		1.4	1.4	< 0.005	< 0.005		1.5
Energy		1149	1149	0.08	0.01		1154
Water	0.49	3.3	3.8	0.05	< 0.005		5.4
Waste	0.73	0	0.73	0.07	0		2.5
Refrig.						0.19	0.19
Off-Road		0	0	0	0		0
Subtotal GHG	1.2	1485.0	1486.0	0.2	0.0	0.2	1,499

Note: cargo handling equipment assumption is diesel in Opening Year (2029) and zero-emissions (e.g., battery electric) in Buildout Year (2049).

	CO_2e
Worker Vehicles	335
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 (2029)	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			
On-site	3,682	**1.32**	15	4,866	1,841	**0.34**	632.9
Buildout (2049)							
Off-site	6,838	**1.87**	30	12,787			
On-site	6,838	**1.32**	15	9,037	3,419	**0.34**	1,175.4

Notes:

Off-site VMT: average diverted truck trip length of 1.87 miles (POLA Goods Movement Division, spreadsheet 20230112; LAHD, 2023).

Terminal Way posted speed limit: 30 mph.

On-site speed limit: 15 mph (terminal inside gate).

Operational Activity Assumptions, Diverted Truck Circulation - Trip Lengths via Grade Separation and On-site Circulation

Segment	**Description**	feet/trip	mi/trip
Ferry/Terminal Way to "In" Gate	Inbound via Grade Separation	4,110	0.78
"In" Gate to Interior Stall	Inbound, terminal inside	2,695	0.51
Interior Stall to Roadability Canopy	Outbound, terminal inside	2,311	0.44
Roadability to "Out" Gate	Outbound, terminal inside	1,030	0.20
"Out" Gate to Ferry/Terminal Way	Outbound, via Grade Separation	3,810	0.72

On-site VMT: average length of inbound and outbound circulation (via Grade Separation and interior chassis paths; LAHD, 2025).

On-site Trip Length	feet/trip	mi/trip
Inbound Length (total)	6,805	1.29
Outbound Length (total)	7,151	1.35
Average: Inbound & Outbound	**6,978**	**1.32**

Operational Activity Assumptions, Diverted Truck Idling per Visit - Durations from Time On-site

Total Time on Terminal :	0.47	hours
On-site Travel Distance (sum of "terminal inside gate") :	1.14	miles
On-site Travel Time :	0.08	hr/visit, at 15 mph
Engine Off for Roadability Inspection :	0.05	hr/visit, for 3 minute pre-trip inspection
On-site Idling Time :	**0.34**	**hr/visit**

Notes:

Time on Terminal: 0.47 hours (28.2 min.) from POLA Emission Inventory Table 7.2, Non-Container Facility Operating Characteristics (Sept 2025).

Idling Time per Visit = Total Time on Terminal (0.47 hr) minus On-site Travel Time (terminal inside gate) minus Roadability Inspection.

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 (2029)	(lb/d)	(lb/d)	(lb/d)	(lb/d)	(lb/d)	(lb/d)	(lb/d)	(lb/d)	(lb/d)	(lb/d)
Off-site, Travel	0.18	32.15	5.02	0.24	0.10	8.48	8.58	0.09	1.71	1.81
On-site, Travel	0.32	52.16	7.40	0.23	0.08	6.08	6.15	0.08	1.24	1.32
Buildout (2049)										
Off-site, Travel	0.24	41.79	11.61	0.30	0.11	15.78	15.89	0.10	3.20	3.30
On-site, Travel	0.44	69.59	16.20	0.28	0.11	11.31	11.42	0.10	2.31	2.41

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

	CO2	CH4	N2O
Opening Year (2029)	(lb/y)	(lb/y)	(lb/y)
Off-site, Travel	9.32E+06	138.77	1473.91
On-site, Travel	8.84E+06	209.61	1399.33
Buildout (2049)			
Off-site, Travel	1.20E+07	505.78	1912.74
On-site, Travel	1.12E+07	738.22	1782.99

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

GWP =	1	25	298

Opening Year (2029)	**GHG (MTCO2e/year)**
Off-site	4,426
On-site	4,201

Buildout (2049)	**GHG (MTCO2e/year)**
Off-site	5,710
On-site	5,316

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 Factors	(g/hr)	(g/hr)	(g/hr)	(g/hr)	(g/hr)			(g/hr)		
Speed (0 mph = g/hour)	3.8895	23.0445	38.0907	0.0531	0.0069			0.0066		

Emission Factors: SPBP Emissions Inventory Methodology Report (v.5 - 2024): Table 6.3: 2023 Speed-Specific Composite Emission Factors.

	ROG	NOx	CO	SO_2	PM10E			PM2.5E		
Opening Year (2029)	(lb/d)	(lb/d)	(lb/d)	(lb/d)	(lb/d)			(lb/d)		
On-site, Idling	5.43	32.15	53.15	0.07	0.010			0.009		
Buildout (2049)										
On-site, Idling	10.08	59.72	98.70	0.14	0.018			0.017		

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

	CO2	CH4	N2O
Idling, Emission Factors	(g/hr)	(g/hr)	(g/hr)
Speed (0 mph = g/hour)	6405	0.2288	0.9325

Emission Factors: SPBP Emissions Inventory Methodology Report (v.5 - 2024): Table 6.3: 2023 Speed-Specific Composite Emission Factors.

	CO2	CH4	N2O
Opening Year (2029)	(MT/y)	(MT/y)	(MT/y)
On-site, Idling	1479.64	0.05	0.22
Buildout (2049)			
On-site, Idling	2747.90	0.10	0.40

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

GWP =	1	25	298

Opening Year (2029)	**GHG (MTCO2e/year)**
Idling	1,545
Buildout (2049)	**GHG (MTCO2e/year)**
Idling	2,870

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

Source: EMFAC2021 (v1.0.2) Emissions Inventory >> Converted to lb/VMT
Region Type: Sub-Area
Region: Los Angeles (SC)
Calendar Year: 2029, 2049
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:2029, mph:30	2.69E-05	4.67E-03	7.29E-04	3.46E-05	1.44E-05	2.82E-04	1.38E-05	9.86E-05	3.71E+00	5.52E-05	5.86E-04
T7 POLA Class 8, Year:2029, mph:15	6.63E-05	1.07E-02	1.52E-03	4.63E-05	1.62E-05	2.99E-04	1.55E-05	1.05E-04	4.98E+00	1.18E-04	7.88E-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:2049, mph:30	1.85E-05	3.27E-03	9.08E-04	2.34E-05	8.51E-06	2.85E-04	8.13E-06	9.96E-05	2.57E+00	1.08E-04	4.10E-04
T7 POLA Class 8, Year:2049, mph:15	4.92E-05	7.70E-03	1.79E-03	3.06E-05	1.17E-05	3.02E-04	1.11E-05	1.06E-04	3.39E+00	2.24E-04	5.41E-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:2029, mph:30	1.23E-03	2.49E-04
T7 POLA Class 8, Year:2029, 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:2049, mph:30	1.23E-03	2.50E-04
T7 POLA Class 8, Year:2049, mph:15	1.25E-03	2.56E-04

TIMSF - Construction Detailed Report

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1.1. Basic Project Information

Data Field	Value
Project Name	TIMSF - Construction
Construction Start Date	6/1/2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.5
Precipitation (days)	7.2
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	2022.1.1.35

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	Acre	73	75	0.00	0.00	—	—
General Light Industry	4.4	1000sqft	0.10	4,400	400	0.00	—	Welfare buildings

Enclosed Parking Structure	64	1000sqft	1.5	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
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.	7.2	5.7	88	53	0.41	2.0	271	273	1.9	38	40	—	60,433	60,433	2.9	8.7	127	63,236
Mit.	7.2	5.7	88	53	0.41	2.0	45	46	1.9	10	12	—	60,433	60,433	2.9	8.7	127	63,236
% Reduced	—	—	—	—	—	—	84%	83%	—	73%	69%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	17	17	90	52	0.41	2.0	271	273	1.9	38	40	—	60,398	60,398	2.9	8.7	3.3	63,078
Mit.	17	17	90	52	0.41	2.0	45	46	1.9	10	12	—	60,398	60,398	2.9	8.7	3.3	63,078
% Reduced	—	—	—	—	—	—	84%	83%	—	73%	69%	—	—	—	—	—	—	—

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.8	4.9	38	25	0.17	0.82	127	128	0.78	16	16	—	25,297	25,297	1.2	3.7	23	26,441
Mit.	5.8	4.9	38	25	0.17	0.82	18	19	0.78	4.3	5.1	—	25,297	25,297	1.2	3.7	23	26,441
% Reduced	—	—	—	—	—	—	85%	85%	—	73%	69%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.1	0.90	7.0	4.5	0.03	0.15	23	23	0.14	2.9	3.0	—	4,188	4,188	0.20	0.61	3.8	4,378
Mit.	1.1	0.90	7.0	4.5	0.03	0.15	3.4	3.5	0.14	0.79	0.93	—	4,188	4,188	0.20	0.61	3.8	4,378
% Reduced	—	—	—	—	—	—	85%	85%	—	73%	69%	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	7.2	3.9	88	53	0.41	2.0	271	273	1.9	38	40	—	60,433	60,433	2.9	8.7	127	63,236
2027	6.3	5.7	52	40	0.22	1.4	252	254	1.3	29	30	—	31,276	31,276	1.4	4.0	54	32,545
2028	1.5	1.2	12	17	0.04	0.33	60	60	0.31	6.1	6.4	—	4,726	4,726	0.20	0.31	4.8	4,828
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	7.2	3.9	90	52	0.41	2.0	271	273	1.9	38	40	—	60,398	60,398	2.9	8.7	3.3	63,078
2027	17	17	87	51	0.41	1.9	271	273	1.8	38	40	—	59,301	59,301	2.5	8.7	3.1	61,970
2028	1.8	1.4	11	20	0.03	0.32	61	61	0.30	6.4	6.7	—	5,450	5,450	0.20	0.32	0.20	5,551
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	3.0	1.6	38	22	0.17	0.82	111	112	0.78	16	16	—	25,297	25,297	1.2	3.7	23	26,441

2027	5.8	4.9	26	25	0.10	0.67	127	128	0.63	14	15	—	14,339	14,339	0.61	1.7	11	14,861
2028	0.40	0.32	2.7	4.4	0.01	0.08	14	14	0.07	1.4	1.5	—	1,232	1,232	0.05	0.07	0.70	1,257
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.55	0.30	7.0	4.0	0.03	0.15	20	20	0.14	2.9	3.0	—	4,188	4,188	0.20	0.61	3.8	4,378
2027	1.1	0.90	4.7	4.5	0.02	0.12	23	23	0.12	2.6	2.7	—	2,374	2,374	0.10	0.28	1.8	2,460
2028	0.07	0.06	0.49	0.81	< 0.005	0.01	2.5	2.5	0.01	0.26	0.28	—	204	204	0.01	0.01	0.12	208

