Appendix A

Air Quality Modeling Files

ESA

21611 South Perry Street

Construction Assumptions

Project Site Acreage 2.8

Project Summary

Land Use	CalEEMod Landuse Type	Unit Amount	Size Metrics	Lot Acreage	Square Feet	
Commercial	General Office Building	2.425	1000sqft	0.2	700	Postal Annex
Recreational	High Turnover (Sit Down Restaurant)	1.55	1000sqft	0.2	1,550	Café
Retail	Strip Mall	0.7	1000sqft	0.2	2,425	elf-Storage Office
Industrial	Unrefrigerated Warehouse-No Rail	109.039	1000sqft	0.5	109,039	Storage Area
Parking	Parking Lot	41	Space	0.2	16,400	Parking
Recreational	City Park	0.528	Acre	1.5	23,000	Landscape Area
				2.8	153114	

Notes

1 Land use acreage is an estimate of the total site acreage of 5 acres

Project Description

Location	CEC Forecasting Climate Zone	Start of Construction	Operational Year	Utility Company
Los Angeles County	11	1-Jan-23	2024	Southern California Edison Company

Construction Schedule

Phase Name	CalEEMod Phase Type	Start Date	End Date	Total Days	# of Workers per day	Total One-way Worker Trips per day	Trip Length	Vendor Trips per day	Total One-Way Vendor Trips per day	Trip Length	Total Haul Trucks	Total One-way Haul Trips	Trucks per day	Trip Length
Demo & Site Preparation		1/1/2023	2/1/2023	23	8	16	14.7		0	6.9	115	230	5	42
Grading/Excavation		2/1/2023	3/1/2023	21	10	20	14.7		0	6.9	315	630	15	20
Drainage/Utilities/Trenching		3/1/2023	5/1/2023	44	20	40	14.7		0	6.9	132	264	3	20
Foundations/Concrete Pour		5/1/2023	6/1/2023	24	30	60	14.7	9	18	6.9	48	96	2	20
Building Construction		6/1/2023	2/1/2024	176	75	150	14.7		0	6.9	0	0	0	20
Paving		1/1/2024	1/31/2024	23	10	20	14.7	4	8	6.9	115	230	5	20
Architectural Coatings		11/1/2023	2/1/2024	67	8	16	14.7		0	6.9	0	0	0	20
Other 1: Landscaping		11/1/2023	2/1/2024	67	8	16	14.7		0	6.9	67	134	1	20

Note: Foundation/Concrete Pour Vendor Truck assumes 10 cy/truck for concrete spread throughout the 24 days of the phase.

Building Construction Vendor Trucks taken from CalEEMod Defaults 0

21611 South Perry Street

Regional Emissions

Air Quality Construction Analysis

Regional Maximums Source	ROG	NOX	CO	SO2 lb/day	Total PM10	Total PM2.5
3.2 Demo & Site Preparation - 2023	1.8	17.8	23.6	0.05	1.0	0.8
3.3 Grading/Excavation - 2023	5.1	60.1	47.2	0.14	4.7	2.4
3.4 Drainage/Utilities/Trenching - 2023	2.2	20.5	28.6	0.06	1.1	0.9
3.5 Foundations/Concrete Pour - 2023	1.8	17.6	25.0	0.05	1.0	0.8
3.6 Building Construction - 2023	3.3	29.0	41.5	0.08	1.7	1.4
3.6 Building Construction - 2024	3.1	27.3	40.9	0.08	1.6	1.2
3.7 Architectural Coating - 2023	16.2	3.1	5.0	0.01	0.2	0.1
3.7 Architectural Coating - 2024	16.2	3.0	5.0	0.01	0.2	0.1
3.8 Landscaping - 2023	0.1	0.6	2.5	0.01	0.1	0.1
3.8 Landscaping - 2024	0.1	0.5	2.4	0.01	0.1	0.1
3.9 Paving - 2024	2.0	20.8	28.6	0.06	1.1	0.9
Overlapping Phases						
	ROG	**NOX**	**CO**	**SO2**	**Total PM10**	**Total PM2.5**
3.6 Building Construction - 2023 and 3.8 Architectural Coatings - 2023 and 3.9 Landscaping - 2023	19.6	32.7	49.0	0.1	2.0	1.6
3.6 Building Construction - 2024 and 3.7 Paving - 2024 and 3.8 Architectural Coatings - 2024 and 3.9 Landscaping - 2024	21.4	51.6	76.9	0.2	3.0	2.3
3.6 Building Construction - 2024 and 3.8 Architectural Coatings - 2024 and 3.9 Landscaping - 2024	19.4	30.8	48.4	0.1	1.9	1.4
Project Daily Maximum Emissions	**21.4**	**60.1**	**76.9**	**0.2**	**4.7**	**2.4**
SCAQMD Regional Significance Threshold	75	100	550	150	150	55
Exceeds Threshold?	No	No	No	No	No	No

21611 South Perry Street

Summer

Air Quality Construction Analysis

Summer Regional Emissions	Onsite Emissions						Offsite Emissions					
	ROG	NOX	CO	SO2	Total PM10	Total PM2.5	ROG	NOX	CO	SO2	Total PM10	Total PM2.5
Source	lb/day						lb/day					
3.2 Demo & Site Preparation - 2023	1.80	15.27	21.42	0.03	0.76	0.73	0.03	2.58	2.14	0.02	0.24	0.08
3.3 Grading/Excavation - 2023	5.07	52.41	41.85	0.09	4.03	2.21	0.06	7.65	5.33	0.05	0.64	0.21
3.4 Drainage/Utilities/Trenching - 2023	2.16	18.83	26.12	0.04	0.91	0.88	0.04	1.64	2.47	0.01	0.23	0.06
3.5 Foundations/Concrete Pour - 2023	1.73	15.13	20.88	0.03	0.70	0.68	0.06	2.45	4.12	0.02	0.29	0.08
3.6 Building Construction - 2023	3.21	28.55	35.65	0.06	1.32	1.27	0.11	0.46	5.86	0.02	0.42	0.08
3.6 Building Construction - 2024	3.03	26.86	35.55	0.06	1.16	1.12	0.10	0.41	5.40	0.01	0.42	0.08
3.7 Architectural Coating - 2023	16.16	3.07	4.41	0.01	0.13	0.13	0.01	0.05	0.62	0.00	0.04	0.01
3.7 Architectural Coating - 2024	16.14	2.94	4.41	0.01	0.12	0.11	0.01	0.04	0.58	0.00	0.04	0.01
3.8 Landscaping - 2023	0.12	0.00	1.57	0.00	0.04	0.04	0.01	0.55	0.93	0.00	0.08	0.02
3.8 Landscaping - 2024	0.12	0.00	1.57	0.00	0.04	0.04	0.01	0.53	0.87	0.00	0.08	0.02
3.9 Paving - 2024	1.98	17.79	25.84	0.04	0.87	0.81	0.03	3.03	2.72	0.02	0.27	0.08

Regional Emissions	ROG	NOX	CO	SO2	Total PM10	Total PM2.5
3.2 Demo & Site Preparation - 2023	1.82	17.85	23.56	0.05	1.01	0.81
3.3 Grading/Excavation - 2023	5.13	60.06	47.17	0.14	4.67	2.42
3.4 Drainage/Utilities/Trenching - 2023	2.20	20.47	28.59	0.06	1.14	0.94
3.5 Foundations/Concrete Pour - 2023	1.79	17.57	25.00	0.05	1.00	0.76
3.6 Building Construction - 2023	3.32	29.01	41.51	0.08	1.74	1.36
3.6 Building Construction - 2024	3.13	27.27	40.95	0.08	1.58	1.21
3.7 Architectural Coating - 2023	16.17	3.12	5.03	0.01	0.18	0.14
3.7 Architectural Coating - 2024	16.15	2.98	4.98	0.01	0.16	0.12
3.8 Landscaping - 2023	0.13	0.55	2.50	0.01	0.13	0.06
3.8 Landscaping - 2024	0.13	0.53	2.45	0.01	0.12	0.06
3.9 Paving - 2024	2.02	20.82	28.57	0.06	1.14	0.90

Overlapping Phases

	ROG	NOX	CO	SO2	Total PM10	Total PM2.5
3.6 Building Construction - 2023 and 3.8 Architectural Coatings - 2023 and 3.9 Landscaping - 2023	19.6	32.7	49.0	0.1	2.0	1.6
3.6 Building Construction - 2024 and 3.7 Paving - 2024 and 3.8 Architectural Coatings - 2024 and 3.9 Landscaping - 2024	21.4	51.6	76.9	0.2	3.0	2.3
3.6 Building Construction - 2024 and 3.8 Architectural Coatings - 2024 and 3.9 Landscaping - 2024	19.4	30.8	48.4	0.1	1.9	1.4
Project Daily Maximum Emissions	**21.43**	**60.06**	**76.95**	**0.15**	**4.67**	**2.42**

21611 South Perry Street

Winter

Air Quality Construction Analysis

Winter Regional Emissions	Onsite Emissions						Offsite Emissions					
	ROG	NOX	CO	SO2	Total PM10	Total PM2.5	ROG	NOX	CO	SO2	Total PM10	Total PM2.5
Source	lb/day						lb/day					
3.2 Demo & Site Preparation - 2023	1.80	15.27	21.42	0.034	0.76	0.73	0.03	2.58	2.14	0.02	0.24	0.08
3.3 Grading/Excavation - 2023	5.07	52.41	41.85	0.095	4.03	2.21	0.06	7.65	5.33	0.05	0.64	0.21
3.4 Drainage/Utilities/Trenching - 2023	2.16	18.83	26.12	0.043	0.91	0.88	0.04	1.64	2.47	0.01	0.23	0.06
3.5 Foundations/Concrete Pour - 2023	1.73	15.13	20.88	0.034	0.70	0.68	0.06	2.45	4.12	0.02	0.29	0.08
3.6 Building Construction - 2023	3.21	28.55	35.65	0.061	1.32	1.27	0.11	0.46	5.86	0.02	0.42	0.08
3.6 Building Construction - 2024	3.03	26.86	35.55	0.061	1.164	1.12	0.10	0.41	5.40	0.01	0.42	0.08
3.7 Architectural Coating - 2023	16.16	3.07	4.41	0.007	0.130	0.13	0.01	0.05	0.62	0.00	0.04	0.01
3.7 Architectural Coating - 2024	16.14	2.94	4.41	0.007	0.116	0.11	0.01	0.04	0.58	0.00	0.04	0.01
3.8 Landscaping - 2023	0.12	0.00	1.57	0.003	0.042	0.04	0.01	0.55	0.93	0.00	0.08	0.02
3.8 Landscaping - 2024	0.12	0.00	1.57	0.003	0.040	0.04	0.01	0.53	0.87	0.00	0.08	0.02
3.9 Paving - 2024	1.98	17.79	25.84	0.040	0.873	0.81	0.03	3.03	2.72	0.02	0.27	0.08

Regional Emissions	ROG	NOX	CO	SO2	Total PM10	Total PM2.5
3.2 Demo & Site Preparation - 2023	1.8	17.8	23.6	0.1	1.0	0.8
3.3 Grading/Excavation - 2023	5.1	60.1	47.2	0.1	4.7	2.4
3.4 Drainage/Utilities/Trenching - 2023	2.2	20.5	28.6	0.1	1.1	0.9
3.5 Foundations/Concrete Pour - 2023	1.8	17.6	25.0	0.1	1.0	0.8
3.6 Building Construction - 2023	3.3	29.0	41.5	0.1	1.7	1.4
3.6 Building Construction - 2024	3.1	27.3	40.9	0.1	1.6	1.2
3.7 Architectural Coating - 2023	16.2	3.1	5.0	0.0	0.2	0.1
3.7 Architectural Coating - 2024	16.2	3.0	5.0	0.0	0.2	0.1
3.8 Landscaping - 2023	0.1	0.6	2.5	0.0	0.1	0.1
3.8 Landscaping - 2024	0.1	0.5	2.4	0.0	0.1	0.1
3.9 Paving - 2024	2.0	20.8	28.6	0.1	1.1	0.9

Overlapping Phases	ROG	NOX	CO	SO2	Total PM10	Total PM2.5
3.6 Building Construction - 2023 and 3.8 Architectural Coatings - 2023 and 3.9 Landscaping - 2023	19.6	32.7	49.0	0.1	2.0	1.6
3.6 Building Construction - 2024 and 3.7 Paving - 2024 and 3.8 Architectural Coatings - 2024 and 3.9 Landscaping - 2024	21.4	51.6	76.9	0.2	3.0	2.3
3.6 Building Construction - 2024 and 3.8 Architectural Coatings - 2024 and 3.9 Landscaping - 2024	19.4	30.8	48.4	0.1	1.9	1.4
Project Daily Maximum Emissions	**21.43**	**60.06**	**76.95**	**0.15**	**4.67**	**2.42**

21611 South Perry Street

Air Quality Construction Analysis

Localized Emissions **Source**	**NOX**	**CO**	**Total PM10**	**Total PM2.5**
3.2 Demo & Site Preparation - 2023	15.27	21.42	0.76	0.73
3.3 Grading/Excavation - 2023	52.41	41.85	4.03	2.21
3.4 Drainage/Utilities/Trenching - 2023	18.83	26.12	0.91	0.88
3.5 Foundations/Concrete Pour - 2023	15.13	20.88	0.70	0.68
3.6 Building Construction - 2023	28.55	35.65	1.32	1.27
3.6 Building Construction - 2024	26.86	35.55	1.16	1.12
3.7 Architectural Coating - 2023	3.07	4.41	0.13	0.13
3.7 Architectural Coating - 2024	2.94	4.41	0.12	0.11
3.8 Landscaping - 2023	0.00	1.57	0.04	0.04
3.8 Landscaping - 2024	0.00	1.57	0.04	0.04
3.9 Paving - 2024	17.79	25.84	0.87	0.81
Localized Emissions	**NOX**	**CO**	**Total PM10**	**Total PM2.5**
3.2 Demo & Site Preparation - 2023	15	21	1	1
3.3 Grading/Excavation - 2023	52	42	4	2
3.4 Drainage/Utilities/Trenching - 2023	19	26	1	1
3.5 Foundations/Concrete Pour - 2023	15	21	1	1
3.6 Building Construction - 2023	29	36	1	1
3.6 Building Construction - 2024	27	36	1	1
3.7 Architectural Coating - 2023	3	4	0	0
3.7 Architectural Coating - 2024	3	4	0	0
3.8 Landscaping - 2023	0	2	0	0
3.8 Landscaping - 2024	0	2	0	0
3.9 Paving - 2024	18	26	1	1
Overlapping Phases				
	NOX	**CO**	**Total PM10**	**Total PM2.5**
3.6 Building Construction - 2023 and 3.8 Architectural Coatings - 2023 and 3.9 Landscaping - 2023	31.6	41.6	1.5	1.4
3.6 Building Construction - 2024 and 3.7 Paving - 2024 and 3.8 Architectural Coatings - 2024 and 3.9 Landscaping - 2024	47.6	67.4	2.2	2.1
3.6 Building Construction - 2024 and 3.8 Architectural Coatings - 2024 and 3.9 Landscaping - 2024	47.6	41.5	2.1	1.3
Project Daily Maximum Emissions	**52.4**	**67.4**	**4.0**	**2.2**
SCAQMD LST Significance Threshold	82.0	842.0	7.0	5.0
Exceeds Threshold?	No	No	No	No

21611 Perry Street

Total On-Road Emissions

260 Max construction days per year

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Idling per Day (minutes)
Demo & Site Preparation	2023				
Total Haul Trips	230				
Hauling	10	23	8	42	15
Vendor	0	23	8	6.9	15
Worker	16	23	8	14.7	0
					Total:
Grading/Excavation	2023				
Total Haul Trips	630				
Hauling	30	21	8	42	15
Vendor	0	21	8	6.9	15
Worker	20	21	8	14.7	0
					Total:
Drainage/Utilities/Trenching	2023				
Total Haul Trips	264				
Hauling	6	44	8	42	15
Vendor	0	44	8	6.9	15
Worker	40	44	8	14.7	0
					Total:
Foundations/Concrete Pour	2023				
Total Haul Trips	96				
Hauling	4	24	8	42	15
Vendor	18	24	8	6.9	15
Worker	60	24	8	14.7	0
					Total:
Building Construction	2023				
Total Haul Trips	0				
Hauling	0	152	8	42	15
Vendor	0	152	8	6.9	15
Worker	150	152	8	14.7	0
					Total:
Building Construction	2024				
Total Haul Trips	0				
Hauling	0	24	8	42	15
Vendor	0	24	8	6.9	15
Worker	150	24	8	14.7	0
					Total:
Architectural Coatings	2023				
Total Haul Trips	0				
Hauling	0	43	8	42	15
Vendor	0	43	8	6.9	15
Worker	16	43	8	14.7	0
					Total:
Architectural Coatings	2024				
Total Haul Trips	0				
Hauling	0	24	8	42	15
Vendor	0	24	8	6.9	15
Worker	16	24	8	14.7	0
					Total:
Landscaping	2023				
Total Haul Trips	86				
Hauling	2	43	8	42	15
Vendor	0	43	8	6.9	15
Worker	16	43	8	14.7	0
					Total:

21611 Perry Street

Total On-Road Emissions

	260	Max construction days per year			
Construction Phase	**Daily One-Way Trips**	**Haul Days per Phase (days)**	**Work Hours per Day (hours/day)**	**One-Way Trip Distance per Day (miles)**	**Idling per Day (minutes)**
Landscaping	2024				
Total Haul Trips	48				
Hauling	2	24	8	42	15
Vendor	0	24	8	6.9	15
Worker	16	24	8	14.7	0
					Total:
Paving	2024				
Total Haul Trips	230				
Hauling	10	23	8	42	15
Vendor	8	23	8	6.9	15
Worker	20	23	8	14.7	0
					Total:

21611 Perry Street

Total On-Road Emissions

Construction Phase	Regional Emissions (pounds/day)										(MT/yr)
	ROG	NOX	CO	SO2	PM10 Dust	PM10 Exh	Total PM10	PM2.5 Dust	PM2.5 Exh	Total PM2.5	Total CO2e
Demo & Site Preparation											
Total Haul Trips											
Hauling	0.02	2.53	1.51	0.01	0.17	0.02	0.20	0.04	0.02	0.07	17.83
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.01	0.05	0.62	0.00	0.04	0.00	0.04	0.01	0.00	0.01	1.73
	0.03	2.58	2.14	0.02	0.22	0.02	0.24	0.05	0.02	0.08	19.56
Grading/Excavation											
Total Haul Trips											
Hauling	0.05	7.58	4.54	0.04	0.52	0.07	0.59	0.13	0.06	0.20	48.83
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.01	0.06	0.78	0.00	0.05	0.00	0.06	0.01	0.00	0.01	1.97
	0.06	7.65	5.33	0.05	0.58	0.07	0.64	0.14	0.06	0.21	50.80
Drainage/Utilities/Trenching											
Total Haul Trips											
Hauling	0.01	1.52	0.91	0.01	0.10	0.01	0.12	0.03	0.01	0.04	20.46
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.03	0.12	1.56	0.00	0.11	0.00	0.11	0.02	0.00	0.02	8.27
	0.04	1.64	2.47	0.01	0.21	0.02	0.23	0.05	0.01	0.06	28.73
Foundations/Concrete Pour											
Total Haul Trips											
Hauling	0.01	1.01	0.61	0.01	0.07	0.01	0.08	0.02	0.01	0.03	7.44
Vendor	0.01	1.25	1.17	0.01	0.04	0.01	0.05	0.01	0.01	0.02	6.33
Worker	0.04	0.18	2.34	0.01	0.16	0.00	0.17	0.03	0.00	0.03	6.77
	0.06	2.45	4.12	0.02	0.28	0.02	0.29	0.06	0.02	0.08	20.53
Building Construction											
Total Haul Trips											
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.11	0.46	5.86	0.02	0.41	0.01	0.42	0.07	0.01	0.08	107.13
	0.11	0.46	5.86	0.02	0.41	0.01	0.42	0.07	0.01	0.08	107.13
Building Construction											
Total Haul Trips											
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.10	0.41	5.40	0.01	0.41	0.01	0.42	0.07	0.01	0.08	16.50
	0.10	0.41	5.40	0.01	0.41	0.01	0.42	0.07	0.01	0.08	16.50
Architectural Coatings											
Total Haul Trips											
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.01	0.05	0.62	0.00	0.04	0.00	0.04	0.01	0.00	0.01	3.23
	0.01	0.05	0.62	0.00	0.04	0.00	0.04	0.01	0.00	0.01	3.23
Architectural Coatings											
Total Haul Trips											
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.01	0.04	0.58	0.00	0.04	0.00	0.04	0.01	0.00	0.01	1.76
	0.01	0.04	0.58	0.00	0.04	0.00	0.04	0.01	0.00	0.01	1.76
Landscaping											
Total Haul Trips											
Hauling	0.00	0.51	0.30	0.00	0.03	0.00	0.04	0.01	0.00	0.01	6.67
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.01	0.05	0.62	0.00	0.04	0.00	0.04	0.01	0.00	0.01	3.23
	0.01	0.55	0.93	0.00	0.08	0.01	0.08	0.02	0.01	0.02	9.90

21611 Perry Street

Total On-Road Emissions

Construction Phase	Regional Emissions (pounds/day)										(MT/yr)
	ROG	NOX	CO	SO2	PM10 Dust	PM10 Exh	Total PM10	PM2.5 Dust	PM2.5 Exh	Total PM2.5	Total CO2e
Landscaping											
Total Haul Trips											
Hauling	0.00	0.49	0.30	0.00	0.03	0.00	0.04	0.01	0.00	0.01	3.66
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.01	0.04	0.58	0.00	0.04	0.00	0.04	0.01	0.00	0.01	1.76
	0.01	0.53	0.87	0.00	0.08	0.01	0.08	0.02	0.01	0.02	5.42
Paving											
Total Haul Trips											
Hauling	0.01	2.44	1.49	0.01	0.17	0.02	0.20	0.04	0.02	0.07	17.53
Vendor	0.01	0.54	0.51	0.00	0.02	0.00	0.02	0.00	0.00	0.01	2.65
Worker	0.01	0.05	0.72	0.00	0.05	0.00	0.06	0.01	0.00	0.01	2.11
	0.03	3.03	2.72	0.02	0.25	0.03	0.27	0.06	0.02	0.08	22.30

21611 Perry Street

Total On-Road Emissions

260 Max construction days per year

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Idling per Day (minutes)
Demo & Site Preparation	2023				
Total Haul Trips	230				
Hauling	10	23	8	42	15
Vendor	0	23	8	6.9	15
Worker	16	23	8	14.7	0
Grading/Excavation	2023				
Total Haul Trips	630				
Hauling	30	21	8	42	15
Vendor	0	21	8	6.9	15
Worker	20	21	8	14.7	0
Drainage/Utilities/Trenching	2023				
Total Haul Trips	264				
Hauling	6	44	8	42	15
Vendor	0	44	8	6.9	15
Worker	40	44	8	14.7	0
Foundations/Concrete Pour	2023				
Total Haul Trips	96				
Hauling	4	24	8	42	15
Vendor	18	24	8	6.9	15
Worker	60	24	8	14.7	0
Building Construction	2023				
Total Haul Trips	0				
Hauling	0	152	8	42	15
Vendor	0	152	8	6.9	15
Worker	150	152	8	14.7	0
Building Construction	2024				
Total Haul Trips	0				
Hauling	0	24	8	42	15
Vendor	0	24	8	6.9	15
Worker	150	24	8	14.7	0
Architectural Coatings	2023				
Total Haul Trips	0				
Hauling	0	43	8	42	15
Vendor	0	43	8	6.9	15
Worker	16	43	8	14.7	0
Architectural Coatings	2024				
Total Haul Trips	0				
Hauling	0	24	8	42	15
Vendor	0	24	8	6.9	15
Worker	16	24	8	14.7	0

21611 Perry Street

Total On-Road Emissions

260 Max construction days per year

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Idling per Day (minutes)
Landscaping	2023				
Total Haul Trips	86				
Hauling	2	43	8	42	15
Vendor	0	43	8	6.9	15
Worker	16	43	8	14.7	0
Landscaping	2024				
Total Haul Trips	48				
Hauling	2	24	8	42	15
Vendor	0	24	8	6.9	15
Worker	16	24	8	14.7	0
Paving	2024				
Total Haul Trips	230				
Hauling	10	23	8	42	15
Vendor	8	23	8	6.9	15
Worker	20	23	8	14.7	0

21611 Perry Street

Total On-Road Emissions

Construction Phase	Regional Emissions (Tons/year)										(MT/yr)
	ROG	NOX	CO	SO2	PM10 Dust	PM10 Exh	Total PM10	PM2.5 Dust	PM2.5 Exh	Total PM2.5	Total CO2e
Demo & Site Preparation											
Total Haul Trips											
Hauling	0.00	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.83
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.73
Grading/Excavation											
Total Haul Trips											
Hauling	0.00	0.08	0.05	0.00	0.01	0.00	0.01	0.00	0.00	0.00	48.83
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.97
Drainage/Utilities/Trenching											
Total Haul Trips											
Hauling	0.00	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.46
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.27
Foundations/Concrete Pour											
Total Haul Trips											
Hauling	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.44
Vendor	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.33
Worker	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.77
Building Construction											
Total Haul Trips											
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.01	0.03	0.45	0.00	0.03	0.00	0.03	0.01	0.00	0.01	107.13
Building Construction											
Total Haul Trips											
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.06	0.00	0.00	0.00	0.01	0.00	0.00	0.00	16.50
Architectural Coatings											
Total Haul Trips											
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.23
Architectural Coatings											
Total Haul Trips											
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.76

21611 Perry Street

Total On-Road Emissions

Construction Phase	Regional Emissions (Tons/year)										(MT/yr)
	ROG	NOX	CO	SO2	PM10 Dust	PM10 Exh	Total PM10	PM2.5 Dust	PM2.5 Exh	Total PM2.5	Total CO2e
Landscaping											
Total Haul Trips											
Hauling	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.67
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.23
Landscaping											
Total Haul Trips											
Hauling	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.66
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.76
Paving											
Total Haul Trips											
Hauling	0.00	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.53
Vendor	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.65
Worker	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.11

21611 Perry Street
Idling Emissions

		Idling Emissions Factor (grams/minute)						Idling Emissions Factor (grams/minute)		
		ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
2023	Hauling Hauling	0.00153219	2.475440914	3.09007671	0.00445539	0.00146199	0.00139636	501.459269	0.09222066	0.08043855
2023	Vendor Vendor	0.00873855	1.452222429	1.72640023	0.00258336	0.00124295	0.00118783	289.393152	0.05139395	0.0460508
2023	Worker Worker	0	0	0	0	0	0	0	0	0
2024	Hauling Hauling	0.0020895	2.445312655	3.07903027	0.00435308	0.00137735	0.00131528	490.827049	0.0905213	0.07877141
2024	Vendor Vendor	0.00870264	1.431440263	1.72000292	0.00253055	0.00112049	0.0010706	283.971879	0.05066755	0.04521769
2024	Worker Worker	0	0	0	0	0	0	0	0	0
2025	Hauling Hauling	0.00332165	2.416878954	3.06623505	0.00425044	0.00130967	0.00125041	480.185746	0.0891488	0.07710399
2025	Vendor Vendor	0.00900196	1.411456643	1.71231511	0.00247621	0.00101449	0.00096912	278.397376	0.05008131	0.04436118
2025	Worker Worker	0	0	0	0	0	0	0	0	0
2026	Hauling Hauling	0.00482353	2.390354593	3.05359376	0.00415118	0.00124574	0.00118913	469.943227	0.08803578	0.07550138
2026	Vendor Vendor	0.00946874	1.392752914	1.70465807	0.00242296	0.00092072	0.00087934	272.952852	0.0496051	0.04352444
2026	Worker Worker	0	0	0	0	0	0	0	0	0
	GWP	N/A	N/A	N/A	N/A	N/A	N/A	1	25	290

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	Idling minutes per Day (miles)	Regional Emissions (pounds/day)						Regional Emissions (MT/year)			
					ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O	CO2e
Demo & Site Preparation	2023													
Total Haul Trips	230													
Hauling	10	23	8	15	0.00	0.82	1.02	0.00	0.00	0.00	1.73	0.01	0.08	1.82
Vendor	0	23	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	16	23	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation	2023													
Total Haul Trips	630													
Hauling	30	21	8	15	0.00	2.46	3.07	0.00	0.00	0.00	4.74	0.02	0.22	4.98
Vendor	0	21	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	20	21	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Drainage/Utilities/Trenchir	2023													
Total Haul Trips	264													
Hauling	6	44	8	15	0.00	0.49	0.61	0.00	0.00	0.00	1.99	0.01	0.09	2.09
Vendor	0	44	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	40	44	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Foundations/Concrete Pou	2023													
Total Haul Trips	96													
Hauling	4	24	8	15	0.00	0.33	0.41	0.00	0.00	0.00	0.72	0.00	0.03	0.76
Vendor	18	24	8	15	0.01	0.86	1.03	0.00	0.00	0.00	1.88	0.01	0.09	1.97
Worker	60	24	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	2023													
Total Haul Trips	0													
Hauling	0	152	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	152	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	150	152	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	2024													
Total Haul Trips	0													
Hauling	0	24	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	24	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	150	24	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coatings	2023													
Total Haul Trips	0													
Hauling	0	43	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	43	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	16	43	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coatings	2024													
Total Haul Trips	0													
Hauling	0	24	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	24	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	16	24	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	2023													
Total Haul Trips	86													
Hauling	2	43	8	15	0.00	0.16	0.20	0.00	0.00	0.00	0.65	0.00	0.03	0.68
Vendor	0	43	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	16	43	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	2024													
Total Haul Trips	48													
Hauling	2	24	8	15	0.00	0.16	0.20	0.00	0.00	0.00	0.35	0.00	0.02	0.37
Vendor	0	24	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	16	24	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	2024													
Total Haul Trips	230													
Hauling	10	23	8	15	0.00	0.81	1.02	0.00	0.00	0.00	1.69	0.01	0.08	1.78
Vendor	8	23	8	15	0.00	0.38	0.46	0.00	0.00	0.00	0.78	0.00	0.04	0.82
Worker	20	23	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

21611 Perry Street
Running Emissions

		Running Emissions Factor (grams/mile)						Running Emissions Factor (grams/mile)		
		ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
2023Hauling	Hauling	0.01583726	1.846349092	0.53216798	0.01440181	0.02335548	0.02234022	1582.16594	0.07485845	0.25204854
2023Vendor	Vendor	0.02517402	1.413009631	0.53163708	0.01304101	0.01704589	0.01630115	1404.04014	0.0416683	0.1941139
2023Worker	Worker	0.02253027	0.09409696	1.20532597	0.00313687	0.00190111	0.00175	317.32672	0.00530072	0.00752789
2024Hauling	Hauling	0.01500166	1.757966945	0.5097505	0.01416696	0.02319781	0.02218961	1557.21286	0.07114403	0.24811684
2024Vendor	Vendor	0.02221033	1.324663487	0.47751009	0.01284951	0.01640294	0.01568629	1384.23319	0.03949423	0.19181212
2024Worker	Worker	0.01996092	0.084125691	1.11121797	0.00306134	0.00178709	0.00164482	309.685005	0.0047538	0.0069466
2025Hauling	Hauling	0.01431182	1.682904108	0.49345533	0.01390961	0.02282737	0.02183543	1529.97223	0.06799383	0.24382581
2025Vendor	Vendor	0.01962764	1.243630697	0.43346534	0.01262634	0.01566747	0.01498289	1361.14553	0.03768321	0.189104
2025Worker	Worker	0.01787186	0.075802473	1.03210504	0.00299115	0.00169862	0.00156324	302.584557	0.00430196	0.00645241
2026Hauling	Hauling	0.01368221	1.614053992	0.47684787	0.01364538	0.0226378	0.02165426	1501.9816	0.06476403	0.23941148
2026Vendor	Vendor	0.01750743	1.169214075	0.39765668	0.0123973	0.01509905	0.01443925	1337.37545	0.03590634	0.1862605
2026Worker	Worker	0.01606854	0.068748951	0.96388598	0.00292729	0.0016094	0.00148096	296.123967	0.00390838	0.00603404
GWP		N/A	N/A	N/A	N/A	N/A	N/A	1	25	290

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day)						Regional Emissions (MT/year)			
					ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O	CO2e
Demo & Site Preparation	2023													
Total Haul Trips	230													
Hauling	10	23	8	42	0.01	1.71	0.49	0.01	0.02	0.02	15.28	0.02	0.71	16.01
Vendor	0	23	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	16	23	8	14.7	0.01	0.05	0.62	0.00	0.00	0.00	1.72	0.00	0.01	1.73
Grading/Excavation	2023													
Total Haul Trips	630													
Hauling	30	21	8	42	0.04	5.13	1.48	0.04	0.06	0.06	41.86	0.05	1.93	43.85
Vendor	0	21	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	20	21	8	14.7	0.01	0.06	0.78	0.00	0.00	0.00	1.96	0.00	0.01	1.97
Drainage/Utilities/Trenchi	2023													
Total Haul Trips	264													
Hauling	6	44	8	42	0.01	1.03	0.30	0.01	0.01	0.01	17.54	0.02	0.81	18.37
Vendor	0	44	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	40	44	8	14.7	0.03	0.12	1.56	0.00	0.00	0.00	8.21	0.00	0.06	8.27
Foundations/Concrete Pou	2023													
Total Haul Trips	96													
Hauling	4	24	8	42	0.01	0.68	0.20	0.01	0.01	0.01	6.38	0.01	0.29	6.68
Vendor	18	24	8	6.9	0.01	0.39	0.15	0.00	0.00	0.00	4.19	0.00	0.17	4.36
Worker	60	24	8	14.7	0.04	0.18	2.34	0.01	0.00	0.00	6.72	0.00	0.05	6.77
Building Construction	2023													
Total Haul Trips	0													
Hauling	0	152	8	42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	152	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	150	152	8	14.7	0.11	0.46	5.86	0.02	0.01	0.01	106.36	0.04	0.73	107.13
Building Construction	2024													
Total Haul Trips	0													
Hauling	0	24	8	42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	24	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	150	24	8	14.7	0.10	0.41	5.40	0.01	0.01	0.01	16.39	0.01	0.11	16.50

