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Appendix A
Air Quality

AQ Emissions

Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Year	lb/day									
2025	4.17	32.50	39.10	0.06	1.38	33.90	35.20	1.27	9.10	10.40
2026	2.97	22.90	28.40	0.04	0.87	25.60	26.50	0.80	2.84	3.64
Year	tons/year									
2025	0.38	2.88	3.70	0.01	0.11	3.43	3.54	0.10	0.46	0.56
2026	0.11	0.74	1.16	0.00	0.02	1.51	1.54	0.02	0.17	0.19

Operational, Battery Energy Storage O&M

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lb/day									
Daily	6.23	0.32	37.90	< 0.005	0.07	0.01	0.07	0.05	< 0.005	0.05
	ton/yr									
Annual	0.56	0.03	3.42	< 0.005	0.01	< 0.005	0.01	< 0.005	< 0.005	< 0.005

Operational Generators

	TOC	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lb/day									
Daily Maintenance	14.50	61.67	33.73	12.04	0.00	1.93	1.93	0.00	1.93	1.93
Daily Emergency	348.05	1480.09	809.42	288.87	0.00	46.25	46.25	0.00	46.25	46.25
	ton/yr									
Yearly Maintenance	0.36	1.54	0.84	0.30	0.00	0.05	0.05	0.00	0.05	0.05
Yearly Emergency	7.25	30.84	16.86	6.02	0.00	0.96	0.96	0.00	0.96	0.96
Yearly Total	7.61	32.38	17.71	6.32	--	1.01	1.01	--	1.01	1.01

Operational including Generators, Maintenance and Readiness Testing

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lb/day									
Daily	20.73	61.99	71.63	< 0.005	0.07	1.94	2.00	0.05	1.93	1.98
	ton/yr									
Annual	0.92	1.57	4.26	0.30	0.01	0.05	0.06	0.00	0.05	0.05

Demolition

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Year	lb/day									
2046	1.64	11.80	14.50	0.05	0.30	50.50	50.80	0.28	10.60	10.80
	ton/yr									
Annual	0.16	1.15	1.41	< 0.005	0.03	4.88	4.91	0.03	1.03	1.05

GHG Emissions

Construction

	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	MT total					
Maximum	1051.00	1051.00	0.04	0.06	0.75	1069.00

Operation

	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	MT/yr					
Per year	13.80	13.80	< 0.005	< 0.005	< 0.005	13.90

Generators

	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	MT/yr					
Readiness Testing and Maintenance	0.00	0.00	0.00	0.00	0.00	153.18
Emergency Use	0.00	0.00	0.00	0.00	0.00	3063.53

Demolition

	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	MT/yr					
Per year	484.00	484.00	0.02	0.01	0.01	489.00

Emergency Diesel Generator Emissions

Tier 2 - 2000 KWh Diesel Backup Generator

3	Quantity
1000	hours/yr/generator
24	max hour/day/generator
0.73	Load Factor

3	Quantity
50	hours/yr/generator
1	max hour/day/generator
0.73	Load Factor

		Tier 2 Control			
--	**NMHC + NO2**	**CO**	--	**PM**	--
		g/kwl			
--	6.40	3.50	--	0.20	--
		g/hp-hr			
--	4.77	2.61	--	0.15	--
		lb/hr			
--	28.16	15.40	--	0.88	--

		AP42 Diesel Emission Factors			
TOC	**NOx**	**CO**	**SOx**	**PMIO**	**CO2**
		lb/hp-hr			
0.00247	0.031	0.00668	0.00205	0.0022	1.15
		lb/hr			
6.62	83.11	17.91	5.50	5.90	3083.11

1.34	hp/kw
2,000	kw
2680.97	hp
0.0022	lb/g
2204	lbs per MT
2000	lbs per ton

	TOC	**NMHC + NO2**	**CO**	**SOx**	**PMIO**	**CO2**
			lbs/day			
Daily Maintenance	14.50	61.67	33.73	12.04	1.93	--
Daily Emergency	348.05	1480.09	809.42	288.87	46.25	--
			tons/yr			
Yearly Maintenance	0.36	1.54	0.84	0.30	0.05	153.18
Yearly Emergency	7.25	30.84	16.86	6.02	0.96	3063.53
Yearly Total	7.61	32.38	17.71	6.32	1.01	3216.70

Tier 2 Engine Standards:
https://nepis.epa.gov/Exe/ZyPDF.cgi?Dockey=P100OA05.pdf
AP 42 Emission Factors:
https://www3.epa.gov/ttn/chief/ap42/ch03/final/c03s03.pdf

5. Activity Data

5.1 Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per	Work Day	Phase Description
Foundation Installation	Site Preparation	6/18/2025	9/9/2025	5	60	
Construction Prep and Site Grading	Grading	1/1/2025	2/11/2025	5	30	
Electrical Work	Building Construction	9/10/2025	1/27/2026	5	100	
Enclosure Installation	Building Construction	1/28/2026	6/16/2026	5	100	
Excavation and Undergrounding	Trenching	2/12/2025	6/17/2025	5	90	

5.2. Off-Road Equipment

5.2.1 Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number p	Hours Per	Horsepow	Load Factor
Foundation Installation	Cement and Mortar Mixers	Diesel	Average	1	8	10	0.56
Foundation Installation	Plate Compactors	Diesel	Average	1	8	8	0.43
Foundation Installation	Excavators	Diesel	Average	2	8	36	0.38
Foundation Installation	Tractors/Loaders/Backhoes	Diesel	Average	2	8	84	0.37
Construction Prep and Site Grading	Excavators	Diesel	Average	2	8	36	0.38
Construction Prep and Site Grading	Rubber Tired Dozers	Diesel	Average	2	8	367	0.4
Construction Prep and Site Grading	Graders	Diesel	Average	2	8	148	0.41
Construction Prep and Site Grading	Tractors/Loaders/Backhoes	Diesel	Average	2	8	84	0.37
Construction Prep and Site Grading	Rollers	Diesel	Average	2	8	36	0.38
Electrical Work	Rubber Tired Dozers	Diesel	Average	2	8	367	0.4
Electrical Work	Tractors/Loaders/Backhoes	Diesel	Average	2	8	84	0.37
Electrical Work	Excavators	Diesel	Average	2	8	36	0.38
Enclosure Installation	Cranes	Diesel	Average	1	8	367	0.29
Enclosure Installation	Forklifts	Diesel	Average	2	8	82	0.2
Enclosure Installation	Generator Sets	Diesel	Average	1	8	14	0.74
Enclosure Installation	Tractors/Loaders/Backhoes	Diesel	Average	1	8	84	0.37
Enclosure Installation	Welders	Diesel	Average	1	8	46	0.45
Excavation and Undergrounding	Rubber Tired Dozers	Diesel	Average	2	8	367	0.4
Excavation and Undergrounding	Tractors/Loaders/Backhoes	Diesel	Average	2	8	84	0.37
Excavation and Undergrounding	Excavators	Diesel	Average	2	8	36	0.38
Excavation and Undergrounding	Rollers	Diesel	Average	2	8	36	0.38