2.3. Construction Emissions by Year, Mitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	7.2	3.9	88	53	0.41	2.0	45	46	1.9	10	12	—	60,433	60,433	2.9	8.7	127	63,236
2027	6.3	5.7	52	40	0.22	1.4	32	34	1.3	5.5	6.8	—	31,276	31,276	1.4	4.0	54	32,545
2028	1.5	1.2	12	17	0.04	0.33	6.1	6.5	0.31	0.75	1.1	—	4,726	4,726	0.20	0.31	4.8	4,828
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	7.2	3.9	90	52	0.41	2.0	45	46	1.9	10	12	—	60,398	60,398	2.9	8.7	3.3	63,078
2027	17	17	87	51	0.41	1.9	45	46	1.8	10	12	—	59,301	59,301	2.5	8.7	3.1	61,970
2028	1.8	1.4	11	20	0.03	0.32	7.3	7.6	0.30	1.0	1.3	—	5,450	5,450	0.20	0.32	0.20	5,551
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	3.0	1.6	38	22	0.17	0.82	18	19	0.78	4.3	5.1	—	25,297	25,297	1.2	3.7	23	26,441
2027	5.8	4.9	26	25	0.10	0.67	16	16	0.63	2.6	3.2	—	14,339	14,339	0.61	1.7	11	14,861
2028	0.40	0.32	2.7	4.4	0.01	0.08	1.6	1.7	0.07	0.22	0.29	—	1,232	1,232	0.05	0.07	0.70	1,257
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.55	0.30	7.0	4.0	0.03	0.15	3.4	3.5	0.14	0.79	0.93	—	4,188	4,188	0.20	0.61	3.8	4,378
2027	1.1	0.90	4.7	4.5	0.02	0.12	2.9	3.0	0.12	0.47	0.59	—	2,374	2,374	0.10	0.28	1.8	2,460

2028	0.07	0.06	0.49	0.81	< 0.005	0.01	0.29	0.31	0.01	0.04	0.05	—	204	204	0.01	0.01	0.12	208

3. Construction Emissions Details

3.1. 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	3.7	3.1	29	29	0.05	1.2	—	1.2	1.1	—	1.1	—	5,298	5,298	0.21	0.04	—	5,316
Dust From Material Movement	—	—	—	—	—	—	20	20	—	10	10	—	—	—	—	—	—	—
Onsite truck	0.08	0.03	1.1	0.60	< 0.005	0.01	236	236	0.01	24	24	—	598	598	0.05	0.10	1.2	629
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.7	3.1	29	29	0.05	1.2	—	1.2	1.1	—	1.1	—	5,298	5,298	0.21	0.04	—	5,316
Dust From Material Movement	—	—	—	—	—	—	20	20	—	10	10	—	—	—	—	—	—	—
Onsite truck	0.08	0.03	1.1	0.61	< 0.005	0.01	236	236	0.01	24	24	—	599	599	0.05	0.10	0.03	629

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.6	1.3	12	12	0.02	0.52	—	0.52	0.48	—	0.48	—	2,219	2,219	0.09	0.02	—	2,226
Dust From Material Movement	—	—	—	—	—	—	8.2	8.2	—	4.2	4.2	—	—	—	—	—	—	—
Onsite truck	0.03	0.01	0.48	0.25	< 0.005	< 0.005	97	97	< 0.005	9.7	9.7	—	251	251	0.02	0.04	0.22	263
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	0.24	2.2	2.2	< 0.005	0.09	—	0.09	0.09	—	0.09	—	367	367	0.01	< 0.005	—	369
Dust From Material Movement	—	—	—	—	—	—	1.5	1.5	—	0.77	0.77	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.09	0.05	< 0.005	< 0.005	18	18	< 0.005	1.8	1.8	—	41	41	< 0.005	0.01	0.04	44
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.22	0.23	3.9	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	813	813	0.03	0.03	2.8	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	3.1	0.48	57	19	0.36	0.71	15	16	0.71	4.1	4.8	—	53,413	53,413	2.6	8.5	122	56,140
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.22	0.26	3.3	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	3.1	0.47	59	19	0.36	0.71	15	16	0.71	4.1	4.8	—	53,419	53,419	2.6	8.5	3.2	56,027
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.12	1.4	0.00	0.00	0.33	0.33	0.00	0.08	0.08	—	328	328	0.01	0.01	0.50	332
Vendor	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	131	131	0.01	0.02	0.15	136
Hauling	1.3	0.20	25	8.1	0.15	0.30	6.2	6.5	0.30	1.7	2.0	—	22,370	22,370	1.1	3.6	22	23,483
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.26	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	54	54	< 0.005	< 0.005	0.08	55
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	22	22	< 0.005	< 0.005	0.03	23
Hauling	0.24	0.04	4.6	1.5	0.03	0.05	1.1	1.2	0.05	0.31	0.36	—	3,704	3,704	0.18	0.59	3.6	3,888

3.2. 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 Equipment	3.7	3.1	29	29	0.05	1.2	—	1.2	1.1	—	1.1	—	5,298	5,298	0.21	0.04	—	5,316
Dust From Material Movement	—	—	—	—	—	—	7.7	7.7	—	3.9	3.9	—	—	—	—	—	—	—
Onsite truck	0.08	0.03	1.1	0.60	< 0.005	0.01	21	21	0.01	2.1	2.1	—	598	598	0.05	0.10	1.2	629
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	3.7	3.1	29	29	0.05	1.2	—	1.2	1.1	—	1.1	—	5,298	5,298	0.21	0.04	—	5,316
Dust From Material Movement	—	—	—	—	—	—	7.7	7.7	—	3.9	3.9	—	—	—	—	—	—	—
Onsite truck	0.08	0.03	1.1	0.61	< 0.005	0.01	21	21	0.01	2.1	2.1	—	599	599	0.05	0.10	0.03	629
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.6	1.3	12	12	0.02	0.52	—	0.52	0.48	—	0.48	—	2,219	2,219	0.09	0.02	—	2,226
Dust From Material Movement	—	—	—	—	—	—	3.2	3.2	—	1.7	1.7	—	—	—	—	—	—	—
Onsite truck	0.03	0.01	0.48	0.25	< 0.005	< 0.005	8.7	8.7	< 0.005	0.87	0.87	—	251	251	0.02	0.04	0.22	263
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	0.24	2.2	2.2	< 0.005	0.09	—	0.09	0.09	—	0.09	—	367	367	0.01	< 0.005	—	369
Dust From Material Movement	—	—	—	—	—	—	0.59	0.59	—	0.30	0.30	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.09	0.05	< 0.005	< 0.005	1.6	1.6	< 0.005	0.16	0.16	—	41	41	< 0.005	0.01	0.04	44
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.22	0.23	3.9	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	813	813	0.03	0.03	2.8	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	3.1	0.48	57	19	0.36	0.71	15	16	0.71	4.1	4.8	—	53,413	53,413	2.6	8.5	122	56,140
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.22	0.26	3.3	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	3.1	0.47	59	19	0.36	0.71	15	16	0.71	4.1	4.8	—	53,419	53,419	2.6	8.5	3.2	56,027
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.12	1.4	0.00	0.00	0.33	0.33	0.00	0.08	0.08	—	328	328	0.01	0.01	0.50	332
Vendor	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	131	131	0.01	0.02	0.15	136
Hauling	1.3	0.20	25	8.1	0.15	0.30	6.2	6.5	0.30	1.7	2.0	—	22,370	22,370	1.1	3.6	22	23,483
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.26	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	54	54	< 0.005	< 0.005	0.08	55
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	22	22	< 0.005	< 0.005	0.03	23
Hauling	0.24	0.04	4.6	1.5	0.03	0.05	1.1	1.2	0.05	0.31	0.36	—	3,704	3,704	0.18	0.59	3.6	3,888

3.3. Site Preparation (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	3.6	3.1	28	28	0.05	1.2	—	1.2	1.1	—	1.1	—	5,298	5,298	0.21	0.04	—	5,316

Dust From Material Movement	—	—	—	—	—	—	20	20	—	10	10	—	—	—	—	—	—	—
Onsite truck	0.08	0.03	1.1	0.60	< 0.005	0.01	236	236	0.01	24	24	—	587	587	0.05	0.10	0.03	617
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.44	0.44	< 0.005	0.02	—	0.02	0.02	—	0.02	—	83	83	< 0.005	< 0.005	—	83
Dust From Material Movement	—	—	—	—	—	—	0.31	0.31	—	0.16	0.16	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	3.6	3.6	< 0.005	0.36	0.36	—	9.2	9.2	< 0.005	< 0.005	0.01	9.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14	14	< 0.005	< 0.005	—	14
Dust From Material Movement	—	—	—	—	—	—	0.06	0.06	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.66	0.66	< 0.005	0.07	0.07	—	1.5	1.5	< 0.005	< 0.005	< 0.005	1.6
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.21	0.26	3.1	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	3.1	0.46	57	19	0.36	0.71	15	16	0.71	4.1	4.8	—	52,354	52,354	2.2	8.5	2.9	54,953
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	12	12	< 0.005	< 0.005	0.02	12
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.8	4.8	< 0.005	< 0.005	0.01	5.0
Hauling	0.05	0.01	0.91	0.29	0.01	0.01	0.23	0.24	0.01	0.06	0.07	—	820	820	0.04	0.13	0.77	861
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.0	2.0	< 0.005	< 0.005	< 0.005	2.0
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.79	0.79	< 0.005	< 0.005	< 0.005	0.83
Hauling	0.01	< 0.005	0.17	0.05	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	136	136	0.01	0.02	0.13	143

3.4. Site Preparation (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	3.6	3.1	28	28	0.05	1.2	—	1.2	1.1	—	1.1	—	5,298	5,298	0.21	0.04	—	5,316
Dust From Material Movement	—	—	—	—	—	—	7.7	7.7	—	3.9	3.9	—	—	—	—	—	—	—
Onsite truck	0.08	0.03	1.1	0.60	< 0.005	0.01	21	21	0.01	2.1	2.1	—	587	587	0.05	0.10	0.03	617

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.44	0.44	< 0.005	0.02	—	0.02	0.02	—	0.02	—	83	83	< 0.005	< 0.005	—	83
Dust From Material Movement	—	—	—	—	—	—	0.12	0.12	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.32	0.32	< 0.005	0.03	0.03	—	9.2	9.2	< 0.005	< 0.005	0.01	9.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14	14	< 0.005	< 0.005	—	14
Dust From Material Movement	—	—	—	—	—	—	0.02	0.02	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.06	0.06	< 0.005	0.01	0.01	—	1.5	1.5	< 0.005	< 0.005	< 0.005	1.6
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.21	0.26	3.1	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	3.1	0.46	57	19	0.36	0.71	15	16	0.71	4.1	4.8	—	52,354	52,354	2.2	8.5	2.9	54,953
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	12	12	< 0.005	< 0.005	0.02	12

Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.8	4.8	< 0.005	< 0.005	0.01	5.0
Hauling	0.05	0.01	0.91	0.29	0.01	0.01	0.23	0.24	0.01	0.06	0.07	—	820	820	0.04	0.13	0.77	861
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.0	2.0	< 0.005	< 0.005	< 0.005	2.0
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.79	0.79	< 0.005	< 0.005	< 0.005	0.83
Hauling	0.01	< 0.005	0.17	0.05	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	136	136	0.01	0.02	0.13	143

3.5. Grading (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	3.5	2.9	26	27	0.06	1.0	—	1.0	0.96	—	0.96	—	6,598	6,598	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	9.4	9.4	—	3.7	3.7	—	—	—	—	—	—	—
Onsite truck	0.08	0.03	1.1	0.59	< 0.005	0.01	236	236	0.01	24	24	—	586	586	0.05	0.10	1.1	617
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.5	2.9	26	27	0.06	1.0	—	1.0	0.96	—	0.96	—	6,598	6,598	0.27	0.05	—	6,621