21611 Perry Street
Running Emissions

		Running Emissions Factor (grams/mile)						Running Emissions Factor (grams/mile)		
		ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
2023Hauling	Hauling	0.01583726	1.846349092	0.53216798	0.01440181	0.02335548	0.02234022	1582.16594	0.07485845	0.25204854
2023Vendor	Vendor	0.02517402	1.413009631	0.53163708	0.01304101	0.01704589	0.01630115	1404.04014	0.0416683	0.1941139
2023Worker	Worker	0.02253027	0.09409696	1.20532597	0.00313687	0.00190111	0.00175	317.32672	0.00530072	0.00752789
2024Hauling	Hauling	0.01500166	1.757966945	0.5097505	0.01416696	0.02319781	0.02218961	1557.21286	0.07114403	0.24811684
2024Vendor	Vendor	0.02221033	1.324663487	0.47751009	0.01284951	0.01640294	0.01568629	1384.23319	0.03949423	0.19181212
2024Worker	Worker	0.01996092	0.084125691	1.11121797	0.00306134	0.00178709	0.00164482	309.685005	0.0047538	0.0069466
2025Hauling	Hauling	0.01431182	1.682904108	0.49345533	0.01390961	0.02282737	0.02183543	1529.97223	0.06799383	0.24382581
2025Vendor	Vendor	0.01962764	1.243630697	0.43346534	0.01262634	0.01566747	0.01498289	1361.14553	0.03768321	0.189104
2025Worker	Worker	0.01787186	0.075802473	1.03210504	0.00299115	0.00169862	0.00156324	302.584557	0.00430196	0.00645241
2026Hauling	Hauling	0.01368221	1.614053992	0.47684787	0.01364538	0.0226378	0.02165426	1501.9816	0.06476403	0.23941148
2026Vendor	Vendor	0.01750743	1.169214075	0.39765668	0.0123973	0.01509905	0.01443925	1337.37545	0.03590634	0.1862605
2026Worker	Worker	0.01606854	0.068748951	0.96388598	0.00292729	0.0016094	0.00148096	296.123967	0.00390838	0.00603404
GWP		N/A	N/A	N/A	N/A	N/A	N/A	1	25	290

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day)						Regional Emissions (MT/year)			
					ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O	CO2e
Architectural Coatings	2023													
Total Haul Trips	0													
Hauling	0	43	8	42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	43	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	16	43	8	14.7	0.01	0.05	0.62	0.00	0.00	0.00	3.21	0.00	0.02	3.23
Architectural Coatings	2024													
Total Haul Trips	0													
Hauling	0	24	8	42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	24	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	16	24	8	14.7	0.01	0.04	0.58	0.00	0.00	0.00	1.75	0.00	0.01	1.76
Landscaping	2023													
Total Haul Trips	86													
Hauling	2	43	8	42	0.00	0.34	0.10	0.00	0.00	0.00	5.71	0.01	0.26	5.99
Vendor	0	43	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	16	43	8	14.7	0.01	0.05	0.62	0.00	0.00	0.00	3.21	0.00	0.02	3.23
Landscaping	2024													
Total Haul Trips	48													
Hauling	2	24	8	42	0.00	0.33	0.09	0.00	0.00	0.00	3.14	0.00	0.15	3.29
Vendor	0	24	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	16	24	8	14.7	0.01	0.04	0.58	0.00	0.00	0.00	1.75	0.00	0.01	1.76
Paving	2024													
Total Haul Trips	230													
Hauling	10	23	8	42	0.01	1.63	0.47	0.01	0.02	0.02	15.04	0.02	0.70	15.75
Vendor	8	23	8	6.9	0.00	0.16	0.06	0.00	0.00	0.00	1.76	0.00	0.07	1.83
Worker	20	23	8	14.7	0.01	0.05	0.72	0.00	0.00	0.00	2.09	0.00	0.01	2.11

21611 Perry Street

Road Dust, Break Wear, and Tire wear Emissions

	Emission Factors (grams/mile)					
	PM10			PM2.5		
	RD	BW	TW	RD	BW	TW
2023Hauling Hauling	6.72E-02	0.084714206	0.03543552	1.01E-02	0.02964997	0.00885888
2023Vendor Vendor	6.72E-02	0.064163683	0.02371776	1.01E-02	0.02245729	0.00592944
2023Worker Worker	6.72E-02	0.009477692	0.008	1.01E-02	0.00331719	0.002
2024Hauling Hauling	6.72E-02	0.08427948	0.03543928	1.01E-02	0.02949782	0.00885982
2024Vendor Vendor	6.72E-02	0.063890978	0.02371964	1.01E-02	0.02236184	0.00592991
2024Worker Worker	6.72E-02	0.009419633	0.008	1.01E-02	0.00329687	0.002
2025Hauling Hauling	6.72E-02	0.084162962	0.03544313	1.01E-02	0.02945704	0.00886078
2025Vendor Vendor	6.72E-02	0.063767774	0.02372157	1.01E-02	0.02231872	0.00593039
2025Worker Worker	6.72E-02	0.009385513	0.008	1.01E-02	0.00328493	0.002
2026Hauling Hauling	6.72E-02	0.084352575	0.03544711	1.01E-02	0.0295234	0.00886178
2026Vendor Vendor	6.72E-02	0.063787152	0.02372356	1.01E-02	0.0223255	0.00593089
2026Worker Worker	6.72E-02	0.009353635	0.008	1.01E-02	0.00327377	0.002

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day)					
					PM10			PM2.5		
					RD	BW	TW	RD	BW	TW
Demo & Site Preparation	2023									
Total Haul Trips	230									
Hauling	10	23	8	42	0.06	0.08	0.03	0.01	0.03	0.01
Vendor	0	23	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00
Worker	16	23	8	14.7	0.03	0.00	0.00	0.01	0.00	0.00
Grading/Excavation	2023									
Total Haul Trips	630									
Hauling	30	21	8	42	0.19	0.24	0.10	0.03	0.08	0.02
Vendor	0	21	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00
Worker	20	21	8	14.7	0.04	0.01	0.01	0.01	0.00	0.00
Drainage/Utilities/Trenchin	2023									
Total Haul Trips	264									
Hauling	6	44	8	42	0.04	0.05	0.02	0.01	0.02	0.00
Vendor	0	44	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00
Worker	40	44	8	14.7	0.09	0.01	0.01	0.01	0.00	0.00
Foundations/Concrete Pour	2023									
Total Haul Trips	96									
Hauling	4	24	8	42	0.02	0.03	0.01	0.00	0.01	0.00
Vendor	18	24	8	6.9	0.02	0.02	0.01	0.00	0.01	0.00
Worker	60	24	8	14.7	0.13	0.02	0.02	0.02	0.01	0.00
Building Construction	2023									
Total Haul Trips	0									
Hauling	0	152	8	42	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	152	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00
Worker	150	152	8	14.7	0.33	0.05	0.04	0.05	0.02	0.01

21611 Perry Street

Road Dust, Break Wear, and Tire wear Emissions

	Emission Factors (grams/mile)					
	PM10			PM2.5		
	RD	BW	TW	RD	BW	TW
2023Hauling Hauling	6.72E-02	0.084714206	0.03543552	1.01E-02	0.02964997	0.00885888
2023Vendor Vendor	6.72E-02	0.064163683	0.02371776	1.01E-02	0.02245729	0.00592944
2023Worker Worker	6.72E-02	0.009477692	0.008	1.01E-02	0.00331719	0.002
2024Hauling Hauling	6.72E-02	0.08427948	0.03543928	1.01E-02	0.02949782	0.00885982
2024Vendor Vendor	6.72E-02	0.063890978	0.02371964	1.01E-02	0.02236184	0.00592991
2024Worker Worker	6.72E-02	0.009419633	0.008	1.01E-02	0.00329687	0.002
2025Hauling Hauling	6.72E-02	0.084162962	0.03544313	1.01E-02	0.02945704	0.00886078
2025Vendor Vendor	6.72E-02	0.063767774	0.02372157	1.01E-02	0.02231872	0.00593039
2025Worker Worker	6.72E-02	0.009385513	0.008	1.01E-02	0.00328493	0.002
2026Hauling Hauling	6.72E-02	0.084352575	0.03544711	1.01E-02	0.0295234	0.00886178
2026Vendor Vendor	6.72E-02	0.063787152	0.02372356	1.01E-02	0.0223255	0.00593089
2026Worker Worker	6.72E-02	0.009353635	0.008	1.01E-02	0.00327377	0.002

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day)					
					PM10			PM2.5		
					RD	BW	TW	RD	BW	TW
Building Construction	2024									
Total Haul Trips	0									
Hauling	0	24	8	42	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	24	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00
Worker	150	24	8	14.7	0.33	0.05	0.04	0.05	0.02	0.01
Architectural Coatings	2023									
Total Haul Trips	0									
Hauling	0	43	8	42	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	43	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00
Worker	16	43	8	14.7	0.03	0.00	0.00	0.01	0.00	0.00
Architectural Coatings	2024									
Total Haul Trips	0									
Hauling	0	24	8	42	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	24	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00
Worker	16	24	8	14.7	0.03	0.00	0.00	0.01	0.00	0.00
Landscaping	2023									
Total Haul Trips	86									
Hauling	2	43	8	42	0.01	0.02	0.01	0.00	0.01	0.00
Vendor	0	43	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00
Worker	16	43	8	14.7	0.03	0.00	0.00	0.01	0.00	0.00
Landscaping	2024									
Total Haul Trips	48									
Hauling	2	24	8	42	0.01	0.02	0.01	0.00	0.01	0.00
Vendor	0	24	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00
Worker	16	24	8	14.7	0.03	0.00	0.00	0.01	0.00	0.00
Paving	2024									
Total Haul Trips	230									
Hauling	10	23	8	42	0.06	0.08	0.03	0.01	0.03	0.01
Vendor	8	23	8	6.9	0.01	0.01	0.00	0.00	0.00	0.00
Worker	20	23	8	14.7	0.04	0.01	0.01	0.01	0.00	0.00

21611 Perry Street

Total On-Road Fuel Consumption

		gal/mile	gal/min
2023Hauling	Hauling	0.16744049	2.63411E-07
2023Vendor	Vendor	0.140008299	7.56451E-07
2023Worker	Worker	0.039164184	9.57885E-07
2024Hauling	Hauling	0.165344566	1.98496E-07
2024Vendor	Vendor	0.138767125	6.53915E-07
2024Worker	Worker	0.038437414	8.66366E-07
2025Hauling	Hauling	0.163051712	1.95685E-07
2025Vendor	Vendor	0.137362721	6.50149E-07
2025Worker	Worker	0.037780897	8.51473E-07
2026Hauling	Hauling	0.160756677	2.00057E-07
2026Vendor	Vendor	0.135957296	6.52676E-07
2026Worker	Worker	0.037118687	8.35632E-07

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Idling per Day (minutes)
Demo & Site Preparation	2023				
Total Haul Trips	230				
Hauling	10	23	8	42	15
Vendor	0	23	8	6.9	15
Worker	16	23	8	14.7	0
Grading/Excavation	2023				
Total Haul Trips	630				
Hauling	30	21	8	42	15
Vendor	0	21	8	6.9	15
Worker	20	21	8	14.7	0
Drainage/Utilities/Trenching	2023				
Total Haul Trips	264				
Hauling	6	44	8	42	15
Vendor	0	44	8	6.9	15
Worker	40	44	8	14.7	0
Foundations/Concrete Pour	2023				
Total Haul Trips	96				
Hauling	4	24	8	42	15
Vendor	18	24	8	6.9	15
Worker	60	24	8	14.7	0
Building Construction	2023				
Total Haul Trips	0				
Hauling	0	152	8	42	15
Vendor	0	152	8	6.9	15
Worker	150	152	8	14.7	0
Building Construction	2024				
Total Haul Trips	0				
Hauling	0	24	8	42	15
Vendor	0	24	8	6.9	15
Worker	150	24	8	14.7	0

21611 Perry Street

Total On-Road Fuel Consumption

		gal/mile	gal/min
2023Hauling	Hauling	0.16744049	2.63411E-07
2023Vendor	Vendor	0.140008299	7.56451E-07
2023Worker	Worker	0.039164184	9.57885E-07
2024Hauling	Hauling	0.165344566	1.98496E-07
2024Vendor	Vendor	0.138767125	6.53915E-07
2024Worker	Worker	0.038437414	8.66366E-07
2025Hauling	Hauling	0.163051712	1.95685E-07
2025Vendor	Vendor	0.137362721	6.50149E-07
2025Worker	Worker	0.037780897	8.51473E-07
2026Hauling	Hauling	0.160756677	2.00057E-07
2026Vendor	Vendor	0.135957296	6.52676E-07
2026Worker	Worker	0.037118687	8.35632E-07

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Idling per Day (minutes)
Architectural Coatings	2023				
Total Haul Trips	0				
Hauling	0	43	8	42	15
Vendor	0	43	8	6.9	15
Worker	16	43	8	14.7	0
Architectural Coatings	2024				
Total Haul Trips	0				
Hauling	0	24	8	42	15
Vendor	0	24	8	6.9	15
Worker	16	24	8	14.7	0
Landscaping	2023				
Total Haul Trips	86				
Hauling	2	43	8	42	15
Vendor	0	43	8	6.9	15
Worker	16	43	8	14.7	0
Landscaping	2024				
Total Haul Trips	48				
Hauling	2	24	8	42	15
Vendor	0	24	8	6.9	15
Worker	16	24	8	14.7	0
Paving	2024				
Total Haul Trips	230				
Hauling	10	23	8	42	15
Vendor	8	23	8	6.9	15
Worker	20	23	8	14.7	0

21611 Perry Street

Total On-Road Fuel Consumption

Source	Fuel Type	Total Fuel Use (gal)
Hauling	Diesel	11,115
Vendor	Diesel	594
Worker	Gasoline	18,942

Fuel Type	Total Fuel Use	Annual Fuel Use
Diesel	11,709	10,792
Gasoline	18,942	17,459

Duration of Construction	
1.1	years

Construction Phase	Regional Emissions (gallons)			
	gal/mile	gal/min	gal/day	Total Gallons/yr
Demo & Site Preparation				
Total Haul Trips				
Hauling	0.17	2.63E-07	70	1,617
Vendor	0.14	7.56E-07	0	0
Worker	0.04	9.58E-07	9	212
Grading/Excavation				
Total Haul Trips				
Hauling	0.17	2.63E-07	211	4,430
Vendor	0.14	7.56E-07	0	0
Worker	0.04	9.58E-07	12	242
Drainage/Utilities/Trenching				
Total Haul Trips				
Hauling	0.17	2.63E-07	42	1,857
Vendor	0.14	7.56E-07	0	0
Worker	0.04	9.58E-07	23	1,013
Foundations/Concrete Pour				
Total Haul Trips				
Hauling	0.17	2.63E-07	28	675
Vendor	0.14	7.56E-07	17	417
Worker	0.04	9.58E-07	35	829
Building Construction				
Total Haul Trips				
Hauling	0.17	2.63E-07	0	0
Vendor	0.14	7.56E-07	0	0
Worker	0.04	9.58E-07	86	13,126
Building Construction				
Total Haul Trips				
Hauling	0.17	1.98E-07	0	0
Vendor	0.14	6.54E-07	0	0
Worker	0.04	8.66E-07	85	2,034

21611 Perry Street

Total On-Road Fuel Consumption

Source	Fuel Type	Total Fuel Use (gal)
Hauling	Diesel	11,115
Vendor	Diesel	594
Worker	Gasoline	18,942

Fuel Type	Total Fuel Use	Annual Fuel Use
Diesel	11,709	10,792
Gasoline	18,942	17,459

Duration of Construction	
1.1	years

Construction Phase	Regional Emissions (gallons)			
	gal/mile	gal/min	gal/day	Total Gallons/yr
Architectural Coatings				
Total Haul Trips				
Hauling	0.17	2.63E-07	0	0
Vendor	0.14	7.56E-07	0	0
Worker	0.04	9.58E-07	9	396
Architectural Coatings				
Total Haul Trips				
Hauling	0.17	1.98E-07	0	0
Vendor	0.14	6.54E-07	0	0
Worker	0.04	8.66E-07	9	217
Landscaping				
Total Haul Trips				
Hauling	0.17	2.63E-07	14	605
Vendor	0.14	7.56E-07	0	0
Worker	0.04	9.58E-07	9	396
Landscaping				
Total Haul Trips				
Hauling	0.17	1.98E-07	14	333
Vendor	0.14	6.54E-07	0	0
Worker	0.04	8.66E-07	9	217
Paving				
Total Haul Trips				
Hauling	0.17	1.98E-07	69	1,597
Vendor	0.14	6.54E-07	8	176
Worker	0.04	8.66E-07	11	260

21611 Perry Street
Road Dust

Paved Road Dust Emission Factors (Assumes No Precipitation)

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

Where:

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

	Emission Factor (grams per VMT)		
	PM10	PM2.5	
k	1.0000	0.1500	
sL	0.0200	0.0200	weighted average silt loading factor used
W	2.4	2.4	
P	46	46	Table 5 of CARB Miscellaneous Process Methodology 7.9 for Los Angeles County
N	365	365	
$EF_{Dust,P}$	0.0672	0.0101	← use in off-model calculation as EF

Silt Loading Factor

Source: CARB, 2021.

Table 3: California Default Statewide and Local Silt Loading Values (Los Angeles County)

Silt Loadings (g/m2)			
Freeway	**Major**	**Collector**	**Local**
0.015	0.013	0.013	0.135

Table 2: Roadway Travel Fractions (Los Angeles County)

2008 HPMS Travel Fractions			
0.44	0.44	0.07	0.05

Unpaved Road Dust Emission Factors (Assumes No Precipitation)

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

Where:

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

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

Sources:
SCAQMD, CalEEMod, Version 2011.1.
CARB, *Entrained Dust from Paved Road Travel: Emission Estimation Methodology Background Document* , (1997).
USEPA, *AP-42* , Fifth Edition, Volume I, Chapter 13.2.1 - Paved Roads, (2011).
PCR Services Corporation, 2013.

21611 Perry Street
Operational Air Quality Assessment

Regional Operational Emissions

Maximum Unmitigated Regional Operational Emissions (pounds per day)

Source	VOC	NO_X	CO	SO_2	PM_{10}	$PM_{2.5}$
Area (Consumer Products, Landscaping)	3	<1	<1	<1	<1	<1
Energy (Natural Gas)	<1	<1	<1	<1	<1	<1
Motor Vehicles	1	2	14	<1	<1	<1
Total Project On-Site and Off-Site Emissions	**4**	**2**	**14**	**0**	**1**	**0**
SCAQMD Numeric Indicators	**55**	**55**	**550**	**150**	**150**	**55**
Over/(Under)	(51)	(53)	(536)	(150)	(149)	(55)
Exceeds Thresholds?	**No**	**No**	**No**	**No**	**No**	**No**

Net Regional Operations

Maximum Unmitigated Regional Operational Emissions (pounds per day)

Source	VOC	NO_X	CO	SO_2	PM_{10}	$PM_{2.5}$
Area (Consumer Products, Landscaping)	3	<1	<1	<1	<1	<1
Energy (Natural Gas)	<1	<1	<1	<1	<1	<1
Motor Vehicles	1	2	14	<1	<1	<1
Total Project On-Site and Off-Site Emissions	**4**	**2**	**14**	**<1**	**1**	**0**
Existing On-Site and Off-Site Emissions	<1	<1	<1	<1	<1	<1
Net On-Site and Off-Site Emissions	**4**	**2**	**14**	**<1**	**<1**	**<1**
SCAQMD Numeric Indicators	**55**	**55**	**550**	**150**	**150**	**55**
Over/(Under)	(51)	(53)	(536)	(150)	(149)	(55)
Exceeds Thresholds?	**No**	**No**	**No**	**No**	**No**	**No**

21611 Perry Street
Operational Air Quality Assessment

Localized Operational Emissions

Maximum Unmitigated Localized Operational Emissions (pounds per day)

Source	NO_X	CO	PM_{10}	$PM_{2.5}$
Area (Consumer Products, Landscaping)	0.0	0.0	0.0	0.0
Energy (Natural Gas)	0.1	0.1	0.0	0.0
Total Project On-Site Emissions	**0**	**0**	**0.0**	**0.0**
SCAQMD Numeric Indicators	**82**	**842**	**2.0**	**1.0**
Exceeds Thresholds?	**No**	**No**	**No**	**No**

Localized significance thresholds from SCAQMD Look-Up tables, 5 acre site; SRA 4 (Carson) area; sensitive receptors 25 m away

21611 Perry Street

Greenhouse Gas Emissions Summary

Project Operations Summary (Full Buildout Year 2024)	
Category	**$MTCO_2e/yr$**
Mobile	640
From CalEEMod:	
Area	0
Energy	77
Waste	62
Water	69
External spreadsheet calcs:	
EV Charging	1
Construction Emissions	
2023	685
2024	120
Construction Total	805
Construction Amortized (30 years)	27
Project Subtotal	**876**
Existing	-
Project Net Total GHG Emissions	**876**

$MTCO_2e$=Metric Tons Carbon Dioxide equivalents

21611 Perry Street
Air Quality and GHG Assessment
Operational Mobile Emissions

			Criteria Pollutant Emission Factors (lb/mile)										GHG Emissions (metric tons/mile)				Criteria Pollutant Emissions (pounds/day)										GHG Emissions (metric tons/year)			
	Year	Weekday Daily VMT	ROG	NOx	CO	SOx	PM10 Road Dust	PM10	PM10 Total	PM2_5 Road Dust	PM2_5	PM2.5 Tota	CO2	CH4	N2O	CO2e	ROG	NOx	CO	SOx	PM10 Road Dust	PM10	PM10 Total	PM2_5 Road Dust	PM2_5	PM2.5 Total	CO2	CH4	N2O	CO2e
																											1	*25*	*298*	
Project	2024	4,466	3.26E-04	4.55E-04	3.09E-03	8.24E-06	1.48E-04	5.67E-05	2.05E-04	2.22E-05	2.15E-05	4.37E-05	3.86E-04	2.00E-08	2.04E-08	3.93E-04	1.46	2.03	13.80	0.04	0.66	0.25	0.92	0.10	0.10	0.20	629.60	0.03	0.03	640.34

Source: Fehr and Peers MOU

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

21611 South Perry Street

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	2.42	1000sqft	0.20	2,425.00	0
Unrefrigerated Warehouse-No Rail	109.04	1000sqft	0.50	109,039.00	0
Parking Lot	41.00	Space	0.20	16,400.00	0
City Park	0.53	Acre	1.50	22,999.68	0
High Turnover (Sit Down Restaurant)	1.55	1000sqft	0.20	1,550.00	0
Strip Mall	0.70	1000sqft	0.20	700.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	210.1	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Updated CO2e

Land Use - See Construction Assumptions

Construction Phase - See Construction Assumptions

Off-road Equipment - See Construction Assumptions

Off-road Equipment - See Construction Assumptions

Off-road Equipment - See Construction Assumptions

Off-road Equipment - See Construction Assumptions

21611 South Perry Street - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Off-road Equipment - See Construction Assumptions

Off-road Equipment - See Construction Assumptions

Off-road Equipment - See Construction Assumptions

Off-road Equipment - See Construction Assumptions

Trips and VMT -

Grading -

Architectural Coating - Landscaping has no VOCs

Vehicle Trips - no VMT for City Park

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	56,857.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	170,571.00	0.00
tblArchitecturalCoating	ConstArea_Parking	984.00	0.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	0.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	0.00
tblArchitecturalCoating	EF_Parking	100.00	0.00
tblArchitecturalCoating	EF_Residential_Exterior	50.00	0.00
tblArchitecturalCoating	EF_Residential_Interior	50.00	0.00
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	10.00	67.00
tblConstructionPhase	NumDays	10.00	67.00
tblConstructionPhase	NumDays	220.00	176.00
tblConstructionPhase	NumDays	6.00	21.00
tblConstructionPhase	NumDays	10.00	23.00
tblConstructionPhase	NumDays	3.00	23.00
tblLandUse	LandUseSquareFeet	2,420.00	2,425.00
tblLandUse	LandUseSquareFeet	109,040.00	109,039.00
tblLandUse	LandUseSquareFeet	23,086.80	22,999.68

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblLandUse	LotAcreage	0.06	0.20
tblLandUse	LotAcreage	2.50	0.50
tblLandUse	LotAcreage	0.37	0.20
tblLandUse	LotAcreage	0.53	1.50
tblLandUse	LotAcreage	0.04	0.20
tblLandUse	LotAcreage	0.02	0.20
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblProjectCharacteristics	CO2IntensityFactor	390.98	210.1
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	WD_TR	0.78	0.00

2.0 Emissions Summary

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.7611	3.6781	4.6219	8.6500e-003	0.1406	0.1648	0.3054	0.0297	0.1583	0.1880	0.0000	753.3342	753.3342	0.1255	6.6000e-003	758.4373
2024	0.2590	0.5917	0.8464	1.5000e-003	0.0179	0.0260	0.0439	4.7900e-003	0.0248	0.0296	0.0000	130.8445	130.8445	0.0245	1.0800e-003	131.7803
Maximum	**0.7611**	**3.6781**	**4.6219**	**8.6500e-003**	**0.1406**	**0.1648**	**0.3054**	**0.0297**	**0.1583**	**0.1880**	**0.0000**	**753.3342**	**753.3342**	**0.1255**	**6.6000e-003**	**758.4373**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.7611	3.6781	4.6219	8.6500e-003	0.1100	0.1648	0.2748	0.0264	0.1583	0.1847	0.0000	753.3335	753.3335	0.1255	6.6000e-003	758.4365
2024	0.2590	0.5917	0.8464	1.5000e-003	0.0179	0.0260	0.0439	4.7900e-003	0.0248	0.0296	0.0000	130.8443	130.8443	0.0245	1.0800e-003	131.7801
Maximum	**0.7611**	**3.6781**	**4.6219**	**8.6500e-003**	**0.1100**	**0.1648**	**0.2748**	**0.0264**	**0.1583**	**0.1847**	**0.0000**	**753.3335**	**753.3335**	**0.1255**	**6.6000e-003**	**758.4365**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**19.29**	**0.00**	**8.75**	**9.57**	**0.00**	**1.52**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**1-1-2023**	**3-31-2023**	1.0291	1.0291
2	**4-1-2023**	**6-30-2023**	0.7831	0.7831
3	**7-1-2023**	**9-30-2023**	1.0874	1.0874
4	**10-1-2023**	**12-31-2023**	1.5411	1.5411
5	**1-1-2024**	**3-31-2024**	0.8128	0.8128
		Highest	1.5411	1.5411

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.4653	2.0000e-005	1.9800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.8500e-003	3.8500e-003	1.0000e-005	0.0000	4.1000e-003
Energy	2.5700e-003	0.0234	0.0196	1.4000e-004		1.7800e-003	1.7800e-003		1.7800e-003	1.7800e-003	0.0000	75.9490	75.9490	8.4200e-003	1.4300e-003	76.5851
Mobile	0.2000	0.2186	1.9778	4.1800e-003	0.4410	3.1100e-003	0.4442	0.1177	2.8900e-003	0.1206	0.0000	393.5968	393.5968	0.0279	0.0174	399.4829
Waste						0.0000	0.0000		0.0000	0.0000	25.1689	0.0000	25.1689	1.4874	0.0000	62.3548
Water						0.0000	0.0000		0.0000	0.0000	8.3019	33.4849	41.7868	0.8579	0.0208	69.4252
Total	**0.6679**	**0.2420**	**1.9994**	**4.3200e-003**	**0.4410**	**4.9000e-003**	**0.4459**	**0.1177**	**4.6800e-003**	**0.1223**	**33.4707**	**503.0345**	**536.5053**	**2.3817**	**0.0396**	**607.8520**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.4653	2.0000e-005	1.9800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.8500e-003	3.8500e-003	1.0000e-005	0.0000	4.1000e-003
Energy	2.5700e-003	0.0234	0.0196	1.4000e-004		1.7800e-003	1.7800e-003		1.7800e-003	1.7800e-003	0.0000	75.9490	75.9490	8.4200e-003	1.4300e-003	76.5851
Mobile	0.2000	0.2186	1.9778	4.1800e-003	0.4410	3.1100e-003	0.4442	0.1177	2.8900e-003	0.1206	0.0000	393.5968	393.5968	0.0279	0.0174	399.4829
Waste						0.0000	0.0000		0.0000	0.0000	25.1689	0.0000	25.1689	1.4874	0.0000	62.3548
Water						0.0000	0.0000		0.0000	0.0000	8.3019	33.4849	41.7868	0.8579	0.0208	69.4252
Total	**0.6679**	**0.2420**	**1.9994**	**4.3200e-003**	**0.4410**	**4.9000e-003**	**0.4459**	**0.1177**	**4.6800e-003**	**0.1223**	**33.4707**	**503.0345**	**536.5053**	**2.3817**	**0.0396**	**607.8520**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demo & Site Preparation	Site Preparation	1/1/2023	2/1/2023	5	23	
2	Grading/Excavation	Grading	2/1/2023	3/1/2023	5	21	
3	Drainage/Utilities/Trenching	Trenching	3/1/2023	5/1/2023	5	44	

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4	Foundations/Concrete Pour	Trenching	5/1/2023	6/1/2023	5	24	
5	Building Construction	Building Construction	6/1/2023	2/1/2024	5	176	
6	Architectural Coating	Architectural Coating	11/1/2023	2/1/2024	5	67	
7	Landscaping	Architectural Coating	11/1/2023	2/1/2024	5	67	
8	Paving	Paving	1/1/2024	1/31/2024	5	23	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 94.5

Acres of Paving: 0.2

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 170,571; Non-Residential Outdoor: 56,857; Striped Parking Area: 984 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demo & Site Preparation	Air Compressors	2	8.00	78	0.48
Demo & Site Preparation	Dumpers/Tenders	2	8.00	16	0.38
Demo & Site Preparation	Excavators	1	8.00	158	0.38
Demo & Site Preparation	Generator Sets	1	8.00	84	0.74
Demo & Site Preparation	Skid Steer Loaders	1	8.00	65	0.37
Demo & Site Preparation	Sweepers/Scrubbers	1	8.00	64	0.46
Demo & Site Preparation	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading/Excavation	Concrete/Industrial Saws	1	8.00	81	0.73
Grading/Excavation	Crawler Tractors	2	8.00	212	0.43
Grading/Excavation	Dumpers/Tenders	2	8.00	16	0.38
Grading/Excavation	Excavators	1	8.00	158	0.38
Grading/Excavation	Graders	1	8.00	187	0.41
Grading/Excavation	Plate Compactors	1	8.00	8	0.43
Grading/Excavation	Rollers	1	8.00	80	0.38
Grading/Excavation	Scrapers	3	8.00	367	0.48

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Grading/Excavation	Sweepers/Scrubbers	1	8.00	64	0.46
Grading/Excavation	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Drainage/Utilities/Trenching	Air Compressors	1	8.00	78	0.48
Drainage/Utilities/Trenching	Dumpers/Tenders	2	8.00	16	0.38
Drainage/Utilities/Trenching	Excavators	1	8.00	158	0.38
Drainage/Utilities/Trenching	Generator Sets	2	8.00	84	0.74
Drainage/Utilities/Trenching	Plate Compactors	1	8.00	8	0.43
Drainage/Utilities/Trenching	Pumps	1	8.00	84	0.74
Drainage/Utilities/Trenching	Rough Terrain Forklifts	1	8.00	100	0.40
Drainage/Utilities/Trenching	Sweepers/Scrubbers	1	8.00	64	0.46
Drainage/Utilities/Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Foundations/Concrete Pour	Air Compressors	1	8.00	78	0.48
Foundations/Concrete Pour	Concrete/Industrial Saws	1	8.00	81	0.73
Foundations/Concrete Pour	Dumpers/Tenders	2	8.00	16	0.38
Foundations/Concrete Pour	Plate Compactors	1	8.00	8	0.43
Foundations/Concrete Pour	Pumps	1	8.00	84	0.74
Foundations/Concrete Pour	Rough Terrain Forklifts	1	8.00	100	0.40
Foundations/Concrete Pour	Skid Steer Loaders	1	8.00	65	0.37
Foundations/Concrete Pour	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Air Compressors	2	8.00	78	0.48
Building Construction	Cement and Mortar Mixers	2	8.00	9	0.56
Building Construction	Concrete/Industrial Saws	2	8.00	81	0.73
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Dumpers/Tenders	2	8.00	16	0.38
Building Construction	Forklifts	4	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Pumps	1	8.00	84	0.74
Building Construction	Rough Terrain Forklifts	4	8.00	100	0.40
Architectural Coating	Air Compressors	1	6.00	78	0.48