5.3. Construction Vehicles

5.3.1 Unmitigated

Phase Name	Trip Type	One-Way T	Miles per Tri	Vehicle Mix
Construction Prep and Site Grading				
Construction Prep and Site Grading	Worker	200	11.97	LDA,LDT1,LDT2
Construction Prep and Site Grading	Vendor	30	7.6300001	HHDT,MHDT
Construction Prep and Site Grading	Hauling	8	20	HHDT
Construction Prep and Site Grading	Onsite truck	4	3	HHDT
Excavation and Undergrounding				
Excavation and Undergrounding	Worker	200	11.97	LDA,LDT1,LDT2
Excavation and Undergrounding	Vendor	30	7.6300001	HHDT,MHDT
Excavation and Undergrounding	Hauling	8	20	HHDT
Excavation and Undergrounding	Onsite truck	4	4	HHDT
Foundation Installation				
Foundation Installation	Worker	200	11.97	LDA,LDT1,LDT2
Foundation Installation	Vendor	30	7.6300001	HHDT,MHDT
Foundation Installation	Hauling	8	20	HHDT
Foundation Installation	Onsite truck	4	4	HHDT
Electrical Work				
Electrical Work	Worker	200	11.97	LDA,LDT1,LDT2
Electrical Work	Vendor	30	7.6300001	HHDT,MHDT
Electrical Work	Hauling	8	20	HHDT
Electrical Work	Onsite truck	4	4	HHDT
Enclosure Installation				
Enclosure Installation	Worker	200	11.97	LDA,LDT1,LDT2
Enclosure Installation	Vendor	30	7.6300001	HHDT,MHDT
Enclosure Installation	Hauling	8	20	HHDT
Enclosure Installation	Onsite truck	4	4	HHDT

Source of Electricity	GHG Emissions Intensity of Supply (MTCO2e/MWh)	Emissions to Fully Charge Battery, including Round-Trip Losses (MTCO2e)	Emissions of Producing486 MWh from Natural Gas Resources (MTCO2e)
SDG&E Electrical Utility Emission Factor	0.246	95.6448	---
Natural Gas-Fired Combined-Cycle Power Plant	0.385	---	187.11
Natural Gas-Fired Advanced Combustion Turbine Power Plant	0.524	---	254.664

Battery Round Trip Efficiency	0.8
MWh of Battery Storaged	486

Construction

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH/b	N2O	R	CO2e
Daily, Summer (Max)																		
Unmit.	4.09	3.46	26.3	32.9	0.05	1.04	25.6	26.6	0.95	2.84	3.8		7189	7189	0.32	0.3	10.4	7298
Daily, Winter (Max)																		
Unmit.	4.94	4.17	32.5	39.1	0.06	1.38	33.9	35.2	1.27	9.1	10.4		8207	8207	0.37	0.32	0.27	8311
Average Daily (Max)																		
Unmit.	2.49	2.1	15.8	20.2	0.03	0.61	18.8	19.4	0.56	2.53	3.09		4616	4616	0.21	0.22	3.22	4689
Annual (Max)																		
Unmit.	0.46	0.38	2.88	3.7	0.01	0.11	3.43	3.54	0.1	0.46	0.56		764	764	0.03	0.04	0.53	776
Daily - Winter (Max)																		
2025	4.94	4.17	32.5	39.1	0.06	1.38	33.9	35.2	1.27	9.1	10.4		8207	8207	0.37	0.32	0.27	8311
2026	3.53	2.97	22.9	28.4	0.04	0.87	25.6	26.5	0.8	2.84	3.64		6739	6739	0.3	0.31	0.25	6838
Annual																		
2025	0.46	0.38	2.88	3.7	0.01	0.11	3.43	3.54	0.1	0.46	0.56		764	764	0.03	0.04	0.53	776
2026	0.13	0.11	0.74	1.16	< 0.005	0.02	1.51	1.54	0.02	0.17	0.19		287	287	0.01	0.02	0.22	293

2.4. Operations Emissions Compared Against Thresholds

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH/b	N2O	R	CO2e
Daily, Summer (Max)																		
Unmit.	6.75	6.23	0.32	37.9	< 0.005	0.07	0.01	0.07	0.05	< 0.005	0.05	0	163	163	0.01	< 0.005	0.02	163
Daily, Winter (Max)																		
Unmit.	< 0.005	< 0.005	< 0.005	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	0	6.4	6.4	< 0.005	< 0.005	< 0.005	6.48
Average Daily (Max)																		
Unmit.	3.33	3.07	0.16	18.7	< 0.005	0.03	0.01	0.04	0.03	< 0.005	0.03	0	83.4	83.4	< 0.005	< 0.005	0.01	83.7
Annual (Max)																		
Unmit.	0.61	0.56	0.03	3.42	< 0.005	0.01	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0	13.8	13.8	< 0.005	< 0.005	< 0.005	13.9

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH/b	N2O	R	CO2e
Daily, Summer (Max)																		
Unmit.	1.96	1.64	11.8	14.5	0.05	0.3	50.5	50.8	0.28	10.6	10.8		5487	5487	0.2	0.17	0.24	5543
Daily, Winter (Max)																		
Unmit.	1.96	1.63	11.8	14.5	0.05	0.3	50.5	50.8	0.28	10.6	10.8		5476	5476	0.2	0.17	0.01	5531
Average Daily (Max)																		
Unmit.	1.05	0.87	6.31	7.73	0.03	0.16	26.8	26.9	0.15	5.62	5.77		2926	2926	0.1	0.09	0.06	2956
Annual (Max)																		
Unmit.	0.19	0.16	1.15	1.41	< 0.005	0.03	4.88	4.91	0.03	1.03	1.05		484	484	0.02	0.01	0.01	489

2.5. Operations Emissions by Sector, Unmitigated

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH	N2O	R	CO2e
Daily, Winter (Max)																		
Total	376	NaN	1532	874	1.65	50.4	0	50.4	50.4	0	50.4	NaN	NaN	NaN	NaN	NaN	0	NaN
Annual																		
Stationary	7.84	7.14	31.9	18.2	0.03	1.05	0	1.05	1.05	0	1.05	0	3313	3313	0.13	0.03	0	3324

spreadsheet just to comp

TOC	NOx	CO	SOx	PM10	CO2
lbs/day					
348.0514745	1480.09	809.424	288.8686	46.2528	162048.3
tons/yr					
6.579920495	27.98113	15.30218	5.461068	0.87441	3063.526

Camp Pendleton Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Camp Pendleton
Construction Start Date	1/1/2025
Operational Year	2026
Lead Agency	≥
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed m/s)	1.80
Precipitation (days)	3.80
Location	33.316342074194736, -117.32822918607064
County	San Diego
City	Unincorporated
Air District	San Diego County APCD
Air Basin	San Diego
TAZ	6246
EDFZ	12
Electric Utility	San Diego Gas Electric
Gas Utility	San Diego Gas Electric
App Version	2022.1.1.23

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area sq ft)	Special Landscape Area (sq ft)	Population	Description

General Heavy Industry	872	1000sqft	20.0	872,000	0.00	0.00	2	2

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

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)

Daily, Summer Max)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Unmit.	4.09	3.46	26.3	32.9	0.05	1.04	25.6	26.6	0.95	2.84	3.80	2	7,189	7,189	0.32	0.30	10.4	7,298
Daily, Winter Max)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Unmit.	4.94	4.17	32.5	39.1	0.06	1.38	33.9	35.2	1.27	9.10	10.4	2	8,207	8,207	0.37	0.32	0.27	8,311
Average Daily Max)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Unmit.	2.49	2.10	15.8	20.2	0.03	0.61	18.8	19.4	0.56	2.53	3.09	2	4,616	4,616	0.21	0.22	3.22	4,689
Annual Max)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Unmit.	0.46	0.38	2.88	3.70	0.01	0.11	3.43	3.54	0.10	0.46	0.56	2	764	764	0.03	0.04	0.53	776