Dust From Material Movement	—	—	—	—	—	—	9.4	9.4	—	3.7	3.7	—	—	—	—	—	—	—
Onsite truck	0.08	0.03	1.1	0.60	< 0.005	0.01	236	236	0.01	24	24	—	587	587	0.05	0.10	0.03	617
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.2	0.97	8.4	9.0	0.02	0.34	—	0.34	0.32	—	0.32	—	2,169	2,169	0.09	0.02	—	2,177
Dust From Material Movement	—	—	—	—	—	—	3.1	3.1	—	1.2	1.2	—	—	—	—	—	—	—
Onsite truck	0.03	0.01	0.37	0.20	< 0.005	< 0.005	76	76	< 0.005	7.6	7.6	—	193	193	0.02	0.03	0.16	203
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.18	1.5	1.6	< 0.005	0.06	—	0.06	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	14	14	< 0.005	1.4	1.4	—	32	32	< 0.005	0.01	0.03	34
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.21	0.21	3.6	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	797	797	0.03	0.03	2.5	809
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	1.4	0.24	25	8.7	0.16	0.31	6.5	6.8	0.31	1.8	2.1	—	22,989	22,989	1.0	3.7	50	24,179

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.21	0.26	3.1	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	1.4	0.23	26	8.8	0.16	0.31	6.5	6.8	0.31	1.8	2.1	—	22,993	22,993	1.0	3.7	1.3	24,135
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.09	1.1	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	252	252	< 0.005	0.01	0.35	255
Vendor	0.01	< 0.005	0.11	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	101	101	< 0.005	0.01	0.11	105
Hauling	0.47	0.08	8.6	2.9	0.05	0.10	2.1	2.2	0.10	0.58	0.68	—	7,559	7,559	0.33	1.2	7.1	7,940
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.02	0.19	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	42	42	< 0.005	< 0.005	0.06	42
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	17	17	< 0.005	< 0.005	0.02	17
Hauling	0.09	0.01	1.6	0.53	0.01	0.02	0.39	0.41	0.02	0.11	0.12	—	1,251	1,251	0.06	0.20	1.2	1,315

3.6. Grading (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	3.5	2.9	26	27	0.06	1.0	—	1.0	0.96	—	0.96	—	6,598	6,598	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	3.7	3.7	—	1.4	1.4	—	—	—	—	—	—	—

Onsite truck	0.08	0.03	1.1	0.59	< 0.005	0.01	21	21	0.01	2.1	2.1	—	586	586	0.05	0.10	1.1	617
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.5	2.9	26	27	0.06	1.0	—	1.0	0.96	—	0.96	—	6,598	6,598	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	3.7	3.7	—	1.4	1.4	—	—	—	—	—	—	—
Onsite truck	0.08	0.03	1.1	0.60	< 0.005	0.01	21	21	0.01	2.1	2.1	—	587	587	0.05	0.10	0.03	617
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.2	0.97	8.4	9.0	0.02	0.34	—	0.34	0.32	—	0.32	—	2,169	2,169	0.09	0.02	—	2,177
Dust From Material Movement	—	—	—	—	—	—	1.2	1.2	—	0.47	0.47	—	—	—	—	—	—	—
Onsite truck	0.03	0.01	0.37	0.20	< 0.005	< 0.005	6.8	6.8	< 0.005	0.68	0.69	—	193	193	0.02	0.03	0.16	203
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.18	1.5	1.6	< 0.005	0.06	—	0.06	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	1.2	1.2	< 0.005	0.12	0.13	—	32	32	< 0.005	0.01	0.03	34

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.21	0.21	3.6	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	797	797	0.03	0.03	2.5	809
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	1.4	0.24	25	8.7	0.16	0.31	6.5	6.8	0.31	1.8	2.1	—	22,989	22,989	1.0	3.7	50	24,179
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.21	0.26	3.1	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	1.4	0.23	26	8.8	0.16	0.31	6.5	6.8	0.31	1.8	2.1	—	22,993	22,993	1.0	3.7	1.3	24,135
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.09	1.1	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	252	252	< 0.005	0.01	0.35	255
Vendor	0.01	< 0.005	0.11	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	101	101	< 0.005	0.01	0.11	105
Hauling	0.47	0.08	8.6	2.9	0.05	0.10	2.1	2.2	0.10	0.58	0.68	—	7,559	7,559	0.33	1.2	7.1	7,940
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.02	0.19	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	42	42	< 0.005	< 0.005	0.06	42
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	17	17	< 0.005	< 0.005	0.02	17
Hauling	0.09	0.01	1.6	0.53	0.01	0.02	0.39	0.41	0.02	0.11	0.12	—	1,251	1,251	0.06	0.20	1.2	1,315

3.7. Building Construction (2027) - Unmitigated

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

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

Off-Road	1.2	1.0	9.4	13	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	59	59	< 0.005	5.9	5.9	—	147	147	0.01	0.02	0.28	154
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.2	1.0	9.4	13	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	59	59	< 0.005	5.9	5.9	—	147	147	0.01	0.02	0.01	154
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.38	3.5	4.8	0.01	0.12	—	0.12	0.11	—	0.11	—	887	887	0.04	0.01	—	890
Onsite truck	0.01	< 0.005	0.10	0.06	< 0.005	< 0.005	21	21	< 0.005	2.1	2.1	—	54	54	< 0.005	0.01	0.05	57
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.63	0.87	< 0.005	0.02	—	0.02	0.02	—	0.02	—	147	147	0.01	< 0.005	—	147
Onsite truck	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	3.9	3.9	< 0.005	0.39	0.39	—	9.0	9.0	< 0.005	< 0.005	0.01	9.4
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.48	0.43	0.41	7.2	0.00	0.00	1.6	1.6	0.00	0.37	0.37	—	1,595	1,595	0.07	0.06	5.0	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	1.6	0.63	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,333	1,333	0.07	0.22	2.8	1,403

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.48	0.42	0.52	6.1	0.00	0.00	1.6	1.6	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	1.6	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	2.4	0.00	0.00	0.58	0.58	0.00	0.14	0.14	—	567	567	0.01	0.02	0.79	575
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	45	45	< 0.005	0.01	0.05	47
Hauling	0.04	0.01	0.62	0.23	< 0.005	0.01	0.14	0.14	0.01	0.04	0.04	—	493	493	0.02	0.08	0.45	518
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.43	0.00	0.00	0.11	0.11	0.00	0.02	0.02	—	94	94	< 0.005	< 0.005	0.13	95
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.5	7.5	< 0.005	< 0.005	0.01	7.8
Hauling	0.01	< 0.005	0.11	0.04	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	—	82	82	< 0.005	0.01	0.08	86

3.8. Building Construction (2027) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.2	1.0	9.4	13	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	5.3	5.3	< 0.005	0.53	0.53	—	147	147	0.01	0.02	0.28	154
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	1.2	1.0	9.4	13	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	5.3	5.3	< 0.005	0.53	0.53	—	147	147	0.01	0.02	0.01	154
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.46	0.38	3.5	4.8	0.01	0.12	—	0.12	0.11	—	0.11	—	887	887	0.04	0.01	—	890
Onsite truck	0.01	< 0.005	0.10	0.06	< 0.005	< 0.005	1.9	1.9	< 0.005	0.19	0.19	—	54	54	< 0.005	0.01	0.05	57
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.08	0.07	0.63	0.87	< 0.005	0.02	—	0.02	0.02	—	0.02	—	147	147	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	0.04	0.04	—	9.0	9.0	< 0.005	< 0.005	0.01	9.4
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.48	0.43	0.41	7.2	0.00	0.00	1.6	1.6	0.00	0.37	0.37	—	1,595	1,595	0.07	0.06	5.0	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	1.6	0.63	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,333	1,333	0.07	0.22	2.8	1,403
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.48	0.42	0.52	6.1	0.00	0.00	1.6	1.6	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	1.6	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	2.4	0.00	0.00	0.58	0.58	0.00	0.14	0.14	—	567	567	0.01	0.02	0.79	575
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	45	45	< 0.005	0.01	0.05	47
Hauling	0.04	0.01	0.62	0.23	< 0.005	0.01	0.14	0.14	0.01	0.04	0.04	—	493	493	0.02	0.08	0.45	518
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.43	0.00	0.00	0.11	0.11	0.00	0.02	0.02	—	94	94	< 0.005	< 0.005	0.13	95
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.5	7.5	< 0.005	< 0.005	0.01	7.8
Hauling	0.01	< 0.005	0.11	0.04	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	—	82	82	< 0.005	0.01	0.08	86

3.9. Building Construction (2028) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.2	0.99	8.9	13	0.02	0.30	—	0.30	0.28	—	0.28	—	2,397	2,397	0.10	0.02	—	2,406
Onsite truck	0.02	0.01	0.27	0.15	< 0.005	< 0.005	59	59	< 0.005	5.9	5.9	—	144	144	0.01	0.02	0.01	151
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.18	1.6	2.3	< 0.005	0.05	—	0.05	0.05	—	0.05	—	427	427	0.02	< 0.005	—	428
Onsite truck	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	10	10	< 0.005	1.0	1.0	—	26	26	< 0.005	< 0.005	0.02	27
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.04	0.03	0.29	0.42	< 0.005	0.01	—	0.01	0.01	—	0.01	—	71	71	< 0.005	< 0.005	—	71
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	1.9	1.9	< 0.005	0.19	0.19	—	4.2	4.2	< 0.005	< 0.005	< 0.005	4.4
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.46	0.41	0.47	5.8	0.00	0.00	1.6	1.6	0.00	0.37	0.37	—	1,485	1,485	0.02	0.06	0.12	1,502
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	120	120	< 0.005	0.02	0.01	125
Hauling	0.09	0.02	1.6	0.62	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,304	1,304	0.07	0.21	0.07	1,368
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.08	1.1	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	268	268	< 0.005	0.01	0.34	272
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	21	21	< 0.005	< 0.005	0.02	22
Hauling	0.02	< 0.005	0.29	0.11	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	232	232	0.01	0.04	0.20	244
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.02	0.20	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	44	44	< 0.005	< 0.005	0.06	45
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.5	3.5	< 0.005	< 0.005	< 0.005	3.7
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	38	38	< 0.005	0.01	0.03	40

3.10. Building Construction (2028) - Mitigated

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

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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.2	0.99	8.9	13	0.02	0.30	—	0.30	0.28	—	0.28	—	2,397	2,397	0.10	0.02	—	2,406
Onsite truck	0.02	0.01	0.27	0.15	< 0.005	< 0.005	5.3	5.3	< 0.005	0.53	0.53	—	144	144	0.01	0.02	0.01	151
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.18	1.6	2.3	< 0.005	0.05	—	0.05	0.05	—	0.05	—	427	427	0.02	< 0.005	—	428
Onsite truck	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	0.92	0.92	< 0.005	0.09	0.09	—	26	26	< 0.005	< 0.005	0.02	27
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.29	0.42	< 0.005	0.01	—	0.01	0.01	—	0.01	—	71	71	< 0.005	< 0.005	—	71
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.17	0.17	< 0.005	0.02	0.02	—	4.2	4.2	< 0.005	< 0.005	< 0.005	4.4
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.46	0.41	0.47	5.8	0.00	0.00	1.6	1.6	0.00	0.37	0.37	—	1,485	1,485	0.02	0.06	0.12	1,502
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	120	120	< 0.005	0.02	0.01	125
Hauling	0.09	0.02	1.6	0.62	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,304	1,304	0.07	0.21	0.07	1,368
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.08	0.07	0.08	1.1	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	268	268	< 0.005	0.01	0.34	272
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	21	21	< 0.005	< 0.005	0.02	22
Hauling	0.02	< 0.005	0.29	0.11	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	232	232	0.01	0.04	0.20	244
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.02	0.20	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	44	44	< 0.005	< 0.005	0.06	45
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.5	3.5	< 0.005	< 0.005	< 0.005	3.7
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	38	38	< 0.005	0.01	0.03	40