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Architectural Coating	Cement and Mortar Mixers	1	8.00	9	0.56
Architectural Coating	Rough Terrain Forklifts	1	8.00	100	0.40
Landscaping	Dumpers/Tenders	1	6.00	16	0.38
Landscaping	Skid Steer Loaders	1	8.00	65	0.37
Paving	Air Compressors	1	8.00	78	0.48
Paving	Dumpers/Tenders	2	8.00	16	0.38
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	3	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Sweepers/Scrubbers	1	8.00	64	0.46
Paving	Tractors/Loaders/Backhoes	3	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demo & Site Preparation	11	28.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading/Excavation	16	40.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Drainage/Utilities/Trenching	12	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Foundations/Concrete Pour	11	28.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	19	64.00	25.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	3	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Landscaping	2	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	13	33.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demo & Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0207	0.1756	0.2463	3.9000e-004		8.7900e-003	8.7900e-003		8.4100e-003	8.4100e-003	0.0000	33.7375	33.7375	6.7600e-003	0.0000	33.9065
Total	**0.0207**	**0.1756**	**0.2463**	**3.9000e-004**	**0.0000**	**8.7900e-003**	**8.7900e-003**	**0.0000**	**8.4100e-003**	**8.4100e-003**	**0.0000**	**33.7375**	**33.7375**	**6.7600e-003**	**0.0000**	**33.9065**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0200e-003	8.1000e-004	0.0110	3.0000e-005	3.5300e-003	2.0000e-005	3.5500e-003	9.4000e-004	2.0000e-005	9.6000e-004	0.0000	2.8438	2.8438	7.0000e-005	7.0000e-005	2.8675
Total	**1.0200e-003**	**8.1000e-004**	**0.0110**	**3.0000e-005**	**3.5300e-003**	**2.0000e-005**	**3.5500e-003**	**9.4000e-004**	**2.0000e-005**	**9.6000e-004**	**0.0000**	**2.8438**	**2.8438**	**7.0000e-005**	**7.0000e-005**	**2.8675**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demo & Site Preparation - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0207	0.1756	0.2463	3.9000e-004		8.7900e-003	8.7900e-003		8.4100e-003	8.4100e-003	0.0000	33.7375	33.7375	6.7600e-003	0.0000	33.9064
Total	**0.0207**	**0.1756**	**0.2463**	**3.9000e-004**	**0.0000**	**8.7900e-003**	**8.7900e-003**	**0.0000**	**8.4100e-003**	**8.4100e-003**	**0.0000**	**33.7375**	**33.7375**	**6.7600e-003**	**0.0000**	**33.9064**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0200e-003	8.1000e-004	0.0110	3.0000e-005	3.5300e-003	2.0000e-005	3.5500e-003	9.4000e-004	2.0000e-005	9.6000e-004	0.0000	2.8438	2.8438	7.0000e-005	7.0000e-005	2.8675
Total	**1.0200e-003**	**8.1000e-004**	**0.0110**	**3.0000e-005**	**3.5300e-003**	**2.0000e-005**	**3.5500e-003**	**9.4000e-004**	**2.0000e-005**	**9.6000e-004**	**0.0000**	**2.8438**	**2.8438**	**7.0000e-005**	**7.0000e-005**	**2.8675**

3.3 Grading/Excavation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0501	0.0000	0.0501	5.4100e-003	0.0000	5.4100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0533	0.5503	0.4394	9.9000e-004		0.0228	0.0228		0.0211	0.0211	0.0000	86.7657	86.7657	0.0262	0.0000	87.4205
Total	**0.0533**	**0.5503**	**0.4394**	**9.9000e-004**	**0.0501**	**0.0228**	**0.0729**	**5.4100e-003**	**0.0211**	**0.0265**	**0.0000**	**86.7657**	**86.7657**	**0.0262**	**0.0000**	**87.4205**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3300e-003	1.0600e-003	0.0144	4.0000e-005	4.6000e-003	3.0000e-005	4.6300e-003	1.2200e-003	3.0000e-005	1.2500e-003	0.0000	3.7093	3.7093	1.0000e-004	1.0000e-004	3.7402
Total	**1.3300e-003**	**1.0600e-003**	**0.0144**	**4.0000e-005**	**4.6000e-003**	**3.0000e-005**	**4.6300e-003**	**1.2200e-003**	**3.0000e-005**	**1.2500e-003**	**0.0000**	**3.7093**	**3.7093**	**1.0000e-004**	**1.0000e-004**	**3.7402**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading/Excavation - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0195	0.0000	0.0195	2.1100e-003	0.0000	2.1100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0533	0.5503	0.4394	9.9000e-004		0.0228	0.0228		0.0211	0.0211	0.0000	86.7656	86.7656	0.0262	0.0000	87.4204
Total	**0.0533**	**0.5503**	**0.4394**	**9.9000e-004**	**0.0195**	**0.0228**	**0.0423**	**2.1100e-003**	**0.0211**	**0.0232**	**0.0000**	**86.7656**	**86.7656**	**0.0262**	**0.0000**	**87.4204**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3300e-003	1.0600e-003	0.0144	4.0000e-005	4.6000e-003	3.0000e-005	4.6300e-003	1.2200e-003	3.0000e-005	1.2500e-003	0.0000	3.7093	3.7093	1.0000e-004	1.0000e-004	3.7402
Total	**1.3300e-003**	**1.0600e-003**	**0.0144**	**4.0000e-005**	**4.6000e-003**	**3.0000e-005**	**4.6300e-003**	**1.2200e-003**	**3.0000e-005**	**1.2500e-003**	**0.0000**	**3.7093**	**3.7093**	**1.0000e-004**	**1.0000e-004**	**3.7402**

3.4 Drainage/Utilities/Trenching - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0476	0.4142	0.5746	9.5000e-004		0.0201	0.0201		0.0194	0.0194	0.0000	81.5081	81.5081	0.0133	0.0000	81.8408
Total	**0.0476**	**0.4142**	**0.5746**	**9.5000e-004**		**0.0201**	**0.0201**		**0.0194**	**0.0194**	**0.0000**	**81.5081**	**81.5081**	**0.0133**	**0.0000**	**81.8408**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1000e-003	1.6600e-003	0.0226	6.0000e-005	7.2300e-003	4.0000e-005	7.2800e-003	1.9200e-003	4.0000e-005	1.9600e-003	0.0000	5.8290	5.8290	1.5000e-004	1.5000e-004	5.8775
Total	**2.1000e-003**	**1.6600e-003**	**0.0226**	**6.0000e-005**	**7.2300e-003**	**4.0000e-005**	**7.2800e-003**	**1.9200e-003**	**4.0000e-005**	**1.9600e-003**	**0.0000**	**5.8290**	**5.8290**	**1.5000e-004**	**1.5000e-004**	**5.8775**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Drainage/Utilities/Trenching - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0476	0.4142	0.5746	9.5000e-004		0.0201	0.0201		0.0194	0.0194	0.0000	81.5080	81.5080	0.0133	0.0000	81.8407
Total	**0.0476**	**0.4142**	**0.5746**	**9.5000e-004**		**0.0201**	**0.0201**		**0.0194**	**0.0194**	**0.0000**	**81.5080**	**81.5080**	**0.0133**	**0.0000**	**81.8407**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1000e-003	1.6600e-003	0.0226	6.0000e-005	7.2300e-003	4.0000e-005	7.2800e-003	1.9200e-003	4.0000e-005	1.9600e-003	0.0000	5.8290	5.8290	1.5000e-004	1.5000e-004	5.8775
Total	**2.1000e-003**	**1.6600e-003**	**0.0226**	**6.0000e-005**	**7.2300e-003**	**4.0000e-005**	**7.2800e-003**	**1.9200e-003**	**4.0000e-005**	**1.9600e-003**	**0.0000**	**5.8290**	**5.8290**	**1.5000e-004**	**1.5000e-004**	**5.8775**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Foundations/Concrete Pour - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0208	0.1815	0.2505	4.0000e-004		8.4400e-003	8.4400e-003		8.1500e-003	8.1500e-003	0.0000	34.6872	34.6872	6.1200e-003	0.0000	34.8402
Total	**0.0208**	**0.1815**	**0.2505**	**4.0000e-004**		**8.4400e-003**	**8.4400e-003**		**8.1500e-003**	**8.1500e-003**	**0.0000**	**34.6872**	**34.6872**	**6.1200e-003**	**0.0000**	**34.8402**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0700e-003	8.5000e-004	0.0115	3.0000e-005	3.6800e-003	2.0000e-005	3.7000e-003	9.8000e-004	2.0000e-005	1.0000e-003	0.0000	2.9675	2.9675	8.0000e-005	8.0000e-005	2.9922
Total	**1.0700e-003**	**8.5000e-004**	**0.0115**	**3.0000e-005**	**3.6800e-003**	**2.0000e-005**	**3.7000e-003**	**9.8000e-004**	**2.0000e-005**	**1.0000e-003**	**0.0000**	**2.9675**	**2.9675**	**8.0000e-005**	**8.0000e-005**	**2.9922**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Foundations/Concrete Pour - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0208	0.1815	0.2505	4.0000e-004		8.4400e-003	8.4400e-003		8.1500e-003	8.1500e-003	0.0000	34.6872	34.6872	6.1200e-003	0.0000	34.8402
Total	**0.0208**	**0.1815**	**0.2505**	**4.0000e-004**		**8.4400e-003**	**8.4400e-003**		**8.1500e-003**	**8.1500e-003**	**0.0000**	**34.6872**	**34.6872**	**6.1200e-003**	**0.0000**	**34.8402**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0700e-003	8.5000e-004	0.0115	3.0000e-005	3.6800e-003	2.0000e-005	3.7000e-003	9.8000e-004	2.0000e-005	1.0000e-003	0.0000	2.9675	2.9675	8.0000e-005	8.0000e-005	2.9922
Total	**1.0700e-003**	**8.5000e-004**	**0.0115**	**3.0000e-005**	**3.6800e-003**	**2.0000e-005**	**3.7000e-003**	**9.8000e-004**	**2.0000e-005**	**1.0000e-003**	**0.0000**	**2.9675**	**2.9675**	**8.0000e-005**	**8.0000e-005**	**2.9922**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2440	2.1697	2.7092	4.6700e-003		0.1002	0.1002		0.0969	0.0969	0.0000	401.0579	401.0579	0.0664	0.0000	402.7177
Total	**0.2440**	**2.1697**	**2.7092**	**4.6700e-003**		**0.1002**	**0.1002**		**0.0969**	**0.0969**	**0.0000**	**401.0579**	**401.0579**	**0.0664**	**0.0000**	**402.7177**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1500e-003	0.0766	0.0287	3.5000e-004	0.0120	3.7000e-004	0.0123	3.4600e-003	3.5000e-004	3.8100e-003	0.0000	34.5462	34.5462	1.1500e-003	4.9700e-003	36.0567
Worker	0.0154	0.0123	0.1662	4.6000e-004	0.0533	3.3000e-004	0.0536	0.0142	3.0000e-004	0.0145	0.0000	42.9577	42.9577	1.1300e-003	1.1000e-003	43.3150
Total	**0.0176**	**0.0888**	**0.1948**	**8.1000e-004**	**0.0653**	**7.0000e-004**	**0.0660**	**0.0176**	**6.5000e-004**	**0.0183**	**0.0000**	**77.5039**	**77.5039**	**2.2800e-003**	**6.0700e-003**	**79.3717**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2440	2.1697	2.7092	4.6700e-003		0.1002	0.1002		0.0969	0.0969	0.0000	401.0575	401.0575	0.0664	0.0000	402.7172
Total	**0.2440**	**2.1697**	**2.7092**	**4.6700e-003**		**0.1002**	**0.1002**		**0.0969**	**0.0969**	**0.0000**	**401.0575**	**401.0575**	**0.0664**	**0.0000**	**402.7172**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1500e-003	0.0766	0.0287	3.5000e-004	0.0120	3.7000e-004	0.0123	3.4600e-003	3.5000e-004	3.8100e-003	0.0000	34.5462	34.5462	1.1500e-003	4.9700e-003	36.0567
Worker	0.0154	0.0123	0.1662	4.6000e-004	0.0533	3.3000e-004	0.0536	0.0142	3.0000e-004	0.0145	0.0000	42.9577	42.9577	1.1300e-003	1.1000e-003	43.3150
Total	**0.0176**	**0.0888**	**0.1948**	**8.1000e-004**	**0.0653**	**7.0000e-004**	**0.0660**	**0.0176**	**6.5000e-004**	**0.0183**	**0.0000**	**77.5039**	**77.5039**	**2.2800e-003**	**6.0700e-003**	**79.3717**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0364	0.3224	0.4266	7.4000e-004		0.0140	0.0140		0.0135	0.0135	0.0000	63.3219	63.3219	0.0104	0.0000	63.5817
Total	**0.0364**	**0.3224**	**0.4266**	**7.4000e-004**		**0.0140**	**0.0140**		**0.0135**	**0.0135**	**0.0000**	**63.3219**	**63.3219**	**0.0104**	**0.0000**	**63.5817**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.3000e-004	0.0121	4.4300e-003	5.0000e-005	1.8900e-003	6.0000e-005	1.9500e-003	5.5000e-004	6.0000e-005	6.0000e-004	0.0000	5.3728	5.3728	1.8000e-004	7.7000e-004	5.6081
Worker	2.2800e-003	1.7300e-003	0.0244	7.0000e-005	8.4200e-003	5.0000e-005	8.4700e-003	2.2400e-003	5.0000e-005	2.2800e-003	0.0000	6.6434	6.6434	1.6000e-004	1.6000e-004	6.6958
Total	**2.6100e-003**	**0.0138**	**0.0289**	**1.2000e-004**	**0.0103**	**1.1000e-004**	**0.0104**	**2.7900e-003**	**1.1000e-004**	**2.8800e-003**	**0.0000**	**12.0163**	**12.0163**	**3.4000e-004**	**9.3000e-004**	**12.3038**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0364	0.3224	0.4266	7.4000e-004		0.0140	0.0140		0.0135	0.0135	0.0000	63.3218	63.3218	0.0104	0.0000	63.5816
Total	**0.0364**	**0.3224**	**0.4266**	**7.4000e-004**		**0.0140**	**0.0140**		**0.0135**	**0.0135**	**0.0000**	**63.3218**	**63.3218**	**0.0104**	**0.0000**	**63.5816**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.3000e-004	0.0121	4.4300e-003	5.0000e-005	1.8900e-003	6.0000e-005	1.9500e-003	5.5000e-004	6.0000e-005	6.0000e-004	0.0000	5.3728	5.3728	1.8000e-004	7.7000e-004	5.6081
Worker	2.2800e-003	1.7300e-003	0.0244	7.0000e-005	8.4200e-003	5.0000e-005	8.4700e-003	2.2400e-003	5.0000e-005	2.2800e-003	0.0000	6.6434	6.6434	1.6000e-004	1.6000e-004	6.6958
Total	**2.6100e-003**	**0.0138**	**0.0289**	**1.2000e-004**	**0.0103**	**1.1000e-004**	**0.0104**	**2.7900e-003**	**1.1000e-004**	**2.8800e-003**	**0.0000**	**12.0163**	**12.0163**	**3.4000e-004**	**9.3000e-004**	**12.3038**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3397					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.6600e-003	0.0660	0.0948	1.5000e-004		2.8000e-003	2.8000e-003		2.7200e-003	2.7200e-003	0.0000	12.9855	12.9855	2.5400e-003	0.0000	13.0489
Total	**0.3474**	**0.0660**	**0.0948**	**1.5000e-004**		**2.8000e-003**	**2.8000e-003**		**2.7200e-003**	**2.7200e-003**	**0.0000**	**12.9855**	**12.9855**	**2.5400e-003**	**0.0000**	**13.0489**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9000e-004	7.0000e-004	9.5500e-003	3.0000e-005	3.0600e-003	2.0000e-005	3.0800e-003	8.1000e-004	2.0000e-005	8.3000e-004	0.0000	2.4685	2.4685	6.0000e-005	6.0000e-005	2.4890
Total	**8.9000e-004**	**7.0000e-004**	**9.5500e-003**	**3.0000e-005**	**3.0600e-003**	**2.0000e-005**	**3.0800e-003**	**8.1000e-004**	**2.0000e-005**	**8.3000e-004**	**0.0000**	**2.4685**	**2.4685**	**6.0000e-005**	**6.0000e-005**	**2.4890**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3397					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.6600e-003	0.0660	0.0948	1.5000e-004		2.8000e-003	2.8000e-003		2.7200e-003	2.7200e-003	0.0000	12.9854	12.9854	2.5400e-003	0.0000	13.0488
Total	**0.3474**	**0.0660**	**0.0948**	**1.5000e-004**		**2.8000e-003**	**2.8000e-003**		**2.7200e-003**	**2.7200e-003**	**0.0000**	**12.9854**	**12.9854**	**2.5400e-003**	**0.0000**	**13.0488**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9000e-004	7.0000e-004	9.5500e-003	3.0000e-005	3.0600e-003	2.0000e-005	3.0800e-003	8.1000e-004	2.0000e-005	8.3000e-004	0.0000	2.4685	2.4685	6.0000e-005	6.0000e-005	2.4890
Total	**8.9000e-004**	**7.0000e-004**	**9.5500e-003**	**3.0000e-005**	**3.0600e-003**	**2.0000e-005**	**3.0800e-003**	**8.1000e-004**	**2.0000e-005**	**8.3000e-004**	**0.0000**	**2.4685**	**2.4685**	**6.0000e-005**	**6.0000e-005**	**2.4890**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1896					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.1000e-003	0.0353	0.0529	9.0000e-005		1.4000e-003	1.4000e-003		1.3600e-003	1.3600e-003	0.0000	7.2470	7.2470	1.4000e-003	0.0000	7.2821
Total	**0.1937**	**0.0353**	**0.0529**	**9.0000e-005**		**1.4000e-003**	**1.4000e-003**		**1.3600e-003**	**1.3600e-003**	**0.0000**	**7.2470**	**7.2470**	**1.4000e-003**	**0.0000**	**7.2821**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.6000e-004	3.5000e-004	4.9600e-003	1.0000e-005	1.7100e-003	1.0000e-005	1.7200e-003	4.5000e-004	1.0000e-005	4.6000e-004	0.0000	1.3495	1.3495	3.0000e-005	3.0000e-005	1.3601
Total	**4.6000e-004**	**3.5000e-004**	**4.9600e-003**	**1.0000e-005**	**1.7100e-003**	**1.0000e-005**	**1.7200e-003**	**4.5000e-004**	**1.0000e-005**	**4.6000e-004**	**0.0000**	**1.3495**	**1.3495**	**3.0000e-005**	**3.0000e-005**	**1.3601**

3.7 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1896					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.1000e-003	0.0353	0.0529	9.0000e-005		1.4000e-003	1.4000e-003		1.3600e-003	1.3600e-003	0.0000	7.2470	7.2470	1.4000e-003	0.0000	7.2821
Total	**0.1937**	**0.0353**	**0.0529**	**9.0000e-005**		**1.4000e-003**	**1.4000e-003**		**1.3600e-003**	**1.3600e-003**	**0.0000**	**7.2470**	**7.2470**	**1.4000e-003**	**0.0000**	**7.2821**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.6000e-004	3.5000e-004	4.9600e-003	1.0000e-005	1.7100e-003	1.0000e-005	1.7200e-003	4.5000e-004	1.0000e-005	4.6000e-004	0.0000	1.3495	1.3495	3.0000e-005	3.0000e-005	1.3601
Total	**4.6000e-004**	**3.5000e-004**	**4.9600e-003**	**1.0000e-005**	**1.7100e-003**	**1.0000e-005**	**1.7200e-003**	**4.5000e-004**	**1.0000e-005**	**4.6000e-004**	**0.0000**	**1.3495**	**1.3495**	**3.0000e-005**	**3.0000e-005**	**1.3601**

3.8 Landscaping - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.5800e-003	0.0261	0.0338	6.0000e-005		9.1000e-004	9.1000e-004		8.6000e-004	8.6000e-004	0.0000	4.8018	4.8018	1.3600e-003	0.0000	4.8358
Total	**2.5800e-003**	**0.0261**	**0.0338**	**6.0000e-005**		**9.1000e-004**	**9.1000e-004**		**8.6000e-004**	**8.6000e-004**	**0.0000**	**4.8018**	**4.8018**	**1.3600e-003**	**0.0000**	**4.8358**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9000e-004	7.0000e-004	9.5500e-003	3.0000e-005	3.0600e-003	2.0000e-005	3.0800e-003	8.1000e-004	2.0000e-005	8.3000e-004	0.0000	2.4685	2.4685	6.0000e-005	6.0000e-005	2.4890
Total	**8.9000e-004**	**7.0000e-004**	**9.5500e-003**	**3.0000e-005**	**3.0600e-003**	**2.0000e-005**	**3.0800e-003**	**8.1000e-004**	**2.0000e-005**	**8.3000e-004**	**0.0000**	**2.4685**	**2.4685**	**6.0000e-005**	**6.0000e-005**	**2.4890**

3.8 Landscaping - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.5800e-003	0.0261	0.0338	6.0000e-005		9.1000e-004	9.1000e-004		8.6000e-004	8.6000e-004	0.0000	4.8018	4.8018	1.3600e-003	0.0000	4.8358
Total	**2.5800e-003**	**0.0261**	**0.0338**	**6.0000e-005**		**9.1000e-004**	**9.1000e-004**		**8.6000e-004**	**8.6000e-004**	**0.0000**	**4.8018**	**4.8018**	**1.3600e-003**	**0.0000**	**4.8358**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9000e-004	7.0000e-004	9.5500e-003	3.0000e-005	3.0600e-003	2.0000e-005	3.0800e-003	8.1000e-004	2.0000e-005	8.3000e-004	0.0000	2.4685	2.4685	6.0000e-005	6.0000e-005	2.4890
Total	**8.9000e-004**	**7.0000e-004**	**9.5500e-003**	**3.0000e-005**	**3.0600e-003**	**2.0000e-005**	**3.0800e-003**	**8.1000e-004**	**2.0000e-005**	**8.3000e-004**	**0.0000**	**2.4685**	**2.4685**	**6.0000e-005**	**6.0000e-005**	**2.4890**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.8 Landscaping - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.4100e-003	0.0141	0.0189	3.0000e-005		4.7000e-004	4.7000e-004		4.5000e-004	4.5000e-004	0.0000	2.6810	2.6810	7.6000e-004	0.0000	2.7000
Total	**1.4100e-003**	**0.0141**	**0.0189**	**3.0000e-005**		**4.7000e-004**	**4.7000e-004**		**4.5000e-004**	**4.5000e-004**	**0.0000**	**2.6810**	**2.6810**	**7.6000e-004**	**0.0000**	**2.7000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.6000e-004	3.5000e-004	4.9600e-003	1.0000e-005	1.7100e-003	1.0000e-005	1.7200e-003	4.5000e-004	1.0000e-005	4.6000e-004	0.0000	1.3495	1.3495	3.0000e-005	3.0000e-005	1.3601
Total	**4.6000e-004**	**3.5000e-004**	**4.9600e-003**	**1.0000e-005**	**1.7100e-003**	**1.0000e-005**	**1.7200e-003**	**4.5000e-004**	**1.0000e-005**	**4.6000e-004**	**0.0000**	**1.3495**	**1.3495**	**3.0000e-005**	**3.0000e-005**	**1.3601**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.8 Landscaping - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.4100e-003	0.0141	0.0189	3.0000e-005		4.7000e-004	4.7000e-004		4.5000e-004	4.5000e-004	0.0000	2.6810	2.6810	7.6000e-004	0.0000	2.7000
Total	**1.4100e-003**	**0.0141**	**0.0189**	**3.0000e-005**		**4.7000e-004**	**4.7000e-004**		**4.5000e-004**	**4.5000e-004**	**0.0000**	**2.6810**	**2.6810**	**7.6000e-004**	**0.0000**	**2.7000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.6000e-004	3.5000e-004	4.9600e-003	1.0000e-005	1.7100e-003	1.0000e-005	1.7200e-003	4.5000e-004	1.0000e-005	4.6000e-004	0.0000	1.3495	1.3495	3.0000e-005	3.0000e-005	1.3601
Total	**4.6000e-004**	**3.5000e-004**	**4.9600e-003**	**1.0000e-005**	**1.7100e-003**	**1.0000e-005**	**1.7200e-003**	**4.5000e-004**	**1.0000e-005**	**4.6000e-004**	**0.0000**	**1.3495**	**1.3495**	**3.0000e-005**	**3.0000e-005**	**1.3601**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.9 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0226	0.2046	0.2972	4.5000e-004		0.0100	0.0100		9.3400e-003	9.3400e-003	0.0000	39.5967	39.5967	0.0115	0.0000	39.8839
Paving	2.6000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0228**	**0.2046**	**0.2972**	**4.5000e-004**		**0.0100**	**0.0100**		**9.3400e-003**	**9.3400e-003**	**0.0000**	**39.5967**	**39.5967**	**0.0115**	**0.0000**	**39.8839**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1200e-003	8.5000e-004	0.0121	4.0000e-005	4.1600e-003	2.0000e-005	4.1800e-003	1.1000e-003	2.0000e-005	1.1300e-003	0.0000	3.2828	3.2828	8.0000e-005	8.0000e-005	3.3087
Total	**1.1200e-003**	**8.5000e-004**	**0.0121**	**4.0000e-005**	**4.1600e-003**	**2.0000e-005**	**4.1800e-003**	**1.1000e-003**	**2.0000e-005**	**1.1300e-003**	**0.0000**	**3.2828**	**3.2828**	**8.0000e-005**	**8.0000e-005**	**3.3087**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.9 Paving - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0226	0.2046	0.2972	4.5000e-004		0.0100	0.0100		9.3400e-003	9.3400e-003	0.0000	39.5967	39.5967	0.0115	0.0000	39.8838
Paving	2.6000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0228**	**0.2046**	**0.2972**	**4.5000e-004**		**0.0100**	**0.0100**		**9.3400e-003**	**9.3400e-003**	**0.0000**	**39.5967**	**39.5967**	**0.0115**	**0.0000**	**39.8838**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1200e-003	8.5000e-004	0.0121	4.0000e-005	4.1600e-003	2.0000e-005	4.1800e-003	1.1000e-003	2.0000e-005	1.1300e-003	0.0000	3.2828	3.2828	8.0000e-005	8.0000e-005	3.3087
Total	**1.1200e-003**	**8.5000e-004**	**0.0121**	**4.0000e-005**	**4.1600e-003**	**2.0000e-005**	**4.1800e-003**	**1.1000e-003**	**2.0000e-005**	**1.1300e-003**	**0.0000**	**3.2828**	**3.2828**	**8.0000e-005**	**8.0000e-005**	**3.3087**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2000	0.2186	1.9778	4.1800e-003	0.4410	3.1100e-003	0.4442	0.1177	2.8900e-003	0.1206	0.0000	393.5968	393.5968	0.0279	0.0174	399.4829
Unmitigated	0.2000	0.2186	1.9778	4.1800e-003	0.4410	3.1100e-003	0.4442	0.1177	2.8900e-003	0.1206	0.0000	393.5968	393.5968	0.0279	0.0174	399.4829

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
General Office Building	23.57	5.35	1.69	57,478	57,478
High Turnover (Sit Down Restaurant)	173.88	189.72	221.09	249,244	249,244
Parking Lot	0.00	0.00	0.00		
Strip Mall	31.02	29.43	14.30	54,047	54,047
Unrefrigerated Warehouse-No Rail	189.73	189.73	189.73	813,127	813,127
Total	418.20	414.23	426.82	1,173,896	1,173,896

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
General Office Building	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
High Turnover (Sit Down Restaurant)	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Parking Lot	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Strip Mall	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Unrefrigerated Warehouse-No Rail	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	50.4983	50.4983	7.9300e-003	9.6000e-004	50.9831
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	50.4983	50.4983	7.9300e-003	9.6000e-004	50.9831
NaturalGas Mitigated	2.5700e-003	0.0234	0.0196	1.4000e-004		1.7800e-003	1.7800e-003		1.7800e-003	1.7800e-003	0.0000	25.4507	25.4507	4.9000e-004	4.7000e-004	25.6019
NaturalGas Unmitigated	2.5700e-003	0.0234	0.0196	1.4000e-004		1.7800e-003	1.7800e-003		1.7800e-003	1.7800e-003	0.0000	25.4507	25.4507	4.9000e-004	4.7000e-004	25.6019

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	25001.8	1.3000e-004	1.2300e-003	1.0300e-003	1.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	1.3342	1.3342	3.0000e-005	2.0000e-005	1.3421
High Turnover (Sit Down Restaurant)	357012	1.9300e-003	0.0175	0.0147	1.1000e-004		1.3300e-003	1.3300e-003		1.3300e-003	1.3300e-003	0.0000	19.0515	19.0515	3.7000e-004	3.5000e-004	19.1647
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	1141	1.0000e-005	6.0000e-005	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0609	0.0609	0.0000	0.0000	0.0613
Unrefrigerated Warehouse-No Rail	93773.5	5.1000e-004	4.6000e-003	3.8600e-003	3.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	5.0041	5.0041	1.0000e-004	9.0000e-005	5.0339
Total		**2.5800e-003**	**0.0234**	**0.0196**	**1.5000e-004**		**1.7700e-003**	**1.7700e-003**		**1.7700e-003**	**1.7700e-003**	**0.0000**	**25.4507**	**25.4507**	**5.0000e-004**	**4.6000e-004**	**25.6019**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	25001.8	1.3000e-004	1.2300e-003	1.0300e-003	1.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	1.3342	1.3342	3.0000e-005	2.0000e-005	1.3421
High Turnover (Sit Down Restaurant)	357012	1.9300e-003	0.0175	0.0147	1.1000e-004		1.3300e-003	1.3300e-003		1.3300e-003	1.3300e-003	0.0000	19.0515	19.0515	3.7000e-004	3.5000e-004	19.1647
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	1141	1.0000e-005	6.0000e-005	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0609	0.0609	0.0000	0.0000	0.0613
Unrefrigerated Warehouse-No Rail	93773.5	5.1000e-004	4.6000e-003	3.8600e-003	3.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	5.0041	5.0041	1.0000e-004	9.0000e-005	5.0339
Total		**2.5800e-003**	**0.0234**	**0.0196**	**1.5000e-004**		**1.7700e-003**	**1.7700e-003**		**1.7700e-003**	**1.7700e-003**	**0.0000**	**25.4507**	**25.4507**	**5.0000e-004**	**4.6000e-004**	**25.6019**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	30312.5	2.8888	4.5000e-004	5.0000e-005	2.9165
High Turnover (Sit Down Restaurant)	67068.5	6.3916	1.0000e-003	1.2000e-004	6.4530
Parking Lot	5740	0.5470	9.0000e-005	1.0000e-005	0.5523
Strip Mall	9149	0.8719	1.4000e-004	2.0000e-005	0.8803
Unrefrigerated Warehouse-No Rail	417619	39.7990	6.2500e-003	7.6000e-004	40.1811
Total		**50.4983**	**7.9300e-003**	**9.6000e-004**	**50.9831**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	30312.5	2.8888	4.5000e-004	5.0000e-005	2.9165
High Turnover (Sit Down Restaurant)	67068.5	6.3916	1.0000e-003	1.2000e-004	6.4530
Parking Lot	5740	0.5470	9.0000e-005	1.0000e-005	0.5523
Strip Mall	9149	0.8719	1.4000e-004	2.0000e-005	0.8803
Unrefrigerated Warehouse-No Rail	417619	39.7990	6.2500e-003	7.6000e-004	40.1811
Total		**50.4983**	**7.9300e-003**	**9.6000e-004**	**50.9831**

6.0 Area Detail

6.1 Mitigation Measures Area

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.4653	2.0000e-005	1.9800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.8500e-003	3.8500e-003	1.0000e-005	0.0000	4.1000e-003
Unmitigated	0.4653	2.0000e-005	1.9800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.8500e-003	3.8500e-003	1.0000e-005	0.0000	4.1000e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0529					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4122					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.8000e-004	2.0000e-005	1.9800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.8500e-003	3.8500e-003	1.0000e-005	0.0000	4.1000e-003
Total	**0.4653**	**2.0000e-005**	**1.9800e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**3.8500e-003**	**3.8500e-003**	**1.0000e-005**	**0.0000**	**4.1000e-003**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0529					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4122					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.8000e-004	2.0000e-005	1.9800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.8500e-003	3.8500e-003	1.0000e-005	0.0000	4.1000e-003
Total	**0.4653**	**2.0000e-005**	**1.9800e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**3.8500e-003**	**3.8500e-003**	**1.0000e-005**	**0.0000**	**4.1000e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	41.7868	0.8579	0.0208	69.4252
Unmitigated	41.7868	0.8579	0.0208	69.4252