2.2. Construction Emissions by Year, Unmitigated

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

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

Daily - Summer Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	4.09	3.46	26.3	32.9	0.05	1.04	25.6	26.6	0.95	2.84	3.80	—	7,189	7,189	0.32	0.30	10.4	7,298
2026	2.00	1.65	10.3	18.6	0.03	0.33	25.6	25.9	0.30	2.84	3.14	—	5,117	5,117	0.23	0.29	9.60	5,218
Daily - Winter Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	4.94	4.17	32.5	39.1	0.06	1.38	33.9	35.2	1.27	9.10	10.4	—	8,207	8,207	0.37	0.32	0.27	8,311
2026	3.53	2.97	22.9	28.4	0.04	0.87	25.6	26.5	0.80	2.84	3.64	—	6,739	6,739	0.30	0.31	0.25	6,838
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	2.49	2.10	15.8	20.2	0.03	0.61	18.8	19.4	0.56	2.53	3.09	—	4,616	4,616	0.21	0.22	3.22	4,689
2026	0.72	0.60	4.06	6.35	0.01	0.14	8.28	8.42	0.12	0.92	1.04	—	1,735	1,735	0.08	0.10	1.36	1,767
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.46	0.38	2.88	3.70	0.01	0.11	3.43	3.54	0.10	0.46	0.56	—	764	764	0.03	0.04	0.53	776
2026	0.13	0.11	0.74	1.16	< 0.005	0.02	1.51	1.54	0.02	0.17	0.19	—	287	287	0.01	0.02	0.22	293

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.	6.75	6.23	0.32	37.9	< 0.005	0.07	0.01	0.07	0.05	< 0.005	0.05	0.00	163	163	0.01	< 0.005	0.02	163
Daily, Winter Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	< 0.005	< 0.005	< 0.005	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	0.00	6.40	6.40	< 0.005	< 0.005	< 0.005	6.48

Average Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.33	3.07	0.16	18.7	< 0.005	0.03	0.01	0.04	0.03	< 0.005	0.03	0.00	83.4	83.4	< 0.005	< 0.005	0.01	83.7
Annual Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.61	0.56	0.03	3.42	< 0.005	0.01	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.00	13.8	13.8	< 0.005	< 0.005	< 0.005	13.9

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	< 0.005	< 0.005	< 0.005	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	6.71	6.71	< 0.005	< 0.005	0.02	6.80
Area	6.75	6.23	0.32	37.9	< 0.005	0.07	—	0.07	0.05	—	0.05	—	156	156	0.01	< 0.005	—	157
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Water	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Waste	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	6.75	6.23	0.32	37.9	< 0.005	0.07	0.01	0.07	0.05	< 0.005	0.05	0.00	163	163	0.01	< 0.005	0.02	163
Daily, Winter Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	< 0.005	< 0.005	< 0.005	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	6.40	6.40	< 0.005	< 0.005	< 0.005	6.48
Area	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Water	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Waste	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00

Total	< 0.005	< 0.005	< 0.005	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	0.00	6.40	6.40	< 0.005	< 0.005	< 0.005	6.48
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	< 0.005	< 0.005	< 0.005	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	6.45	6.45	< 0.005	< 0.005	0.01	6.54
Area	3.33	3.07	0.16	18.7	< 0.005	0.03	—	0.03	0.03	—	0.03	—	76.9	76.9	< 0.005	< 0.005	—	77.2
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Water	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Waste	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	3.33	3.07	0.16	18.7	< 0.005	0.03	0.01	0.04	0.03	< 0.005	0.03	0.00	83.4	83.4	< 0.005	< 0.005	0.01	83.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.07	1.07	< 0.005	< 0.005	< 0.005	1.08
Area	0.61	0.56	0.03	3.41	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	12.7	12.7	< 0.005	< 0.005	—	12.8
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Water	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Waste	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	0.61	0.56	0.03	3.42	< 0.005	0.01	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.00	13.8	13.8	< 0.005	< 0.005	< 0.005	13.9

3. Construction Emissions Details

3.1. Foundation Installation 2025) - Unmitigated

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

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

Off-Road Equipmen	0.59	0.50	4.53	6.38	0.01	0.16	—	0.16	0.15	—	0.15	—	955	955	0.04	0.01	—	958
Dust From Material Movemen	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.12	0.06	< 0.005	< 0.005	23.6	23.6	< 0.005	2.35	2.35	—	63.0	63.0	< 0.005	0.01	0.13	66.2
Daily, Winter Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	0.10	0.08	0.75	1.05	< 0.005	0.03	—	0.03	0.02	—	0.02	—	157	157	0.01	< 0.005	—	158
Dust From Material Movemen	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	3.83	3.83	< 0.005	0.38	0.38	—	10.4	10.4	< 0.005	< 0.005	0.01	10.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	0.02	0.01	0.14	0.19	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	26.0	26.0	< 0.005	< 0.005	—	26.1
Dust From Material Movemen	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.70	0.70	< 0.005	0.07	0.07	—	1.72	1.72	< 0.005	< 0.005	< 0.005	1.80
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.88	0.81	0.61	9.26	0.00	0.00	1.69	1.69	0.00	0.40	0.40	—	1,898	1,898	0.09	0.07	7.12	1,927

Vendor	0.06	0.03	1.00	0.46	0.01	0.01	0.19	0.20	0.01	0.05	0.06	—	751	751	0.03	0.11	1.95	785
Hauling	0.04	0.01	0.75	0.28	< 0.005	0.01	0.15	0.16	0.01	0.04	0.05	—	575	575	0.03	0.09	1.25	604
Daily, Winter Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.13	0.11	1.35	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	297	297	0.02	0.01	0.50	302
Vendor	0.01	< 0.005	0.17	0.08	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	123	123	0.01	0.02	0.14	129
Hauling	0.01	< 0.005	0.13	0.05	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	—	94.5	94.5	0.01	0.01	0.09	99.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.25	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	49.2	49.2	< 0.005	< 0.005	0.08	49.9
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	20.4	20.4	< 0.005	< 0.005	0.02	21.3
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	15.6	15.6	< 0.005	< 0.005	0.01	16.4

3.3. Construction Prep and Site Grading 2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	3.96	3.33	29.9	30.2	0.05	1.35	—	1.35	1.25	—	1.25	—	5,040	5,040	0.20	0.04	—	5,057
Dust From Material Movemen	—	—	—	—	—	—	14.2	14.2	—	6.85	6.85	—	—	—	—	—	—	—

Onsite truck	0.01	< 0.005	0.11	0.06	< 0.005	< 0.005	17.7	17.7	< 0.005	1.76	1.76	—	49.1	49.1	< 0.005	0.01	< 0.005	51.5
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	0.33	0.27	2.46	2.48	< 0.005	0.11	—	0.11	0.10	—	0.10	—	414	414	0.02	< 0.005	—	416
Dust From Material Movemen	—	—	—	—	—	—	1.16	1.16	—	0.56	0.56	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	1.44	1.44	< 0.005	0.14	0.14	—	4.03	4.03	< 0.005	< 0.005	< 0.005	4.23
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	0.06	0.05	0.45	0.45	< 0.005	0.02	—	0.02	0.02	—	0.02	—	68.6	68.6	< 0.005	< 0.005	—	68.8
Dust From Material Movemen	—	—	—	—	—	—	0.21	0.21	—	0.10	0.10	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	—	0.67	0.67	< 0.005	< 0.005	< 0.005	0.70
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.86	0.79	0.68	8.11	0.00	0.00	1.69	1.69	0.00	0.40	0.40	—	1,792	1,792	0.10	0.07	0.18	1,815
Vendor	0.06	0.03	1.04	0.48	0.01	0.01	0.19	0.20	0.01	0.05	0.06	—	751	751	0.03	0.11	0.05	784
Hauling	0.04	0.01	0.78	0.28	< 0.005	0.01	0.15	0.16	0.01	0.04	0.05	—	575	575	0.03	0.09	0.03	603
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.06	0.68	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	149	149	0.01	0.01	0.25	151