3.11. Substation-Electrical (2028) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.2	1.0	9.5	14	0.03	0.31	—	0.31	0.29	—	0.29	—	2,589	2,589	0.11	0.02	—	2,598
Onsite truck	0.02	0.01	0.26	0.15	< 0.005	< 0.005	59	59	< 0.005	5.9	5.9	—	143	143	0.01	0.02	0.26	151
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.52	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	0.01	0.01	< 0.005	< 0.005	3.2	3.2	< 0.005	0.32	0.32	—	7.9	7.9	< 0.005	< 0.005	0.01	8.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.01	0.01	0.10	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	23	23	< 0.005	< 0.005	—	24
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.58	0.58	< 0.005	0.06	0.06	—	1.3	1.3	< 0.005	< 0.005	< 0.005	1.4
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.10	0.10	1.7	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	392	392	< 0.005	0.01	1.1	397
Vendor	0.02	0.01	0.31	0.15	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	299	299	0.01	0.04	0.76	312
Hauling	0.09	0.02	1.5	0.61	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,304	1,304	0.07	0.21	2.6	1,370
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	21	21	< 0.005	< 0.005	0.03	21
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	16	16	< 0.005	< 0.005	0.02	17
Hauling	< 0.005	< 0.005	0.09	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	71	71	< 0.005	0.01	0.06	75
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.4	3.4	< 0.005	< 0.005	< 0.005	3.5
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.7	2.7	< 0.005	< 0.005	< 0.005	2.8
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12	12	< 0.005	< 0.005	0.01	12

3.12. Substation-Electrical (2028) - Mitigated

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

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

Off-Roa Equipment	1.2	1.0	9.5	14	0.03	0.31	—	0.31	0.29	—	0.29	—	2,589	2,589	0.11	0.02	—	2,598
Onsite truck	0.02	0.01	0.26	0.15	< 0.005	< 0.005	5.3	5.3	< 0.005	0.53	0.53	—	143	143	0.01	0.02	0.26	151
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.07	0.06	0.52	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	0.01	0.01	< 0.005	< 0.005	0.28	0.28	< 0.005	0.03	0.03	—	7.9	7.9	< 0.005	< 0.005	0.01	8.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.01	0.01	0.10	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	23	23	< 0.005	< 0.005	—	24
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	1.3	1.3	< 0.005	< 0.005	< 0.005	1.4
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.10	0.10	1.7	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	392	392	< 0.005	0.01	1.1	397
Vendor	0.02	0.01	0.31	0.15	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	299	299	0.01	0.04	0.76	312
Hauling	0.09	0.02	1.5	0.61	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,304	1,304	0.07	0.21	2.6	1,370
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	21	21	< 0.005	< 0.005	0.03	21

Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	16	16	< 0.005	< 0.005	0.02	17
Hauling	< 0.005	< 0.005	0.09	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	71	71	< 0.005	0.01	0.06	75
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.4	3.4	< 0.005	< 0.005	< 0.005	3.5
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.7	2.7	< 0.005	< 0.005	< 0.005	2.8
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12	12	< 0.005	< 0.005	0.01	12

3.13. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.88	0.74	6.9	10.0	0.01	0.30	—	0.30	0.27	—	0.27	—	1,511	1,511	0.06	0.01	—	1,516
Paving	3.3	3.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.02	0.01	0.27	0.15	< 0.005	< 0.005	59	59	< 0.005	5.9	5.9	—	147	147	0.01	0.02	0.28	154
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	1.1	1.6	< 0.005	0.05	—	0.05	0.05	—	0.05	—	248	248	0.01	< 0.005	—	249
Paving	0.53	0.53	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	9.5	9.5	< 0.005	0.95	0.95	—	24	24	< 0.005	< 0.005	0.02	25

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.21	0.30	< 0.005	0.01	—	0.01	0.01	—	0.01	—	41	41	< 0.005	< 0.005	—	41
Paving	0.10	0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	1.7	1.7	< 0.005	0.17	0.17	—	4.0	4.0	< 0.005	< 0.005	< 0.005	4.2
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.21	0.21	3.6	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	797	797	0.03	0.03	2.5	809
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	1.6	0.63	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,333	1,333	0.07	0.22	2.8	1,403
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.04	0.53	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	126	126	< 0.005	< 0.005	0.18	128
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	50	50	< 0.005	0.01	0.06	52
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	0.01	0.01	0.01	0.10	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	21	21	< 0.005	< 0.005	0.03	21
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.3	8.3	< 0.005	< 0.005	0.01	8.7
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	36	36	< 0.005	0.01	0.03	38

3.14. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.88	0.74	6.9	10.0	0.01	0.30	—	0.30	0.27	—	0.27	—	1,511	1,511	0.06	0.01	—	1,516
Paving	3.3	3.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.02	0.01	0.27	0.15	< 0.005	< 0.005	5.3	5.3	< 0.005	0.53	0.53	—	147	147	0.01	0.02	0.28	154
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	1.1	1.6	< 0.005	0.05	—	0.05	0.05	—	0.05	—	248	248	0.01	< 0.005	—	249
Paving	0.53	0.53	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	24	< 0.005	< 0.005	0.02	25
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.21	0.30	< 0.005	0.01	—	0.01	0.01	—	0.01	—	41	41	< 0.005	< 0.005	—	41
Paving	0.10	0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.16	0.16	< 0.005	0.02	0.02	—	4.0	4.0	< 0.005	< 0.005	< 0.005	4.2
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.24	0.21	0.21	3.6	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	797	797	0.03	0.03	2.5	809
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	1.6	0.63	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,333	1,333	0.07	0.22	2.8	1,403
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.04	0.53	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	126	126	< 0.005	< 0.005	0.18	128
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	50	50	< 0.005	0.01	0.06	52
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	0.01	0.01	0.01	0.10	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	21	21	< 0.005	< 0.005	0.03	21
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.3	8.3	< 0.005	< 0.005	0.01	8.7
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	36	36	< 0.005	0.01	0.03	38

3.15. Architectural Coating (2027) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	0.34	2.5	3.4	0.01	0.06	—	0.06	0.05	—	0.05	—	401	401	0.02	< 0.005	—	402

Architectural Coating	15	15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.02	0.01	0.28	0.15	< 0.005	< 0.005	59	59	< 0.005	5.9	5.9	—	147	147	0.01	0.02	0.01	154
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.41	0.55	< 0.005	0.01	—	0.01	0.01	—	0.01	—	66	66	< 0.005	< 0.005	—	66
Architectural Coatings	2.4	2.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	9.5	9.5	< 0.005	0.95	0.95	—	24	24	< 0.005	< 0.005	0.02	25
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11	11	< 0.005	< 0.005	—	11
Architectural Coatings	0.44	0.44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	1.7	1.7	< 0.005	0.17	0.17	—	4.0	4.0	< 0.005	< 0.005	< 0.005	4.2
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.10	0.13	1.5	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	378	378	0.01	0.01	0.03	382
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	1.6	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	0.02	0.02	0.02	0.26	0.00	0.00	0.06	0.06	0.00	0.02	0.02	—	63	63	< 0.005	< 0.005	0.09	64
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	50	50	< 0.005	0.01	0.06	52
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	10	< 0.005	< 0.005	0.01	11
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.3	8.3	< 0.005	< 0.005	0.01	8.7
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	36	36	< 0.005	0.01	0.03	38

3.16. Architectural Coating (2027) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	0.34	2.5	3.4	0.01	0.06	—	0.06	0.05	—	0.05	—	401	401	0.02	< 0.005	—	402
Architectural Coatings	15	15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.02	0.01	0.28	0.15	< 0.005	< 0.005	5.3	5.3	< 0.005	0.53	0.53	—	147	147	0.01	0.02	0.01	154
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.07	0.06	0.41	0.55	< 0.005	0.01	—	0.01	0.01	—	0.01	—	66	66	< 0.005	< 0.005	—	66
Architectural Coatings	2.4	2.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	24	< 0.005	< 0.005	0.02	25
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11	11	< 0.005	< 0.005	—	11
Architectural Coatings	0.44	0.44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.16	0.16	< 0.005	0.02	0.02	—	4.0	4.0	< 0.005	< 0.005	< 0.005	4.2
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.10	0.13	1.5	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	378	378	0.01	0.01	0.03	382
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	1.6	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	0.02	0.02	0.02	0.26	0.00	0.00	0.06	0.06	0.00	0.02	0.02	—	63	63	< 0.005	< 0.005	0.09	64
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	50	50	< 0.005	0.01	0.06	52
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	10	< 0.005	< 0.005	0.01	11
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.3	8.3	< 0.005	< 0.005	0.01	8.7
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	36	36	< 0.005	0.01	0.03	38

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	6/1/2026	1/8/2027	5.0	160	—
Grading	Grading	1/9/2027	6/25/2027	5.0	120	—
Building Construction	Building Construction	6/26/2027	3/31/2028	5.0	200	—
Substation-Electrical	Building Construction	4/1/2028	4/28/2028	5.0	20	—
Paving	Paving	6/30/2027	9/21/2027	5.0	60	—
Architectural Coating	Architectural Coating	10/8/2027	12/30/2027	5.0	60	—

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	3.0	8.0	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.0	8.0	84	0.37
Grading	Graders	Diesel	Average	1.00	8.0	148	0.41
Grading	Excavators	Diesel	Average	2.0	8.0	36	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.0	8.0	84	0.37
Grading	Scrapers	Diesel	Average	2.0	8.0	423	0.48
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.0	367	0.40
Building Construction	Forklifts	Diesel	Average	3.0	8.0	82	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.0	14	0.74
Building Construction	Cranes	Diesel	Average	1.00	7.0	367	0.29
Building Construction	Welders	Diesel	Average	1.00	8.0	46	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.0	7.0	84	0.37
Substation-Electrical	Forklifts	Diesel	Average	3.0	8.0	82	0.20
Substation-Electrical	Generator Sets	Diesel	Average	1.00	8.0	14	0.74
Substation-Electrical	Cranes	Diesel	Average	1.00	7.0	367	0.29
Substation-Electrical	Welders	Diesel	Average	1.00	8.0	46	0.45
Substation-Electrical	Tractors/Loaders/Backhoes	Diesel	Average	3.0	7.0	84	0.37
Substation-Electrical	Bore/Drill Rigs	Diesel	Average	1.00	4.0	83	0.50
Paving	Pavers	Diesel	Average	2.0	8.0	81	0.42
Paving	Paving Equipment	Diesel	Average	2.0	8.0	89	0.36
Paving	Rollers	Diesel	Average	2.0	8.0	36	0.38

Architectural Coating	Air Compressors	Diesel	Average	3.0	6.0	37	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	3.0	8.0	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.0	8.0	84	0.37
Grading	Graders	Diesel	Average	1.00	8.0	148	0.41
Grading	Excavators	Diesel	Average	2.0	8.0	36	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.0	8.0	84	0.37
Grading	Scrapers	Diesel	Average	2.0	8.0	423	0.48
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.0	367	0.40
Building Construction	Forklifts	Diesel	Average	3.0	8.0	82	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.0	14	0.74
Building Construction	Cranes	Diesel	Average	1.00	7.0	367	0.29
Building Construction	Welders	Diesel	Average	1.00	8.0	46	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.0	7.0	84	0.37
Substation-Electrical	Forklifts	Diesel	Average	3.0	8.0	82	0.20
Substation-Electrical	Generator Sets	Diesel	Average	1.00	8.0	14	0.74
Substation-Electrical	Cranes	Diesel	Average	1.00	7.0	367	0.29
Substation-Electrical	Welders	Diesel	Average	1.00	8.0	46	0.45
Substation-Electrical	Tractors/Loaders/Backhoes	Diesel	Average	3.0	7.0	84	0.37
Substation-Electrical	Bore/Drill Rigs	Diesel	Average	1.00	4.0	83	0.50
Paving	Pavers	Diesel	Average	2.0	8.0	81	0.42
Paving	Paving Equipment	Diesel	Average	2.0	8.0	89	0.36
Paving	Rollers	Diesel	Average	2.0	8.0	36	0.38