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0.631485	0.6686	1.1000e-004	1.0000e-005	0.6750
General Office Building	0.430116 / 0.263619	0.9493	0.0141	3.5000e-004	1.4061
High Turnover (Sit Down Restaurant)	0.470477 / 0.0300305	0.7649	0.0154	3.7000e-004	1.2619
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.0518508 / 0.0317795	0.1144	1.7000e-003	4.0000e-005	0.1695
Unrefrigerated Warehouse-No Rail	25.2155 / 0	39.2896	0.8266	0.0200	65.9126
Total		**41.7868**	**0.8579**	**0.0208**	**69.4252**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0.631485	0.6686	1.1000e-004	1.0000e-005	0.6750
General Office Building	0.430116 / 0.263619	0.9493	0.0141	3.5000e-004	1.4061
High Turnover (Sit Down Restaurant)	0.470477 / 0.0300305	0.7649	0.0154	3.7000e-004	1.2619
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.0518508 / 0.0317795	0.1144	1.7000e-003	4.0000e-005	0.1695
Unrefrigerated Warehouse-No Rail	25.2155 / 0	39.2896	0.8266	0.0200	65.9126
Total		**41.7868**	**0.8579**	**0.0208**	**69.4252**

8.0 Waste Detail

8.1 Mitigation Measures Waste

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	25.1689	1.4874	0.0000	62.3548
Unmitigated	25.1689	1.4874	0.0000	62.3548

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.05	0.0102	6.0000e-004	0.0000	0.0252
General Office Building	2.25	0.4567	0.0270	0.0000	1.1315
High Turnover (Sit Down Restaurant)	18.45	3.7452	0.2213	0.0000	9.2785
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.74	0.1502	8.8800e-003	0.0000	0.3722
Unrefrigerated Warehouse-No Rail	102.5	20.8066	1.2296	0.0000	51.5474
Total		**25.1688**	**1.4874**	**0.0000**	**62.3548**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.05	0.0102	6.0000e-004	0.0000	0.0252
General Office Building	2.25	0.4567	0.0270	0.0000	1.1315
High Turnover (Sit Down Restaurant)	18.45	3.7452	0.2213	0.0000	9.2785
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.74	0.1502	8.8800e-003	0.0000	0.3722
Unrefrigerated Warehouse-No Rail	102.5	20.8066	1.2296	0.0000	51.5474
Total		**25.1688**	**1.4874**	**0.0000**	**62.3548**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	2.42	1000sqft	0.20	2,425.00	0
Unrefrigerated Warehouse-No Rail	109.04	1000sqft	0.50	109,039.00	0
Parking Lot	41.00	Space	0.20	16,400.00	0
City Park	0.53	Acre	1.50	22,999.68	0
High Turnover (Sit Down Restaurant)	1.55	1000sqft	0.20	1,550.00	0
Strip Mall	0.70	1000sqft	0.20	700.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	210.1	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Updated CO2e

Land Use - See Construction Assumptions

Construction Phase - See Construction Assumptions

Off-road Equipment - See Construction Assumptions

Off-road Equipment - See Construction Assumptions

Off-road Equipment - See Construction Assumptions

Off-road Equipment - See Construction Assumptions

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Off-road Equipment - See Construction Assumptions

Off-road Equipment - See Construction Assumptions

Off-road Equipment - See Construction Assumptions

Off-road Equipment - See Construction Assumptions

Trips and VMT -

Grading -

Architectural Coating - Landscaping has no VOCs

Vehicle Trips - no VMT for City Park

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	56,857.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	170,571.00	0.00
tblArchitecturalCoating	ConstArea_Parking	984.00	0.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	0.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	0.00
tblArchitecturalCoating	EF_Parking	100.00	0.00
tblArchitecturalCoating	EF_Residential_Exterior	50.00	0.00
tblArchitecturalCoating	EF_Residential_Interior	50.00	0.00
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	3.00	23.00
tblConstructionPhase	NumDays	6.00	21.00
tblConstructionPhase	NumDays	220.00	176.00
tblConstructionPhase	NumDays	10.00	67.00
tblConstructionPhase	NumDays	10.00	67.00
tblConstructionPhase	NumDays	10.00	23.00
tblLandUse	LandUseSquareFeet	2,420.00	2,425.00
tblLandUse	LandUseSquareFeet	109,040.00	109,039.00
tblLandUse	LandUseSquareFeet	23,086.80	22,999.68

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblLandUse	LotAcreage	0.06	0.20
tblLandUse	LotAcreage	2.50	0.50
tblLandUse	LotAcreage	0.37	0.20
tblLandUse	LotAcreage	0.53	1.50
tblLandUse	LotAcreage	0.04	0.20
tblLandUse	LotAcreage	0.02	0.20
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblProjectCharacteristics	CO2IntensityFactor	390.98	210.1
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	WD_TR	0.78	0.00

2.0 Emissions Summary

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.7314	3.3237	4.0813	7.8100e-003	0.1406	0.1533	0.2938	0.0297	0.1476	0.1773	0.0000	680.0894	680.0894	0.1027	6.6000e-003	684.6229
2024	0.2544	0.5375	0.7610	1.3700e-003	0.0179	0.0243	0.0422	4.7900e-003	0.0232	0.0280	0.0000	119.2817	119.2817	0.0209	1.0800e-003	120.1276
Maximum	**0.7314**	**3.3237**	**4.0813**	**7.8100e-003**	**0.1406**	**0.1533**	**0.2938**	**0.0297**	**0.1476**	**0.1773**	**0.0000**	**680.0894**	**680.0894**	**0.1027**	**6.6000e-003**	**684.6229**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.7314	3.3237	4.0813	7.8100e-003	0.1100	0.1533	0.2632	0.0264	0.1476	0.1740	0.0000	680.0887	680.0887	0.1027	6.6000e-003	684.6222
2024	0.2544	0.5375	0.7610	1.3700e-003	0.0179	0.0243	0.0422	4.7900e-003	0.0232	0.0280	0.0000	119.2816	119.2816	0.0209	1.0800e-003	120.1274
Maximum	**0.7314**	**3.3237**	**4.0813**	**7.8100e-003**	**0.1100**	**0.1533**	**0.2632**	**0.0264**	**0.1476**	**0.1740**	**0.0000**	**680.0887**	**680.0887**	**0.1027**	**6.6000e-003**	**684.6222**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**19.29**	**0.00**	**9.09**	**9.57**	**0.00**	**1.61**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**1-1-2023**	**3-31-2023**	1.0291	1.0291
2	**4-1-2023**	**6-30-2023**	0.7290	0.7290
3	**7-1-2023**	**9-30-2023**	0.9214	0.9214
4	**10-1-2023**	**12-31-2023**	1.3751	1.3751
5	**1-1-2024**	**3-31-2024**	0.7568	0.7568
		Highest	1.3751	1.3751

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.4653	2.0000e-005	1.9800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.8500e-003	3.8500e-003	1.0000e-005	0.0000	4.1000e-003
Energy	2.5700e-003	0.0234	0.0196	1.4000e-004		1.7800e-003	1.7800e-003		1.7800e-003	1.7800e-003	0.0000	75.9490	75.9490	8.4200e-003	1.4300e-003	76.5851
Mobile	0.2000	0.2186	1.9778	4.1800e-003	0.4410	3.1100e-003	0.4442	0.1177	2.8900e-003	0.1206	0.0000	393.5968	393.5968	0.0279	0.0174	399.4829
Waste						0.0000	0.0000		0.0000	0.0000	25.1689	0.0000	25.1689	1.4874	0.0000	62.3548
Water						0.0000	0.0000		0.0000	0.0000	8.3019	33.4849	41.7868	0.8579	0.0208	69.4252
Total	**0.6679**	**0.2420**	**1.9994**	**4.3200e-003**	**0.4410**	**4.9000e-003**	**0.4459**	**0.1177**	**4.6800e-003**	**0.1223**	**33.4707**	**503.0345**	**536.5053**	**2.3817**	**0.0396**	**607.8520**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.4653	2.0000e-005	1.9800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.8500e-003	3.8500e-003	1.0000e-005	0.0000	4.1000e-003
Energy	2.5700e-003	0.0234	0.0196	1.4000e-004		1.7800e-003	1.7800e-003		1.7800e-003	1.7800e-003	0.0000	75.9490	75.9490	8.4200e-003	1.4300e-003	76.5851
Mobile	0.2000	0.2186	1.9778	4.1800e-003	0.4410	3.1100e-003	0.4442	0.1177	2.8900e-003	0.1206	0.0000	393.5968	393.5968	0.0279	0.0174	399.4829
Waste						0.0000	0.0000		0.0000	0.0000	25.1689	0.0000	25.1689	1.4874	0.0000	62.3548
Water						0.0000	0.0000		0.0000	0.0000	8.3019	33.4849	41.7868	0.8579	0.0208	69.4252
Total	**0.6679**	**0.2420**	**1.9994**	**4.3200e-003**	**0.4410**	**4.9000e-003**	**0.4459**	**0.1177**	**4.6800e-003**	**0.1223**	**33.4707**	**503.0345**	**536.5053**	**2.3817**	**0.0396**	**607.8520**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demo & Site Preparation	Site Preparation	1/1/2023	2/1/2023	5	23	
2	Grading/Excavation	Grading	2/1/2023	3/1/2023	5	21	
3	Drainage/Utilities/Trenching	Trenching	3/1/2023	5/1/2023	5	44	

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4	Foundations/Concrete Pour	Trenching	5/1/2023	6/1/2023	5	24	
5	Building Construction	Building Construction	6/1/2023	2/1/2024	5	176	
6	Architectural Coating	Architectural Coating	11/1/2023	2/1/2024	5	67	
7	Landscaping	Architectural Coating	11/1/2023	2/1/2024	5	67	
8	Paving	Paving	1/1/2024	1/31/2024	5	23	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 94.5

Acres of Paving: 0.2

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 170,571; Non-Residential Outdoor: 56,857; Striped Parking Area: 984 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demo & Site Preparation	Air Compressors	2	8.00	78	0.48
Demo & Site Preparation	Dumpers/Tenders	2	8.00	16	0.38
Demo & Site Preparation	Excavators	1	8.00	158	0.38
Demo & Site Preparation	Generator Sets	1	8.00	84	0.74
Demo & Site Preparation	Skid Steer Loaders	1	8.00	65	0.37
Demo & Site Preparation	Sweepers/Scrubbers	1	8.00	64	0.46
Demo & Site Preparation	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading/Excavation	Concrete/Industrial Saws	1	8.00	81	0.73
Grading/Excavation	Crawler Tractors	2	8.00	212	0.43
Grading/Excavation	Dumpers/Tenders	2	8.00	16	0.38
Grading/Excavation	Excavators	1	8.00	158	0.38
Grading/Excavation	Graders	1	8.00	187	0.41
Grading/Excavation	Plate Compactors	1	8.00	8	0.43
Grading/Excavation	Rollers	1	8.00	80	0.38
Grading/Excavation	Scrapers	3	8.00	367	0.48

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Grading/Excavation	Sweepers/Scrubbers	1	8.00	64	0.46
Grading/Excavation	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Drainage/Utilities/Trenching	Air Compressors	1	8.00	78	0.48
Drainage/Utilities/Trenching	Dumpers/Tenders	2	8.00	16	0.38
Drainage/Utilities/Trenching	Excavators	1	8.00	158	0.38
Drainage/Utilities/Trenching	Generator Sets	2	8.00	84	0.74
Drainage/Utilities/Trenching	Plate Compactors	1	8.00	8	0.43
Drainage/Utilities/Trenching	Pumps	1	8.00	84	0.74
Drainage/Utilities/Trenching	Rough Terrain Forklifts	1	8.00	100	0.40
Drainage/Utilities/Trenching	Sweepers/Scrubbers	1	8.00	64	0.46
Drainage/Utilities/Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Foundations/Concrete Pour	Air Compressors	1	8.00	78	0.48
Foundations/Concrete Pour	Concrete/Industrial Saws	1	8.00	81	0.73
Foundations/Concrete Pour	Dumpers/Tenders	2	8.00	16	0.38
Foundations/Concrete Pour	Plate Compactors	1	8.00	8	0.43
Foundations/Concrete Pour	Pumps	1	8.00	84	0.74
Foundations/Concrete Pour	Rough Terrain Forklifts	1	8.00	100	0.40
Foundations/Concrete Pour	Skid Steer Loaders	1	8.00	65	0.37
Foundations/Concrete Pour	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Air Compressors	2	8.00	78	0.48
Building Construction	Cement and Mortar Mixers	2	8.00	9	0.56
Building Construction	Concrete/Industrial Saws	2	8.00	81	0.73
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Dumpers/Tenders	1	8.00	16	0.38
Building Construction	Forklifts	4	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Pumps	1	8.00	84	0.74
Building Construction	Rough Terrain Forklifts	1	8.00	100	0.40
Architectural Coating	Air Compressors	1	6.00	78	0.48

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Architectural Coating	Cement and Mortar Mixers	1	8.00	9	0.56
Architectural Coating	Rough Terrain Forklifts	1	8.00	100	0.40
Landscaping	Dumpers/Tenders	1	6.00	16	0.38
Landscaping	Skid Steer Loaders	1	8.00	65	0.37
Paving	Air Compressors	1	8.00	78	0.48
Paving	Dumpers/Tenders	2	8.00	16	0.38
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	3	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Sweepers/Scrubbers	1	8.00	64	0.46
Paving	Tractors/Loaders/Backhoes	3	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demo & Site Preparation	11	28.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading/Excavation	16	40.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Drainage/Utilities/Trenching	12	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Foundations/Concrete Pour	11	28.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	15	64.00	25.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	3	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Landscaping	2	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	13	33.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demo & Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0207	0.1756	0.2463	3.9000e-004		8.7900e-003	8.7900e-003		8.4100e-003	8.4100e-003	0.0000	33.7375	33.7375	6.7600e-003	0.0000	33.9065
Total	**0.0207**	**0.1756**	**0.2463**	**3.9000e-004**	**0.0000**	**8.7900e-003**	**8.7900e-003**	**0.0000**	**8.4100e-003**	**8.4100e-003**	**0.0000**	**33.7375**	**33.7375**	**6.7600e-003**	**0.0000**	**33.9065**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0200e-003	8.1000e-004	0.0110	3.0000e-005	3.5300e-003	2.0000e-005	3.5500e-003	9.4000e-004	2.0000e-005	9.6000e-004	0.0000	2.8438	2.8438	7.0000e-005	7.0000e-005	2.8675
Total	**1.0200e-003**	**8.1000e-004**	**0.0110**	**3.0000e-005**	**3.5300e-003**	**2.0000e-005**	**3.5500e-003**	**9.4000e-004**	**2.0000e-005**	**9.6000e-004**	**0.0000**	**2.8438**	**2.8438**	**7.0000e-005**	**7.0000e-005**	**2.8675**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demo & Site Preparation - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0207	0.1756	0.2463	3.9000e-004		8.7900e-003	8.7900e-003		8.4100e-003	8.4100e-003	0.0000	33.7375	33.7375	6.7600e-003	0.0000	33.9064
Total	**0.0207**	**0.1756**	**0.2463**	**3.9000e-004**	**0.0000**	**8.7900e-003**	**8.7900e-003**	**0.0000**	**8.4100e-003**	**8.4100e-003**	**0.0000**	**33.7375**	**33.7375**	**6.7600e-003**	**0.0000**	**33.9064**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0200e-003	8.1000e-004	0.0110	3.0000e-005	3.5300e-003	2.0000e-005	3.5500e-003	9.4000e-004	2.0000e-005	9.6000e-004	0.0000	2.8438	2.8438	7.0000e-005	7.0000e-005	2.8675
Total	**1.0200e-003**	**8.1000e-004**	**0.0110**	**3.0000e-005**	**3.5300e-003**	**2.0000e-005**	**3.5500e-003**	**9.4000e-004**	**2.0000e-005**	**9.6000e-004**	**0.0000**	**2.8438**	**2.8438**	**7.0000e-005**	**7.0000e-005**	**2.8675**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading/Excavation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0501	0.0000	0.0501	5.4100e-003	0.0000	5.4100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0533	0.5503	0.4394	9.9000e-004		0.0228	0.0228		0.0211	0.0211	0.0000	86.7657	86.7657	0.0262	0.0000	87.4205
Total	**0.0533**	**0.5503**	**0.4394**	**9.9000e-004**	**0.0501**	**0.0228**	**0.0729**	**5.4100e-003**	**0.0211**	**0.0265**	**0.0000**	**86.7657**	**86.7657**	**0.0262**	**0.0000**	**87.4205**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3300e-003	1.0600e-003	0.0144	4.0000e-005	4.6000e-003	3.0000e-005	4.6300e-003	1.2200e-003	3.0000e-005	1.2500e-003	0.0000	3.7093	3.7093	1.0000e-004	1.0000e-004	3.7402
Total	**1.3300e-003**	**1.0600e-003**	**0.0144**	**4.0000e-005**	**4.6000e-003**	**3.0000e-005**	**4.6300e-003**	**1.2200e-003**	**3.0000e-005**	**1.2500e-003**	**0.0000**	**3.7093**	**3.7093**	**1.0000e-004**	**1.0000e-004**	**3.7402**

3.3 Grading/Excavation - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0195	0.0000	0.0195	2.1100e-003	0.0000	2.1100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0533	0.5503	0.4394	9.9000e-004		0.0228	0.0228		0.0211	0.0211	0.0000	86.7656	86.7656	0.0262	0.0000	87.4204
Total	**0.0533**	**0.5503**	**0.4394**	**9.9000e-004**	**0.0195**	**0.0228**	**0.0423**	**2.1100e-003**	**0.0211**	**0.0232**	**0.0000**	**86.7656**	**86.7656**	**0.0262**	**0.0000**	**87.4204**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3300e-003	1.0600e-003	0.0144	4.0000e-005	4.6000e-003	3.0000e-005	4.6300e-003	1.2200e-003	3.0000e-005	1.2500e-003	0.0000	3.7093	3.7093	1.0000e-004	1.0000e-004	3.7402
Total	**1.3300e-003**	**1.0600e-003**	**0.0144**	**4.0000e-005**	**4.6000e-003**	**3.0000e-005**	**4.6300e-003**	**1.2200e-003**	**3.0000e-005**	**1.2500e-003**	**0.0000**	**3.7093**	**3.7093**	**1.0000e-004**	**1.0000e-004**	**3.7402**

3.4 Drainage/Utilities/Trenching - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0476	0.4142	0.5746	9.5000e-004		0.0201	0.0201		0.0194	0.0194	0.0000	81.5081	81.5081	0.0133	0.0000	81.8408
Total	**0.0476**	**0.4142**	**0.5746**	**9.5000e-004**		**0.0201**	**0.0201**		**0.0194**	**0.0194**	**0.0000**	**81.5081**	**81.5081**	**0.0133**	**0.0000**	**81.8408**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1000e-003	1.6600e-003	0.0226	6.0000e-005	7.2300e-003	4.0000e-005	7.2800e-003	1.9200e-003	4.0000e-005	1.9600e-003	0.0000	5.8290	5.8290	1.5000e-004	1.5000e-004	5.8775
Total	**2.1000e-003**	**1.6600e-003**	**0.0226**	**6.0000e-005**	**7.2300e-003**	**4.0000e-005**	**7.2800e-003**	**1.9200e-003**	**4.0000e-005**	**1.9600e-003**	**0.0000**	**5.8290**	**5.8290**	**1.5000e-004**	**1.5000e-004**	**5.8775**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Drainage/Utilities/Trenching - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0476	0.4142	0.5746	9.5000e-004		0.0201	0.0201		0.0194	0.0194	0.0000	81.5080	81.5080	0.0133	0.0000	81.8407
Total	**0.0476**	**0.4142**	**0.5746**	**9.5000e-004**		**0.0201**	**0.0201**		**0.0194**	**0.0194**	**0.0000**	**81.5080**	**81.5080**	**0.0133**	**0.0000**	**81.8407**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1000e-003	1.6600e-003	0.0226	6.0000e-005	7.2300e-003	4.0000e-005	7.2800e-003	1.9200e-003	4.0000e-005	1.9600e-003	0.0000	5.8290	5.8290	1.5000e-004	1.5000e-004	5.8775
Total	**2.1000e-003**	**1.6600e-003**	**0.0226**	**6.0000e-005**	**7.2300e-003**	**4.0000e-005**	**7.2800e-003**	**1.9200e-003**	**4.0000e-005**	**1.9600e-003**	**0.0000**	**5.8290**	**5.8290**	**1.5000e-004**	**1.5000e-004**	**5.8775**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Foundations/Concrete Pour - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0208	0.1815	0.2505	4.0000e-004		8.4400e-003	8.4400e-003		8.1500e-003	8.1500e-003	0.0000	34.6872	34.6872	6.1200e-003	0.0000	34.8402
Total	**0.0208**	**0.1815**	**0.2505**	**4.0000e-004**		**8.4400e-003**	**8.4400e-003**		**8.1500e-003**	**8.1500e-003**	**0.0000**	**34.6872**	**34.6872**	**6.1200e-003**	**0.0000**	**34.8402**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0700e-003	8.5000e-004	0.0115	3.0000e-005	3.6800e-003	2.0000e-005	3.7000e-003	9.8000e-004	2.0000e-005	1.0000e-003	0.0000	2.9675	2.9675	8.0000e-005	8.0000e-005	2.9922
Total	**1.0700e-003**	**8.5000e-004**	**0.0115**	**3.0000e-005**	**3.6800e-003**	**2.0000e-005**	**3.7000e-003**	**9.8000e-004**	**2.0000e-005**	**1.0000e-003**	**0.0000**	**2.9675**	**2.9675**	**8.0000e-005**	**8.0000e-005**	**2.9922**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Foundations/Concrete Pour - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0208	0.1815	0.2505	4.0000e-004		8.4400e-003	8.4400e-003		8.1500e-003	8.1500e-003	0.0000	34.6872	34.6872	6.1200e-003	0.0000	34.8402
Total	**0.0208**	**0.1815**	**0.2505**	**4.0000e-004**		**8.4400e-003**	**8.4400e-003**		**8.1500e-003**	**8.1500e-003**	**0.0000**	**34.6872**	**34.6872**	**6.1200e-003**	**0.0000**	**34.8402**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0700e-003	8.5000e-004	0.0115	3.0000e-005	3.6800e-003	2.0000e-005	3.7000e-003	9.8000e-004	2.0000e-005	1.0000e-003	0.0000	2.9675	2.9675	8.0000e-005	8.0000e-005	2.9922
Total	**1.0700e-003**	**8.5000e-004**	**0.0115**	**3.0000e-005**	**3.6800e-003**	**2.0000e-005**	**3.7000e-003**	**9.8000e-004**	**2.0000e-005**	**1.0000e-003**	**0.0000**	**2.9675**	**2.9675**	**8.0000e-005**	**8.0000e-005**	**2.9922**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2143	1.8154	2.1687	3.8300e-003		0.0886	0.0886		0.0861	0.0861	0.0000	327.8131	327.8131	0.0436	0.0000	328.9033
Total	**0.2143**	**1.8154**	**2.1687**	**3.8300e-003**		**0.0886**	**0.0886**		**0.0861**	**0.0861**	**0.0000**	**327.8131**	**327.8131**	**0.0436**	**0.0000**	**328.9033**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1500e-003	0.0766	0.0287	3.5000e-004	0.0120	3.7000e-004	0.0123	3.4600e-003	3.5000e-004	3.8100e-003	0.0000	34.5462	34.5462	1.1500e-003	4.9700e-003	36.0567
Worker	0.0154	0.0123	0.1662	4.6000e-004	0.0533	3.3000e-004	0.0536	0.0142	3.0000e-004	0.0145	0.0000	42.9577	42.9577	1.1300e-003	1.1000e-003	43.3150
Total	**0.0176**	**0.0888**	**0.1948**	**8.1000e-004**	**0.0653**	**7.0000e-004**	**0.0660**	**0.0176**	**6.5000e-004**	**0.0183**	**0.0000**	**77.5039**	**77.5039**	**2.2800e-003**	**6.0700e-003**	**79.3717**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2143	1.8154	2.1687	3.8300e-003		0.0886	0.0886		0.0861	0.0861	0.0000	327.8127	327.8127	0.0436	0.0000	328.9029
Total	**0.2143**	**1.8154**	**2.1687**	**3.8300e-003**		**0.0886**	**0.0886**		**0.0861**	**0.0861**	**0.0000**	**327.8127**	**327.8127**	**0.0436**	**0.0000**	**328.9029**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1500e-003	0.0766	0.0287	3.5000e-004	0.0120	3.7000e-004	0.0123	3.4600e-003	3.5000e-004	3.8100e-003	0.0000	34.5462	34.5462	1.1500e-003	4.9700e-003	36.0567
Worker	0.0154	0.0123	0.1662	4.6000e-004	0.0533	3.3000e-004	0.0536	0.0142	3.0000e-004	0.0145	0.0000	42.9577	42.9577	1.1300e-003	1.1000e-003	43.3150
Total	**0.0176**	**0.0888**	**0.1948**	**8.1000e-004**	**0.0653**	**7.0000e-004**	**0.0660**	**0.0176**	**6.5000e-004**	**0.0183**	**0.0000**	**77.5039**	**77.5039**	**2.2800e-003**	**6.0700e-003**	**79.3717**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0318	0.2682	0.3412	6.0000e-004		0.0123	0.0123		0.0119	0.0119	0.0000	51.7591	51.7591	6.8000e-003	0.0000	51.9290
Total	**0.0318**	**0.2682**	**0.3412**	**6.0000e-004**		**0.0123**	**0.0123**		**0.0119**	**0.0119**	**0.0000**	**51.7591**	**51.7591**	**6.8000e-003**	**0.0000**	**51.9290**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.3000e-004	0.0121	4.4300e-003	5.0000e-005	1.8900e-003	6.0000e-005	1.9500e-003	5.5000e-004	6.0000e-005	6.0000e-004	0.0000	5.3728	5.3728	1.8000e-004	7.7000e-004	5.6081
Worker	2.2800e-003	1.7300e-003	0.0244	7.0000e-005	8.4200e-003	5.0000e-005	8.4700e-003	2.2400e-003	5.0000e-005	2.2800e-003	0.0000	6.6434	6.6434	1.6000e-004	1.6000e-004	6.6958
Total	**2.6100e-003**	**0.0138**	**0.0289**	**1.2000e-004**	**0.0103**	**1.1000e-004**	**0.0104**	**2.7900e-003**	**1.1000e-004**	**2.8800e-003**	**0.0000**	**12.0163**	**12.0163**	**3.4000e-004**	**9.3000e-004**	**12.3038**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0318	0.2682	0.3412	6.0000e-004		0.0123	0.0123		0.0119	0.0119	0.0000	51.7590	51.7590	6.8000e-003	0.0000	51.9290
Total	**0.0318**	**0.2682**	**0.3412**	**6.0000e-004**		**0.0123**	**0.0123**		**0.0119**	**0.0119**	**0.0000**	**51.7590**	**51.7590**	**6.8000e-003**	**0.0000**	**51.9290**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.3000e-004	0.0121	4.4300e-003	5.0000e-005	1.8900e-003	6.0000e-005	1.9500e-003	5.5000e-004	6.0000e-005	6.0000e-004	0.0000	5.3728	5.3728	1.8000e-004	7.7000e-004	5.6081
Worker	2.2800e-003	1.7300e-003	0.0244	7.0000e-005	8.4200e-003	5.0000e-005	8.4700e-003	2.2400e-003	5.0000e-005	2.2800e-003	0.0000	6.6434	6.6434	1.6000e-004	1.6000e-004	6.6958
Total	**2.6100e-003**	**0.0138**	**0.0289**	**1.2000e-004**	**0.0103**	**1.1000e-004**	**0.0104**	**2.7900e-003**	**1.1000e-004**	**2.8800e-003**	**0.0000**	**12.0163**	**12.0163**	**3.4000e-004**	**9.3000e-004**	**12.3038**

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3397					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.6600e-003	0.0660	0.0948	1.5000e-004		2.8000e-003	2.8000e-003		2.7200e-003	2.7200e-003	0.0000	12.9855	12.9855	2.5400e-003	0.0000	13.0489
Total	**0.3474**	**0.0660**	**0.0948**	**1.5000e-004**		**2.8000e-003**	**2.8000e-003**		**2.7200e-003**	**2.7200e-003**	**0.0000**	**12.9855**	**12.9855**	**2.5400e-003**	**0.0000**	**13.0489**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9000e-004	7.0000e-004	9.5500e-003	3.0000e-005	3.0600e-003	2.0000e-005	3.0800e-003	8.1000e-004	2.0000e-005	8.3000e-004	0.0000	2.4685	2.4685	6.0000e-005	6.0000e-005	2.4890
Total	**8.9000e-004**	**7.0000e-004**	**9.5500e-003**	**3.0000e-005**	**3.0600e-003**	**2.0000e-005**	**3.0800e-003**	**8.1000e-004**	**2.0000e-005**	**8.3000e-004**	**0.0000**	**2.4685**	**2.4685**	**6.0000e-005**	**6.0000e-005**	**2.4890**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3397					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.6600e-003	0.0660	0.0948	1.5000e-004		2.8000e-003	2.8000e-003		2.7200e-003	2.7200e-003	0.0000	12.9854	12.9854	2.5400e-003	0.0000	13.0488
Total	**0.3474**	**0.0660**	**0.0948**	**1.5000e-004**		**2.8000e-003**	**2.8000e-003**		**2.7200e-003**	**2.7200e-003**	**0.0000**	**12.9854**	**12.9854**	**2.5400e-003**	**0.0000**	**13.0488**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9000e-004	7.0000e-004	9.5500e-003	3.0000e-005	3.0600e-003	2.0000e-005	3.0800e-003	8.1000e-004	2.0000e-005	8.3000e-004	0.0000	2.4685	2.4685	6.0000e-005	6.0000e-005	2.4890
Total	**8.9000e-004**	**7.0000e-004**	**9.5500e-003**	**3.0000e-005**	**3.0600e-003**	**2.0000e-005**	**3.0800e-003**	**8.1000e-004**	**2.0000e-005**	**8.3000e-004**	**0.0000**	**2.4685**	**2.4685**	**6.0000e-005**	**6.0000e-005**	**2.4890**

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1896					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.1000e-003	0.0353	0.0529	9.0000e-005		1.4000e-003	1.4000e-003		1.3600e-003	1.3600e-003	0.0000	7.2470	7.2470	1.4000e-003	0.0000	7.2821
Total	**0.1937**	**0.0353**	**0.0529**	**9.0000e-005**		**1.4000e-003**	**1.4000e-003**		**1.3600e-003**	**1.3600e-003**	**0.0000**	**7.2470**	**7.2470**	**1.4000e-003**	**0.0000**	**7.2821**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.6000e-004	3.5000e-004	4.9600e-003	1.0000e-005	1.7100e-003	1.0000e-005	1.7200e-003	4.5000e-004	1.0000e-005	4.6000e-004	0.0000	1.3495	1.3495	3.0000e-005	3.0000e-005	1.3601
Total	**4.6000e-004**	**3.5000e-004**	**4.9600e-003**	**1.0000e-005**	**1.7100e-003**	**1.0000e-005**	**1.7200e-003**	**4.5000e-004**	**1.0000e-005**	**4.6000e-004**	**0.0000**	**1.3495**	**1.3495**	**3.0000e-005**	**3.0000e-005**	**1.3601**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1896					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.1000e-003	0.0353	0.0529	9.0000e-005		1.4000e-003	1.4000e-003		1.3600e-003	1.3600e-003	0.0000	7.2470	7.2470	1.4000e-003	0.0000	7.2821
Total	**0.1937**	**0.0353**	**0.0529**	**9.0000e-005**		**1.4000e-003**	**1.4000e-003**		**1.3600e-003**	**1.3600e-003**	**0.0000**	**7.2470**	**7.2470**	**1.4000e-003**	**0.0000**	**7.2821**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.6000e-004	3.5000e-004	4.9600e-003	1.0000e-005	1.7100e-003	1.0000e-005	1.7200e-003	4.5000e-004	1.0000e-005	4.6000e-004	0.0000	1.3495	1.3495	3.0000e-005	3.0000e-005	1.3601
Total	**4.6000e-004**	**3.5000e-004**	**4.9600e-003**	**1.0000e-005**	**1.7100e-003**	**1.0000e-005**	**1.7200e-003**	**4.5000e-004**	**1.0000e-005**	**4.6000e-004**	**0.0000**	**1.3495**	**1.3495**	**3.0000e-005**	**3.0000e-005**	**1.3601**