Vendor	0.01	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	61.7	61.7	< 0.005	0.01	0.07	64.5
Hauling	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	47.3	47.3	< 0.005	0.01	0.04	49.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.12	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	24.6	24.6	< 0.005	< 0.005	0.04	25.0
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.2	10.2	< 0.005	< 0.005	0.01	10.7
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.82	7.82	< 0.005	< 0.005	0.01	8.21

3.5. Electrical Work 2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	2.77	2.33	22.0	20.9	0.03	0.93	—	0.93	0.86	—	0.86	—	3,620	3,620	0.15	0.03	—	3,632
Onsite truck	0.01	< 0.005	0.12	0.06	< 0.005	< 0.005	23.6	23.6	< 0.005	2.35	2.35	—	63.0	63.0	< 0.005	0.01	0.13	66.2
Daily, Winter Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	2.77	2.33	22.0	20.9	0.03	0.93	—	0.93	0.86	—	0.86	—	3,620	3,620	0.15	0.03	—	3,632
Onsite truck	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	23.6	23.6	< 0.005	2.35	2.35	—	63.1	63.1	< 0.005	0.01	< 0.005	66.2
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	0.61	0.52	4.87	4.62	0.01	0.21	—	0.21	0.19	—	0.19	—	800	800	0.03	0.01	—	803
Onsite truck	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	5.15	5.15	< 0.005	0.51	0.51	—	13.9	13.9	< 0.005	< 0.005	0.01	14.6

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	0.11	0.09	0.89	0.84	< 0.005	0.04	—	0.04	0.03	—	0.03	—	133	133	0.01	< 0.005	—	133
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.94	0.94	< 0.005	0.09	0.09	—	2.31	2.31	< 0.005	< 0.005	< 0.005	2.42
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.88	0.81	0.61	9.26	0.00	0.00	1.69	1.69	0.00	0.40	0.40	—	1,898	1,898	0.09	0.07	7.12	1,927
Vendor	0.06	0.03	1.00	0.46	0.01	0.01	0.19	0.20	0.01	0.05	0.06	—	751	751	0.03	0.11	1.95	785
Hauling	0.04	0.01	0.75	0.28	< 0.005	0.01	0.15	0.16	0.01	0.04	0.05	—	575	575	0.03	0.09	1.25	604
Daily, Winter Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.86	0.79	0.68	8.11	0.00	0.00	1.69	1.69	0.00	0.40	0.40	—	1,792	1,792	0.10	0.07	0.18	1,815
Vendor	0.06	0.03	1.04	0.48	0.01	0.01	0.19	0.20	0.01	0.05	0.06	—	751	751	0.03	0.11	0.05	784
Hauling	0.04	0.01	0.78	0.28	< 0.005	0.01	0.15	0.16	0.01	0.04	0.05	—	575	575	0.03	0.09	0.03	603
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.17	0.15	1.82	0.00	0.00	0.37	0.37	0.00	0.09	0.09	—	400	400	0.02	0.02	0.68	406
Vendor	0.01	0.01	0.23	0.10	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	166	166	0.01	0.02	0.19	173
Hauling	0.01	< 0.005	0.17	0.06	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	127	127	0.01	0.02	0.12	133
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.33	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	66.2	66.2	< 0.005	< 0.005	0.11	67.2
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	27.5	27.5	< 0.005	< 0.005	0.03	28.7
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	21.0	21.0	< 0.005	< 0.005	0.02	22.1

3.7. Electrical Work 2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	2.64	2.22	20.4	20.0	0.03	0.85	—	0.85	0.78	—	0.78	—	3,622	3,622	0.15	0.03	—	3,634
Onsite truck	0.01	< 0.005	0.12	0.06	< 0.005	< 0.005	23.6	23.6	< 0.005	2.35	2.35	—	61.8	61.8	< 0.005	0.01	< 0.005	64.9
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	0.14	0.12	1.08	1.06	< 0.005	0.05	—	0.05	0.04	—	0.04	—	191	191	0.01	< 0.005	—	192
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	1.23	1.23	< 0.005	0.12	0.12	—	3.26	3.26	< 0.005	< 0.005	< 0.005	3.43
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	0.03	0.02	0.20	0.19	< 0.005	0.01	—	0.01	0.01	—	0.01	—	31.7	31.7	< 0.005	< 0.005	—	31.8
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.22	0.22	< 0.005	0.02	0.02	—	0.54	0.54	< 0.005	< 0.005	< 0.005	0.57
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.78	0.71	0.62	7.63	0.00	0.00	1.69	1.69	0.00	0.40	0.40	—	1,756	1,756	0.09	0.07	0.17	1,779
Vendor	0.06	0.02	0.99	0.45	0.01	0.01	0.19	0.20	0.01	0.05	0.06	—	737	737	0.03	0.11	0.05	770
Hauling	0.04	0.01	0.75	0.28	< 0.005	0.01	0.15	0.16	0.01	0.04	0.05	—	563	563	0.03	0.09	0.03	591

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.41	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	93.6	93.6	< 0.005	< 0.005	0.15	95.0
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	38.9	38.9	< 0.005	0.01	0.04	40.7
Hauling	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	29.7	29.7	< 0.005	< 0.005	0.03	31.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.5	15.5	< 0.005	< 0.005	0.02	15.7
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.45	6.45	< 0.005	< 0.005	0.01	6.74
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.92	4.92	< 0.005	< 0.005	< 0.005	5.17

3.9. Enclosure Installation 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 Equipmen	1.06	0.88	7.93	9.21	0.02	0.31	—	0.31	0.28	—	0.28	—	1,897	1,897	0.08	0.02	—	1,903
Onsite truck	0.01	< 0.005	0.12	0.06	< 0.005	< 0.005	23.6	23.6	< 0.005	2.35	2.35	—	61.7	61.7	< 0.005	0.01	0.12	64.9
Daily, Winter Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	1.06	0.88	7.93	9.21	0.02	0.31	—	0.31	0.28	—	0.28	—	1,897	1,897	0.08	0.02	—	1,903
Onsite truck	0.01	< 0.005	0.12	0.06	< 0.005	< 0.005	23.6	23.6	< 0.005	2.35	2.35	—	61.8	61.8	< 0.005	0.01	< 0.005	64.9
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipmen	0.29	0.24	2.17	2.52	0.01	0.08	—	0.08	0.08	—	0.08	—	520	520	0.02	< 0.005	—	521
Onsite truck	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	6.39	6.39	< 0.005	0.64	0.64	—	16.9	16.9	< 0.005	< 0.005	0.01	17.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	0.05	0.04	0.40	0.46	< 0.005	0.02	—	0.02	0.01	—	0.01	—	86.0	86.0	< 0.005	< 0.005	—	86.3
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	1.17	1.17	< 0.005	0.12	0.12	—	2.80	2.80	< 0.005	< 0.005	< 0.005	2.94
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.84	0.72	0.55	8.65	0.00	0.00	1.69	1.69	0.00	0.40	0.40	—	1,859	1,859	0.09	0.07	6.51	1,887
Vendor	0.06	0.03	0.95	0.45	0.01	0.01	0.19	0.20	0.01	0.05	0.06	—	737	737	0.03	0.11	1.80	771
Hauling	0.04	0.01	0.72	0.28	< 0.005	0.01	0.15	0.16	0.01	0.04	0.05	—	563	563	0.03	0.09	1.18	592
Daily, Winter Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.78	0.71	0.62	7.63	0.00	0.00	1.69	1.69	0.00	0.40	0.40	—	1,756	1,756	0.09	0.07	0.17	1,779
Vendor	0.06	0.02	0.99	0.45	0.01	0.01	0.19	0.20	0.01	0.05	0.06	—	737	737	0.03	0.11	0.05	770
Hauling	0.04	0.01	0.75	0.28	< 0.005	0.01	0.15	0.16	0.01	0.04	0.05	—	563	563	0.03	0.09	0.03	591
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.19	0.17	2.11	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	485	485	0.03	0.02	0.77	492
Vendor	0.02	0.01	0.27	0.12	< 0.005	< 0.005	0.05	0.06	< 0.005	0.01	0.02	—	202	202	0.01	0.03	0.21	211
Hauling	0.01	< 0.005	0.21	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	154	154	0.01	0.02	0.14	162
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.39	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	80.3	80.3	< 0.005	< 0.005	0.13	81.5
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	33.4	33.4	< 0.005	< 0.005	0.04	34.9
Hauling	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	25.5	25.5	< 0.005	< 0.005	0.02	26.8