Architectural Coating	Air Compressors	Diesel	Average	3.0	6.0	37	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	Worker	60	19	LDA,LDT1,LDT2
Site Preparation	Vendor	10.0	10	HHDT,MHDT
Site Preparation	Hauling	200	80	HHDT
Site Preparation	Onsite truck	40	4.0	HHDT
Grading	Worker	60	19	LDA,LDT1,LDT2
Grading	Vendor	10.0	10	HHDT,MHDT
Grading	Hauling	140	50	HHDT
Grading	Onsite truck	40	4.0	HHDT
Building Construction	Worker	120	19	LDA,LDT1,LDT2
Building Construction	Vendor	4.0	10	HHDT,MHDT
Building Construction	Hauling	20	20	HHDT
Building Construction	Onsite truck	10.0	4.0	HHDT
Substation-Electrical	Worker	30	19	LDA,LDT1,LDT2
Substation-Electrical	Vendor	10.0	10	HHDT,MHDT
Substation-Electrical	Hauling	20	20	HHDT
Substation-Electrical	Onsite truck	10.0	4.0	HHDT
Paving	Worker	60	19	LDA,LDT1,LDT2
Paving	Vendor	10.0	10	HHDT,MHDT
Paving	Hauling	20	20	HHDT
Paving	Onsite truck	10.0	4.0	HHDT
Architectural Coating	Worker	30	19	LDA,LDT1,LDT2
Architectural Coating	Vendor	10.0	10	HHDT,MHDT

Architectural Coating	Hauling	20	20	HHDT
Architectural Coating	Onsite truck	10.0	4.0	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	Worker	60	19	LDA,LDT1,LDT2
Site Preparation	Vendor	10.0	10	HHDT,MHDT
Site Preparation	Hauling	200	80	HHDT
Site Preparation	Onsite truck	40	4.0	HHDT
Grading	Worker	60	19	LDA,LDT1,LDT2
Grading	Vendor	10.0	10	HHDT,MHDT
Grading	Hauling	140	50	HHDT
Grading	Onsite truck	40	4.0	HHDT
Building Construction	Worker	120	19	LDA,LDT1,LDT2
Building Construction	Vendor	4.0	10	HHDT,MHDT
Building Construction	Hauling	20	20	HHDT
Building Construction	Onsite truck	10.0	4.0	HHDT
Substation-Electrical	Worker	30	19	LDA,LDT1,LDT2
Substation-Electrical	Vendor	10.0	10	HHDT,MHDT
Substation-Electrical	Hauling	20	20	HHDT
Substation-Electrical	Onsite truck	10.0	4.0	HHDT
Paving	Worker	60	19	LDA,LDT1,LDT2
Paving	Vendor	10.0	10	HHDT,MHDT
Paving	Hauling	20	20	HHDT
Paving	Onsite truck	10.0	4.0	HHDT
Architectural Coating	Worker	30	19	LDA,LDT1,LDT2
Architectural Coating	Vendor	10.0	10	HHDT,MHDT
Architectural Coating	Hauling	20	20	HHDT

Architectural Coating	Onsite truck	10.0	4.0	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	190,793

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	0.00
Grading	—	270,000	468	0.00	0.00
Paving	0.00	0.00	0.00	0.00	74

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Phase Name	Land Use	Area Paved (acres)	% Asphalt
Paving	Parking Lot	73	100%
Paving	General Light Industry	0.00	0%
Paving	Enclosed Parking Structure	1.5	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00	690	0.05	0.01
2027	0.00	690	0.05	0.01
2028	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	5.8	annual days of extreme heat
Extreme Precipitation	4.3	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	17
AQ-PM	68
AQ-DPM	100
Drinking Water	42
Lead Risk Housing	—
Pesticides	0.00
Toxic Releases	94
Traffic	64
Effect Indicators	—
CleanUp Sites	100
Groundwater	100
Haz Waste Facilities/Generators	99
Impaired Water Bodies	98
Solid Waste	97
Sensitive Population	—
Asthma	93
Cardio-vascular	62
Low Birth Weights	—
Socioeconomic Factor Indicators	—
Education	34
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

8.1. Justifications

Screen	Justification
Characteristics: Project Details	POLA Terminal Island MSF - Construction Only
Land Use	80 acre site, 73 acres paved asphalt, with new construction of four canopies and welfare facilities.
Construction: Construction Phases	Approx. 24-mo construction schedule. Substation added July 2024.
Construction: Off-Road Equipment	Fleet forecast updated July 2024. Tracked dozers or excavators may be alternatives.
Construction: Dust From Material Movement	Regrade 60,000 cy and export 270,000 cy of material.
Construction: Trips and VMT	Site preparation includes up to 100 round-trip trucks or 200 one-way HHDT trips daily for material export. Site prep one-way hauling trip lengths based on mix of destinations: (20 percent x 200 miles one-way to Buttonwillow or Kettleman Hills) + (80 percent x 50 miles to non-hazardous disposal site) = 80 miles average. Peak days of up to 60 workers or 120 one-way worker trips daily.
Construction: Architectural Coatings	80 acre site, 73 paved asphalt - 6% of paved area may be coated.

TIMSF - Opening Year 2029 Detailed Report

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8.1. Justifications

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	TIMSF - Opening Year 2029
Operational Year	2029
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.5
Precipitation (days)	7.2
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	2022.1.1.35

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	Acre	73	0.00	0.00	0.00	—	—

General Light Industry	4.4	1000sqft	0.10	4,400	0.00	0.00	—	Welfare buildings
General Office Building	2.9	1000sqft	0.07	2,900	400	0.00	—	750 Eldridge existing
Enclosed Parking Structure	64	1000sqft	1.5	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.	3.9	3.7	11	111	0.21	0.40	1.9	2.3	0.40	0.48	0.88	7.3	23,909	23,917	1.8	0.26	6.1	24,044
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.3	3.2	11	107	0.21	0.39	1.9	2.3	0.39	0.48	0.88	7.3	23,814	23,821	1.8	0.26	1.3	23,944
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.1	3.0	7.7	80	0.15	0.29	1.8	2.1	0.29	0.46	0.75	7.3	17,957	17,964	1.5	0.21	3.2	18,068

Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.56	0.54	1.4	15	0.03	0.05	0.33	0.38	0.05	0.08	0.14	1.2	2,973	2,974	0.25	0.03	0.53	2,991

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	0.71	0.62	0.56	7.1	0.02	0.01	1.9	1.9	0.01	0.48	0.49	—	1,980	1,980	0.08	0.07	5.0	2,008
Area	1.2	1.2	0.03	3.1	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	13	13	< 0.005	< 0.005	—	13
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	—	—	—	—	—	—	—	—	—	—	—	2.9	20	23	0.30	0.01	—	32
Waste	—	—	—	—	—	—	—	—	—	—	—	4.4	0.00	4.4	0.44	0.00	—	15
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.2	1.2
Off-Road	1.9	1.9	9.9	101	0.19	0.38	—	0.38	0.38	—	0.38	—	20,184	20,184	0.82	0.16	—	20,254
Total	3.9	3.7	11	111	0.21	0.40	1.9	2.3	0.40	0.48	0.88	7.3	23,909	23,917	1.8	0.26	6.1	24,044
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.70	0.62	0.61	6.4	0.02	0.01	1.9	1.9	0.01	0.48	0.49	—	1,898	1,898	0.08	0.07	0.13	1,921
Area	0.68	0.68	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	—	—	—	—	—	—	—	—	—	—	—	2.9	20	23	0.30	0.01	—	32
Waste	—	—	—	—	—	—	—	—	—	—	—	4.4	0.00	4.4	0.44	0.00	—	15
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.2	1.2
Off-Road	1.9	1.9	9.9	101	0.19	0.38	—	0.38	0.38	—	0.38	—	20,184	20,184	0.82	0.16	—	20,254
Total	3.3	3.2	11	107	0.21	0.39	1.9	2.3	0.39	0.48	0.88	7.3	23,814	23,821	1.8	0.26	1.3	23,944

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.67	0.59	0.59	6.3	0.02	0.01	1.8	1.8	0.01	0.46	0.47	—	1,838	1,838	0.08	0.07	2.1	1,863
Area	1.1	1.0	0.02	2.1	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.7	8.7	< 0.005	< 0.005	—	8.8
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	—	—	—	—	—	—	—	—	—	—	—	2.9	20	23	0.30	0.01	—	32
Waste	—	—	—	—	—	—	—	—	—	—	—	4.4	0.00	4.4	0.44	0.00	—	15
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.2	1.2
Off-Road	1.4	1.4	7.1	72	0.13	0.27	—	0.27	0.27	—	0.27	—	14,378	14,378	0.58	0.12	—	14,427
Total	3.1	3.0	7.7	80	0.15	0.29	1.8	2.1	0.29	0.46	0.75	7.3	17,957	17,964	1.5	0.21	3.2	18,068
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.12	0.11	0.11	1.2	< 0.005	< 0.005	0.33	0.33	< 0.005	0.08	0.09	—	304	304	0.01	0.01	0.34	308
Area	0.19	0.19	< 0.005	0.39	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.4	1.4	< 0.005	< 0.005	—	1.5
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	3.3	3.8	0.05	< 0.005	—	5.4
Waste	—	—	—	—	—	—	—	—	—	—	—	0.73	0.00	0.73	0.07	0.00	—	2.5
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19
Off-Road	0.25	0.25	1.3	13	0.02	0.05	—	0.05	0.05	—	0.05	—	2,380	2,380	0.10	0.02	—	2,389
Total	0.56	0.54	1.4	15	0.03	0.05	0.33	0.38	0.05	0.08	0.14	1.2	2,973	2,974	0.25	0.03	0.53	2,991

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	0.71	0.62	0.56	7.1	0.02	0.01	1.9	1.9	0.01	0.48	0.49	—	1,980	1,980	0.08	0.07	5.0	2,008
Area	1.2	1.2	0.03	3.1	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	13	13	< 0.005	< 0.005	—	13

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	—	—	—	—	—	—	—	—	—	—	—	2.9	20	23	0.30	0.01	—	32
Waste	—	—	—	—	—	—	—	—	—	—	—	4.4	0.00	4.4	0.44	0.00	—	15
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.2	1.2
Off-Road	1.9	1.9	9.9	101	0.19	0.38	—	0.38	0.38	—	0.38	—	20,184	20,184	0.82	0.16	—	20,254
Total	3.9	3.7	11	111	0.21	0.40	1.9	2.3	0.40	0.48	0.88	7.3	23,909	23,917	1.8	0.26	6.1	24,044
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.70	0.62	0.61	6.4	0.02	0.01	1.9	1.9	0.01	0.48	0.49	—	1,898	1,898	0.08	0.07	0.13	1,921
Area	0.68	0.68	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	—	—	—	—	—	—	—	—	—	—	—	2.9	20	23	0.30	0.01	—	32
Waste	—	—	—	—	—	—	—	—	—	—	—	4.4	0.00	4.4	0.44	0.00	—	15
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.2	1.2
Off-Road	1.9	1.9	9.9	101	0.19	0.38	—	0.38	0.38	—	0.38	—	20,184	20,184	0.82	0.16	—	20,254
Total	3.3	3.2	11	107	0.21	0.39	1.9	2.3	0.39	0.48	0.88	7.3	23,814	23,821	1.8	0.26	1.3	23,944
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.67	0.59	0.59	6.3	0.02	0.01	1.8	1.8	0.01	0.46	0.47	—	1,838	1,838	0.08	0.07	2.1	1,863
Area	1.1	1.0	0.02	2.1	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.7	8.7	< 0.005	< 0.005	—	8.8
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	—	—	—	—	—	—	—	—	—	—	—	2.9	20	23	0.30	0.01	—	32
Waste	—	—	—	—	—	—	—	—	—	—	—	4.4	0.00	4.4	0.44	0.00	—	15
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.2	1.2
Off-Road	1.4	1.4	7.1	72	0.13	0.27	—	0.27	0.27	—	0.27	—	14,378	14,378	0.58	0.12	—	14,427
Total	3.1	3.0	7.7	80	0.15	0.29	1.8	2.1	0.29	0.46	0.75	7.3	17,957	17,964	1.5	0.21	3.2	18,068
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile	0.12	0.11	0.11	1.2	< 0.005	< 0.005	0.33	0.33	< 0.005	0.08	0.09	—	304	304	0.01	0.01	0.34	308
Area	0.19	0.19	< 0.005	0.39	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.4	1.4	< 0.005	< 0.005	—	1.5
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	3.3	3.8	0.05	< 0.005	—	5.4
Waste	—	—	—	—	—	—	—	—	—	—	—	0.73	0.00	0.73	0.07	0.00	—	2.5
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19
Off-Road	0.25	0.25	1.3	13	0.02	0.05	—	0.05	0.05	—	0.05	—	2,380	2,380	0.10	0.02	—	2,389
Total	0.56	0.54	1.4	15	0.03	0.05	0.33	0.38	0.05	0.08	0.14	1.2	2,973	2,974	0.25	0.03	0.53	2,991