3.8 Landscaping - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.5800e-003	0.0261	0.0338	6.0000e-005		9.1000e-004	9.1000e-004		8.6000e-004	8.6000e-004	0.0000	4.8018	4.8018	1.3600e-003	0.0000	4.8358
Total	**2.5800e-003**	**0.0261**	**0.0338**	**6.0000e-005**		**9.1000e-004**	**9.1000e-004**		**8.6000e-004**	**8.6000e-004**	**0.0000**	**4.8018**	**4.8018**	**1.3600e-003**	**0.0000**	**4.8358**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9000e-004	7.0000e-004	9.5500e-003	3.0000e-005	3.0600e-003	2.0000e-005	3.0800e-003	8.1000e-004	2.0000e-005	8.3000e-004	0.0000	2.4685	2.4685	6.0000e-005	6.0000e-005	2.4890
Total	**8.9000e-004**	**7.0000e-004**	**9.5500e-003**	**3.0000e-005**	**3.0600e-003**	**2.0000e-005**	**3.0800e-003**	**8.1000e-004**	**2.0000e-005**	**8.3000e-004**	**0.0000**	**2.4685**	**2.4685**	**6.0000e-005**	**6.0000e-005**	**2.4890**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.8 Landscaping - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.5800e-003	0.0261	0.0338	6.0000e-005		9.1000e-004	9.1000e-004		8.6000e-004	8.6000e-004	0.0000	4.8018	4.8018	1.3600e-003	0.0000	4.8358
Total	**2.5800e-003**	**0.0261**	**0.0338**	**6.0000e-005**		**9.1000e-004**	**9.1000e-004**		**8.6000e-004**	**8.6000e-004**	**0.0000**	**4.8018**	**4.8018**	**1.3600e-003**	**0.0000**	**4.8358**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9000e-004	7.0000e-004	9.5500e-003	3.0000e-005	3.0600e-003	2.0000e-005	3.0800e-003	8.1000e-004	2.0000e-005	8.3000e-004	0.0000	2.4685	2.4685	6.0000e-005	6.0000e-005	2.4890
Total	**8.9000e-004**	**7.0000e-004**	**9.5500e-003**	**3.0000e-005**	**3.0600e-003**	**2.0000e-005**	**3.0800e-003**	**8.1000e-004**	**2.0000e-005**	**8.3000e-004**	**0.0000**	**2.4685**	**2.4685**	**6.0000e-005**	**6.0000e-005**	**2.4890**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.8 Landscaping - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.4100e-003	0.0141	0.0189	3.0000e-005		4.7000e-004	4.7000e-004		4.5000e-004	4.5000e-004	0.0000	2.6810	2.6810	7.6000e-004	0.0000	2.7000
Total	**1.4100e-003**	**0.0141**	**0.0189**	**3.0000e-005**		**4.7000e-004**	**4.7000e-004**		**4.5000e-004**	**4.5000e-004**	**0.0000**	**2.6810**	**2.6810**	**7.6000e-004**	**0.0000**	**2.7000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.6000e-004	3.5000e-004	4.9600e-003	1.0000e-005	1.7100e-003	1.0000e-005	1.7200e-003	4.5000e-004	1.0000e-005	4.6000e-004	0.0000	1.3495	1.3495	3.0000e-005	3.0000e-005	1.3601
Total	**4.6000e-004**	**3.5000e-004**	**4.9600e-003**	**1.0000e-005**	**1.7100e-003**	**1.0000e-005**	**1.7200e-003**	**4.5000e-004**	**1.0000e-005**	**4.6000e-004**	**0.0000**	**1.3495**	**1.3495**	**3.0000e-005**	**3.0000e-005**	**1.3601**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.8 Landscaping - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.4100e-003	0.0141	0.0189	3.0000e-005		4.7000e-004	4.7000e-004		4.5000e-004	4.5000e-004	0.0000	2.6810	2.6810	7.6000e-004	0.0000	2.7000
Total	**1.4100e-003**	**0.0141**	**0.0189**	**3.0000e-005**		**4.7000e-004**	**4.7000e-004**		**4.5000e-004**	**4.5000e-004**	**0.0000**	**2.6810**	**2.6810**	**7.6000e-004**	**0.0000**	**2.7000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.6000e-004	3.5000e-004	4.9600e-003	1.0000e-005	1.7100e-003	1.0000e-005	1.7200e-003	4.5000e-004	1.0000e-005	4.6000e-004	0.0000	1.3495	1.3495	3.0000e-005	3.0000e-005	1.3601
Total	**4.6000e-004**	**3.5000e-004**	**4.9600e-003**	**1.0000e-005**	**1.7100e-003**	**1.0000e-005**	**1.7200e-003**	**4.5000e-004**	**1.0000e-005**	**4.6000e-004**	**0.0000**	**1.3495**	**1.3495**	**3.0000e-005**	**3.0000e-005**	**1.3601**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.9 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0226	0.2046	0.2972	4.5000e-004		0.0100	0.0100		9.3400e-003	9.3400e-003	0.0000	39.5967	39.5967	0.0115	0.0000	39.8839
Paving	2.6000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0228**	**0.2046**	**0.2972**	**4.5000e-004**		**0.0100**	**0.0100**		**9.3400e-003**	**9.3400e-003**	**0.0000**	**39.5967**	**39.5967**	**0.0115**	**0.0000**	**39.8839**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1200e-003	8.5000e-004	0.0121	4.0000e-005	4.1600e-003	2.0000e-005	4.1800e-003	1.1000e-003	2.0000e-005	1.1300e-003	0.0000	3.2828	3.2828	8.0000e-005	8.0000e-005	3.3087
Total	**1.1200e-003**	**8.5000e-004**	**0.0121**	**4.0000e-005**	**4.1600e-003**	**2.0000e-005**	**4.1800e-003**	**1.1000e-003**	**2.0000e-005**	**1.1300e-003**	**0.0000**	**3.2828**	**3.2828**	**8.0000e-005**	**8.0000e-005**	**3.3087**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.9 Paving - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0226	0.2046	0.2972	4.5000e-004		0.0100	0.0100		9.3400e-003	9.3400e-003	0.0000	39.5967	39.5967	0.0115	0.0000	39.8838
Paving	2.6000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0228**	**0.2046**	**0.2972**	**4.5000e-004**		**0.0100**	**0.0100**		**9.3400e-003**	**9.3400e-003**	**0.0000**	**39.5967**	**39.5967**	**0.0115**	**0.0000**	**39.8838**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1200e-003	8.5000e-004	0.0121	4.0000e-005	4.1600e-003	2.0000e-005	4.1800e-003	1.1000e-003	2.0000e-005	1.1300e-003	0.0000	3.2828	3.2828	8.0000e-005	8.0000e-005	3.3087
Total	**1.1200e-003**	**8.5000e-004**	**0.0121**	**4.0000e-005**	**4.1600e-003**	**2.0000e-005**	**4.1800e-003**	**1.1000e-003**	**2.0000e-005**	**1.1300e-003**	**0.0000**	**3.2828**	**3.2828**	**8.0000e-005**	**8.0000e-005**	**3.3087**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2000	0.2186	1.9778	4.1800e-003	0.4410	3.1100e-003	0.4442	0.1177	2.8900e-003	0.1206	0.0000	393.5968	393.5968	0.0279	0.0174	399.4829
Unmitigated	0.2000	0.2186	1.9778	4.1800e-003	0.4410	3.1100e-003	0.4442	0.1177	2.8900e-003	0.1206	0.0000	393.5968	393.5968	0.0279	0.0174	399.4829

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
General Office Building	23.57	5.35	1.69	57,478	57,478
High Turnover (Sit Down Restaurant)	173.88	189.72	221.09	249,244	249,244
Parking Lot	0.00	0.00	0.00		
Strip Mall	31.02	29.43	14.30	54,047	54,047
Unrefrigerated Warehouse-No Rail	189.73	189.73	189.73	813,127	813,127
Total	418.20	414.23	426.82	1,173,896	1,173,896

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
General Office Building	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
High Turnover (Sit Down Restaurant)	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Parking Lot	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Strip Mall	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Unrefrigerated Warehouse-No Rail	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	50.4983	50.4983	7.9300e-003	9.6000e-004	50.9831
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	50.4983	50.4983	7.9300e-003	9.6000e-004	50.9831
NaturalGas Mitigated	2.5700e-003	0.0234	0.0196	1.4000e-004		1.7800e-003	1.7800e-003		1.7800e-003	1.7800e-003	0.0000	25.4507	25.4507	4.9000e-004	4.7000e-004	25.6019
NaturalGas Unmitigated	2.5700e-003	0.0234	0.0196	1.4000e-004		1.7800e-003	1.7800e-003		1.7800e-003	1.7800e-003	0.0000	25.4507	25.4507	4.9000e-004	4.7000e-004	25.6019

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	25001.8	1.3000e-004	1.2300e-003	1.0300e-003	1.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	1.3342	1.3342	3.0000e-005	2.0000e-005	1.3421
High Turnover (Sit Down Restaurant)	357012	1.9300e-003	0.0175	0.0147	1.1000e-004		1.3300e-003	1.3300e-003		1.3300e-003	1.3300e-003	0.0000	19.0515	19.0515	3.7000e-004	3.5000e-004	19.1647
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	1141	1.0000e-005	6.0000e-005	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0609	0.0609	0.0000	0.0000	0.0613
Unrefrigerated Warehouse-No Rail	93773.5	5.1000e-004	4.6000e-003	3.8600e-003	3.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	5.0041	5.0041	1.0000e-004	9.0000e-005	5.0339
Total		**2.5800e-003**	**0.0234**	**0.0196**	**1.5000e-004**		**1.7700e-003**	**1.7700e-003**		**1.7700e-003**	**1.7700e-003**	**0.0000**	**25.4507**	**25.4507**	**5.0000e-004**	**4.6000e-004**	**25.6019**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	25001.8	1.3000e-004	1.2300e-003	1.0300e-003	1.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	1.3342	1.3342	3.0000e-005	2.0000e-005	1.3421
High Turnover (Sit Down Restaurant)	357012	1.9300e-003	0.0175	0.0147	1.1000e-004		1.3300e-003	1.3300e-003		1.3300e-003	1.3300e-003	0.0000	19.0515	19.0515	3.7000e-004	3.5000e-004	19.1647
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	1141	1.0000e-005	6.0000e-005	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0609	0.0609	0.0000	0.0000	0.0613
Unrefrigerated Warehouse-No Rail	93773.5	5.1000e-004	4.6000e-003	3.8600e-003	3.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	5.0041	5.0041	1.0000e-004	9.0000e-005	5.0339
Total		**2.5800e-003**	**0.0234**	**0.0196**	**1.5000e-004**		**1.7700e-003**	**1.7700e-003**		**1.7700e-003**	**1.7700e-003**	**0.0000**	**25.4507**	**25.4507**	**5.0000e-004**	**4.6000e-004**	**25.6019**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	30312.5	2.8888	4.5000e-004	5.0000e-005	2.9165
High Turnover (Sit Down Restaurant)	67068.5	6.3916	1.0000e-003	1.2000e-004	6.4530
Parking Lot	5740	0.5470	9.0000e-005	1.0000e-005	0.5523
Strip Mall	9149	0.8719	1.4000e-004	2.0000e-005	0.8803
Unrefrigerated Warehouse-No Rail	417619	39.7990	6.2500e-003	7.6000e-004	40.1811
Total		**50.4983**	**7.9300e-003**	**9.6000e-004**	**50.9831**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	30312.5	2.8888	4.5000e-004	5.0000e-005	2.9165
High Turnover (Sit Down Restaurant)	67068.5	6.3916	1.0000e-003	1.2000e-004	6.4530
Parking Lot	5740	0.5470	9.0000e-005	1.0000e-005	0.5523
Strip Mall	9149	0.8719	1.4000e-004	2.0000e-005	0.8803
Unrefrigerated Warehouse-No Rail	417619	39.7990	6.2500e-003	7.6000e-004	40.1811
Total		**50.4983**	**7.9300e-003**	**9.6000e-004**	**50.9831**

6.0 Area Detail

6.1 Mitigation Measures Area

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.4653	2.0000e-005	1.9800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.8500e-003	3.8500e-003	1.0000e-005	0.0000	4.1000e-003
Unmitigated	0.4653	2.0000e-005	1.9800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.8500e-003	3.8500e-003	1.0000e-005	0.0000	4.1000e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0529					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4122					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.8000e-004	2.0000e-005	1.9800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.8500e-003	3.8500e-003	1.0000e-005	0.0000	4.1000e-003
Total	**0.4653**	**2.0000e-005**	**1.9800e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**3.8500e-003**	**3.8500e-003**	**1.0000e-005**	**0.0000**	**4.1000e-003**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0529					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4122					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.8000e-004	2.0000e-005	1.9800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.8500e-003	3.8500e-003	1.0000e-005	0.0000	4.1000e-003
Total	**0.4653**	**2.0000e-005**	**1.9800e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**3.8500e-003**	**3.8500e-003**	**1.0000e-005**	**0.0000**	**4.1000e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	41.7868	0.8579	0.0208	69.4252
Unmitigated	41.7868	0.8579	0.0208	69.4252

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0.631485	0.6686	1.1000e-004	1.0000e-005	0.6750
General Office Building	0.430116 / 0.263619	0.9493	0.0141	3.5000e-004	1.4061
High Turnover (Sit Down Restaurant)	0.470477 / 0.0300305	0.7649	0.0154	3.7000e-004	1.2619
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.0518508 / 0.0317795	0.1144	1.7000e-003	4.0000e-005	0.1695
Unrefrigerated Warehouse-No Rail	25.2155 / 0	39.2896	0.8266	0.0200	65.9126
Total		**41.7868**	**0.8579**	**0.0208**	**69.4252**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0.631485	0.6686	1.1000e-004	1.0000e-005	0.6750
General Office Building	0.430116 / 0.263619	0.9493	0.0141	3.5000e-004	1.4061
High Turnover (Sit Down Restaurant)	0.470477 / 0.0300305	0.7649	0.0154	3.7000e-004	1.2619
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.0518508 / 0.0317795	0.1144	1.7000e-003	4.0000e-005	0.1695
Unrefrigerated Warehouse-No Rail	25.2155 / 0	39.2896	0.8266	0.0200	65.9126
Total		**41.7868**	**0.8579**	**0.0208**	**69.4252**

8.0 Waste Detail

8.1 Mitigation Measures Waste

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	25.1689	1.4874	0.0000	62.3548
Unmitigated	25.1689	1.4874	0.0000	62.3548

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.05	0.0102	6.0000e-004	0.0000	0.0252
General Office Building	2.25	0.4567	0.0270	0.0000	1.1315
High Turnover (Sit Down Restaurant)	18.45	3.7452	0.2213	0.0000	9.2785
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.74	0.1502	8.8800e-003	0.0000	0.3722
Unrefrigerated Warehouse-No Rail	102.5	20.8066	1.2296	0.0000	51.5474
Total		**25.1688**	**1.4874**	**0.0000**	**62.3548**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.05	0.0102	6.0000e-004	0.0000	0.0252
General Office Building	2.25	0.4567	0.0270	0.0000	1.1315
High Turnover (Sit Down Restaurant)	18.45	3.7452	0.2213	0.0000	9.2785
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.74	0.1502	8.8800e-003	0.0000	0.3722
Unrefrigerated Warehouse-No Rail	102.5	20.8066	1.2296	0.0000	51.5474
Total		**25.1688**	**1.4874**	**0.0000**	**62.3548**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

21611 South Perry Street

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	2.42	1000sqft	0.20	2,425.00	0
Unrefrigerated Warehouse-No Rail	109.04	1000sqft	0.50	109,039.00	0
Parking Lot	41.00	Space	0.20	16,400.00	0
City Park	0.53	Acre	1.50	22,999.68	0
High Turnover (Sit Down Restaurant)	1.55	1000sqft	0.20	1,550.00	0
Strip Mall	0.70	1000sqft	0.20	700.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	210.1	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Updated CO2e

Land Use - See Construction Assumptions

Construction Phase - See Construction Assumptions

Off-road Equipment - See Construction Assumptions

Off-road Equipment - See Construction Assumptions

Off-road Equipment - See Construction Assumptions

Off-road Equipment - See Construction Assumptions

21611 South Perry Street - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Off-road Equipment - See Construction Assumptions

Off-road Equipment - See Construction Assumptions

Off-road Equipment - See Construction Assumptions

Off-road Equipment - See Construction Assumptions

Trips and VMT -

Grading -

Architectural Coating - Landscaping has no VOCs

Vehicle Trips - no VMT for City Park

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	56,857.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	170,571.00	0.00
tblArchitecturalCoating	ConstArea_Parking	984.00	0.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	0.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	0.00
tblArchitecturalCoating	EF_Parking	100.00	0.00
tblArchitecturalCoating	EF_Residential_Exterior	50.00	0.00
tblArchitecturalCoating	EF_Residential_Interior	50.00	0.00
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	10.00	67.00
tblConstructionPhase	NumDays	10.00	67.00
tblConstructionPhase	NumDays	220.00	176.00
tblConstructionPhase	NumDays	6.00	21.00
tblConstructionPhase	NumDays	10.00	23.00
tblConstructionPhase	NumDays	3.00	23.00
tblLandUse	LandUseSquareFeet	2,420.00	2,425.00
tblLandUse	LandUseSquareFeet	109,040.00	109,039.00
tblLandUse	LandUseSquareFeet	23,086.80	22,999.68

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblLandUse	LotAcreage	0.06	0.20
tblLandUse	LotAcreage	2.50	0.50
tblLandUse	LotAcreage	0.37	0.20
tblLandUse	LotAcreage	0.53	1.50
tblLandUse	LotAcreage	0.04	0.20
tblLandUse	LotAcreage	0.02	0.20
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblProjectCharacteristics	CO2IntensityFactor	390.98	210.1
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	WD_TR	0.78	0.00

2.0 Emissions Summary

21611 South Perry Street - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	19.8047	71.3960	70.5000	0.1446	5.5547	3.0838	8.6385	0.7228	2.8934	3.6162	0.0000	13,901.6340	13,901.6340	3.4341	0.0932	13,992.3002
2024	21.6740	49.9701	71.8829	0.1271	1.5350	2.2047	3.7397	0.4107	2.0988	2.5095	0.0000	12,237.1705	12,237.1705	2.2995	0.0974	12,323.6770
Maximum	**21.6740**	**71.3960**	**71.8829**	**0.1446**	**5.5547**	**3.0838**	**8.6385**	**0.7228**	**2.8934**	**3.6162**	**0.0000**	**13,901.6340**	**13,901.6340**	**3.4341**	**0.0974**	**13,992.3002**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	19.8047	71.3960	70.5000	0.1446	2.6436	3.0838	5.7274	0.4085	2.8934	3.3018	0.0000	13,901.6340	13,901.6340	3.4341	0.0932	13,992.3002
2024	21.6740	49.9701	71.8829	0.1271	1.5350	2.2047	3.7397	0.4107	2.0988	2.5095	0.0000	12,237.1705	12,237.1705	2.2995	0.0974	12,323.6770
Maximum	**21.6740**	**71.3960**	**71.8829**	**0.1446**	**2.6436**	**3.0838**	**5.7274**	**0.4107**	**2.8934**	**3.3018**	**0.0000**	**13,901.6340**	**13,901.6340**	**3.4341**	**0.0974**	**13,992.3002**

21611 South Perry Street - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**41.06**	**0.00**	**23.52**	**27.73**	**0.00**	**5.13**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.5500	1.4000e-004	0.0158	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0340	0.0340	9.0000e-005		0.0362
Energy	0.0141	0.1281	0.1076	7.7000e-004		9.7400e-003	9.7400e-003		9.7400e-003	9.7400e-003		153.7237	153.7237	2.9500e-003	2.8200e-003	154.6372
Mobile	1.2434	1.1807	11.7504	0.0253	2.6304	0.0183	2.6487	0.7007	0.0170	0.7176		2,624.1440	2,624.1440	0.1769	0.1080	2,660.7478
Total	**3.8076**	**1.3089**	**11.8738**	**0.0261**	**2.6304**	**0.0281**	**2.6585**	**0.7007**	**0.0268**	**0.7274**		**2,777.9017**	**2,777.9017**	**0.1800**	**0.1108**	**2,815.4212**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.5500	1.4000e-004	0.0158	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0340	0.0340	9.0000e-005		0.0362
Energy	0.0141	0.1281	0.1076	7.7000e-004		9.7400e-003	9.7400e-003		9.7400e-003	9.7400e-003		153.7237	153.7237	2.9500e-003	2.8200e-003	154.6372
Mobile	1.2434	1.1807	11.7504	0.0253	2.6304	0.0183	2.6487	0.7007	0.0170	0.7176		2,624.1440	2,624.1440	0.1769	0.1080	2,660.7478
Total	**3.8076**	**1.3089**	**11.8738**	**0.0261**	**2.6304**	**0.0281**	**2.6585**	**0.7007**	**0.0268**	**0.7274**		**2,777.9017**	**2,777.9017**	**0.1800**	**0.1108**	**2,815.4212**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demo & Site Preparation	Site Preparation	1/1/2023	2/1/2023	5	23	
2	Grading/Excavation	Grading	2/1/2023	3/1/2023	5	21	
3	Drainage/Utilities/Trenching	Trenching	3/1/2023	5/1/2023	5	44	
4	Foundations/Concrete Pour	Trenching	5/1/2023	6/1/2023	5	24	
5	Building Construction	Building Construction	6/1/2023	2/1/2024	5	176	
6	Architectural Coating	Architectural Coating	11/1/2023	2/1/2024	5	67	
7	Landscaping	Architectural Coating	11/1/2023	2/1/2024	5	67	
8	Paving	Paving	1/1/2024	1/31/2024	5	23	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 94.5

Acres of Paving: 0.2

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 170,571; Non-Residential Outdoor: 56,857; Striped Parking Area: 984 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demo & Site Preparation	Air Compressors	2	8.00	78	0.48
Demo & Site Preparation	Dumpers/Tenders	2	8.00	16	0.38
Demo & Site Preparation	Excavators	1	8.00	158	0.38

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Demo & Site Preparation	Generator Sets	1	8.00	84	0.74
Demo & Site Preparation	Skid Steer Loaders	1	8.00	65	0.37
Demo & Site Preparation	Sweepers/Scrubbers	1	8.00	64	0.46
Demo & Site Preparation	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading/Excavation	Concrete/Industrial Saws	1	8.00	81	0.73
Grading/Excavation	Crawler Tractors	2	8.00	212	0.43
Grading/Excavation	Dumpers/Tenders	2	8.00	16	0.38
Grading/Excavation	Excavators	1	8.00	158	0.38
Grading/Excavation	Graders	1	8.00	187	0.41
Grading/Excavation	Plate Compactors	1	8.00	8	0.43
Grading/Excavation	Rollers	1	8.00	80	0.38
Grading/Excavation	Scrapers	3	8.00	367	0.48
Grading/Excavation	Sweepers/Scrubbers	1	8.00	64	0.46
Grading/Excavation	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Drainage/Utilities/Trenching	Air Compressors	1	8.00	78	0.48
Drainage/Utilities/Trenching	Dumpers/Tenders	2	8.00	16	0.38
Drainage/Utilities/Trenching	Excavators	1	8.00	158	0.38
Drainage/Utilities/Trenching	Generator Sets	2	8.00	84	0.74
Drainage/Utilities/Trenching	Plate Compactors	1	8.00	8	0.43
Drainage/Utilities/Trenching	Pumps	1	8.00	84	0.74
Drainage/Utilities/Trenching	Rough Terrain Forklifts	1	8.00	100	0.40
Drainage/Utilities/Trenching	Sweepers/Scrubbers	1	8.00	64	0.46
Drainage/Utilities/Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Foundations/Concrete Pour	Air Compressors	1	8.00	78	0.48
Foundations/Concrete Pour	Concrete/Industrial Saws	1	8.00	81	0.73
Foundations/Concrete Pour	Dumpers/Tenders	2	8.00	16	0.38
Foundations/Concrete Pour	Plate Compactors	1	8.00	8	0.43
Foundations/Concrete Pour	Pumps	1	8.00	84	0.74
Foundations/Concrete Pour	Rough Terrain Forklifts	1	8.00	100	0.40

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Foundations/Concrete Pour	Skid Steer Loaders	1	8.00	65	0.37
Foundations/Concrete Pour	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Air Compressors	2	8.00	78	0.48
Building Construction	Cement and Mortar Mixers	2	8.00	9	0.56
Building Construction	Concrete/Industrial Saws	2	8.00	81	0.73
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Dumpers/Tenders	2	8.00	16	0.38
Building Construction	Forklifts	4	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Pumps	1	8.00	84	0.74
Building Construction	Rough Terrain Forklifts	4	8.00	100	0.40
Architectural Coating	Air Compressors	1	6.00	78	0.48
Architectural Coating	Cement and Mortar Mixers	1	8.00	9	0.56
Architectural Coating	Rough Terrain Forklifts	1	8.00	100	0.40
Landscaping	Dumpers/Tenders	1	6.00	16	0.38
Landscaping	Skid Steer Loaders	1	8.00	65	0.37
Paving	Air Compressors	1	8.00	78	0.48
Paving	Dumpers/Tenders	2	8.00	16	0.38
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	3	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Sweepers/Scrubbers	1	8.00	64	0.46
Paving	Tractors/Loaders/Backhoes	3	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demo & Site Preparation	11	28.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Grading/Excavation	16	40.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Drainage/Utilities/Trenching	12	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Foundations/Concrete Pour	11	28.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	19	64.00	25.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	3	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Landscaping	2	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	13	33.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demo & Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.7970	15.2696	21.4196	0.0340		0.7647	0.7647		0.7317	0.7317		3,233.8499	3,233.8499	0.6476		3,250.0406
Total	**1.7970**	**15.2696**	**21.4196**	**0.0340**	**0.0000**	**0.7647**	**0.7647**	**0.0000**	**0.7317**	**0.7317**		**3,233.8499**	**3,233.8499**	**0.6476**		**3,250.0406**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demo & Site Preparation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0897	0.0625	1.0146	2.7700e-003	0.3130	1.8900e-003	0.3149	0.0830	1.7400e-003	0.0847		283.5316	283.5316	7.0600e-003	6.4600e-003	285.6338
Total	**0.0897**	**0.0625**	**1.0146**	**2.7700e-003**	**0.3130**	**1.8900e-003**	**0.3149**	**0.0830**	**1.7400e-003**	**0.0847**		**283.5316**	**283.5316**	**7.0600e-003**	**6.4600e-003**	**285.6338**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.7970	15.2696	21.4196	0.0340		0.7647	0.7647		0.7317	0.7317	0.0000	3,233.8499	3,233.8499	0.6476		3,250.0406
Total	**1.7970**	**15.2696**	**21.4196**	**0.0340**	**0.0000**	**0.7647**	**0.7647**	**0.0000**	**0.7317**	**0.7317**	**0.0000**	**3,233.8499**	**3,233.8499**	**0.6476**		**3,250.0406**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demo & Site Preparation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0897	0.0625	1.0146	2.7700e-003	0.3130	1.8900e-003	0.3149	0.0830	1.7400e-003	0.0847		283.5316	283.5316	7.0600e-003	6.4600e-003	285.6338
Total	**0.0897**	**0.0625**	**1.0146**	**2.7700e-003**	**0.3130**	**1.8900e-003**	**0.3149**	**0.0830**	**1.7400e-003**	**0.0847**		**283.5316**	**283.5316**	**7.0600e-003**	**6.4600e-003**	**285.6338**

3.3 Grading/Excavation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.7723	0.0000	4.7723	0.5153	0.0000	0.5153			0.0000			0.0000
Off-Road	5.0746	52.4128	41.8462	0.0946		2.1676	2.1676		2.0080	2.0080		9,108.8387	9,108.8387	2.7496		9,177.5786
Total	**5.0746**	**52.4128**	**41.8462**	**0.0946**	**4.7723**	**2.1676**	**6.9398**	**0.5153**	**2.0080**	**2.5233**		**9,108.8387**	**9,108.8387**	**2.7496**		**9,177.5786**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading/Excavation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1281	0.0893	1.4495	3.9600e-003	0.4471	2.7000e-003	0.4498	0.1186	2.4800e-003	0.1211		405.0451	405.0451	0.0101	9.2300e-003	408.0483
Total	**0.1281**	**0.0893**	**1.4495**	**3.9600e-003**	**0.4471**	**2.7000e-003**	**0.4498**	**0.1186**	**2.4800e-003**	**0.1211**		**405.0451**	**405.0451**	**0.0101**	**9.2300e-003**	**408.0483**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.8612	0.0000	1.8612	0.2010	0.0000	0.2010			0.0000			0.0000
Off-Road	5.0746	52.4128	41.8462	0.0946		2.1676	2.1676		2.0080	2.0080	0.0000	9,108.8387	9,108.8387	2.7496		9,177.5786
Total	**5.0746**	**52.4128**	**41.8462**	**0.0946**	**1.8612**	**2.1676**	**4.0288**	**0.2010**	**2.0080**	**2.2090**	**0.0000**	**9,108.8387**	**9,108.8387**	**2.7496**		**9,177.5786**

3.3 Grading/Excavation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1281	0.0893	1.4495	3.9600e-003	0.4471	2.7000e-003	0.4498	0.1186	2.4800e-003	0.1211		405.0451	405.0451	0.0101	9.2300e-003	408.0483
Total	**0.1281**	**0.0893**	**1.4495**	**3.9600e-003**	**0.4471**	**2.7000e-003**	**0.4498**	**0.1186**	**2.4800e-003**	**0.1211**		**405.0451**	**405.0451**	**0.0101**	**9.2300e-003**	**408.0483**

3.4 Drainage/Utilities/Trenching - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1613	18.8269	26.1172	0.0431		0.9115	0.9115		0.8810	0.8810		4,083.9663	4,083.9663	0.6668		4,100.6369
Total	**2.1613**	**18.8269**	**26.1172**	**0.0431**		**0.9115**	**0.9115**		**0.8810**	**0.8810**		**4,083.9663**	**4,083.9663**	**0.6668**		**4,100.6369**

3.4 Drainage/Utilities/Trenching - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0961	0.0670	1.0871	2.9700e-003	0.3353	2.0200e-003	0.3374	0.0889	1.8600e-003	0.0908		303.7838	303.7838	7.5600e-003	6.9200e-003	306.0363
Total	**0.0961**	**0.0670**	**1.0871**	**2.9700e-003**	**0.3353**	**2.0200e-003**	**0.3374**	**0.0889**	**1.8600e-003**	**0.0908**		**303.7838**	**303.7838**	**7.5600e-003**	**6.9200e-003**	**306.0363**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1613	18.8269	26.1172	0.0431		0.9115	0.9115		0.8810	0.8810	0.0000	4,083.9663	4,083.9663	0.6668		4,100.6369
Total	**2.1613**	**18.8269**	**26.1172**	**0.0431**		**0.9115**	**0.9115**		**0.8810**	**0.8810**	**0.0000**	**4,083.9663**	**4,083.9663**	**0.6668**		**4,100.6369**

3.4 Drainage/Utilities/Trenching - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0961	0.0670	1.0871	2.9700e-003	0.3353	2.0200e-003	0.3374	0.0889	1.8600e-003	0.0908		303.7838	303.7838	7.5600e-003	6.9200e-003	306.0363
Total	**0.0961**	**0.0670**	**1.0871**	**2.9700e-003**	**0.3353**	**2.0200e-003**	**0.3374**	**0.0889**	**1.8600e-003**	**0.0908**		**303.7838**	**303.7838**	**7.5600e-003**	**6.9200e-003**	**306.0363**

3.5 Foundations/Concrete Pour - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7290	15.1259	20.8762	0.0337		0.7037	0.7037		0.6796	0.6796		3,186.3435	3,186.3435	0.5622		3,200.3992
Total	**1.7290**	**15.1259**	**20.8762**	**0.0337**		**0.7037**	**0.7037**		**0.6796**	**0.6796**		**3,186.3435**	**3,186.3435**	**0.5622**		**3,200.3992**

3.5 Foundations/Concrete Pour - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0897	0.0625	1.0146	2.7700e-003	0.3130	1.8900e-003	0.3149	0.0830	1.7400e-003	0.0847		283.5316	283.5316	7.0600e-003	6.4600e-003	285.6338
Total	**0.0897**	**0.0625**	**1.0146**	**2.7700e-003**	**0.3130**	**1.8900e-003**	**0.3149**	**0.0830**	**1.7400e-003**	**0.0847**		**283.5316**	**283.5316**	**7.0600e-003**	**6.4600e-003**	**285.6338**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7290	15.1259	20.8762	0.0337		0.7037	0.7037		0.6796	0.6796	0.0000	3,186.3435	3,186.3435	0.5622		3,200.3992
Total	**1.7290**	**15.1259**	**20.8762**	**0.0337**		**0.7037**	**0.7037**		**0.6796**	**0.6796**	**0.0000**	**3,186.3435**	**3,186.3435**	**0.5622**		**3,200.3992**

3.5 Foundations/Concrete Pour - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0897	0.0625	1.0146	2.7700e-003	0.3130	1.8900e-003	0.3149	0.0830	1.7400e-003	0.0847		283.5316	283.5316	7.0600e-003	6.4600e-003	285.6338
Total	**0.0897**	**0.0625**	**1.0146**	**2.7700e-003**	**0.3130**	**1.8900e-003**	**0.3149**	**0.0830**	**1.7400e-003**	**0.0847**		**283.5316**	**283.5316**	**7.0600e-003**	**6.4600e-003**	**285.6338**

3.6 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.2100	28.5489	35.6477	0.0614		1.3186	1.3186		1.2748	1.2748		5,816.9829	5,816.9829	0.9629		5,841.0559
Total	**3.2100**	**28.5489**	**35.6477**	**0.0614**		**1.3186**	**1.3186**		**1.2748**	**1.2748**		**5,816.9829**	**5,816.9829**	**0.9629**		**5,841.0559**