3.11. Excavation and Undergrounding 2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Daily, Summer Max)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Off-Road Equipmen	3.10	2.60	23.8	22.9	0.04	1.01	2	1.01	0.93	2	0.93	2	3,903	3,903	0.16	0.03	2	3,917
Onsite truck	0.01	< 0.005	0.12	0.06	< 0.005	< 0.005	23.6	23.6	< 0.005	2.35	2.35	2	63.0	63.0	< 0.005	0.01	0.13	66.2
Daily, Winter Max)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Off-Road Equipmen	3.10	2.60	23.8	22.9	0.04	1.01	2	1.01	0.93	2	0.93	2	3,903	3,903	0.16	0.03	2	3,917
Onsite truck	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	23.6	23.6	< 0.005	2.35	2.35	2	63.1	63.1	< 0.005	0.01	< 0.005	66.2
Average Daily	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Off-Road Equipmen	0.76	0.64	5.87	5.64	0.01	0.25	2	0.25	0.23	2	0.23	2	962	962	0.04	0.01	2	966
Onsite truck	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	5.75	5.75	< 0.005	0.57	0.57	2	15.5	15.5	< 0.005	< 0.005	0.01	16.3
Annual	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Off-Road Equipmen	0.14	0.12	1.07	1.03	< 0.005	0.05	2	0.05	0.04	2	0.04	2	159	159	0.01	< 0.005	2	160
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	1.05	1.05	< 0.005	0.10	0.10	2	2.57	2.57	< 0.005	< 0.005	< 0.005	2.70
Offsite	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

Daily, Summer Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.88	0.81	0.61	9.26	0.00	0.00	1.69	1.69	0.00	0.40	0.40	—	1,898	1,898	0.09	0.07	7.12	1,927
Vendor	0.06	0.03	1.00	0.46	0.01	0.01	0.19	0.20	0.01	0.05	0.06	—	751	751	0.03	0.11	1.95	785
Hauling	0.04	0.01	0.75	0.28	< 0.005	0.01	0.15	0.16	0.01	0.04	0.05	—	575	575	0.03	0.09	1.25	604
Daily, Winter Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.86	0.79	0.68	8.11	0.00	0.00	1.69	1.69	0.00	0.40	0.40	—	1,792	1,792	0.10	0.07	0.18	1,815
Vendor	0.06	0.03	1.04	0.48	0.01	0.01	0.19	0.20	0.01	0.05	0.06	—	751	751	0.03	0.11	0.05	784
Hauling	0.04	0.01	0.78	0.28	< 0.005	0.01	0.15	0.16	0.01	0.04	0.05	—	575	575	0.03	0.09	0.03	603
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.19	0.17	2.03	0.00	0.00	0.42	0.42	0.00	0.10	0.10	—	446	446	0.02	0.02	0.76	452
Vendor	0.02	0.01	0.25	0.12	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	185	185	0.01	0.03	0.21	193
Hauling	0.01	< 0.005	0.19	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	142	142	0.01	0.02	0.13	149
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.37	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	73.8	73.8	< 0.005	< 0.005	0.13	74.9
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	30.7	30.7	< 0.005	< 0.005	0.03	32.0
Hauling	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	23.5	23.5	< 0.005	< 0.005	0.02	24.6

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Heavy Industry	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Heavy Industry	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Heavy Industry	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

General Heavy 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
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Heavy 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
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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Heavy 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
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

4.3. 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	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landscape Equipme	6.75	6.23	0.32	37.9	< 0.005	0.07	—	0.07	0.05	—	0.05	—	156	156	0.01	< 0.005	—	157
Total	6.75	6.23	0.32	37.9	< 0.005	0.07	—	0.07	0.05	—	0.05	—	156	156	0.01	< 0.005	—	157
Daily, Winter Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.61	0.56	0.03	3.41	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	12.7	12.7	< 0.005	< 0.005	—	12.8
Total	0.61	0.56	0.03	3.41	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	12.7	12.7	< 0.005	< 0.005	—	12.8

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Heavy Industry	—	—	—	—	—	—	—	—	—	—	—	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
Daily, Winter Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Heavy Industry	—	—	—	—	—	—	—	—	—	—	—	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Heavy Industry	—	—	—	—	—	—	—	—	—	—	—	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

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Heavy Industry	—	—	—	—	—	—	—	—	—	—	—	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

Daily, Winter Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Heavy Industry	—	—	—	—	—	—	—	—	—	—	—	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Heavy Industry	—	—	—	—	—	—	—	—	—	—	—	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

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 Heavy Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Daily, Winter Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Heavy Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00

Annual	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
General Heavy Industry	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0.00	0.00
Total	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0.00	0.00

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)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Total	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Daily, Winter Max)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Total	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Annual	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Total	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

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)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Total	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Daily, Winter Max)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Total	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Annual	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Total	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

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)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Total	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Daily, Winter Max)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Total	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Annual	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Total	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

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)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Total	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Daily, Winter Max)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Total	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Annual	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Total	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

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)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Total	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Daily, Winter Max)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Total	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Annual	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Total	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

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)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Avoided	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Subtotal	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Sequestered	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Subtotal	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Removed	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Subtotal	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Daily, Winter Max)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Avoided	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Subtotal	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Sequestered	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Subtotal	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Removed	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Subtotal	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Annual	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Avoided	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Subtotal	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

Sequest	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Subtotal	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Remove d	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Subtotal	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Foundation Installation	Site Preparation	6/18/2025	9/9/2025	5.00	60.0	2
Construction Prep and Site Grading	Grading	1/1/2025	2/11/2025	5.00	30.0	2
Electrical Work	Building Construction	9/10/2025	1/27/2026	5.00	100	2
Enclosure Installation	Building Construction	1/28/2026	6/16/2026	5.00	100	2
Excavation and Undergrounding	Trenching	2/12/2025	6/17/2025	5.00	90.0	2

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
Foundation Installation	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Foundation Installation	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43
Foundation Installation	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Foundation Installation	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37

Construction Prep and Site Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Construction Prep and Site Grading	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Construction Prep and Site Grading	Graders	Diesel	Average	2.00	8.00	148	0.41
Construction Prep and Site Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Construction Prep and Site Grading	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Electrical Work	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Electrical Work	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Electrical Work	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Enclosure Installation	Cranes	Diesel	Average	1.00	8.00	367	0.29
Enclosure Installation	Forklifts	Diesel	Average	2.00	8.00	82.0	0.20
Enclosure Installation	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Enclosure Installation	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Enclosure Installation	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Excavation and Undergrounding	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Excavation and Undergrounding	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Excavation and Undergrounding	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Excavation and Undergrounding	Rollers	Diesel	Average	2.00	8.00	36.0	0.38