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	0.59	0.52	0.46	5.9	0.02	0.01	1.6	1.6	0.01	0.40	0.41	—	1,633	1,633	0.06	0.06	4.1	1,656
General Office Building	0.11	0.10	0.09	1.2	< 0.005	< 0.005	0.33	0.34	< 0.005	0.08	0.09	—	348	348	0.01	0.01	0.88	352

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	0.71	0.62	0.56	7.1	0.02	0.01	1.9	1.9	0.01	0.48	0.49	—	1,980	1,980	0.08	0.07	5.0	2,008
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	0.59	0.52	0.51	5.3	0.02	0.01	1.6	1.6	0.01	0.40	0.41	—	1,565	1,565	0.07	0.06	0.11	1,584
General Office Building	0.11	0.10	0.10	1.1	< 0.005	< 0.005	0.33	0.34	< 0.005	0.08	0.09	—	333	333	0.01	0.01	0.02	337
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	0.70	0.62	0.61	6.4	0.02	0.01	1.9	1.9	0.01	0.48	0.49	—	1,898	1,898	0.08	0.07	0.13	1,921
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	0.11	0.09	0.09	1.00	< 0.005	< 0.005	0.28	0.29	< 0.005	0.07	0.07	—	262	262	0.01	0.01	0.29	266
General Office Building	0.02	0.01	0.01	0.16	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	42	42	< 0.005	< 0.005	0.05	43
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	0.11	0.11	1.2	< 0.005	< 0.005	0.33	0.33	< 0.005	0.08	0.09	—	304	304	0.01	0.01	0.34	308

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	0.59	0.52	0.46	5.9	0.02	0.01	1.6	1.6	0.01	0.40	0.41	—	1,633	1,633	0.06	0.06	4.1	1,656
General Office Building	0.11	0.10	0.09	1.2	< 0.005	< 0.005	0.33	0.34	< 0.005	0.08	0.09	—	348	348	0.01	0.01	0.88	352
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	0.71	0.62	0.56	7.1	0.02	0.01	1.9	1.9	0.01	0.48	0.49	—	1,980	1,980	0.08	0.07	5.0	2,008
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	0.59	0.52	0.51	5.3	0.02	0.01	1.6	1.6	0.01	0.40	0.41	—	1,565	1,565	0.07	0.06	0.11	1,584
General Office Building	0.11	0.10	0.10	1.1	< 0.005	< 0.005	0.33	0.34	< 0.005	0.08	0.09	—	333	333	0.01	0.01	0.02	337

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	0.70	0.62	0.61	6.4	0.02	0.01	1.9	1.9	0.01	0.48	0.49	—	1,898	1,898	0.08	0.07	0.13	1,921
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	0.11	0.09	0.09	1.00	< 0.005	< 0.005	0.28	0.29	< 0.005	0.07	0.07	—	262	262	0.01	0.01	0.29	266
General Office Building	0.02	0.01	0.01	0.16	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	42	42	< 0.005	< 0.005	0.05	43
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	0.11	0.11	1.2	< 0.005	< 0.005	0.33	0.33	< 0.005	0.08	0.09	—	304	304	0.01	0.01	0.34	308

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	87	0.01	< 0.005	—	88
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	87	0.01	< 0.005	—	88
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	14	< 0.005	< 0.005	—	15
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	—	70	70	< 0.005	< 0.005	—	71
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	87	0.01	< 0.005	—	88
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	87	0.01	< 0.005	—	88
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	14	< 0.005	< 0.005	—	15
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	—	70	70	< 0.005	< 0.005	—	71
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	—	19	19	< 0.005	< 0.005	—	19
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	—	19	19	< 0.005	< 0.005	—	19
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	—	19	19	< 0.005	< 0.005	—	19
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	—	19	19	< 0.005	< 0.005	—	19
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	—	3.1	3.1	< 0.005	< 0.005	—	3.1
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	—	3.1	3.1	< 0.005	< 0.005	—	3.1

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	—	19	19	< 0.005	< 0.005	—	19
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	—	19	19	< 0.005	< 0.005	—	19
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	—	19	19	< 0.005	< 0.005	—	19
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	—	19	19	< 0.005	< 0.005	—	19
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	—	3.1	3.1	< 0.005	< 0.005	—	3.1
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	—	3.1	3.1	< 0.005	< 0.005	—	3.1

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	0.41	0.41	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.27	0.27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.55	0.51	0.03	3.1	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	13	13	< 0.005	< 0.005	—	13
Total	1.2	1.2	0.03	3.1	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	13	13	< 0.005	< 0.005	—	13
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.41	0.41	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.27	0.27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.68	0.68	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	—	1.4	1.4	< 0.005	< 0.005	—	1.5
Total	0.19	0.19	< 0.005	0.39	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.4	1.4	< 0.005	< 0.005	—	1.5

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	0.41	0.41	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.27	0.27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.55	0.51	0.03	3.1	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	13	13	< 0.005	< 0.005	—	13
Total	1.2	1.2	0.03	3.1	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	13	13	< 0.005	< 0.005	—	13
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.41	0.41	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.27	0.27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.68	0.68	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	—	1.4	1.4	< 0.005	< 0.005	—	1.5
Total	0.19	0.19	< 0.005	0.39	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.4	1.4	< 0.005	< 0.005	—	1.5

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	—	—	—	—	—	—	—	—	—	—	—	1.9	13	15	0.20	< 0.005	—	22
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.99	6.7	7.7	0.10	< 0.005	—	11
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	2.9	20	23	0.30	0.01	—	32

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	1.9	13	15	0.20	< 0.005	—	22
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.99	6.7	7.7	0.10	< 0.005	—	11
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	2.9	20	23	0.30	0.01	—	32
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	0.32	2.2	2.5	0.03	< 0.005	—	3.6
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.16	1.1	1.3	0.02	< 0.005	—	1.8
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.49	3.3	3.8	0.05	< 0.005	—	5.4

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	—	—	—	—	—	—	—	—	—	—	—	1.9	13	15	0.20	< 0.005	—	22
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.99	6.7	7.7	0.10	< 0.005	—	11
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	2.9	20	23	0.30	0.01	—	32
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	1.9	13	15	0.20	< 0.005	—	22
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.99	6.7	7.7	0.10	< 0.005	—	11
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	2.9	20	23	0.30	0.01	—	32
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	0.32	2.2	2.5	0.03	< 0.005	—	3.6
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.16	1.1	1.3	0.02	< 0.005	—	1.8
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.49	3.3	3.8	0.05	< 0.005	—	5.4

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	—	—	—	—	—	—	—	—	—	—	—	2.9	0.00	2.9	0.29	0.00	—	10
General Office Building	—	—	—	—	—	—	—	—	—	—	—	1.5	0.00	1.5	0.15	0.00	—	5.1

Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	4.4	0.00	4.4	0.44	0.00	—	15
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	2.9	0.00	2.9	0.29	0.00	—	10
General Office Building	—	—	—	—	—	—	—	—	—	—	—	1.5	0.00	1.5	0.15	0.00	—	5.1
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	4.4	0.00	4.4	0.44	0.00	—	15
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	—	1.7
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	—	2.5

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	—	—	—	—	—	—	—	—	—	—	—	2.9	0.00	2.9	0.29	0.00	—	10
General Office Building	—	—	—	—	—	—	—	—	—	—	—	1.5	0.00	1.5	0.15	0.00	—	5.1
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	4.4	0.00	4.4	0.44	0.00	—	15
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	2.9	0.00	2.9	0.29	0.00	—	10
General Office Building	—	—	—	—	—	—	—	—	—	—	—	1.5	0.00	1.5	0.15	0.00	—	5.1

Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	4.4	0.00	4.4	0.44	0.00	—	15
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	—	1.7
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	—	2.5

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.1	1.1

General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.2	1.2
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.1	1.1
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.2	1.2
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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.1	1.1

General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.2	1.2
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.1	1.1
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.2	1.2
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	1.3	1.3	6.8	68	0.13	0.26	—	0.26	0.26	—	0.26	—	13,865	13,865	0.56	0.11	—	13,913

Forklifts	0.54	0.54	2.8	28	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	4.1	0.01	0.01	—	0.01	0.01	—	0.01	—	580	580	0.02	< 0.005	—	582
Total	1.9	1.9	9.9	101	0.19	0.38	—	0.38	0.38	—	0.38	—	20,184	20,184	0.82	0.16	—	20,254
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cranes	1.3	1.3	6.8	68	0.13	0.26	—	0.26	0.26	—	0.26	—	13,865	13,865	0.56	0.11	—	13,913
Forklifts	0.54	0.54	2.8	28	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	4.1	0.01	0.01	—	0.01	0.01	—	0.01	—	580	580	0.02	< 0.005	—	582
Total	1.9	1.9	9.9	101	0.19	0.38	—	0.38	0.38	—	0.38	—	20,184	20,184	0.82	0.16	—	20,254
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cranes	0.17	0.17	0.89	8.9	0.02	0.03	—	0.03	0.03	—	0.03	—	1,635	1,635	0.07	0.01	—	1,641
Forklifts	0.07	0.07	0.37	3.7	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	68	< 0.005	< 0.005	—	69
Total	0.25	0.25	1.3	13	0.02	0.05	—	0.05	0.05	—	0.05	—	2,380	2,380	0.10	0.02	—	2,389

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	1.3	1.3	6.8	68	0.13	0.26	—	0.26	0.26	—	0.26	—	13,865	13,865	0.56	0.11	—	13,913

Forklifts	0.54	0.54	2.8	28	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	4.1	0.01	0.01	—	0.01	0.01	—	0.01	—	580	580	0.02	< 0.005	—	582
Total	1.9	1.9	9.9	101	0.19	0.38	—	0.38	0.38	—	0.38	—	20,184	20,184	0.82	0.16	—	20,254
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cranes	1.3	1.3	6.8	68	0.13	0.26	—	0.26	0.26	—	0.26	—	13,865	13,865	0.56	0.11	—	13,913
Forklifts	0.54	0.54	2.8	28	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	4.1	0.01	0.01	—	0.01	0.01	—	0.01	—	580	580	0.02	< 0.005	—	582
Total	1.9	1.9	9.9	101	0.19	0.38	—	0.38	0.38	—	0.38	—	20,184	20,184	0.82	0.16	—	20,254
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cranes	0.17	0.17	0.89	8.9	0.02	0.03	—	0.03	0.03	—	0.03	—	1,635	1,635	0.07	0.01	—	1,641
Forklifts	0.07	0.07	0.37	3.7	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	68	< 0.005	< 0.005	—	69
Total	0.25	0.25	1.3	13	0.02	0.05	—	0.05	0.05	—	0.05	—	2,380	2,380	0.10	0.02	—	2,389