3.6 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0288	0.9596	0.3718	4.6500e-003	0.1601	4.8200e-003	0.1650	0.0461	4.6100e-003	0.0507		500.7062	500.7062	0.0168	0.0720	522.5778
Worker	0.2049	0.1429	2.3192	6.3300e-003	0.7154	4.3200e-003	0.7197	0.1897	3.9700e-003	0.1937		648.0722	648.0722	0.0161	0.0148	652.8774
Total	**0.2337**	**1.1025**	**2.6909**	**0.0110**	**0.8755**	**9.1400e-003**	**0.8847**	**0.2358**	**8.5800e-003**	**0.2444**		**1,148.7784**	**1,148.7784**	**0.0329**	**0.0868**	**1,175.4551**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.2100	28.5489	35.6477	0.0614		1.3186	1.3186		1.2748	1.2748	0.0000	5,816.9829	5,816.9829	0.9629		5,841.0559
Total	**3.2100**	**28.5489**	**35.6477**	**0.0614**		**1.3186**	**1.3186**		**1.2748**	**1.2748**	**0.0000**	**5,816.9829**	**5,816.9829**	**0.9629**		**5,841.0559**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0288	0.9596	0.3718	4.6500e-003	0.1601	4.8200e-003	0.1650	0.0461	4.6100e-003	0.0507		500.7062	500.7062	0.0168	0.0720	522.5778
Worker	0.2049	0.1429	2.3192	6.3300e-003	0.7154	4.3200e-003	0.7197	0.1897	3.9700e-003	0.1937		648.0722	648.0722	0.0161	0.0148	652.8774
Total	**0.2337**	**1.1025**	**2.6909**	**0.0110**	**0.8755**	**9.1400e-003**	**0.8847**	**0.2358**	**8.5800e-003**	**0.2444**		**1,148.7784**	**1,148.7784**	**0.0329**	**0.0868**	**1,175.4551**

3.6 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0341	26.8647	35.5479	0.0614		1.1636	1.1636		1.1245	1.1245		5,816.6999	5,816.6999	0.9548		5,840.5703
Total	**3.0341**	**26.8647**	**35.5479**	**0.0614**		**1.1636**	**1.1636**		**1.1245**	**1.1245**		**5,816.6999**	**5,816.6999**	**0.9548**		**5,840.5703**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0279	0.9615	0.3638	4.5800e-003	0.1601	4.8600e-003	0.1650	0.0461	4.6400e-003	0.0508		493.1865	493.1865	0.0168	0.0710	514.7600
Worker	0.1910	0.1276	2.1587	6.1500e-003	0.7154	4.1400e-003	0.7195	0.1897	3.8100e-003	0.1935		634.7129	634.7129	0.0146	0.0137	639.1714
Total	**0.2189**	**1.0891**	**2.5226**	**0.0107**	**0.8755**	**9.0000e-003**	**0.8845**	**0.2358**	**8.4500e-003**	**0.2443**		**1,127.8995**	**1,127.8995**	**0.0314**	**0.0847**	**1,153.9314**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0341	26.8647	35.5479	0.0614		1.1636	1.1636		1.1245	1.1245	0.0000	5,816.6999	5,816.6999	0.9548		5,840.5703
Total	**3.0341**	**26.8647**	**35.5479**	**0.0614**		**1.1636**	**1.1636**		**1.1245**	**1.1245**	**0.0000**	**5,816.6999**	**5,816.6999**	**0.9548**		**5,840.5703**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0279	0.9615	0.3638	4.5800e-003	0.1601	4.8600e-003	0.1650	0.0461	4.6400e-003	0.0508		493.1865	493.1865	0.0168	0.0710	514.7600
Worker	0.1910	0.1276	2.1587	6.1500e-003	0.7154	4.1400e-003	0.7195	0.1897	3.8100e-003	0.1935		634.7129	634.7129	0.0146	0.0137	639.1714
Total	**0.2189**	**1.0891**	**2.5226**	**0.0107**	**0.8755**	**9.0000e-003**	**0.8845**	**0.2358**	**8.4500e-003**	**0.2443**		**1,127.8995**	**1,127.8995**	**0.0314**	**0.0847**	**1,153.9314**

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.8013					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3562	3.0706	4.4068	7.1300e-003		0.1301	0.1301		0.1265	0.1265		665.7678	665.7678	0.1300		669.0189
Total	**16.1575**	**3.0706**	**4.4068**	**7.1300e-003**		**0.1301**	**0.1301**		**0.1265**	**0.1265**		**665.7678**	**665.7678**	**0.1300**		**669.0189**

3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0416	0.0290	0.4711	1.2900e-003	0.1453	8.8000e-004	0.1462	0.0385	8.1000e-004	0.0393		131.6397	131.6397	3.2800e-003	3.0000e-003	132.6157
Total	**0.0416**	**0.0290**	**0.4711**	**1.2900e-003**	**0.1453**	**8.8000e-004**	**0.1462**	**0.0385**	**8.1000e-004**	**0.0393**		**131.6397**	**131.6397**	**3.2800e-003**	**3.0000e-003**	**132.6157**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.8013					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3562	3.0706	4.4068	7.1300e-003		0.1301	0.1301		0.1265	0.1265	0.0000	665.7678	665.7678	0.1300		669.0189
Total	**16.1575**	**3.0706**	**4.4068**	**7.1300e-003**		**0.1301**	**0.1301**		**0.1265**	**0.1265**	**0.0000**	**665.7678**	**665.7678**	**0.1300**		**669.0189**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0416	0.0290	0.4711	1.2900e-003	0.1453	8.8000e-004	0.1462	0.0385	8.1000e-004	0.0393		131.6397	131.6397	3.2800e-003	3.0000e-003	132.6157
Total	**0.0416**	**0.0290**	**0.4711**	**1.2900e-003**	**0.1453**	**8.8000e-004**	**0.1462**	**0.0385**	**8.1000e-004**	**0.0393**		**131.6397**	**131.6397**	**3.2800e-003**	**3.0000e-003**	**132.6157**

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.8013					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3419	2.9372	4.4075	7.1300e-003		0.1164	0.1164		0.1131	0.1131		665.7006	665.7006	0.1290		668.9263
Total	**16.1433**	**2.9372**	**4.4075**	**7.1300e-003**		**0.1164**	**0.1164**		**0.1131**	**0.1131**		**665.7006**	**665.7006**	**0.1290**		**668.9263**

3.7 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0388	0.0259	0.4385	1.2500e-003	0.1453	8.4000e-004	0.1462	0.0385	7.7000e-004	0.0393		128.9261	128.9261	2.9700e-003	2.7900e-003	129.8317
Total	**0.0388**	**0.0259**	**0.4385**	**1.2500e-003**	**0.1453**	**8.4000e-004**	**0.1462**	**0.0385**	**7.7000e-004**	**0.0393**		**128.9261**	**128.9261**	**2.9700e-003**	**2.7900e-003**	**129.8317**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.8013					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3419	2.9372	4.4075	7.1300e-003		0.1164	0.1164		0.1131	0.1131	0.0000	665.7006	665.7006	0.1290		668.9263
Total	**16.1433**	**2.9372**	**4.4075**	**7.1300e-003**		**0.1164**	**0.1164**		**0.1131**	**0.1131**	**0.0000**	**665.7006**	**665.7006**	**0.1290**		**668.9263**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0388	0.0259	0.4385	1.2500e-003	0.1453	8.4000e-004	0.1462	0.0385	7.7000e-004	0.0393		128.9261	128.9261	2.9700e-003	2.7900e-003	129.8317
Total	**0.0388**	**0.0259**	**0.4385**	**1.2500e-003**	**0.1453**	**8.4000e-004**	**0.1462**	**0.0385**	**7.7000e-004**	**0.0393**		**128.9261**	**128.9261**	**2.9700e-003**	**2.7900e-003**	**129.8317**

3.8 Landscaping - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1202	1.2131	1.5735	2.6300e-003		0.0423	0.0423		0.0399	0.0399		246.1915	246.1915	0.0698		247.9352
Total	**0.1202**	**1.2131**	**1.5735**	**2.6300e-003**		**0.0423**	**0.0423**		**0.0399**	**0.0399**		**246.1915**	**246.1915**	**0.0698**		**247.9352**

3.8 Landscaping - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0416	0.0290	0.4711	1.2900e-003	0.1453	8.8000e-004	0.1462	0.0385	8.1000e-004	0.0393		131.6397	131.6397	3.2800e-003	3.0000e-003	132.6157
Total	**0.0416**	**0.0290**	**0.4711**	**1.2900e-003**	**0.1453**	**8.8000e-004**	**0.1462**	**0.0385**	**8.1000e-004**	**0.0393**		**131.6397**	**131.6397**	**3.2800e-003**	**3.0000e-003**	**132.6157**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1202	1.2131	1.5735	2.6300e-003		0.0423	0.0423		0.0399	0.0399	0.0000	246.1915	246.1915	0.0698		247.9352
Total	**0.1202**	**1.2131**	**1.5735**	**2.6300e-003**		**0.0423**	**0.0423**		**0.0399**	**0.0399**	**0.0000**	**246.1915**	**246.1915**	**0.0698**		**247.9352**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.8 Landscaping - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0416	0.0290	0.4711	1.2900e-003	0.1453	8.8000e-004	0.1462	0.0385	8.1000e-004	0.0393		131.6397	131.6397	3.2800e-003	3.0000e-003	132.6157
Total	**0.0416**	**0.0290**	**0.4711**	**1.2900e-003**	**0.1453**	**8.8000e-004**	**0.1462**	**0.0385**	**8.1000e-004**	**0.0393**		**131.6397**	**131.6397**	**3.2800e-003**	**3.0000e-003**	**132.6157**

3.8 Landscaping - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1174	1.1749	1.5727	2.6400e-003		0.0395	0.0395		0.0374	0.0374		246.2725	246.2725	0.0698		248.0168
Total	**0.1174**	**1.1749**	**1.5727**	**2.6400e-003**		**0.0395**	**0.0395**		**0.0374**	**0.0374**		**246.2725**	**246.2725**	**0.0698**		**248.0168**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.8 Landscaping - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0388	0.0259	0.4385	1.2500e-003	0.1453	8.4000e-004	0.1462	0.0385	7.7000e-004	0.0393		128.9261	128.9261	2.9700e-003	2.7900e-003	129.8317
Total	**0.0388**	**0.0259**	**0.4385**	**1.2500e-003**	**0.1453**	**8.4000e-004**	**0.1462**	**0.0385**	**7.7000e-004**	**0.0393**		**128.9261**	**128.9261**	**2.9700e-003**	**2.7900e-003**	**129.8317**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1174	1.1749	1.5727	2.6400e-003		0.0395	0.0395		0.0374	0.0374	0.0000	246.2725	246.2725	0.0698		248.0168
Total	**0.1174**	**1.1749**	**1.5727**	**2.6400e-003**		**0.0395**	**0.0395**		**0.0374**	**0.0374**	**0.0000**	**246.2725**	**246.2725**	**0.0698**		**248.0168**

3.8 Landscaping - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0388	0.0259	0.4385	1.2500e-003	0.1453	8.4000e-004	0.1462	0.0385	7.7000e-004	0.0393		128.9261	128.9261	2.9700e-003	2.7900e-003	129.8317
Total	**0.0388**	**0.0259**	**0.4385**	**1.2500e-003**	**0.1453**	**8.4000e-004**	**0.1462**	**0.0385**	**7.7000e-004**	**0.0393**		**128.9261**	**128.9261**	**2.9700e-003**	**2.7900e-003**	**129.8317**

3.9 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9614	17.7866	25.8422	0.0395		0.8725	0.8725		0.8119	0.8119		3,795.4720	3,795.4720	1.1010		3,822.9960
Paving	0.0228					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.9842**	**17.7866**	**25.8422**	**0.0395**		**0.8725**	**0.8725**		**0.8119**	**0.8119**		**3,795.4720**	**3,795.4720**	**1.1010**		**3,822.9960**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.9 Paving - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0985	0.0658	1.1131	3.1700e-003	0.3689	2.1300e-003	0.3710	0.0978	1.9700e-003	0.0998		327.2739	327.2739	7.5300e-003	7.0800e-003	329.5728
Total	**0.0985**	**0.0658**	**1.1131**	**3.1700e-003**	**0.3689**	**2.1300e-003**	**0.3710**	**0.0978**	**1.9700e-003**	**0.0998**		**327.2739**	**327.2739**	**7.5300e-003**	**7.0800e-003**	**329.5728**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9614	17.7866	25.8422	0.0395		0.8725	0.8725		0.8119	0.8119	0.0000	3,795.4720	3,795.4720	1.1010		3,822.9960
Paving	0.0228					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.9842**	**17.7866**	**25.8422**	**0.0395**		**0.8725**	**0.8725**		**0.8119**	**0.8119**	**0.0000**	**3,795.4720**	**3,795.4720**	**1.1010**		**3,822.9960**

3.9 Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0985	0.0658	1.1131	3.1700e-003	0.3689	2.1300e-003	0.3710	0.0978	1.9700e-003	0.0998		327.2739	327.2739	7.5300e-003	7.0800e-003	329.5728
Total	**0.0985**	**0.0658**	**1.1131**	**3.1700e-003**	**0.3689**	**2.1300e-003**	**0.3710**	**0.0978**	**1.9700e-003**	**0.0998**		**327.2739**	**327.2739**	**7.5300e-003**	**7.0800e-003**	**329.5728**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

21611 South Perry Street - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2434	1.1807	11.7504	0.0253	2.6304	0.0183	2.6487	0.7007	0.0170	0.7176		2,624.1440	2,624.1440	0.1769	0.1080	2,660.7478
Unmitigated	1.2434	1.1807	11.7504	0.0253	2.6304	0.0183	2.6487	0.7007	0.0170	0.7176		2,624.1440	2,624.1440	0.1769	0.1080	2,660.7478

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
General Office Building	23.57	5.35	1.69	57,478	57,478
High Turnover (Sit Down Restaurant)	173.88	189.72	221.09	249,244	249,244
Parking Lot	0.00	0.00	0.00		
Strip Mall	31.02	29.43	14.30	54,047	54,047
Unrefrigerated Warehouse-No Rail	189.73	189.73	189.73	813,127	813,127
Total	418.20	414.23	426.82	1,173,896	1,173,896

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
General Office Building	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
High Turnover (Sit Down Restaurant)	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Parking Lot	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Strip Mall	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Unrefrigerated Warehouse-No Rail	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0141	0.1281	0.1076	7.7000e-004		9.7400e-003	9.7400e-003		9.7400e-003	9.7400e-003		153.7237	153.7237	2.9500e-003	2.8200e-003	154.6372
NaturalGas Unmitigated	0.0141	0.1281	0.1076	7.7000e-004		9.7400e-003	9.7400e-003		9.7400e-003	9.7400e-003		153.7237	153.7237	2.9500e-003	2.8200e-003	154.6372

21611 South Perry Street - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	68.4979	7.4000e-004	6.7200e-003	5.6400e-003	4.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004		8.0586	8.0586	1.5000e-004	1.5000e-004	8.1065
High Turnover (Sit Down Restaurant)	978.114	0.0106	0.0959	0.0806	5.8000e-004		7.2900e-003	7.2900e-003		7.2900e-003	7.2900e-003		115.0722	115.0722	2.2100e-003	2.1100e-003	115.7560
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	3.12603	3.0000e-005	3.1000e-004	2.6000e-004	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.3678	0.3678	1.0000e-005	1.0000e-005	0.3700
Unrefrigerated Warehouse-No Rail	256.914	2.7700e-003	0.0252	0.0212	1.5000e-004		1.9100e-003	1.9100e-003		1.9100e-003	1.9100e-003		30.2252	30.2252	5.8000e-004	5.5000e-004	30.4048
Total		**0.0141**	**0.1281**	**0.1076**	**7.7000e-004**		**9.7300e-003**	**9.7300e-003**		**9.7300e-003**	**9.7300e-003**		**153.7237**	**153.7237**	**2.9500e-003**	**2.8200e-003**	**154.6372**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0.0684979	7.4000e-004	6.7200e-003	5.6400e-003	4.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004		8.0586	8.0586	1.5000e-004	1.5000e-004	8.1065
High Turnover (Sit Down Restaurant)	0.978114	0.0106	0.0959	0.0806	5.8000e-004		7.2900e-003	7.2900e-003		7.2900e-003	7.2900e-003		115.0722	115.0722	2.2100e-003	2.1100e-003	115.7560
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.00312603	3.0000e-005	3.1000e-004	2.6000e-004	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.3678	0.3678	1.0000e-005	1.0000e-005	0.3700
Unrefrigerated Warehouse-No Rail	0.256914	2.7700e-003	0.0252	0.0212	1.5000e-004		1.9100e-003	1.9100e-003		1.9100e-003	1.9100e-003		30.2252	30.2252	5.8000e-004	5.5000e-004	30.4048
Total		**0.0141**	**0.1281**	**0.1076**	**7.7000e-004**		**9.7300e-003**	**9.7300e-003**		**9.7300e-003**	**9.7300e-003**		**153.7237**	**153.7237**	**2.9500e-003**	**2.8200e-003**	**154.6372**

6.0 Area Detail

6.1 Mitigation Measures Area

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.5500	1.4000e-004	0.0158	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0340	0.0340	9.0000e-005		0.0362
Unmitigated	2.5500	1.4000e-004	0.0158	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0340	0.0340	9.0000e-005		0.0362

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2901					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.2585					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4600e-003	1.4000e-004	0.0158	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0340	0.0340	9.0000e-005		0.0362
Total	**2.5500**	**1.4000e-004**	**0.0158**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**		**0.0340**	**0.0340**	**9.0000e-005**		**0.0362**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2901					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.2585					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4600e-003	1.4000e-004	0.0158	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0340	0.0340	9.0000e-005		0.0362
Total	**2.5500**	**1.4000e-004**	**0.0158**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**		**0.0340**	**0.0340**	**9.0000e-005**		**0.0362**

7.0 Water Detail

7.1 Mitigation Measures Water

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

21611 South Perry Street

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	2.42	1000sqft	0.20	2,425.00	0
Unrefrigerated Warehouse-No Rail	109.04	1000sqft	0.50	109,039.00	0
Parking Lot	41.00	Space	0.20	16,400.00	0
City Park	0.53	Acre	1.50	22,999.68	0
High Turnover (Sit Down Restaurant)	1.55	1000sqft	0.20	1,550.00	0
Strip Mall	0.70	1000sqft	0.20	700.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	210.1	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Updated CO2e

Land Use - See Construction Assumptions

Construction Phase - See Construction Assumptions

Off-road Equipment - See Construction Assumptions

Off-road Equipment - See Construction Assumptions

Off-road Equipment - See Construction Assumptions

Off-road Equipment - See Construction Assumptions

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Off-road Equipment - See Construction Assumptions

Off-road Equipment - See Construction Assumptions

Off-road Equipment - See Construction Assumptions

Off-road Equipment - See Construction Assumptions

Trips and VMT -

Grading -

Architectural Coating - Landscaping has no VOCs

Vehicle Trips - no VMT for City Park

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	56,857.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	170,571.00	0.00
tblArchitecturalCoating	ConstArea_Parking	984.00	0.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	0.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	0.00
tblArchitecturalCoating	EF_Parking	100.00	0.00
tblArchitecturalCoating	EF_Residential_Exterior	50.00	0.00
tblArchitecturalCoating	EF_Residential_Interior	50.00	0.00
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	3.00	23.00
tblConstructionPhase	NumDays	6.00	21.00
tblConstructionPhase	NumDays	220.00	176.00
tblConstructionPhase	NumDays	10.00	67.00
tblConstructionPhase	NumDays	10.00	67.00
tblConstructionPhase	NumDays	10.00	23.00
tblLandUse	LandUseSquareFeet	2,420.00	2,425.00
tblLandUse	LandUseSquareFeet	109,040.00	109,039.00
tblLandUse	LandUseSquareFeet	23,086.80	22,999.68

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblLandUse	LotAcreage	0.06	0.20
tblLandUse	LotAcreage	2.50	0.50
tblLandUse	LotAcreage	0.37	0.20
tblLandUse	LotAcreage	0.53	1.50
tblLandUse	LotAcreage	0.04	0.20
tblLandUse	LotAcreage	0.02	0.20
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblProjectCharacteristics	CO2IntensityFactor	390.98	210.1
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	WD_TR	0.78	0.00

2.0 Emissions Summary

21611 South Perry Street - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	19.4139	71.3960	70.5000	0.1446	5.5547	3.0838	8.6385	0.7228	2.8934	3.6162	0.0000	13,901.6340	13,901.6340	3.4341	0.0932	13,992.3002
2024	21.2933	45.4549	64.7649	0.1160	1.5350	2.0641	3.5991	0.4107	1.9681	2.3788	0.0000	11,175.0215	11,175.0215	1.9691	0.0974	11,253.2692
Maximum	**21.2933**	**71.3960**	**70.5000**	**0.1446**	**5.5547**	**3.0838**	**8.6385**	**0.7228**	**2.8934**	**3.6162**	**0.0000**	**13,901.6340**	**13,901.6340**	**3.4341**	**0.0974**	**13,992.3002**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	19.4139	71.3960	70.5000	0.1446	2.6436	3.0838	5.7274	0.4085	2.8934	3.3018	0.0000	13,901.6340	13,901.6340	3.4341	0.0932	13,992.3002
2024	21.2933	45.4549	64.7649	0.1160	1.5350	2.0641	3.5991	0.4107	1.9681	2.3788	0.0000	11,175.0215	11,175.0215	1.9691	0.0974	11,253.2692
Maximum	**21.2933**	**71.3960**	**70.5000**	**0.1446**	**2.6436**	**3.0838**	**5.7274**	**0.4107**	**2.8934**	**3.3018**	**0.0000**	**13,901.6340**	**13,901.6340**	**3.4341**	**0.0974**	**13,992.3002**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**41.06**	**0.00**	**23.79**	**27.73**	**0.00**	**5.24**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.5500	1.4000e-004	0.0158	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0340	0.0340	9.0000e-005		0.0362
Energy	0.0141	0.1281	0.1076	7.7000e-004		9.7400e-003	9.7400e-003		9.7400e-003	9.7400e-003		153.7237	153.7237	2.9500e-003	2.8200e-003	154.6372
Mobile	1.2434	1.1807	11.7504	0.0253	2.6304	0.0183	2.6487	0.7007	0.0170	0.7176		2,624.1440	2,624.1440	0.1769	0.1080	2,660.7478
Total	**3.8076**	**1.3089**	**11.8738**	**0.0261**	**2.6304**	**0.0281**	**2.6585**	**0.7007**	**0.0268**	**0.7274**		**2,777.9017**	**2,777.9017**	**0.1800**	**0.1108**	**2,815.4212**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.5500	1.4000e-004	0.0158	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0340	0.0340	9.0000e-005		0.0362
Energy	0.0141	0.1281	0.1076	7.7000e-004		9.7400e-003	9.7400e-003		9.7400e-003	9.7400e-003		153.7237	153.7237	2.9500e-003	2.8200e-003	154.6372
Mobile	1.2434	1.1807	11.7504	0.0253	2.6304	0.0183	2.6487	0.7007	0.0170	0.7176		2,624.1440	2,624.1440	0.1769	0.1080	2,660.7478
Total	**3.8076**	**1.3089**	**11.8738**	**0.0261**	**2.6304**	**0.0281**	**2.6585**	**0.7007**	**0.0268**	**0.7274**		**2,777.9017**	**2,777.9017**	**0.1800**	**0.1108**	**2,815.4212**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demo & Site Preparation	Site Preparation	1/1/2023	2/1/2023	5	23	
2	Grading/Excavation	Grading	2/1/2023	3/1/2023	5	21	
3	Drainage/Utilities/Trenching	Trenching	3/1/2023	5/1/2023	5	44	
4	Foundations/Concrete Pour	Trenching	5/1/2023	6/1/2023	5	24	
5	Building Construction	Building Construction	6/1/2023	2/1/2024	5	176	
6	Architectural Coating	Architectural Coating	11/1/2023	2/1/2024	5	67	
7	Landscaping	Architectural Coating	11/1/2023	2/1/2024	5	67	
8	Paving	Paving	1/1/2024	1/31/2024	5	23	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 94.5

Acres of Paving: 0.2

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 170,571; Non-Residential Outdoor: 56,857; Striped Parking Area: 984 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demo & Site Preparation	Air Compressors	2	8.00	78	0.48
Demo & Site Preparation	Dumpers/Tenders	2	8.00	16	0.38
Demo & Site Preparation	Excavators	1	8.00	158	0.38

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Demo & Site Preparation	Generator Sets	1	8.00	84	0.74
Demo & Site Preparation	Skid Steer Loaders	1	8.00	65	0.37
Demo & Site Preparation	Sweepers/Scrubbers	1	8.00	64	0.46
Demo & Site Preparation	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading/Excavation	Concrete/Industrial Saws	1	8.00	81	0.73
Grading/Excavation	Crawler Tractors	2	8.00	212	0.43
Grading/Excavation	Dumpers/Tenders	2	8.00	16	0.38
Grading/Excavation	Excavators	1	8.00	158	0.38
Grading/Excavation	Graders	1	8.00	187	0.41
Grading/Excavation	Plate Compactors	1	8.00	8	0.43
Grading/Excavation	Rollers	1	8.00	80	0.38
Grading/Excavation	Scrapers	3	8.00	367	0.48
Grading/Excavation	Sweepers/Scrubbers	1	8.00	64	0.46
Grading/Excavation	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Drainage/Utilities/Trenching	Air Compressors	1	8.00	78	0.48
Drainage/Utilities/Trenching	Dumpers/Tenders	2	8.00	16	0.38
Drainage/Utilities/Trenching	Excavators	1	8.00	158	0.38
Drainage/Utilities/Trenching	Generator Sets	2	8.00	84	0.74
Drainage/Utilities/Trenching	Plate Compactors	1	8.00	8	0.43
Drainage/Utilities/Trenching	Pumps	1	8.00	84	0.74
Drainage/Utilities/Trenching	Rough Terrain Forklifts	1	8.00	100	0.40
Drainage/Utilities/Trenching	Sweepers/Scrubbers	1	8.00	64	0.46
Drainage/Utilities/Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Foundations/Concrete Pour	Air Compressors	1	8.00	78	0.48
Foundations/Concrete Pour	Concrete/Industrial Saws	1	8.00	81	0.73
Foundations/Concrete Pour	Dumpers/Tenders	2	8.00	16	0.38
Foundations/Concrete Pour	Plate Compactors	1	8.00	8	0.43
Foundations/Concrete Pour	Pumps	1	8.00	84	0.74
Foundations/Concrete Pour	Rough Terrain Forklifts	1	8.00	100	0.40

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Foundations/Concrete Pour	Skid Steer Loaders	1	8.00	65	0.37
Foundations/Concrete Pour	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Air Compressors	2	8.00	78	0.48
Building Construction	Cement and Mortar Mixers	2	8.00	9	0.56
Building Construction	Concrete/Industrial Saws	2	8.00	81	0.73
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Dumpers/Tenders	1	8.00	16	0.38
Building Construction	Forklifts	4	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Pumps	1	8.00	84	0.74
Building Construction	Rough Terrain Forklifts	1	8.00	100	0.40
Architectural Coating	Air Compressors	1	6.00	78	0.48
Architectural Coating	Cement and Mortar Mixers	1	8.00	9	0.56
Architectural Coating	Rough Terrain Forklifts	1	8.00	100	0.40
Landscaping	Dumpers/Tenders	1	6.00	16	0.38
Landscaping	Skid Steer Loaders	1	8.00	65	0.37
Paving	Air Compressors	1	8.00	78	0.48
Paving	Dumpers/Tenders	2	8.00	16	0.38
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	3	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Sweepers/Scrubbers	1	8.00	64	0.46
Paving	Tractors/Loaders/Backhoes	3	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demo & Site Preparation	11	28.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Grading/Excavation	16	40.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Drainage/Utilities/Trenching	12	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Foundations/Concrete Pour	11	28.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	15	64.00	25.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	3	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Landscaping	2	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	13	33.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demo & Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.7970	15.2696	21.4196	0.0340		0.7647	0.7647		0.7317	0.7317		3,233.8499	3,233.8499	0.6476		3,250.0406
Total	**1.7970**	**15.2696**	**21.4196**	**0.0340**	**0.0000**	**0.7647**	**0.7647**	**0.0000**	**0.7317**	**0.7317**		**3,233.8499**	**3,233.8499**	**0.6476**		**3,250.0406**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demo & Site Preparation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0897	0.0625	1.0146	2.7700e-003	0.3130	1.8900e-003	0.3149	0.0830	1.7400e-003	0.0847		283.5316	283.5316	7.0600e-003	6.4600e-003	285.6338
Total	**0.0897**	**0.0625**	**1.0146**	**2.7700e-003**	**0.3130**	**1.8900e-003**	**0.3149**	**0.0830**	**1.7400e-003**	**0.0847**		**283.5316**	**283.5316**	**7.0600e-003**	**6.4600e-003**	**285.6338**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.7970	15.2696	21.4196	0.0340		0.7647	0.7647		0.7317	0.7317	0.0000	3,233.8499	3,233.8499	0.6476		3,250.0406
Total	**1.7970**	**15.2696**	**21.4196**	**0.0340**	**0.0000**	**0.7647**	**0.7647**	**0.0000**	**0.7317**	**0.7317**	**0.0000**	**3,233.8499**	**3,233.8499**	**0.6476**		**3,250.0406**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demo & Site Preparation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0897	0.0625	1.0146	2.7700e-003	0.3130	1.8900e-003	0.3149	0.0830	1.7400e-003	0.0847		283.5316	283.5316	7.0600e-003	6.4600e-003	285.6338
Total	**0.0897**	**0.0625**	**1.0146**	**2.7700e-003**	**0.3130**	**1.8900e-003**	**0.3149**	**0.0830**	**1.7400e-003**	**0.0847**		**283.5316**	**283.5316**	**7.0600e-003**	**6.4600e-003**	**285.6338**

3.3 Grading/Excavation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.7723	0.0000	4.7723	0.5153	0.0000	0.5153			0.0000			0.0000
Off-Road	5.0746	52.4128	41.8462	0.0946		2.1676	2.1676		2.0080	2.0080		9,108.8387	9,108.8387	2.7496		9,177.5786
Total	**5.0746**	**52.4128**	**41.8462**	**0.0946**	**4.7723**	**2.1676**	**6.9398**	**0.5153**	**2.0080**	**2.5233**		**9,108.8387**	**9,108.8387**	**2.7496**		**9,177.5786**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading/Excavation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1281	0.0893	1.4495	3.9600e-003	0.4471	2.7000e-003	0.4498	0.1186	2.4800e-003	0.1211		405.0451	405.0451	0.0101	9.2300e-003	408.0483
Total	**0.1281**	**0.0893**	**1.4495**	**3.9600e-003**	**0.4471**	**2.7000e-003**	**0.4498**	**0.1186**	**2.4800e-003**	**0.1211**		**405.0451**	**405.0451**	**0.0101**	**9.2300e-003**	**408.0483**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.8612	0.0000	1.8612	0.2010	0.0000	0.2010			0.0000			0.0000
Off-Road	5.0746	52.4128	41.8462	0.0946		2.1676	2.1676		2.0080	2.0080	0.0000	9,108.8387	9,108.8387	2.7496		9,177.5786
Total	**5.0746**	**52.4128**	**41.8462**	**0.0946**	**1.8612**	**2.1676**	**4.0288**	**0.2010**	**2.0080**	**2.2090**	**0.0000**	**9,108.8387**	**9,108.8387**	**2.7496**		**9,177.5786**

3.3 Grading/Excavation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1281	0.0893	1.4495	3.9600e-003	0.4471	2.7000e-003	0.4498	0.1186	2.4800e-003	0.1211		405.0451	405.0451	0.0101	9.2300e-003	408.0483
Total	**0.1281**	**0.0893**	**1.4495**	**3.9600e-003**	**0.4471**	**2.7000e-003**	**0.4498**	**0.1186**	**2.4800e-003**	**0.1211**		**405.0451**	**405.0451**	**0.0101**	**9.2300e-003**	**408.0483**

3.4 Drainage/Utilities/Trenching - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1613	18.8269	26.1172	0.0431		0.9115	0.9115		0.8810	0.8810		4,083.9663	4,083.9663	0.6668		4,100.6369
Total	**2.1613**	**18.8269**	**26.1172**	**0.0431**		**0.9115**	**0.9115**		**0.8810**	**0.8810**		**4,083.9663**	**4,083.9663**	**0.6668**		**4,100.6369**

3.4 Drainage/Utilities/Trenching - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0961	0.0670	1.0871	2.9700e-003	0.3353	2.0200e-003	0.3374	0.0889	1.8600e-003	0.0908		303.7838	303.7838	7.5600e-003	6.9200e-003	306.0363
Total	**0.0961**	**0.0670**	**1.0871**	**2.9700e-003**	**0.3353**	**2.0200e-003**	**0.3374**	**0.0889**	**1.8600e-003**	**0.0908**		**303.7838**	**303.7838**	**7.5600e-003**	**6.9200e-003**	**306.0363**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1613	18.8269	26.1172	0.0431		0.9115	0.9115		0.8810	0.8810	0.0000	4,083.9663	4,083.9663	0.6668		4,100.6369
Total	**2.1613**	**18.8269**	**26.1172**	**0.0431**		**0.9115**	**0.9115**		**0.8810**	**0.8810**	**0.0000**	**4,083.9663**	**4,083.9663**	**0.6668**		**4,100.6369**

3.4 Drainage/Utilities/Trenching - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0961	0.0670	1.0871	2.9700e-003	0.3353	2.0200e-003	0.3374	0.0889	1.8600e-003	0.0908		303.7838	303.7838	7.5600e-003	6.9200e-003	306.0363
Total	**0.0961**	**0.0670**	**1.0871**	**2.9700e-003**	**0.3353**	**2.0200e-003**	**0.3374**	**0.0889**	**1.8600e-003**	**0.0908**		**303.7838**	**303.7838**	**7.5600e-003**	**6.9200e-003**	**306.0363**