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One Way Trips per Day	Miles per Trip	Vehicle Mix
Construction Prep and Site Grading	2	2	2	2
Construction Prep and Site Grading	Worker	200	12.0	LDA,LDT1,LDT2
Construction Prep and Site Grading	Vendor	30.0	7.63	HHDT,MHDT
Construction Prep and Site Grading	Hauling	8.00	20.0	HHDT
Construction Prep and Site Grading	Onsite truck	4.00	3.00	HHDT
Excavation and Undergrounding	2	2	2	2
Excavation and Undergrounding	Worker	200	12.0	LDA,LDT1,LDT2
Excavation and Undergrounding	Vendor	30.0	7.63	HHDT,MHDT
Excavation and Undergrounding	Hauling	8.00	20.0	HHDT
Excavation and Undergrounding	Onsite truck	4.00	4.00	HHDT
Foundation Installation	2	2	2	2
Foundation Installation	Worker	200	12.0	LDA,LDT1,LDT2
Foundation Installation	Vendor	30.0	7.63	HHDT,MHDT
Foundation Installation	Hauling	8.00	20.0	HHDT
Foundation Installation	Onsite truck	4.00	4.00	HHDT
Electrical Work	2	2	2	2
Electrical Work	Worker	200	12.0	LDA,LDT1,LDT2
Electrical Work	Vendor	30.0	7.63	HHDT,MHDT
Electrical Work	Hauling	8.00	20.0	HHDT
Electrical Work	Onsite truck	4.00	4.00	HHDT
Enclosure Installation	2	2	2	2
Enclosure Installation	Worker	200	12.0	LDA,LDT1,LDT2
Enclosure Installation	Vendor	30.0	7.63	HHDT,MHDT
Enclosure Installation	Hauling	8.00	20.0	HHDT
Enclosure Installation	Onsite truck	4.00	4.00	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

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

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)
Foundation Installation	0.00	0.00	0.00	0.00	0
Construction Prep and Site Grading	3,000	0.00	60.0	0.00	0

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved acres)	% Asphalt
General Heavy Industry	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	589	0.03	< 0.005

2026	0.00	589	0.03	< 0.005

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
Total all Land Uses	0.41	0.41	0.41	150	8.22	8.22	8.22	3,000

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	1,308,000	436,000	2

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

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)
General Heavy Industry	0.00	589	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water gal/year)	Outdoor Water gal/year)
General Heavy Industry	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste ton/year)	Cogeneration (kWh/year)
General Heavy Industry	0.00	2

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
General Heavy Industry	Other commercial A/C and heat pumps	R-410A	2,088	0.00	4.00	4.00	18.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

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

5.16.2. Process Boilers

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

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

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)

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	9.33	annual days of extreme heat
Extreme Precipitation	4.10	annual days with precipitation above 20 mm
Sea Level Rise	2	meters of inundation depth
Wildfire	46.4	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	N/A	N/A	N/A	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	0	0	0	N/A

Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	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 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	48.5
AQ-PM	25.4
AQ-DPM	12.7
Drinking Water	60.1
Lead Risk Housing	47.9
Pesticides	51.5
Toxic Releases	16.0
Traffic	97.1
Effect Indicators	≥
CleanUp Sites	87.9
Groundwater	98.7
Haz Waste Facilities/Generators	99.1
Impaired Water Bodies	96.8
Solid Waste	91.8
Sensitive Population	≥
Asthma	0.51
Cardio-vascular	4.22
Low Birth Weights	28.5
Socioeconomic Factor Indicators	≥
Education	3.11
Housing	99.6
Linguistic	12.3
Poverty	74.2
Unemployment	75.4

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	27.46054151
Employed	0.025664057
Median HI	21.90427307
Education	--
Bachelor's or higher	40.56204286
High school enrollment	23.31579623
Preschool enrollment	19.49185166
Transportation	--
Auto Access	98.98626973
Active commuting	96.67650456
Social	--
2-parent households	67.48363916
Voting	6.762479148
Neighborhood	--
Alcohol availability	97.0101373
Park access	6.621326832
Retail density	2.476581548
Supermarket access	6.480174516
Tree canopy	46.65725651
Housing	--
Homeownership	0.320800719
Housing habitability	37.13589118
Low-inc homeowner severe housing cost burden	99.12742205

Low-inc renter severe housing cost burden	13.82009496
Uncrowded housing	75.52932119
Health Outcomes	≥
Insured adults	99.97433594
Arthritis	0.0
Asthma ER Admissions	88.0
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	0.4
Cognitively Disabled	88.7
Physically Disabled	99.1
Heart Attack ER Admissions	91.9
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	39.2
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	≥
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	≥

Wildfire Risk	0.0
SLR Inundation Area	69.9
Children	0.3
Elderly	99.5
English Speaking	96.1
Foreign-born	2.0
Outdoor Workers	23.1
Climate Change Adaptive Capacity	--
Impervious Surface Cover	82.3
Traffic Density	94.2
Traffic Access	23.0
Other Indices	--
Hardship	36.4
Other Decision Support	--
2016 Voting	14.4

7.3. Overall Health Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location a)	49.0
Healthy Places Index Score for Project Location b)	14.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

7.4. Health Equity Measures

No Health Equity Measures selected.

7.5. Evaluation Scorecard

Health Equity Evaluation Scorecard not completed.

7.6. Health Equity Custom Measures

No Health Equity Custom Measures created.

8. User Changes to Default Data

Screen	ustification
Construction: Construction Phases	Estimated Construction Schedule
Construction: Off-Road Equipment	Estimated Equipment List
Construction: Trips and VMT	Estimated vehicles
Operations: Consumer Products	No consumer products
Operations: Architectural Coatings	No architectural coatings
Operations: Energy Use	Battery storage
Operations: Water and Waste Water	No onsite operational employees or water use
Operations: Solid Waste	No solid waste generation
Operations: Refrigerants	No refridgerant usage
Operations: Off-Road Equipment	Estimated that the backup generators could be needed up to 1000 hours a year for emergency and military training purposes
Operations: Emergency Generators and Fire Pumps	3 standby generators for emergency use. Estimated up to 1000 hours of use per year.

Camp Pendleton Demo Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Camp Pendleton Demo
Construction Start Date	1/1/2046
Operational Year	2047
Lead Agency	≥
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed m/s)	1.80
Precipitation (days)	3.80
Location	33.31644473521477, -117.3282690034401
County	San Diego
City	Unincorporated
Air District	San Diego County APCD
Air Basin	San Diego
TAZ	6246
EDFZ	12
Electric Utility	San Diego Gas Electric
Gas Utility	San Diego Gas Electric
App Version	2022.1.1.23

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area sq ft)	Special Landscape Area (sq ft)	Population	Description

General Heavy Industry	871	1000sqft	20.0	871,000	—	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

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)

Daily, Summer Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.96	1.64	11.8	14.5	0.05	0.30	50.5	50.8	0.28	10.6	10.8	—	5,487	5,487	0.20	0.17	0.24	5,543
Daily, Winter Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.96	1.63	11.8	14.5	0.05	0.30	50.5	50.8	0.28	10.6	10.8	—	5,476	5,476	0.20	0.17	0.01	5,531
Average Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.05	0.87	6.31	7.73	0.03	0.16	26.8	26.9	0.15	5.62	5.77	—	2,926	2,926	0.10	0.09	0.06	2,956
Annual Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.19	0.16	1.15	1.41	< 0.005	0.03	4.88	4.91	0.03	1.03	1.05	—	484	484	0.02	0.01	0.01	489