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	6.4	2.0	7,804	471	107	34	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	6.4	2.0	7,804	471	107	34	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

Land Use	Hearth Type	Unmitigated (number)	Mitigated (number)
Other Asphalt Surfaces	Wood Fireplaces	0	0
Other Asphalt Surfaces	Gas Fireplaces	0	0
Other Asphalt Surfaces	Propane Fireplaces	0	0
Other Asphalt Surfaces	Electric Fireplaces	0	0
Other Asphalt Surfaces	No Fireplaces	0	0
Other Asphalt Surfaces	Conventional Wood Stoves	0	0
Other Asphalt Surfaces	Catalytic Wood Stoves	0	0
Other Asphalt Surfaces	Non-Catalytic Wood Stoves	0	0
Other Asphalt Surfaces	Pellet Wood Stoves	0	0
General Light Industry	Wood Fireplaces	0	0
General Light Industry	Gas Fireplaces	0	0
General Light Industry	Propane Fireplaces	0	0
General Light Industry	Electric Fireplaces	0	0
General Light Industry	No Fireplaces	0	0
General Light Industry	Conventional Wood Stoves	0	0
General Light Industry	Catalytic Wood Stoves	0	0
General Light Industry	Non-Catalytic Wood Stoves	0	0
General Light Industry	Pellet Wood Stoves	0	0
General Office Building	Wood Fireplaces	0	0
General Office Building	Gas Fireplaces	0	0
General Office Building	Propane Fireplaces	0	0
General Office Building	Electric Fireplaces	0	0

General Office Building	No Fireplaces	0	0
General Office Building	Conventional Wood Stoves	0	0
General Office Building	Catalytic Wood Stoves	0	0
General Office Building	Non-Catalytic Wood Stoves	0	0
General Office Building	Pellet Wood Stoves	0	0
Enclosed Parking Structure	Wood Fireplaces	0	0
Enclosed Parking Structure	Gas Fireplaces	0	0
Enclosed Parking Structure	Propane Fireplaces	0	0
Enclosed Parking Structure	Electric Fireplaces	0	0
Enclosed Parking Structure	No Fireplaces	0	0
Enclosed Parking Structure	Conventional Wood Stoves	0	0
Enclosed Parking Structure	Catalytic Wood Stoves	0	0
Enclosed Parking Structure	Non-Catalytic Wood Stoves	0	0
Enclosed Parking Structure	Pellet Wood Stoves	0	0

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)
undefined	0.00	0.00	13,830	3,970	194,633

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	0.00
General Light Industry	5.5	0.00
General Office Building	2.7	0.00
Enclosed Parking Structure	0.00	0.00

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Other Asphalt Surfaces	0.00	0.00
General Light Industry	5.5	0.00
General Office Building	2.7	0.00
Enclosed Parking Structure	0.00	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use	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	4.0	4.0	18
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	4.0	4.0	18

5.14.2. Mitigated

Land Use	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	4.0	4.0	18
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	4.0	4.0	18

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	8.0	367	0.29
Forklifts	Diesel	Tier 4 Final	14	8.0	220	0.20
Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.0	8.0	84	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	8.0	367	0.29
Forklifts	Diesel	Tier 4 Final	14	8.0	220	0.20
Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.0	8.0	84	0.37

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

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	5.8	annual days of extreme heat
Extreme Precipitation	4.3	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	17
AQ-PM	68
AQ-DPM	100
Drinking Water	42
Lead Risk Housing	—
Pesticides	0.00
Toxic Releases	94
Traffic	64
Effect Indicators	—
CleanUp Sites	100
Groundwater	100
Haz Waste Facilities/Generators	99
Impaired Water Bodies	98
Solid Waste	97
Sensitive Population	—
Asthma	93
Cardio-vascular	62
Low Birth Weights	—

Socioeconomic Factor Indicators	—
Education	34
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

8.1. Justifications

Screen	Justification
Characteristics: Project Details	Operations run only - opening year (2029), includes employees as worker trips. Separate spreadsheet for HHDT.
Land Use	80 acre site, 73 paved asphalt, with up to four canopies and welfare facilities - plus existing office building.
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: Fleet Mix	Default fleet mix for light industry and office uses.
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: Off-Road Equipment	Opening year 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.

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5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

8.1. Justifications

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	TIMSF - Buildout Year 2049
Operational Year	2049
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.5
Precipitation (days)	7.2
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	2022.1.1.35

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	Acre	73	0.00	0.00	0.00	—	—

General Light Industry	4.4	1000sqft	0.10	4,400	0.00	0.00	—	Welfare buildings
General Office Building	2.9	1000sqft	0.07	2,900	400	0.00	—	750 Eldridge existing
Enclosed Parking Structure	64	1000sqft	1.5	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.	1.9	1.8	0.49	10	0.02	0.01	2.4	2.4	0.01	0.61	0.62	7.3	11,221	11,228	1.4	0.17	1.5	11,316
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.3	1.3	0.50	6.2	0.02	0.01	2.4	2.4	0.01	0.61	0.62	7.3	11,119	11,127	1.4	0.17	1.2	11,215
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.7	1.6	0.51	8.3	0.02	0.01	2.3	2.3	0.01	0.58	0.59	7.3	8,971	8,978	1.3	0.15	1.3	9,055

Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.31	0.29	0.09	1.5	< 0.005	< 0.005	0.42	0.42	< 0.005	0.11	0.11	1.2	1,485	1,486	0.21	0.02	0.21	1,499

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	0.65	0.58	0.44	6.9	0.02	0.01	2.4	2.4	0.01	0.61	0.61	—	2,138	2,138	0.06	0.07	0.32	2,161
Area	1.2	1.2	0.03	3.1	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	13	13	< 0.005	< 0.005	—	13
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	—	—	—	—	—	—	—	—	—	—	—	2.9	20	23	0.30	0.01	—	32
Waste	—	—	—	—	—	—	—	—	—	—	—	4.4	0.00	4.4	0.44	0.00	—	15
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.2	1.2
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	1.9	1.8	0.49	10	0.02	0.01	2.4	2.4	0.01	0.61	0.62	7.3	11,221	11,228	1.4	0.17	1.5	11,316
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.65	0.58	0.49	6.2	0.02	0.01	2.4	2.4	0.01	0.61	0.61	—	2,049	2,049	0.06	0.07	0.01	2,072
Area	0.68	0.68	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	—	—	—	—	—	—	—	—	—	—	—	2.9	20	23	0.30	0.01	—	32
Waste	—	—	—	—	—	—	—	—	—	—	—	4.4	0.00	4.4	0.44	0.00	—	15
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.2	1.2
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	1.3	1.3	0.50	6.2	0.02	0.01	2.4	2.4	0.01	0.61	0.62	7.3	11,119	11,127	1.4	0.17	1.2	11,215

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.63	0.56	0.47	6.2	0.02	0.01	2.3	2.3	0.01	0.58	0.59	—	2,002	2,002	0.06	0.07	0.13	2,025
Area	1.1	1.0	0.02	2.1	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.7	8.7	< 0.005	< 0.005	—	8.8
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	—	—	—	—	—	—	—	—	—	—	—	2.9	20	23	0.30	0.01	—	32
Waste	—	—	—	—	—	—	—	—	—	—	—	4.4	0.00	4.4	0.44	0.00	—	15
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.2	1.2
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	1.7	1.6	0.51	8.3	0.02	0.01	2.3	2.3	0.01	0.58	0.59	7.3	8,971	8,978	1.3	0.15	1.3	9,055
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.11	0.10	0.09	1.1	< 0.005	< 0.005	0.42	0.42	< 0.005	0.11	0.11	—	332	332	0.01	0.01	0.02	335
Area	0.19	0.19	< 0.005	0.39	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.4	1.4	< 0.005	< 0.005	—	1.5
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	3.3	3.8	0.05	< 0.005	—	5.4
Waste	—	—	—	—	—	—	—	—	—	—	—	0.73	0.00	0.73	0.07	0.00	—	2.5
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	1.5	< 0.005	< 0.005	0.42	0.42	< 0.005	0.11	0.11	1.2	1,485	1,486	0.21	0.02	0.21	1,499

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	0.65	0.58	0.44	6.9	0.02	0.01	2.4	2.4	0.01	0.61	0.61	—	2,138	2,138	0.06	0.07	0.32	2,161
Area	1.2	1.2	0.03	3.1	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	13	13	< 0.005	< 0.005	—	13

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	—	—	—	—	—	—	—	—	—	—	—	2.9	20	23	0.30	0.01	—	32
Waste	—	—	—	—	—	—	—	—	—	—	—	4.4	0.00	4.4	0.44	0.00	—	15
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.2	1.2
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	1.9	1.8	0.49	10	0.02	0.01	2.4	2.4	0.01	0.61	0.62	7.3	11,221	11,228	1.4	0.17	1.5	11,316
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.65	0.58	0.49	6.2	0.02	0.01	2.4	2.4	0.01	0.61	0.61	—	2,049	2,049	0.06	0.07	0.01	2,072
Area	0.68	0.68	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	—	—	—	—	—	—	—	—	—	—	—	2.9	20	23	0.30	0.01	—	32
Waste	—	—	—	—	—	—	—	—	—	—	—	4.4	0.00	4.4	0.44	0.00	—	15
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.2	1.2
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	1.3	1.3	0.50	6.2	0.02	0.01	2.4	2.4	0.01	0.61	0.62	7.3	11,119	11,127	1.4	0.17	1.2	11,215
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.63	0.56	0.47	6.2	0.02	0.01	2.3	2.3	0.01	0.58	0.59	—	2,002	2,002	0.06	0.07	0.13	2,025
Area	1.1	1.0	0.02	2.1	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.7	8.7	< 0.005	< 0.005	—	8.8
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	—	—	—	—	—	—	—	—	—	—	—	2.9	20	23	0.30	0.01	—	32
Waste	—	—	—	—	—	—	—	—	—	—	—	4.4	0.00	4.4	0.44	0.00	—	15
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.2	1.2
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	1.7	1.6	0.51	8.3	0.02	0.01	2.3	2.3	0.01	0.58	0.59	7.3	8,971	8,978	1.3	0.15	1.3	9,055
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile	0.11	0.10	0.09	1.1	< 0.005	< 0.005	0.42	0.42	< 0.005	0.11	0.11	—	332	332	0.01	0.01	0.02	335
Area	0.19	0.19	< 0.005	0.39	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.4	1.4	< 0.005	< 0.005	—	1.5
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	3.3	3.8	0.05	< 0.005	—	5.4
Waste	—	—	—	—	—	—	—	—	—	—	—	0.73	0.00	0.73	0.07	0.00	—	2.5
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	1.5	< 0.005	< 0.005	0.42	0.42	< 0.005	0.11	0.11	1.2	1,485	1,486	0.21	0.02	0.21	1,499

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	0.57	0.51	0.39	5.9	0.02	0.01	2.1	2.1	0.01	0.52	0.53	—	1,839	1,839	0.05	0.06	0.27	1,859
General Office Building	0.08	0.07	0.06	0.95	< 0.005	< 0.005	0.33	0.34	< 0.005	0.08	0.09	—	299	299	0.01	0.01	0.04	302