3.5 Foundations/Concrete Pour - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7290	15.1259	20.8762	0.0337		0.7037	0.7037		0.6796	0.6796		3,186.3435	3,186.3435	0.5622		3,200.3992
Total	**1.7290**	**15.1259**	**20.8762**	**0.0337**		**0.7037**	**0.7037**		**0.6796**	**0.6796**		**3,186.3435**	**3,186.3435**	**0.5622**		**3,200.3992**

3.5 Foundations/Concrete Pour - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0897	0.0625	1.0146	2.7700e-003	0.3130	1.8900e-003	0.3149	0.0830	1.7400e-003	0.0847		283.5316	283.5316	7.0600e-003	6.4600e-003	285.6338
Total	**0.0897**	**0.0625**	**1.0146**	**2.7700e-003**	**0.3130**	**1.8900e-003**	**0.3149**	**0.0830**	**1.7400e-003**	**0.0847**		**283.5316**	**283.5316**	**7.0600e-003**	**6.4600e-003**	**285.6338**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7290	15.1259	20.8762	0.0337		0.7037	0.7037		0.6796	0.6796	0.0000	3,186.3435	3,186.3435	0.5622		3,200.3992
Total	**1.7290**	**15.1259**	**20.8762**	**0.0337**		**0.7037**	**0.7037**		**0.6796**	**0.6796**	**0.0000**	**3,186.3435**	**3,186.3435**	**0.5622**		**3,200.3992**

3.5 Foundations/Concrete Pour - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0897	0.0625	1.0146	2.7700e-003	0.3130	1.8900e-003	0.3149	0.0830	1.7400e-003	0.0847		283.5316	283.5316	7.0600e-003	6.4600e-003	285.6338
Total	**0.0897**	**0.0625**	**1.0146**	**2.7700e-003**	**0.3130**	**1.8900e-003**	**0.3149**	**0.0830**	**1.7400e-003**	**0.0847**		**283.5316**	**283.5316**	**7.0600e-003**	**6.4600e-003**	**285.6338**

3.6 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.8192	23.8862	28.5350	0.0503		1.1664	1.1664		1.1334	1.1334		4,754.6322	4,754.6322	0.6325		4,770.4448
Total	**2.8192**	**23.8862**	**28.5350**	**0.0503**		**1.1664**	**1.1664**		**1.1334**	**1.1334**		**4,754.6322**	**4,754.6322**	**0.6325**		**4,770.4448**

3.6 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0288	0.9596	0.3718	4.6500e-003	0.1601	4.8200e-003	0.1650	0.0461	4.6100e-003	0.0507		500.7062	500.7062	0.0168	0.0720	522.5778
Worker	0.2049	0.1429	2.3192	6.3300e-003	0.7154	4.3200e-003	0.7197	0.1897	3.9700e-003	0.1937		648.0722	648.0722	0.0161	0.0148	652.8774
Total	**0.2337**	**1.1025**	**2.6909**	**0.0110**	**0.8755**	**9.1400e-003**	**0.8847**	**0.2358**	**8.5800e-003**	**0.2444**		**1,148.7784**	**1,148.7784**	**0.0329**	**0.0868**	**1,175.4551**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.8192	23.8862	28.5350	0.0503		1.1664	1.1664		1.1334	1.1334	0.0000	4,754.6322	4,754.6322	0.6325		4,770.4448
Total	**2.8192**	**23.8862**	**28.5350**	**0.0503**		**1.1664**	**1.1664**		**1.1334**	**1.1334**	**0.0000**	**4,754.6322**	**4,754.6322**	**0.6325**		**4,770.4448**

3.6 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0288	0.9596	0.3718	4.6500e-003	0.1601	4.8200e-003	0.1650	0.0461	4.6100e-003	0.0507		500.7062	500.7062	0.0168	0.0720	522.5778
Worker	0.2049	0.1429	2.3192	6.3300e-003	0.7154	4.3200e-003	0.7197	0.1897	3.9700e-003	0.1937		648.0722	648.0722	0.0161	0.0148	652.8774
Total	**0.2337**	**1.1025**	**2.6909**	**0.0110**	**0.8755**	**9.1400e-003**	**0.8847**	**0.2358**	**8.5800e-003**	**0.2444**		**1,148.7784**	**1,148.7784**	**0.0329**	**0.0868**	**1,175.4551**

3.6 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6535	22.3495	28.4298	0.0503		1.0230	1.0230		0.9937	0.9937		4,754.5510	4,754.5510	0.6245		4,770.1625
Total	**2.6535**	**22.3495**	**28.4298**	**0.0503**		**1.0230**	**1.0230**		**0.9937**	**0.9937**		**4,754.5510**	**4,754.5510**	**0.6245**		**4,770.1625**

3.6 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0279	0.9615	0.3638	4.5800e-003	0.1601	4.8600e-003	0.1650	0.0461	4.6400e-003	0.0508		493.1865	493.1865	0.0168	0.0710	514.7600
Worker	0.1910	0.1276	2.1587	6.1500e-003	0.7154	4.1400e-003	0.7195	0.1897	3.8100e-003	0.1935		634.7129	634.7129	0.0146	0.0137	639.1714
Total	**0.2189**	**1.0891**	**2.5226**	**0.0107**	**0.8755**	**9.0000e-003**	**0.8845**	**0.2358**	**8.4500e-003**	**0.2443**		**1,127.8995**	**1,127.8995**	**0.0314**	**0.0847**	**1,153.9314**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6535	22.3495	28.4298	0.0503		1.0230	1.0230		0.9937	0.9937	0.0000	4,754.5510	4,754.5510	0.6245		4,770.1625
Total	**2.6535**	**22.3495**	**28.4298**	**0.0503**		**1.0230**	**1.0230**		**0.9937**	**0.9937**	**0.0000**	**4,754.5510**	**4,754.5510**	**0.6245**		**4,770.1625**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0279	0.9615	0.3638	4.5800e-003	0.1601	4.8600e-003	0.1650	0.0461	4.6400e-003	0.0508		493.1865	493.1865	0.0168	0.0710	514.7600
Worker	0.1910	0.1276	2.1587	6.1500e-003	0.7154	4.1400e-003	0.7195	0.1897	3.8100e-003	0.1935		634.7129	634.7129	0.0146	0.0137	639.1714
Total	**0.2189**	**1.0891**	**2.5226**	**0.0107**	**0.8755**	**9.0000e-003**	**0.8845**	**0.2358**	**8.4500e-003**	**0.2443**		**1,127.8995**	**1,127.8995**	**0.0314**	**0.0847**	**1,153.9314**

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.8013					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3562	3.0706	4.4068	7.1300e-003		0.1301	0.1301		0.1265	0.1265		665.7678	665.7678	0.1300		669.0189
Total	**16.1575**	**3.0706**	**4.4068**	**7.1300e-003**		**0.1301**	**0.1301**		**0.1265**	**0.1265**		**665.7678**	**665.7678**	**0.1300**		**669.0189**

3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0416	0.0290	0.4711	1.2900e-003	0.1453	8.8000e-004	0.1462	0.0385	8.1000e-004	0.0393		131.6397	131.6397	3.2800e-003	3.0000e-003	132.6157
Total	**0.0416**	**0.0290**	**0.4711**	**1.2900e-003**	**0.1453**	**8.8000e-004**	**0.1462**	**0.0385**	**8.1000e-004**	**0.0393**		**131.6397**	**131.6397**	**3.2800e-003**	**3.0000e-003**	**132.6157**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.8013					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3562	3.0706	4.4068	7.1300e-003		0.1301	0.1301		0.1265	0.1265	0.0000	665.7678	665.7678	0.1300		669.0189
Total	**16.1575**	**3.0706**	**4.4068**	**7.1300e-003**		**0.1301**	**0.1301**		**0.1265**	**0.1265**	**0.0000**	**665.7678**	**665.7678**	**0.1300**		**669.0189**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0416	0.0290	0.4711	1.2900e-003	0.1453	8.8000e-004	0.1462	0.0385	8.1000e-004	0.0393		131.6397	131.6397	3.2800e-003	3.0000e-003	132.6157
Total	**0.0416**	**0.0290**	**0.4711**	**1.2900e-003**	**0.1453**	**8.8000e-004**	**0.1462**	**0.0385**	**8.1000e-004**	**0.0393**		**131.6397**	**131.6397**	**3.2800e-003**	**3.0000e-003**	**132.6157**

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.8013					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3419	2.9372	4.4075	7.1300e-003		0.1164	0.1164		0.1131	0.1131		665.7006	665.7006	0.1290		668.9263
Total	**16.1433**	**2.9372**	**4.4075**	**7.1300e-003**		**0.1164**	**0.1164**		**0.1131**	**0.1131**		**665.7006**	**665.7006**	**0.1290**		**668.9263**

3.7 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0388	0.0259	0.4385	1.2500e-003	0.1453	8.4000e-004	0.1462	0.0385	7.7000e-004	0.0393		128.9261	128.9261	2.9700e-003	2.7900e-003	129.8317
Total	**0.0388**	**0.0259**	**0.4385**	**1.2500e-003**	**0.1453**	**8.4000e-004**	**0.1462**	**0.0385**	**7.7000e-004**	**0.0393**		**128.9261**	**128.9261**	**2.9700e-003**	**2.7900e-003**	**129.8317**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.8013					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3419	2.9372	4.4075	7.1300e-003		0.1164	0.1164		0.1131	0.1131	0.0000	665.7006	665.7006	0.1290		668.9263
Total	**16.1433**	**2.9372**	**4.4075**	**7.1300e-003**		**0.1164**	**0.1164**		**0.1131**	**0.1131**	**0.0000**	**665.7006**	**665.7006**	**0.1290**		**668.9263**

3.7 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0388	0.0259	0.4385	1.2500e-003	0.1453	8.4000e-004	0.1462	0.0385	7.7000e-004	0.0393		128.9261	128.9261	2.9700e-003	2.7900e-003	129.8317
Total	**0.0388**	**0.0259**	**0.4385**	**1.2500e-003**	**0.1453**	**8.4000e-004**	**0.1462**	**0.0385**	**7.7000e-004**	**0.0393**		**128.9261**	**128.9261**	**2.9700e-003**	**2.7900e-003**	**129.8317**

3.8 Landscaping - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1202	1.2131	1.5735	2.6300e-003		0.0423	0.0423		0.0399	0.0399		246.1915	246.1915	0.0698		247.9352
Total	**0.1202**	**1.2131**	**1.5735**	**2.6300e-003**		**0.0423**	**0.0423**		**0.0399**	**0.0399**		**246.1915**	**246.1915**	**0.0698**		**247.9352**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.8 Landscaping - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0416	0.0290	0.4711	1.2900e-003	0.1453	8.8000e-004	0.1462	0.0385	8.1000e-004	0.0393		131.6397	131.6397	3.2800e-003	3.0000e-003	132.6157
Total	**0.0416**	**0.0290**	**0.4711**	**1.2900e-003**	**0.1453**	**8.8000e-004**	**0.1462**	**0.0385**	**8.1000e-004**	**0.0393**		**131.6397**	**131.6397**	**3.2800e-003**	**3.0000e-003**	**132.6157**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1202	1.2131	1.5735	2.6300e-003		0.0423	0.0423		0.0399	0.0399	0.0000	246.1915	246.1915	0.0698		247.9352
Total	**0.1202**	**1.2131**	**1.5735**	**2.6300e-003**		**0.0423**	**0.0423**		**0.0399**	**0.0399**	**0.0000**	**246.1915**	**246.1915**	**0.0698**		**247.9352**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.8 Landscaping - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0416	0.0290	0.4711	1.2900e-003	0.1453	8.8000e-004	0.1462	0.0385	8.1000e-004	0.0393		131.6397	131.6397	3.2800e-003	3.0000e-003	132.6157
Total	**0.0416**	**0.0290**	**0.4711**	**1.2900e-003**	**0.1453**	**8.8000e-004**	**0.1462**	**0.0385**	**8.1000e-004**	**0.0393**		**131.6397**	**131.6397**	**3.2800e-003**	**3.0000e-003**	**132.6157**

3.8 Landscaping - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1174	1.1749	1.5727	2.6400e-003		0.0395	0.0395		0.0374	0.0374		246.2725	246.2725	0.0698		248.0168
Total	**0.1174**	**1.1749**	**1.5727**	**2.6400e-003**		**0.0395**	**0.0395**		**0.0374**	**0.0374**		**246.2725**	**246.2725**	**0.0698**		**248.0168**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.8 Landscaping - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0388	0.0259	0.4385	1.2500e-003	0.1453	8.4000e-004	0.1462	0.0385	7.7000e-004	0.0393		128.9261	128.9261	2.9700e-003	2.7900e-003	129.8317
Total	**0.0388**	**0.0259**	**0.4385**	**1.2500e-003**	**0.1453**	**8.4000e-004**	**0.1462**	**0.0385**	**7.7000e-004**	**0.0393**		**128.9261**	**128.9261**	**2.9700e-003**	**2.7900e-003**	**129.8317**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1174	1.1749	1.5727	2.6400e-003		0.0395	0.0395		0.0374	0.0374	0.0000	246.2725	246.2725	0.0698		248.0168
Total	**0.1174**	**1.1749**	**1.5727**	**2.6400e-003**		**0.0395**	**0.0395**		**0.0374**	**0.0374**	**0.0000**	**246.2725**	**246.2725**	**0.0698**		**248.0168**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.8 Landscaping - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0388	0.0259	0.4385	1.2500e-003	0.1453	8.4000e-004	0.1462	0.0385	7.7000e-004	0.0393		128.9261	128.9261	2.9700e-003	2.7900e-003	129.8317
Total	**0.0388**	**0.0259**	**0.4385**	**1.2500e-003**	**0.1453**	**8.4000e-004**	**0.1462**	**0.0385**	**7.7000e-004**	**0.0393**		**128.9261**	**128.9261**	**2.9700e-003**	**2.7900e-003**	**129.8317**

3.9 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9614	17.7866	25.8422	0.0395		0.8725	0.8725		0.8119	0.8119		3,795.4720	3,795.4720	1.1010		3,822.9960
Paving	0.0228					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.9842**	**17.7866**	**25.8422**	**0.0395**		**0.8725**	**0.8725**		**0.8119**	**0.8119**		**3,795.4720**	**3,795.4720**	**1.1010**		**3,822.9960**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.9 Paving - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0985	0.0658	1.1131	3.1700e-003	0.3689	2.1300e-003	0.3710	0.0978	1.9700e-003	0.0998		327.2739	327.2739	7.5300e-003	7.0800e-003	329.5728
Total	**0.0985**	**0.0658**	**1.1131**	**3.1700e-003**	**0.3689**	**2.1300e-003**	**0.3710**	**0.0978**	**1.9700e-003**	**0.0998**		**327.2739**	**327.2739**	**7.5300e-003**	**7.0800e-003**	**329.5728**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9614	17.7866	25.8422	0.0395		0.8725	0.8725		0.8119	0.8119	0.0000	3,795.4720	3,795.4720	1.1010		3,822.9960
Paving	0.0228					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.9842**	**17.7866**	**25.8422**	**0.0395**		**0.8725**	**0.8725**		**0.8119**	**0.8119**	**0.0000**	**3,795.4720**	**3,795.4720**	**1.1010**		**3,822.9960**

3.9 Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0985	0.0658	1.1131	3.1700e-003	0.3689	2.1300e-003	0.3710	0.0978	1.9700e-003	0.0998		327.2739	327.2739	7.5300e-003	7.0800e-003	329.5728
Total	**0.0985**	**0.0658**	**1.1131**	**3.1700e-003**	**0.3689**	**2.1300e-003**	**0.3710**	**0.0978**	**1.9700e-003**	**0.0998**		**327.2739**	**327.2739**	**7.5300e-003**	**7.0800e-003**	**329.5728**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

21611 South Perry Street - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2434	1.1807	11.7504	0.0253	2.6304	0.0183	2.6487	0.7007	0.0170	0.7176		2,624.1440	2,624.1440	0.1769	0.1080	2,660.7478
Unmitigated	1.2434	1.1807	11.7504	0.0253	2.6304	0.0183	2.6487	0.7007	0.0170	0.7176		2,624.1440	2,624.1440	0.1769	0.1080	2,660.7478

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
General Office Building	23.57	5.35	1.69	57,478	57,478
High Turnover (Sit Down Restaurant)	173.88	189.72	221.09	249,244	249,244
Parking Lot	0.00	0.00	0.00		
Strip Mall	31.02	29.43	14.30	54,047	54,047
Unrefrigerated Warehouse-No Rail	189.73	189.73	189.73	813,127	813,127
Total	418.20	414.23	426.82	1,173,896	1,173,896

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
General Office Building	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
High Turnover (Sit Down Restaurant)	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Parking Lot	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Strip Mall	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Unrefrigerated Warehouse-No Rail	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0141	0.1281	0.1076	7.7000e-004		9.7400e-003	9.7400e-003		9.7400e-003	9.7400e-003		153.7237	153.7237	2.9500e-003	2.8200e-003	154.6372
NaturalGas Unmitigated	0.0141	0.1281	0.1076	7.7000e-004		9.7400e-003	9.7400e-003		9.7400e-003	9.7400e-003		153.7237	153.7237	2.9500e-003	2.8200e-003	154.6372

21611 South Perry Street - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	68.4979	7.4000e-004	6.7200e-003	5.6400e-003	4.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004		8.0586	8.0586	1.5000e-004	1.5000e-004	8.1065
High Turnover (Sit Down Restaurant)	978.114	0.0106	0.0959	0.0806	5.8000e-004		7.2900e-003	7.2900e-003		7.2900e-003	7.2900e-003		115.0722	115.0722	2.2100e-003	2.1100e-003	115.7560
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	3.12603	3.0000e-005	3.1000e-004	2.6000e-004	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.3678	0.3678	1.0000e-005	1.0000e-005	0.3700
Unrefrigerated Warehouse-No Rail	256.914	2.7700e-003	0.0252	0.0212	1.5000e-004		1.9100e-003	1.9100e-003		1.9100e-003	1.9100e-003		30.2252	30.2252	5.8000e-004	5.5000e-004	30.4048
Total		**0.0141**	**0.1281**	**0.1076**	**7.7000e-004**		**9.7300e-003**	**9.7300e-003**		**9.7300e-003**	**9.7300e-003**		**153.7237**	**153.7237**	**2.9500e-003**	**2.8200e-003**	**154.6372**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0.0684979	7.4000e-004	6.7200e-003	5.6400e-003	4.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004		8.0586	8.0586	1.5000e-004	1.5000e-004	8.1065
High Turnover (Sit Down Restaurant)	0.978114	0.0106	0.0959	0.0806	5.8000e-004		7.2900e-003	7.2900e-003		7.2900e-003	7.2900e-003		115.0722	115.0722	2.2100e-003	2.1100e-003	115.7560
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.00312603	3.0000e-005	3.1000e-004	2.6000e-004	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.3678	0.3678	1.0000e-005	1.0000e-005	0.3700
Unrefrigerated Warehouse-No Rail	0.256914	2.7700e-003	0.0252	0.0212	1.5000e-004		1.9100e-003	1.9100e-003		1.9100e-003	1.9100e-003		30.2252	30.2252	5.8000e-004	5.5000e-004	30.4048
Total		**0.0141**	**0.1281**	**0.1076**	**7.7000e-004**		**9.7300e-003**	**9.7300e-003**		**9.7300e-003**	**9.7300e-003**		**153.7237**	**153.7237**	**2.9500e-003**	**2.8200e-003**	**154.6372**

6.0 Area Detail

6.1 Mitigation Measures Area

21611 South Perry Street - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.5500	1.4000e-004	0.0158	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0340	0.0340	9.0000e-005		0.0362
Unmitigated	2.5500	1.4000e-004	0.0158	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0340	0.0340	9.0000e-005		0.0362

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2901					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.2585					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4600e-003	1.4000e-004	0.0158	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0340	0.0340	9.0000e-005		0.0362
Total	**2.5500**	**1.4000e-004**	**0.0158**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**		**0.0340**	**0.0340**	**9.0000e-005**		**0.0362**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2901					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.2585					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4600e-003	1.4000e-004	0.0158	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0340	0.0340	9.0000e-005		0.0362
Total	**2.5500**	**1.4000e-004**	**0.0158**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**		**0.0340**	**0.0340**	**9.0000e-005**		**0.0362**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

21611 South Perry Street

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	2.42	1000sqft	0.20	2,425.00	0
Unrefrigerated Warehouse-No Rail	109.04	1000sqft	0.50	109,039.00	0
Parking Lot	41.00	Space	0.20	16,400.00	0
City Park	0.53	Acre	1.50	22,999.68	0
High Turnover (Sit Down Restaurant)	1.55	1000sqft	0.20	1,550.00	0
Strip Mall	0.70	1000sqft	0.20	700.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	210.1	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Updated CO2e

Land Use - See Construction Assumptions

Construction Phase - See Construction Assumptions

Off-road Equipment - See Construction Assumptions

Off-road Equipment - See Construction Assumptions

Off-road Equipment - See Construction Assumptions

Off-road Equipment - See Construction Assumptions

21611 South Perry Street - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Off-road Equipment - See Construction Assumptions

Off-road Equipment - See Construction Assumptions

Off-road Equipment - See Construction Assumptions

Off-road Equipment - See Construction Assumptions

Trips and VMT -

Grading -

Architectural Coating - Landscaping has no VOCs

Vehicle Trips - no VMT for City Park

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	56,857.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	170,571.00	0.00
tblArchitecturalCoating	ConstArea_Parking	984.00	0.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	0.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	0.00
tblArchitecturalCoating	EF_Parking	100.00	0.00
tblArchitecturalCoating	EF_Residential_Exterior	50.00	0.00
tblArchitecturalCoating	EF_Residential_Interior	50.00	0.00
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	10.00	67.00
tblConstructionPhase	NumDays	10.00	67.00
tblConstructionPhase	NumDays	220.00	176.00
tblConstructionPhase	NumDays	6.00	21.00
tblConstructionPhase	NumDays	10.00	23.00
tblConstructionPhase	NumDays	3.00	23.00
tblLandUse	LandUseSquareFeet	2,420.00	2,425.00
tblLandUse	LandUseSquareFeet	109,040.00	109,039.00
tblLandUse	LandUseSquareFeet	23,086.80	22,999.68

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblLandUse	LotAcreage	0.06	0.20
tblLandUse	LotAcreage	2.50	0.50
tblLandUse	LotAcreage	0.37	0.20
tblLandUse	LotAcreage	0.53	1.50
tblLandUse	LotAcreage	0.04	0.20
tblLandUse	LotAcreage	0.02	0.20
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblProjectCharacteristics	CO2IntensityFactor	390.98	210.1
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	WD_TR	0.78	0.00

2.0 Emissions Summary

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	19.8251	71.4123	70.2950	0.1442	5.5547	3.0838	8.6385	0.7228	2.8934	3.6162	0.0000	13,864.2637	13,864.2637	3.4343	0.0949	13,955.2641
2024	21.7016	50.0409	71.5625	0.1265	1.5350	2.2048	3.7397	0.4107	2.0988	2.5096	0.0000	12,173.8149	12,173.8149	2.2998	0.0994	12,260.9187
Maximum	**21.7016**	**71.4123**	**71.5625**	**0.1442**	**5.5547**	**3.0838**	**8.6385**	**0.7228**	**2.8934**	**3.6162**	**0.0000**	**13,864.2637**	**13,864.2637**	**3.4343**	**0.0994**	**13,955.2641**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	19.8251	71.4123	70.2950	0.1442	2.6436	3.0838	5.7274	0.4085	2.8934	3.3018	0.0000	13,864.2637	13,864.2637	3.4343	0.0949	13,955.2641
2024	21.7016	50.0409	71.5625	0.1265	1.5350	2.2048	3.7397	0.4107	2.0988	2.5096	0.0000	12,173.8149	12,173.8149	2.2998	0.0994	12,260.9187
Maximum	**21.7016**	**71.4123**	**71.5625**	**0.1442**	**2.6436**	**3.0838**	**5.7274**	**0.4107**	**2.8934**	**3.3018**	**0.0000**	**13,864.2637**	**13,864.2637**	**3.4343**	**0.0994**	**13,955.2641**

21611 South Perry Street - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**41.06**	**0.00**	**23.52**	**27.73**	**0.00**	**5.13**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.5500	1.4000e-004	0.0158	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0340	0.0340	9.0000e-005		0.0362
Energy	0.0141	0.1281	0.1076	7.7000e-004		9.7400e-003	9.7400e-003		9.7400e-003	9.7400e-003		153.7237	153.7237	2.9500e-003	2.8200e-003	154.6372
Mobile	1.2175	1.2751	11.5823	0.0242	2.6304	0.0183	2.6487	0.7007	0.0170	0.7177		2,513.4096	2,513.4096	0.1829	0.1128	2,551.6077
Total	**3.7817**	**1.4033**	**11.7057**	**0.0250**	**2.6304**	**0.0281**	**2.6585**	**0.7007**	**0.0268**	**0.7275**		**2,667.1673**	**2,667.1673**	**0.1860**	**0.1157**	**2,706.2811**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.5500	1.4000e-004	0.0158	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0340	0.0340	9.0000e-005		0.0362
Energy	0.0141	0.1281	0.1076	7.7000e-004		9.7400e-003	9.7400e-003		9.7400e-003	9.7400e-003		153.7237	153.7237	2.9500e-003	2.8200e-003	154.6372
Mobile	1.2175	1.2751	11.5823	0.0242	2.6304	0.0183	2.6487	0.7007	0.0170	0.7177		2,513.4096	2,513.4096	0.1829	0.1128	2,551.6077
Total	**3.7817**	**1.4033**	**11.7057**	**0.0250**	**2.6304**	**0.0281**	**2.6585**	**0.7007**	**0.0268**	**0.7275**		**2,667.1673**	**2,667.1673**	**0.1860**	**0.1157**	**2,706.2811**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demo & Site Preparation	Site Preparation	1/1/2023	2/1/2023	5	23	
2	Grading/Excavation	Grading	2/1/2023	3/1/2023	5	21	
3	Drainage/Utilities/Trenching	Trenching	3/1/2023	5/1/2023	5	44	
4	Foundations/Concrete Pour	Trenching	5/1/2023	6/1/2023	5	24	
5	Building Construction	Building Construction	6/1/2023	2/1/2024	5	176	
6	Architectural Coating	Architectural Coating	11/1/2023	2/1/2024	5	67	
7	Landscaping	Architectural Coating	11/1/2023	2/1/2024	5	67	
8	Paving	Paving	1/1/2024	1/31/2024	5	23	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 94.5

Acres of Paving: 0.2

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 170,571; Non-Residential Outdoor: 56,857; Striped Parking Area: 984 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demo & Site Preparation	Air Compressors	2	8.00	78	0.48
Demo & Site Preparation	Dumpers/Tenders	2	8.00	16	0.38
Demo & Site Preparation	Excavators	1	8.00	158	0.38

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Demo & Site Preparation	Generator Sets	1	8.00	84	0.74
Demo & Site Preparation	Skid Steer Loaders	1	8.00	65	0.37
Demo & Site Preparation	Sweepers/Scrubbers	1	8.00	64	0.46
Demo & Site Preparation	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading/Excavation	Concrete/Industrial Saws	1	8.00	81	0.73
Grading/Excavation	Crawler Tractors	2	8.00	212	0.43
Grading/Excavation	Dumpers/Tenders	2	8.00	16	0.38
Grading/Excavation	Excavators	1	8.00	158	0.38
Grading/Excavation	Graders	1	8.00	187	0.41
Grading/Excavation	Plate Compactors	1	8.00	8	0.43
Grading/Excavation	Rollers	1	8.00	80	0.38
Grading/Excavation	Scrapers	3	8.00	367	0.48
Grading/Excavation	Sweepers/Scrubbers	1	8.00	64	0.46
Grading/Excavation	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Drainage/Utilities/Trenching	Air Compressors	1	8.00	78	0.48
Drainage/Utilities/Trenching	Dumpers/Tenders	2	8.00	16	0.38
Drainage/Utilities/Trenching	Excavators	1	8.00	158	0.38
Drainage/Utilities/Trenching	Generator Sets	2	8.00	84	0.74
Drainage/Utilities/Trenching	Plate Compactors	1	8.00	8	0.43
Drainage/Utilities/Trenching	Pumps	1	8.00	84	0.74
Drainage/Utilities/Trenching	Rough Terrain Forklifts	1	8.00	100	0.40
Drainage/Utilities/Trenching	Sweepers/Scrubbers	1	8.00	64	0.46
Drainage/Utilities/Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Foundations/Concrete Pour	Air Compressors	1	8.00	78	0.48
Foundations/Concrete Pour	Concrete/Industrial Saws	1	8.00	81	0.73
Foundations/Concrete Pour	Dumpers/Tenders	2	8.00	16	0.38
Foundations/Concrete Pour	Plate Compactors	1	8.00	8	0.43
Foundations/Concrete Pour	Pumps	1	8.00	84	0.74
Foundations/Concrete Pour	Rough Terrain Forklifts	1	8.00	100	0.40

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Foundations/Concrete Pour	Skid Steer Loaders	1	8.00	65	0.37
Foundations/Concrete Pour	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Air Compressors	2	8.00	78	0.48
Building Construction	Cement and Mortar Mixers	2	8.00	9	0.56
Building Construction	Concrete/Industrial Saws	2	8.00	81	0.73
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Dumpers/Tenders	2	8.00	16	0.38
Building Construction	Forklifts	4	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Pumps	1	8.00	84	0.74
Building Construction	Rough Terrain Forklifts	4	8.00	100	0.40
Architectural Coating	Air Compressors	1	6.00	78	0.48
Architectural Coating	Cement and Mortar Mixers	1	8.00	9	0.56
Architectural Coating	Rough Terrain Forklifts	1	8.00	100	0.40
Landscaping	Dumpers/Tenders	1	6.00	16	0.38
Landscaping	Skid Steer Loaders	1	8.00	65	0.37
Paving	Air Compressors	1	8.00	78	0.48
Paving	Dumpers/Tenders	2	8.00	16	0.38
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	3	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Sweepers/Scrubbers	1	8.00	64	0.46
Paving	Tractors/Loaders/Backhoes	3	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demo & Site Preparation	11	28.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Grading/Excavation	16	40.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Drainage/Utilities/Trenching	12	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Foundations/Concrete Pour	11	28.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	19	64.00	25.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	3	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Landscaping	2	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	13	33.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demo & Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.7970	15.2696	21.4196	0.0340		0.7647	0.7647		0.7317	0.7317		3,233.8499	3,233.8499	0.6476		3,250.0406
Total	**1.7970**	**15.2696**	**21.4196**	**0.0340**	**0.0000**	**0.7647**	**0.7647**	**0.0000**	**0.7317**	**0.7317**		**3,233.8499**	**3,233.8499**	**0.6476**		**3,250.0406**

3.2 Demo & Site Preparation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0963	0.0691	0.9326	2.6200e-003	0.3130	1.8900e-003	0.3149	0.0830	1.7400e-003	0.0847		268.5835	268.5835	7.1600e-003	6.9000e-003	270.8194
Total	**0.0963**	**0.0691**	**0.9326**	**2.6200e-003**	**0.3130**	**1.8900e-003**	**0.3149**	**0.0830**	**1.7400e-003**	**0.0847**		**268.5835**	**268.5835**	**7.1600e-003**	**6.9000e-003**	**270.8194**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.7970	15.2696	21.4196	0.0340		0.7647	0.7647		0.7317	0.7317	0.0000	3,233.8499	3,233.8499	0.6476		3,250.0406
Total	**1.7970**	**15.2696**	**21.4196**	**0.0340**	**0.0000**	**0.7647**	**0.7647**	**0.0000**	**0.7317**	**0.7317**	**0.0000**	**3,233.8499**	**3,233.8499**	**0.6476**		**3,250.0406**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demo & Site Preparation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0963	0.0691	0.9326	2.6200e-003	0.3130	1.8900e-003	0.3149	0.0830	1.7400e-003	0.0847		268.5835	268.5835	7.1600e-003	6.9000e-003	270.8194
Total	**0.0963**	**0.0691**	**0.9326**	**2.6200e-003**	**0.3130**	**1.8900e-003**	**0.3149**	**0.0830**	**1.7400e-003**	**0.0847**		**268.5835**	**268.5835**	**7.1600e-003**	**6.9000e-003**	**270.8194**

3.3 Grading/Excavation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.7723	0.0000	4.7723	0.5153	0.0000	0.5153			0.0000			0.0000
Off-Road	5.0746	52.4128	41.8462	0.0946		2.1676	2.1676		2.0080	2.0080		9,108.8387	9,108.8387	2.7496		9,177.5786
Total	**5.0746**	**52.4128**	**41.8462**	**0.0946**	**4.7723**	**2.1676**	**6.9398**	**0.5153**	**2.0080**	**2.5233**		**9,108.8387**	**9,108.8387**	**2.7496**		**9,177.5786**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading/Excavation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1376	0.0986	1.3323	3.7500e-003	0.4471	2.7000e-003	0.4498	0.1186	2.4800e-003	0.1211		383.6907	383.6907	0.0102	9.8600e-003	386.8849
Total	**0.1376**	**0.0986**	**1.3323**	**3.7500e-003**	**0.4471**	**2.7000e-003**	**0.4498**	**0.1186**	**2.4800e-003**	**0.1211**		**383.6907**	**383.6907**	**0.0102**	**9.8600e-003**	**386.8849**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.8612	0.0000	1.8612	0.2010	0.0000	0.2010			0.0000			0.0000
Off-Road	5.0746	52.4128	41.8462	0.0946		2.1676	2.1676		2.0080	2.0080	0.0000	9,108.8387	9,108.8387	2.7496		9,177.5786
Total	**5.0746**	**52.4128**	**41.8462**	**0.0946**	**1.8612**	**2.1676**	**4.0288**	**0.2010**	**2.0080**	**2.2090**	**0.0000**	**9,108.8387**	**9,108.8387**	**2.7496**		**9,177.5786**