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)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2046	1.96	1.64	11.8	14.5	0.05	0.30	50.5	50.8	0.28	10.6	10.8	--	5,487	5,487	0.20	0.17	0.24	5,543
Daily - Winter Max)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2046	1.96	1.63	11.8	14.5	0.05	0.30	50.5	50.8	0.28	10.6	10.8	--	5,476	5,476	0.20	0.17	0.01	5,531
Average Daily	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2046	1.05	0.87	6.31	7.73	0.03	0.16	26.8	26.9	0.15	5.62	5.77	--	2,926	2,926	0.10	0.09	0.06	2,956
Annual	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2046	0.19	0.16	1.15	1.41	< 0.005	0.03	4.88	4.91	0.03	1.03	1.05	--	484	484	0.02	0.01	0.01	489

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.	6.75	6.23	0.32	37.9	< 0.005	0.07	0.00	0.07	0.05	0.00	0.05	0.00	156	156	0.01	< 0.005	--	--
Daily, Winter Max)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Unmit.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	--	--
Average Daily Max)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Unmit.	3.33	3.07	0.16	18.7	< 0.005	0.03	0.00	0.03	0.03	0.00	0.03	0.00	76.8	76.8	< 0.005	< 0.005	--	--
Annual Max)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Unmit.	0.61	0.56	0.03	3.41	< 0.005	0.01	0.00	0.01	< 0.005	0.00	< 0.005	0.00	12.7	12.7	< 0.005	< 0.005	--	--

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	6.75	6.23	0.32	37.9	< 0.005	0.07	—	0.07	0.05	—	0.05	—	156	156	0.01	< 0.005	—	156
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Water	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Waste	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	NaN	NaN
Total	6.75	6.23	0.32	37.9	< 0.005	0.07	0.00	0.07	0.05	0.00	0.05	0.00	156	156	0.01	< 0.005	NaN	NaN
Daily, Winter Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Water	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Waste	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	NaN	NaN
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	0.00	0.00	NaN	NaN
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	3.33	3.07	0.16	18.7	< 0.005	0.03	—	0.03	0.03	—	0.03	—	76.8	76.8	< 0.005	< 0.005	—	77.1
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Water	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Waste	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	NaN	NaN
Total	3.33	3.07	0.16	18.7	< 0.005	0.03	0.00	0.03	0.03	0.00	0.03	0.00	76.8	76.8	< 0.005	< 0.005	NaN	NaN
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	0.61	0.56	0.03	3.41	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	12.7	12.7	< 0.005	< 0.005	—	12.8
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Water	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Waste	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	NaN	NaN
Total	0.61	0.56	0.03	3.41	< 0.005	0.01	0.00	0.01	< 0.005	0.00	< 0.005	0.00	12.7	12.7	< 0.005	< 0.005	NaN	NaN

3. Construction Emissions Details

3.1. Demolition 2046) - 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 Equipmen	1.87	1.57	10.7	13.5	0.04	0.29	—	0.29	0.26	—	0.26	—	4,416	4,416	0.18	0.04	—	4,432
Dust From Material Movemen	—	—	—	—	—	—	13.1	13.1	—	6.73	6.73	—	—	—	—	—	—	—
Demolitio n	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—

Onsite truck	0.01	< 0.005	0.12	0.07	< 0.005	< 0.005	36.8	36.8	< 0.005	3.67	3.67	—	66.4	66.4	< 0.005	0.01	0.02	69.6
Daily, Winter Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	1.87	1.57	10.7	13.5	0.04	0.29	—	0.29	0.26	—	0.26	—	4,416	4,416	0.18	0.04	—	4,432
Dust From Material Movemen	—	—	—	—	—	—	13.1	13.1	—	6.73	6.73	—	—	—	—	—	—	—
Demolitio n	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.13	0.07	< 0.005	< 0.005	36.8	36.8	< 0.005	3.67	3.67	—	66.6	66.6	< 0.005	0.01	< 0.005	69.8
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	1.00	0.84	5.72	7.22	0.02	0.15	—	0.15	0.14	—	0.14	—	2,359	2,359	0.10	0.02	—	2,368
Dust From Material Movemen	—	—	—	—	—	—	7.00	7.00	—	3.60	3.60	—	—	—	—	—	—	—
Demolitio n	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.07	0.04	< 0.005	< 0.005	19.5	19.5	< 0.005	1.94	1.94	—	35.5	35.5	< 0.005	0.01	< 0.005	37.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	0.18	0.15	1.04	1.32	< 0.005	0.03	—	0.03	0.03	—	0.03	—	391	391	0.02	< 0.005	—	392
Dust From Material Movemen	—	—	—	—	—	—	1.28	1.28	—	0.66	0.66	—	—	—	—	—	—	—

Demolition	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	3.55	3.55	< 0.005	0.35	0.35	—	5.88	5.88	< 0.005	< 0.005	< 0.005	6.17
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.03	0.56	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	226	226	< 0.005	< 0.005	0.06	226
Vendor	0.02	0.01	0.35	0.18	< 0.005	< 0.005	0.13	0.13	< 0.005	0.04	0.04	—	292	292	0.01	0.04	0.04	305
Hauling	0.02	0.01	0.57	0.21	< 0.005	0.01	0.19	0.19	0.01	0.05	0.06	—	487	487	0.01	0.08	0.13	510
Daily, Winter Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.03	0.49	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	213	213	< 0.005	< 0.005	< 0.005	214
Vendor	0.02	0.01	0.37	0.19	< 0.005	< 0.005	0.13	0.13	< 0.005	0.04	0.04	—	292	292	0.01	0.04	< 0.005	305
Hauling	0.02	0.01	0.60	0.21	< 0.005	0.01	0.19	0.19	0.01	0.05	0.06	—	487	487	0.01	0.08	< 0.005	510
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.01	0.27	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	115	115	< 0.005	< 0.005	0.01	115
Vendor	0.01	0.01	0.19	0.10	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	156	156	< 0.005	0.02	0.01	163
Hauling	0.01	0.01	0.32	0.11	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	260	260	< 0.005	0.04	0.03	273
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	19.0	19.0	< 0.005	< 0.005	< 0.005	19.1
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	25.8	25.8	< 0.005	< 0.005	< 0.005	27.0
Hauling	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	43.1	43.1	< 0.005	0.01	< 0.005	45.1

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

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)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
General Heavy Industry	2	2	2	2	2	2	2	2	2	2	2	2	0.00	0.00	0.00	0.00	2	0.00
Total	2	2	2	2	2	2	2	2	2	2	2	2	0.00	0.00	0.00	0.00	2	0.00
Daily, Winter Max)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
General Heavy Industry	2	2	2	2	2	2	2	2	2	2	2	2	0.00	0.00	0.00	0.00	2	0.00
Total	2	2	2	2	2	2	2	2	2	2	2	2	0.00	0.00	0.00	0.00	2	0.00
Annual	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
General Heavy Industry	2	2	2	2	2	2	2	2	2	2	2	2	0.00	0.00	0.00	0.00	2	0.00
Total	2	2	2	2	2	2	2	2	2	2	2	2	0.00	0.00	0.00	0.00	2	0.00

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)																		
General Heavy 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
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)																		
General Heavy 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
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																		
General Heavy 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
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

4.3. 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		0.00																

Architect Coatings	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	6.75	6.23	0.32	37.9	< 0.005	0.07	—	0.07	0.05	—	0.05	—	156	156	0.01	< 0.005	—	156
Total	6.75	6.23	0.32	37.9	< 0.005	0.07	—	0.07	0.05	—	0.05	—	156	156	0.01	< 0.005	—	156
Daily, Winter Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.61	0.56	0.03	3.41	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	12.7	12.7	< 0.005	< 0.005	—	12.8
Total	0.61	0.56	0.03	3.41	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	12.7	12.7	< 0.005	< 0.005	—	12.8