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	0.65	0.58	0.44	6.9	0.02	0.01	2.4	2.4	0.01	0.61	0.61	—	2,138	2,138	0.06	0.07	0.32	2,161
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	0.57	0.51	0.42	5.3	0.02	0.01	2.1	2.1	0.01	0.52	0.53	—	1,763	1,763	0.05	0.06	0.01	1,783
General Office Building	0.08	0.07	0.07	0.85	< 0.005	< 0.005	0.33	0.34	< 0.005	0.08	0.09	—	286	286	0.01	0.01	< 0.005	289
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	0.65	0.58	0.49	6.2	0.02	0.01	2.4	2.4	0.01	0.61	0.61	—	2,049	2,049	0.06	0.07	0.01	2,072
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	1.0	< 0.005	< 0.005	0.37	0.37	< 0.005	0.09	0.10	—	295	295	0.01	0.01	0.02	299
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	36	< 0.005	< 0.005	< 0.005	37
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	0.11	0.10	0.09	1.1	< 0.005	< 0.005	0.42	0.42	< 0.005	0.11	0.11	—	332	332	0.01	0.01	0.02	335

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	0.57	0.51	0.39	5.9	0.02	0.01	2.1	2.1	0.01	0.52	0.53	—	1,839	1,839	0.05	0.06	0.27	1,859
General Office Building	0.08	0.07	0.06	0.95	< 0.005	< 0.005	0.33	0.34	< 0.005	0.08	0.09	—	299	299	0.01	0.01	0.04	302
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	0.65	0.58	0.44	6.9	0.02	0.01	2.4	2.4	0.01	0.61	0.61	—	2,138	2,138	0.06	0.07	0.32	2,161
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	0.57	0.51	0.42	5.3	0.02	0.01	2.1	2.1	0.01	0.52	0.53	—	1,763	1,763	0.05	0.06	0.01	1,783
General Office Building	0.08	0.07	0.07	0.85	< 0.005	< 0.005	0.33	0.34	< 0.005	0.08	0.09	—	286	286	0.01	0.01	< 0.005	289

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	0.65	0.58	0.49	6.2	0.02	0.01	2.4	2.4	0.01	0.61	0.61	—	2,049	2,049	0.06	0.07	0.01	2,072
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	1.0	< 0.005	< 0.005	0.37	0.37	< 0.005	0.09	0.10	—	295	295	0.01	0.01	0.02	299
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	36	< 0.005	< 0.005	< 0.005	37
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	0.11	0.10	0.09	1.1	< 0.005	< 0.005	0.42	0.42	< 0.005	0.11	0.11	—	332	332	0.01	0.01	0.02	335

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	87	0.01	< 0.005	—	88
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	87	0.01	< 0.005	—	88
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	14	< 0.005	< 0.005	—	15
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	—	70	70	< 0.005	< 0.005	—	71
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	87	0.01	< 0.005	—	88
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	87	0.01	< 0.005	—	88
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	14	< 0.005	< 0.005	—	15
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	—	70	70	< 0.005	< 0.005	—	71
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	—	19	19	< 0.005	< 0.005	—	19
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	—	19	19	< 0.005	< 0.005	—	19
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	—	19	19	< 0.005	< 0.005	—	19

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	—	19	19	< 0.005	< 0.005	—	19
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	—	3.1	3.1	< 0.005	< 0.005	—	3.1
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	—	3.1	3.1	< 0.005	< 0.005	—	3.1

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	—	19	19	< 0.005	< 0.005	—	19
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	—	19	19	< 0.005	< 0.005	—	19
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	—	19	19	< 0.005	< 0.005	—	19
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	—	19	19	< 0.005	< 0.005	—	19
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	—	3.1	3.1	< 0.005	< 0.005	—	3.1

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	—	3.1	3.1	< 0.005	< 0.005	—	3.1

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	0.41	0.41	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.27	0.27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.55	0.51	0.03	3.1	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	13	13	< 0.005	< 0.005	—	13
Total	1.2	1.2	0.03	3.1	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	13	13	< 0.005	< 0.005	—	13
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.41	0.41	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural Coating	0.27	0.27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.68	0.68	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	—	1.4	1.4	< 0.005	< 0.005	—	1.5
Total	0.19	0.19	< 0.005	0.39	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.4	1.4	< 0.005	< 0.005	—	1.5

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	0.41	0.41	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.27	0.27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landscape Equipment	0.55	0.51	0.03	3.1	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	13	13	< 0.005	< 0.005	—	13
Total	1.2	1.2	0.03	3.1	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	13	13	< 0.005	< 0.005	—	13
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.41	0.41	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.27	0.27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.68	0.68	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	—	1.4	1.4	< 0.005	< 0.005	—	1.5
Total	0.19	0.19	< 0.005	0.39	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.4	1.4	< 0.005	< 0.005	—	1.5

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	—	—	—	—	—	—	—	—	—	—	—	1.9	13	15	0.20	< 0.005	—	22
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.99	6.7	7.7	0.10	< 0.005	—	11
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	2.9	20	23	0.30	0.01	—	32
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	1.9	13	15	0.20	< 0.005	—	22
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.99	6.7	7.7	0.10	< 0.005	—	11
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	2.9	20	23	0.30	0.01	—	32
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	0.32	2.2	2.5	0.03	< 0.005	—	3.6
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.16	1.1	1.3	0.02	< 0.005	—	1.8
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.49	3.3	3.8	0.05	< 0.005	—	5.4

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	—	—	—	—	—	—	—	—	—	—	—	1.9	13	15	0.20	< 0.005	—	22
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.99	6.7	7.7	0.10	< 0.005	—	11
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	2.9	20	23	0.30	0.01	—	32

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	1.9	13	15	0.20	< 0.005	—	22
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.99	6.7	7.7	0.10	< 0.005	—	11
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	2.9	20	23	0.30	0.01	—	32
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	0.32	2.2	2.5	0.03	< 0.005	—	3.6
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.16	1.1	1.3	0.02	< 0.005	—	1.8
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.49	3.3	3.8	0.05	< 0.005	—	5.4

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	—	—	—	—	—	—	—	—	—	—	—	2.9	0.00	2.9	0.29	0.00	—	10
General Office Building	—	—	—	—	—	—	—	—	—	—	—	1.5	0.00	1.5	0.15	0.00	—	5.1
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	4.4	0.00	4.4	0.44	0.00	—	15
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	2.9	0.00	2.9	0.29	0.00	—	10
General Office Building	—	—	—	—	—	—	—	—	—	—	—	1.5	0.00	1.5	0.15	0.00	—	5.1
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	4.4	0.00	4.4	0.44	0.00	—	15

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	—	1.7
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	—	2.5

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	—	—	—	—	—	—	—	—	—	—	—	2.9	0.00	2.9	0.29	0.00	—	10
General Office Building	—	—	—	—	—	—	—	—	—	—	—	1.5	0.00	1.5	0.15	0.00	—	5.1
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Total	—	—	—	—	—	—	—	—	—	—	—	4.4	0.00	4.4	0.44	0.00	—	15
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	2.9	0.00	2.9	0.29	0.00	—	10
General Office Building	—	—	—	—	—	—	—	—	—	—	—	1.5	0.00	1.5	0.15	0.00	—	5.1
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	4.4	0.00	4.4	0.44	0.00	—	15
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	—	1.7
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	—	2.5

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.1	1.1
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.2	1.2
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.1	1.1
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.2	1.2
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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.1	1.1
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.2	1.2
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.1	1.1
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.2	1.2
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	6.4	2.0	7,804	471	107	34	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	6.4	2.0	7,804	471	107	34	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

Land Use	Hearth Type	Unmitigated (number)	Mitigated (number)
Other Asphalt Surfaces	Wood Fireplaces	0	0
Other Asphalt Surfaces	Gas Fireplaces	0	0
Other Asphalt Surfaces	Propane Fireplaces	0	0
Other Asphalt Surfaces	Electric Fireplaces	0	0
Other Asphalt Surfaces	No Fireplaces	0	0
Other Asphalt Surfaces	Conventional Wood Stoves	0	0
Other Asphalt Surfaces	Catalytic Wood Stoves	0	0
Other Asphalt Surfaces	Non-Catalytic Wood Stoves	0	0
Other Asphalt Surfaces	Pellet Wood Stoves	0	0
General Light Industry	Wood Fireplaces	0	0
General Light Industry	Gas Fireplaces	0	0
General Light Industry	Propane Fireplaces	0	0
General Light Industry	Electric Fireplaces	0	0
General Light Industry	No Fireplaces	0	0
General Light Industry	Conventional Wood Stoves	0	0
General Light Industry	Catalytic Wood Stoves	0	0
General Light Industry	Non-Catalytic Wood Stoves	0	0

General Light Industry	Pellet Wood Stoves	0	0
General Office Building	Wood Fireplaces	0	0
General Office Building	Gas Fireplaces	0	0
General Office Building	Propane Fireplaces	0	0
General Office Building	Electric Fireplaces	0	0
General Office Building	No Fireplaces	0	0
General Office Building	Conventional Wood Stoves	0	0
General Office Building	Catalytic Wood Stoves	0	0
General Office Building	Non-Catalytic Wood Stoves	0	0
General Office Building	Pellet Wood Stoves	0	0
Enclosed Parking Structure	Wood Fireplaces	0	0
Enclosed Parking Structure	Gas Fireplaces	0	0
Enclosed Parking Structure	Propane Fireplaces	0	0
Enclosed Parking Structure	Electric Fireplaces	0	0
Enclosed Parking Structure	No Fireplaces	0	0
Enclosed Parking Structure	Conventional Wood Stoves	0	0
Enclosed Parking Structure	Catalytic Wood Stoves	0	0
Enclosed Parking Structure	Non-Catalytic Wood Stoves	0	0
Enclosed Parking Structure	Pellet Wood Stoves	0	0

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)
undefined	0.00	0.00	13,830	3,970	194,633

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	0.00
General Light Industry	5.5	0.00
General Office Building	2.7	0.00
Enclosed Parking Structure	0.00	0.00

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Other Asphalt Surfaces	0.00	0.00
General Light Industry	5.5	0.00
General Office Building	2.7	0.00

Enclosed Parking Structure	0.00	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use	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	4.0	4.0	18
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	4.0	4.0	18

5.14.2. Mitigated

Land Use	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	4.0	4.0	18
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	4.0	4.0	18

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	8.0	367	0.29
Forklifts	Electric	Average	14	8.0	82	0.20

Tractors/Loaders/Backhoes	Electric	Average	2.0	8.0	84	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	8.0	367	0.29
Forklifts	Electric	Average	14	8.0	82	0.20
Tractors/Loaders/Backhoes	Electric	Average	2.0	8.0	84	0.37

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

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	5.8	annual days of extreme heat
Extreme Precipitation	4.3	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	17
AQ-PM	68
AQ-DPM	100
Drinking Water	42
Lead Risk Housing	—
Pesticides	0.00
Toxic Releases	94
Traffic	64
Effect Indicators	—
CleanUp Sites	100
Groundwater	100
Haz Waste Facilities/Generators	99
Impaired Water Bodies	98
Solid Waste	97

Sensitive Population	—
Asthma	93
Cardio-vascular	62
Low Birth Weights	—
Socioeconomic Factor Indicators	—
Education	34
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

8.1. Justifications

Screen	Justification
Characteristics: Project Details	Operations run only - at buildout (2049), includes employees as worker trips. Separate spreadsheet for HHDT.
Land Use	80 acre site, 73 paved asphalt, with up to four canopies and welfare facilities - plus existing office building.
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: Fleet Mix	Default fleet mix for light industry and office uses.

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: Off-Road Equipment	Buildout year scenario - all Zero-Emissions off-road equipment - 14 x 30,000 lb cranes. 14 x 10,000 lb forklifts. 2 x UTRs.