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)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
General Heavy Industry	2	2	2	2	2	2	2	2	2	2	2	0.00	0.00	0.00	0.00	0.00	2	0.00
Total	2	2	2	2	2	2	2	2	2	2	2	0.00	0.00	0.00	0.00	0.00	2	0.00
Daily, Winter Max)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
General Heavy Industry	2	2	2	2	2	2	2	2	2	2	2	0.00	0.00	0.00	0.00	0.00	2	0.00
Total	2	2	2	2	2	2	2	2	2	2	2	0.00	0.00	0.00	0.00	0.00	2	0.00
Annual	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
General Heavy Industry	2	2	2	2	2	2	2	2	2	2	2	0.00	0.00	0.00	0.00	0.00	2	0.00
Total	2	2	2	2	2	2	2	2	2	2	2	0.00	0.00	0.00	0.00	0.00	2	0.00

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)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

General Heavy Industry	2	2	2	2	2	2	2	2	2	2	2	0.00	0.00	0.00	0.00	0.00	2	0.00
Total	2	2	2	2	2	2	2	2	2	2	2	0.00	0.00	0.00	0.00	0.00	2	0.00
Daily, Winter Max)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
General Heavy Industry	2	2	2	2	2	2	2	2	2	2	2	0.00	0.00	0.00	0.00	0.00	2	0.00
Total	2	2	2	2	2	2	2	2	2	2	2	0.00	0.00	0.00	0.00	0.00	2	0.00
Annual	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
General Heavy Industry	2	2	2	2	2	2	2	2	2	2	2	0.00	0.00	0.00	0.00	0.00	2	0.00
Total	2	2	2	2	2	2	2	2	2	2	2	0.00	0.00	0.00	0.00	0.00	2	0.00

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)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
General Heavy Industry	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	NaN	NaN
Total	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	NaN	NaN
Daily, Winter Max)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

General Heavy Industry	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	NaN	NaN
Total	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	NaN	NaN
Annual	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
General Heavy Industry	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	NaN	NaN
Total	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	NaN	NaN

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)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Total	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Daily, Winter Max)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Total	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Annual	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Total	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

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)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Total	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Daily, Winter Max)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Total	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Annual	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Total	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

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)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Total	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Daily, Winter Max)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Total	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Annual	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Total	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

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)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Total	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Daily, Winter Max)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Total	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Annual	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Total	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

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)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Total	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Daily, Winter Max)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Total	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Annual	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Total	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

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)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Avoided	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Subtotal	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Sequestered	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Subtotal	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Removed	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Subtotal	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Daily, Winter Max)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Avoided	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Subtotal	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Sequestered	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Subtotal	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Removed	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Subtotal	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Annual	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Avoided	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Subtotal	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

Sequest	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Subtotal	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Removed	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Subtotal	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

5. Activity Data

5.1. Construction Schedule

Demolition	Demolition	1/1/2046	9/30/2046	5.00	195	2

5.2. Off-Road Equipment

5.2.1. Unmitigated

Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Demolition	Cranes	Diesel	Average	1.00	8.00	367	0.29

5.3. Construction Vehicles

5.3.1. Unmitigated

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

Demolition	2	2	2	2
Demolition	Worker	30.0	12.0	LDA,LDT1,LDT2
Demolition	Vendor	20.0	7.63	HHDT,MHDT
Demolition	Hauling	10.0	20.0	HHDT
Demolition	Onsite truck	5.00	5.00	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

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

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported Cubic Yards)	Material Exported Cubic Yards)	Acres Graded acres)	Material Demolished (Ton of Debris)	Acres Paved acres)
Demolition	2	780	195	0.00	2

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved acres)	% Asphalt
General Heavy Industry	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2046	0.00	589	0.03	< 0.005

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
Total all Land Uses	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	1,306,500	435,500	2

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

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)
General Heavy Industry	0.00	589	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water gal/year)	Outdoor Water gal/year)
General Heavy Industry	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste ton/year)	Cogeneration (kWh/year)
General Heavy Industry	0.00	=

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
General Heavy Industry	Other commercial A/C and heat pumps	R-410A	0.00	0.00	0.00	0.00	0.00

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

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

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

5.16.2. Process Boilers

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

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

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)

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	9.33	annual days of extreme heat
Extreme Precipitation	4.10	annual days with precipitation above 20 mm
Sea Level Rise	2	meters of inundation depth
Wildfire	46.4	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	N/A	N/A	N/A	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	0	0	0	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	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 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	48.5
AQ-PM	25.4
AQ-DPM	12.7
Drinking Water	60.1
Lead Risk Housing	47.9
Pesticides	51.5
Toxic Releases	16.0
Traffic	97.1
Effect Indicators	--
CleanUp Sites	87.9
Groundwater	98.7
Haz Waste Facilities/Generators	99.1
Impaired Water Bodies	96.8
Solid Waste	91.8
Sensitive Population	--
Asthma	0.51
Cardio-vascular	4.22
Low Birth Weights	28.5
Socioeconomic Factor Indicators	--
Education	3.11
Housing	99.6

Linguistic	12.3
Poverty	74.2
Unemployment	75.4

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	27.46054151
Employed	0.025664057
Median HI	21.90427307
Education	--
Bachelor's or higher	40.56204286
High school enrollment	23.31579623
Preschool enrollment	19.49185166
Transportation	--
Auto Access	98.98626973
Active commuting	96.67650456
Social	--
2-parent households	67.48363916
Voting	6.762479148
Neighborhood	--
Alcohol availability	97.0101373
Park access	6.621326832
Retail density	2.476581548
Supermarket access	6.480174516
Tree canopy	46.65725651

Housing	≥
Homeownership	0.320800719
Housing habitability	37.13589118
Low-inc homeowner severe housing cost burden	99.12742205
Low-inc renter severe housing cost burden	13.82009496
Uncrowded housing	75.52932119
Health Outcomes	≥
Insured adults	99.97433594
Arthritis	0.0
Asthma ER Admissions	88.0
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	0.4
Cognitively Disabled	88.7
Physically Disabled	99.1
Heart Attack ER Admissions	91.9
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	39.2
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	≥

Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	--
Wildfire Risk	0.0
SLR Inundation Area	69.9
Children	0.3
Elderly	99.5
English Speaking	96.1
Foreign-born	2.0
Outdoor Workers	23.1
Climate Change Adaptive Capacity	--
Impervious Surface Cover	82.3
Traffic Density	94.2
Traffic Access	23.0
Other Indices	--
Hardship	36.4
Other Decision Support	--
2016 Voting	14.4

7.3. Overall Health Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location a)	49.0
Healthy Places Index Score for Project Location b)	14.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

7.4. Health Equity Measures

No Health Equity Measures selected.

7.5. Evaluation Scorecard

Health Equity Evaluation Scorecard not completed.

7.6. Health Equity Custom Measures

No Health Equity Custom Measures created.

8. User Changes to Default Data

Screen	ustification
Construction: Construction Phases	≥
Construction: Off-Road Equipment	Estimated Equipment
Construction: Dust From Material Movement	Approximate. Based on Construction imported material
Operations: Consumer Products	No operation for Demo Phase
Operations: Architectural Coatings	No operation for Demo Phase
Operations: Energy Use	No operation for Demo Phase
Operations: Water and Waste Water	No operation for Demo Phase
Operations: Solid Waste	No operation for Demo Phase
Operations: Refrigerants	No operation for Demo Phase
Construction: Demolition	≥
Construction: Trips and VMT	Estimated construction