3.3 Grading/Excavation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1376	0.0986	1.3323	3.7500e-003	0.4471	2.7000e-003	0.4498	0.1186	2.4800e-003	0.1211		383.6907	383.6907	0.0102	9.8600e-003	386.8849
Total	**0.1376**	**0.0986**	**1.3323**	**3.7500e-003**	**0.4471**	**2.7000e-003**	**0.4498**	**0.1186**	**2.4800e-003**	**0.1211**		**383.6907**	**383.6907**	**0.0102**	**9.8600e-003**	**386.8849**

3.4 Drainage/Utilities/Trenching - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1613	18.8269	26.1172	0.0431		0.9115	0.9115		0.8810	0.8810		4,083.9663	4,083.9663	0.6668		4,100.6369
Total	**2.1613**	**18.8269**	**26.1172**	**0.0431**		**0.9115**	**0.9115**		**0.8810**	**0.8810**		**4,083.9663**	**4,083.9663**	**0.6668**		**4,100.6369**

3.4 Drainage/Utilities/Trenching - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1032	0.0740	0.9992	2.8100e-003	0.3353	2.0200e-003	0.3374	0.0889	1.8600e-003	0.0908		287.7680	287.7680	7.6700e-003	7.4000e-003	290.1636
Total	**0.1032**	**0.0740**	**0.9992**	**2.8100e-003**	**0.3353**	**2.0200e-003**	**0.3374**	**0.0889**	**1.8600e-003**	**0.0908**		**287.7680**	**287.7680**	**7.6700e-003**	**7.4000e-003**	**290.1636**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1613	18.8269	26.1172	0.0431		0.9115	0.9115		0.8810	0.8810	0.0000	4,083.9663	4,083.9663	0.6668		4,100.6369
Total	**2.1613**	**18.8269**	**26.1172**	**0.0431**		**0.9115**	**0.9115**		**0.8810**	**0.8810**	**0.0000**	**4,083.9663**	**4,083.9663**	**0.6668**		**4,100.6369**

3.4 Drainage/Utilities/Trenching - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1032	0.0740	0.9992	2.8100e-003	0.3353	2.0200e-003	0.3374	0.0889	1.8600e-003	0.0908		287.7680	287.7680	7.6700e-003	7.4000e-003	290.1636
Total	**0.1032**	**0.0740**	**0.9992**	**2.8100e-003**	**0.3353**	**2.0200e-003**	**0.3374**	**0.0889**	**1.8600e-003**	**0.0908**		**287.7680**	**287.7680**	**7.6700e-003**	**7.4000e-003**	**290.1636**

3.5 Foundations/Concrete Pour - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7290	15.1259	20.8762	0.0337		0.7037	0.7037		0.6796	0.6796		3,186.3435	3,186.3435	0.5622		3,200.3992
Total	**1.7290**	**15.1259**	**20.8762**	**0.0337**		**0.7037**	**0.7037**		**0.6796**	**0.6796**		**3,186.3435**	**3,186.3435**	**0.5622**		**3,200.3992**

3.5 Foundations/Concrete Pour - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0963	0.0691	0.9326	2.6200e-003	0.3130	1.8900e-003	0.3149	0.0830	1.7400e-003	0.0847		268.5835	268.5835	7.1600e-003	6.9000e-003	270.8194
Total	**0.0963**	**0.0691**	**0.9326**	**2.6200e-003**	**0.3130**	**1.8900e-003**	**0.3149**	**0.0830**	**1.7400e-003**	**0.0847**		**268.5835**	**268.5835**	**7.1600e-003**	**6.9000e-003**	**270.8194**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7290	15.1259	20.8762	0.0337		0.7037	0.7037		0.6796	0.6796	0.0000	3,186.3435	3,186.3435	0.5622		3,200.3992
Total	**1.7290**	**15.1259**	**20.8762**	**0.0337**		**0.7037**	**0.7037**		**0.6796**	**0.6796**	**0.0000**	**3,186.3435**	**3,186.3435**	**0.5622**		**3,200.3992**

3.5 Foundations/Concrete Pour - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0963	0.0691	0.9326	2.6200e-003	0.3130	1.8900e-003	0.3149	0.0830	1.7400e-003	0.0847		268.5835	268.5835	7.1600e-003	6.9000e-003	270.8194
Total	**0.0963**	**0.0691**	**0.9326**	**2.6200e-003**	**0.3130**	**1.8900e-003**	**0.3149**	**0.0830**	**1.7400e-003**	**0.0847**		**268.5835**	**268.5835**	**7.1600e-003**	**6.9000e-003**	**270.8194**

3.6 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.2100	28.5489	35.6477	0.0614		1.3186	1.3186		1.2748	1.2748		5,816.9829	5,816.9829	0.9629		5,841.0559
Total	**3.2100**	**28.5489**	**35.6477**	**0.0614**		**1.3186**	**1.3186**		**1.2748**	**1.2748**		**5,816.9829**	**5,816.9829**	**0.9629**		**5,841.0559**

3.6 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0278	1.0047	0.3834	4.6600e-003	0.1601	4.8500e-003	0.1650	0.0461	4.6400e-003	0.0508		501.5508	501.5508	0.0167	0.0722	523.4778
Worker	0.2202	0.1578	2.1317	6.0000e-003	0.7154	4.3200e-003	0.7197	0.1897	3.9700e-003	0.1937		613.9051	613.9051	0.0164	0.0158	619.0158
Total	**0.2480**	**1.1625**	**2.5152**	**0.0107**	**0.8755**	**9.1700e-003**	**0.8847**	**0.2358**	**8.6100e-003**	**0.2444**		**1,115.4559**	**1,115.4559**	**0.0331**	**0.0880**	**1,142.4935**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.2100	28.5489	35.6477	0.0614		1.3186	1.3186		1.2748	1.2748	0.0000	5,816.9829	5,816.9829	0.9629		5,841.0559
Total	**3.2100**	**28.5489**	**35.6477**	**0.0614**		**1.3186**	**1.3186**		**1.2748**	**1.2748**	**0.0000**	**5,816.9829**	**5,816.9829**	**0.9629**		**5,841.0559**

3.6 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0278	1.0047	0.3834	4.6600e-003	0.1601	4.8500e-003	0.1650	0.0461	4.6400e-003	0.0508		501.5508	501.5508	0.0167	0.0722	523.4778
Worker	0.2202	0.1578	2.1317	6.0000e-003	0.7154	4.3200e-003	0.7197	0.1897	3.9700e-003	0.1937		613.9051	613.9051	0.0164	0.0158	619.0158
Total	**0.2480**	**1.1625**	**2.5152**	**0.0107**	**0.8755**	**9.1700e-003**	**0.8847**	**0.2358**	**8.6100e-003**	**0.2444**		**1,115.4559**	**1,115.4559**	**0.0331**	**0.0880**	**1,142.4935**

3.6 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0341	26.8647	35.5479	0.0614		1.1636	1.1636		1.1245	1.1245		5,816.6999	5,816.6999	0.9548		5,840.5703
Total	**3.0341**	**26.8647**	**35.5479**	**0.0614**		**1.1636**	**1.1636**		**1.1245**	**1.1245**		**5,816.6999**	**5,816.6999**	**0.9548**		**5,840.5703**

3.6 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0269	1.0067	0.3754	4.5900e-003	0.1601	4.8800e-003	0.1650	0.0461	4.6700e-003	0.0508		494.0358	494.0358	0.0168	0.0712	515.6631
Worker	0.2059	0.1409	1.9860	5.8300e-003	0.7154	4.1400e-003	0.7195	0.1897	3.8100e-003	0.1935		601.3055	601.3055	0.0148	0.0147	606.0468
Total	**0.2328**	**1.1476**	**2.3614**	**0.0104**	**0.8755**	**9.0200e-003**	**0.8845**	**0.2358**	**8.4800e-003**	**0.2443**		**1,095.3414**	**1,095.3414**	**0.0316**	**0.0858**	**1,121.7099**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0341	26.8647	35.5479	0.0614		1.1636	1.1636		1.1245	1.1245	0.0000	5,816.6999	5,816.6999	0.9548		5,840.5703
Total	**3.0341**	**26.8647**	**35.5479**	**0.0614**		**1.1636**	**1.1636**		**1.1245**	**1.1245**	**0.0000**	**5,816.6999**	**5,816.6999**	**0.9548**		**5,840.5703**

3.6 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0269	1.0067	0.3754	4.5900e-003	0.1601	4.8800e-003	0.1650	0.0461	4.6700e-003	0.0508		494.0358	494.0358	0.0168	0.0712	515.6631
Worker	0.2059	0.1409	1.9860	5.8300e-003	0.7154	4.1400e-003	0.7195	0.1897	3.8100e-003	0.1935		601.3055	601.3055	0.0148	0.0147	606.0468
Total	**0.2328**	**1.1476**	**2.3614**	**0.0104**	**0.8755**	**9.0200e-003**	**0.8845**	**0.2358**	**8.4800e-003**	**0.2443**		**1,095.3414**	**1,095.3414**	**0.0316**	**0.0858**	**1,121.7099**

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.8013					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3562	3.0706	4.4068	7.1300e-003		0.1301	0.1301		0.1265	0.1265		665.7678	665.7678	0.1300		669.0189
Total	**16.1575**	**3.0706**	**4.4068**	**7.1300e-003**		**0.1301**	**0.1301**		**0.1265**	**0.1265**		**665.7678**	**665.7678**	**0.1300**		**669.0189**

3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0447	0.0321	0.4330	1.2200e-003	0.1453	8.8000e-004	0.1462	0.0385	8.1000e-004	0.0393		124.6995	124.6995	3.3200e-003	3.2000e-003	125.7376
Total	**0.0447**	**0.0321**	**0.4330**	**1.2200e-003**	**0.1453**	**8.8000e-004**	**0.1462**	**0.0385**	**8.1000e-004**	**0.0393**		**124.6995**	**124.6995**	**3.3200e-003**	**3.2000e-003**	**125.7376**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.8013					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3562	3.0706	4.4068	7.1300e-003		0.1301	0.1301		0.1265	0.1265	0.0000	665.7678	665.7678	0.1300		669.0189
Total	**16.1575**	**3.0706**	**4.4068**	**7.1300e-003**		**0.1301**	**0.1301**		**0.1265**	**0.1265**	**0.0000**	**665.7678**	**665.7678**	**0.1300**		**669.0189**

3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0447	0.0321	0.4330	1.2200e-003	0.1453	8.8000e-004	0.1462	0.0385	8.1000e-004	0.0393		124.6995	124.6995	3.3200e-003	3.2000e-003	125.7376
Total	**0.0447**	**0.0321**	**0.4330**	**1.2200e-003**	**0.1453**	**8.8000e-004**	**0.1462**	**0.0385**	**8.1000e-004**	**0.0393**		**124.6995**	**124.6995**	**3.3200e-003**	**3.2000e-003**	**125.7376**

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.8013					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3419	2.9372	4.4075	7.1300e-003		0.1164	0.1164		0.1131	0.1131		665.7006	665.7006	0.1290		668.9263
Total	**16.1433**	**2.9372**	**4.4075**	**7.1300e-003**		**0.1164**	**0.1164**		**0.1131**	**0.1131**		**665.7006**	**665.7006**	**0.1290**		**668.9263**

3.7 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0418	0.0286	0.4034	1.1800e-003	0.1453	8.4000e-004	0.1462	0.0385	7.7000e-004	0.0393		122.1402	122.1402	3.0100e-003	2.9800e-003	123.1033
Total	**0.0418**	**0.0286**	**0.4034**	**1.1800e-003**	**0.1453**	**8.4000e-004**	**0.1462**	**0.0385**	**7.7000e-004**	**0.0393**		**122.1402**	**122.1402**	**3.0100e-003**	**2.9800e-003**	**123.1033**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.8013					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3419	2.9372	4.4075	7.1300e-003		0.1164	0.1164		0.1131	0.1131	0.0000	665.7006	665.7006	0.1290		668.9263
Total	**16.1433**	**2.9372**	**4.4075**	**7.1300e-003**		**0.1164**	**0.1164**		**0.1131**	**0.1131**	**0.0000**	**665.7006**	**665.7006**	**0.1290**		**668.9263**

3.7 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0418	0.0286	0.4034	1.1800e-003	0.1453	8.4000e-004	0.1462	0.0385	7.7000e-004	0.0393		122.1402	122.1402	3.0100e-003	2.9800e-003	123.1033
Total	**0.0418**	**0.0286**	**0.4034**	**1.1800e-003**	**0.1453**	**8.4000e-004**	**0.1462**	**0.0385**	**7.7000e-004**	**0.0393**		**122.1402**	**122.1402**	**3.0100e-003**	**2.9800e-003**	**123.1033**

3.8 Landscaping - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1202	1.2131	1.5735	2.6300e-003		0.0423	0.0423		0.0399	0.0399		246.1915	246.1915	0.0698		247.9352
Total	**0.1202**	**1.2131**	**1.5735**	**2.6300e-003**		**0.0423**	**0.0423**		**0.0399**	**0.0399**		**246.1915**	**246.1915**	**0.0698**		**247.9352**

3.8 Landscaping - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0447	0.0321	0.4330	1.2200e-003	0.1453	8.8000e-004	0.1462	0.0385	8.1000e-004	0.0393		124.6995	124.6995	3.3200e-003	3.2000e-003	125.7376
Total	**0.0447**	**0.0321**	**0.4330**	**1.2200e-003**	**0.1453**	**8.8000e-004**	**0.1462**	**0.0385**	**8.1000e-004**	**0.0393**		**124.6995**	**124.6995**	**3.3200e-003**	**3.2000e-003**	**125.7376**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1202	1.2131	1.5735	2.6300e-003		0.0423	0.0423		0.0399	0.0399	0.0000	246.1915	246.1915	0.0698		247.9352
Total	**0.1202**	**1.2131**	**1.5735**	**2.6300e-003**		**0.0423**	**0.0423**		**0.0399**	**0.0399**	**0.0000**	**246.1915**	**246.1915**	**0.0698**		**247.9352**

3.8 Landscaping - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0447	0.0321	0.4330	1.2200e-003	0.1453	8.8000e-004	0.1462	0.0385	8.1000e-004	0.0393		124.6995	124.6995	3.3200e-003	3.2000e-003	125.7376
Total	**0.0447**	**0.0321**	**0.4330**	**1.2200e-003**	**0.1453**	**8.8000e-004**	**0.1462**	**0.0385**	**8.1000e-004**	**0.0393**		**124.6995**	**124.6995**	**3.3200e-003**	**3.2000e-003**	**125.7376**

3.8 Landscaping - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1174	1.1749	1.5727	2.6400e-003		0.0395	0.0395		0.0374	0.0374		246.2725	246.2725	0.0698		248.0168
Total	**0.1174**	**1.1749**	**1.5727**	**2.6400e-003**		**0.0395**	**0.0395**		**0.0374**	**0.0374**		**246.2725**	**246.2725**	**0.0698**		**248.0168**

3.8 Landscaping - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0418	0.0286	0.4034	1.1800e-003	0.1453	8.4000e-004	0.1462	0.0385	7.7000e-004	0.0393		122.1402	122.1402	3.0100e-003	2.9800e-003	123.1033
Total	**0.0418**	**0.0286**	**0.4034**	**1.1800e-003**	**0.1453**	**8.4000e-004**	**0.1462**	**0.0385**	**7.7000e-004**	**0.0393**		**122.1402**	**122.1402**	**3.0100e-003**	**2.9800e-003**	**123.1033**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1174	1.1749	1.5727	2.6400e-003		0.0395	0.0395		0.0374	0.0374	0.0000	246.2725	246.2725	0.0698		248.0168
Total	**0.1174**	**1.1749**	**1.5727**	**2.6400e-003**		**0.0395**	**0.0395**		**0.0374**	**0.0374**	**0.0000**	**246.2725**	**246.2725**	**0.0698**		**248.0168**

3.8 Landscaping - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0418	0.0286	0.4034	1.1800e-003	0.1453	8.4000e-004	0.1462	0.0385	7.7000e-004	0.0393		122.1402	122.1402	3.0100e-003	2.9800e-003	123.1033
Total	**0.0418**	**0.0286**	**0.4034**	**1.1800e-003**	**0.1453**	**8.4000e-004**	**0.1462**	**0.0385**	**7.7000e-004**	**0.0393**		**122.1402**	**122.1402**	**3.0100e-003**	**2.9800e-003**	**123.1033**

3.9 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9614	17.7866	25.8422	0.0395		0.8725	0.8725		0.8119	0.8119		3,795.4720	3,795.4720	1.1010		3,822.9960
Paving	0.0228					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.9842**	**17.7866**	**25.8422**	**0.0395**		**0.8725**	**0.8725**		**0.8119**	**0.8119**		**3,795.4720**	**3,795.4720**	**1.1010**		**3,822.9960**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.9 Paving - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1062	0.0727	1.0240	3.0100e-003	0.3689	2.1300e-003	0.3710	0.0978	1.9700e-003	0.0998		310.0482	310.0482	7.6400e-003	7.5600e-003	312.4929
Total	**0.1062**	**0.0727**	**1.0240**	**3.0100e-003**	**0.3689**	**2.1300e-003**	**0.3710**	**0.0978**	**1.9700e-003**	**0.0998**		**310.0482**	**310.0482**	**7.6400e-003**	**7.5600e-003**	**312.4929**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9614	17.7866	25.8422	0.0395		0.8725	0.8725		0.8119	0.8119	0.0000	3,795.4720	3,795.4720	1.1010		3,822.9960
Paving	0.0228					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.9842**	**17.7866**	**25.8422**	**0.0395**		**0.8725**	**0.8725**		**0.8119**	**0.8119**	**0.0000**	**3,795.4720**	**3,795.4720**	**1.1010**		**3,822.9960**

3.9 Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1062	0.0727	1.0240	3.0100e-003	0.3689	2.1300e-003	0.3710	0.0978	1.9700e-003	0.0998		310.0482	310.0482	7.6400e-003	7.5600e-003	312.4929
Total	**0.1062**	**0.0727**	**1.0240**	**3.0100e-003**	**0.3689**	**2.1300e-003**	**0.3710**	**0.0978**	**1.9700e-003**	**0.0998**		**310.0482**	**310.0482**	**7.6400e-003**	**7.5600e-003**	**312.4929**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

21611 South Perry Street - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2175	1.2751	11.5823	0.0242	2.6304	0.0183	2.6487	0.7007	0.0170	0.7177		2,513.4096	2,513.4096	0.1829	0.1128	2,551.6077
Unmitigated	1.2175	1.2751	11.5823	0.0242	2.6304	0.0183	2.6487	0.7007	0.0170	0.7177		2,513.4096	2,513.4096	0.1829	0.1128	2,551.6077

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
General Office Building	23.57	5.35	1.69	57,478	57,478
High Turnover (Sit Down Restaurant)	173.88	189.72	221.09	249,244	249,244
Parking Lot	0.00	0.00	0.00		
Strip Mall	31.02	29.43	14.30	54,047	54,047
Unrefrigerated Warehouse-No Rail	189.73	189.73	189.73	813,127	813,127
Total	418.20	414.23	426.82	1,173,896	1,173,896

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
General Office Building	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
High Turnover (Sit Down Restaurant)	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Parking Lot	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Strip Mall	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Unrefrigerated Warehouse-No Rail	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0141	0.1281	0.1076	7.7000e-004		9.7400e-003	9.7400e-003		9.7400e-003	9.7400e-003		153.7237	153.7237	2.9500e-003	2.8200e-003	154.6372
NaturalGas Unmitigated	0.0141	0.1281	0.1076	7.7000e-004		9.7400e-003	9.7400e-003		9.7400e-003	9.7400e-003		153.7237	153.7237	2.9500e-003	2.8200e-003	154.6372

21611 South Perry Street - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	68.4979	7.4000e-004	6.7200e-003	5.6400e-003	4.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004		8.0586	8.0586	1.5000e-004	1.5000e-004	8.1065
High Turnover (Sit Down Restaurant)	978.114	0.0106	0.0959	0.0806	5.8000e-004		7.2900e-003	7.2900e-003		7.2900e-003	7.2900e-003		115.0722	115.0722	2.2100e-003	2.1100e-003	115.7560
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	3.12603	3.0000e-005	3.1000e-004	2.6000e-004	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.3678	0.3678	1.0000e-005	1.0000e-005	0.3700
Unrefrigerated Warehouse-No Rail	256.914	2.7700e-003	0.0252	0.0212	1.5000e-004		1.9100e-003	1.9100e-003		1.9100e-003	1.9100e-003		30.2252	30.2252	5.8000e-004	5.5000e-004	30.4048
Total		**0.0141**	**0.1281**	**0.1076**	**7.7000e-004**		**9.7300e-003**	**9.7300e-003**		**9.7300e-003**	**9.7300e-003**		**153.7237**	**153.7237**	**2.9500e-003**	**2.8200e-003**	**154.6372**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0.0684979	7.4000e-004	6.7200e-003	5.6400e-003	4.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004		8.0586	8.0586	1.5000e-004	1.5000e-004	8.1065
High Turnover (Sit Down Restaurant)	0.978114	0.0106	0.0959	0.0806	5.8000e-004		7.2900e-003	7.2900e-003		7.2900e-003	7.2900e-003		115.0722	115.0722	2.2100e-003	2.1100e-003	115.7560
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.00312603	3.0000e-005	3.1000e-004	2.6000e-004	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.3678	0.3678	1.0000e-005	1.0000e-005	0.3700
Unrefrigerated Warehouse-No Rail	0.256914	2.7700e-003	0.0252	0.0212	1.5000e-004		1.9100e-003	1.9100e-003		1.9100e-003	1.9100e-003		30.2252	30.2252	5.8000e-004	5.5000e-004	30.4048
Total		**0.0141**	**0.1281**	**0.1076**	**7.7000e-004**		**9.7300e-003**	**9.7300e-003**		**9.7300e-003**	**9.7300e-003**		**153.7237**	**153.7237**	**2.9500e-003**	**2.8200e-003**	**154.6372**

6.0 Area Detail

6.1 Mitigation Measures Area

21611 South Perry Street - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.5500	1.4000e-004	0.0158	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0340	0.0340	9.0000e-005		0.0362
Unmitigated	2.5500	1.4000e-004	0.0158	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0340	0.0340	9.0000e-005		0.0362

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2901					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.2585					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4600e-003	1.4000e-004	0.0158	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0340	0.0340	9.0000e-005		0.0362
Total	**2.5500**	**1.4000e-004**	**0.0158**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**		**0.0340**	**0.0340**	**9.0000e-005**		**0.0362**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2901					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.2585					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4600e-003	1.4000e-004	0.0158	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0340	0.0340	9.0000e-005		0.0362
Total	**2.5500**	**1.4000e-004**	**0.0158**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**		**0.0340**	**0.0340**	**9.0000e-005**		**0.0362**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

21611 South Perry Street

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	2.42	1000sqft	0.20	2,425.00	0
Unrefrigerated Warehouse-No Rail	109.04	1000sqft	0.50	109,039.00	0
Parking Lot	41.00	Space	0.20	16,400.00	0
City Park	0.53	Acre	1.50	22,999.68	0
High Turnover (Sit Down Restaurant)	1.55	1000sqft	0.20	1,550.00	0
Strip Mall	0.70	1000sqft	0.20	700.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	210.1	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Updated CO2e

Land Use - See Construction Assumptions

Construction Phase - See Construction Assumptions

Off-road Equipment - See Construction Assumptions

Off-road Equipment - See Construction Assumptions

Off-road Equipment - See Construction Assumptions

Off-road Equipment - See Construction Assumptions

21611 South Perry Street - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Off-road Equipment - See Construction Assumptions

Off-road Equipment - See Construction Assumptions

Off-road Equipment - See Construction Assumptions

Off-road Equipment - See Construction Assumptions

Trips and VMT -

Grading -

Architectural Coating - Landscaping has no VOCs

Vehicle Trips - no VMT for City Park

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	56,857.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	170,571.00	0.00
tblArchitecturalCoating	ConstArea_Parking	984.00	0.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	0.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	0.00
tblArchitecturalCoating	EF_Parking	100.00	0.00
tblArchitecturalCoating	EF_Residential_Exterior	50.00	0.00
tblArchitecturalCoating	EF_Residential_Interior	50.00	0.00
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	10.00	67.00
tblConstructionPhase	NumDays	10.00	67.00
tblConstructionPhase	NumDays	220.00	176.00
tblConstructionPhase	NumDays	6.00	21.00
tblConstructionPhase	NumDays	10.00	23.00
tblConstructionPhase	NumDays	3.00	23.00
tblLandUse	LandUseSquareFeet	2,420.00	2,425.00
tblLandUse	LandUseSquareFeet	109,040.00	109,039.00
tblLandUse	LandUseSquareFeet	23,086.80	22,999.68

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblLandUse	LotAcreage	0.06	0.20
tblLandUse	LotAcreage	2.50	0.50
tblLandUse	LotAcreage	0.37	0.20
tblLandUse	LotAcreage	0.53	1.50
tblLandUse	LotAcreage	0.04	0.20
tblLandUse	LotAcreage	0.02	0.20
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblProjectCharacteristics	CO2IntensityFactor	390.98	210.1
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	WD_TR	0.78	0.00

2.0 Emissions Summary

21611 South Perry Street - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	19.4344	71.4123	70.2950	0.1442	5.5547	3.0838	8.6385	0.7228	2.8934	3.6162	0.0000	13,864.2637	13,864.2637	3.4343	0.0949	13,955.2641
2024	21.3209	45.5256	64.4444	0.1154	1.5350	2.0641	3.5991	0.4107	1.9681	2.3788	0.0000	11,111.6659	11,111.6659	1.9695	0.0994	11,190.5110
Maximum	**21.3209**	**71.4123**	**70.2950**	**0.1442**	**5.5547**	**3.0838**	**8.6385**	**0.7228**	**2.8934**	**3.6162**	**0.0000**	**13,864.2637**	**13,864.2637**	**3.4343**	**0.0994**	**13,955.2641**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	19.4344	71.4123	70.2950	0.1442	2.6436	3.0838	5.7274	0.4085	2.8934	3.3018	0.0000	13,864.2637	13,864.2637	3.4343	0.0949	13,955.2641
2024	21.3209	45.5256	64.4444	0.1154	1.5350	2.0641	3.5991	0.4107	1.9681	2.3788	0.0000	11,111.6659	11,111.6659	1.9695	0.0994	11,190.5110
Maximum	**21.3209**	**71.4123**	**70.2950**	**0.1442**	**2.6436**	**3.0838**	**5.7274**	**0.4107**	**2.8934**	**3.3018**	**0.0000**	**13,864.2637**	**13,864.2637**	**3.4343**	**0.0994**	**13,955.2641**

21611 South Perry Street - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	41.06	0.00	23.79	27.73	0.00	5.24	0.00	0.00	0.00	0.00	0.00	0.00

21611 South Perry Street - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.5500	1.4000e-004	0.0158	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0340	0.0340	9.0000e-005		0.0362
Energy	0.0141	0.1281	0.1076	7.7000e-004		9.7400e-003	9.7400e-003		9.7400e-003	9.7400e-003		153.7237	153.7237	2.9500e-003	2.8200e-003	154.6372
Mobile	1.2175	1.2751	11.5823	0.0242	2.6304	0.0183	2.6487	0.7007	0.0170	0.7177		2,513.4096	2,513.4096	0.1829	0.1128	2,551.6077
Total	**3.7817**	**1.4033**	**11.7057**	**0.0250**	**2.6304**	**0.0281**	**2.6585**	**0.7007**	**0.0268**	**0.7275**		**2,667.1673**	**2,667.1673**	**0.1860**	**0.1157**	**2,706.2811**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.5500	1.4000e-004	0.0158	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0340	0.0340	9.0000e-005		0.0362
Energy	0.0141	0.1281	0.1076	7.7000e-004		9.7400e-003	9.7400e-003		9.7400e-003	9.7400e-003		153.7237	153.7237	2.9500e-003	2.8200e-003	154.6372
Mobile	1.2175	1.2751	11.5823	0.0242	2.6304	0.0183	2.6487	0.7007	0.0170	0.7177		2,513.4096	2,513.4096	0.1829	0.1128	2,551.6077
Total	**3.7817**	**1.4033**	**11.7057**	**0.0250**	**2.6304**	**0.0281**	**2.6585**	**0.7007**	**0.0268**	**0.7275**		**2,667.1673**	**2,667.1673**	**0.1860**	**0.1157**	**2,706.2811**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demo & Site Preparation	Site Preparation	1/1/2023	2/1/2023	5	23	
2	Grading/Excavation	Grading	2/1/2023	3/1/2023	5	21	
3	Drainage/Utilities/Trenching	Trenching	3/1/2023	5/1/2023	5	44	
4	Foundations/Concrete Pour	Trenching	5/1/2023	6/1/2023	5	24	
5	Building Construction	Building Construction	6/1/2023	2/1/2024	5	176	
6	Architectural Coating	Architectural Coating	11/1/2023	2/1/2024	5	67	
7	Landscaping	Architectural Coating	11/1/2023	2/1/2024	5	67	
8	Paving	Paving	1/1/2024	1/31/2024	5	23	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 94.5

Acres of Paving: 0.2

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 170,571; Non-Residential Outdoor: 56,857; Striped Parking Area: 984 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demo & Site Preparation	Air Compressors	2	8.00	78	0.48
Demo & Site Preparation	Dumpers/Tenders	2	8.00	16	0.38
Demo & Site Preparation	Excavators	1	8.00	158	0.38

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Demo & Site Preparation	Generator Sets	1	8.00	84	0.74
Demo & Site Preparation	Skid Steer Loaders	1	8.00	65	0.37
Demo & Site Preparation	Sweepers/Scrubbers	1	8.00	64	0.46
Demo & Site Preparation	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading/Excavation	Concrete/Industrial Saws	1	8.00	81	0.73
Grading/Excavation	Crawler Tractors	2	8.00	212	0.43
Grading/Excavation	Dumpers/Tenders	2	8.00	16	0.38
Grading/Excavation	Excavators	1	8.00	158	0.38
Grading/Excavation	Graders	1	8.00	187	0.41
Grading/Excavation	Plate Compactors	1	8.00	8	0.43
Grading/Excavation	Rollers	1	8.00	80	0.38
Grading/Excavation	Scrapers	3	8.00	367	0.48
Grading/Excavation	Sweepers/Scrubbers	1	8.00	64	0.46
Grading/Excavation	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Drainage/Utilities/Trenching	Air Compressors	1	8.00	78	0.48
Drainage/Utilities/Trenching	Dumpers/Tenders	2	8.00	16	0.38
Drainage/Utilities/Trenching	Excavators	1	8.00	158	0.38
Drainage/Utilities/Trenching	Generator Sets	2	8.00	84	0.74
Drainage/Utilities/Trenching	Plate Compactors	1	8.00	8	0.43
Drainage/Utilities/Trenching	Pumps	1	8.00	84	0.74
Drainage/Utilities/Trenching	Rough Terrain Forklifts	1	8.00	100	0.40
Drainage/Utilities/Trenching	Sweepers/Scrubbers	1	8.00	64	0.46
Drainage/Utilities/Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Foundations/Concrete Pour	Air Compressors	1	8.00	78	0.48
Foundations/Concrete Pour	Concrete/Industrial Saws	1	8.00	81	0.73
Foundations/Concrete Pour	Dumpers/Tenders	2	8.00	16	0.38
Foundations/Concrete Pour	Plate Compactors	1	8.00	8	0.43
Foundations/Concrete Pour	Pumps	1	8.00	84	0.74
Foundations/Concrete Pour	Rough Terrain Forklifts	1	8.00	100	0.40

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Foundations/Concrete Pour	Skid Steer Loaders	1	8.00	65	0.37
Foundations/Concrete Pour	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Air Compressors	2	8.00	78	0.48
Building Construction	Cement and Mortar Mixers	2	8.00	9	0.56
Building Construction	Concrete/Industrial Saws	2	8.00	81	0.73
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Dumpers/Tenders	1	8.00	16	0.38
Building Construction	Forklifts	4	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Pumps	1	8.00	84	0.74
Building Construction	Rough Terrain Forklifts	1	8.00	100	0.40
Architectural Coating	Air Compressors	1	6.00	78	0.48
Architectural Coating	Cement and Mortar Mixers	1	8.00	9	0.56
Architectural Coating	Rough Terrain Forklifts	1	8.00	100	0.40
Landscaping	Dumpers/Tenders	1	6.00	16	0.38
Landscaping	Skid Steer Loaders	1	8.00	65	0.37
Paving	Air Compressors	1	8.00	78	0.48
Paving	Dumpers/Tenders	2	8.00	16	0.38
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	3	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Sweepers/Scrubbers	1	8.00	64	0.46
Paving	Tractors/Loaders/Backhoes	3	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demo & Site Preparation	11	28.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Grading/Excavation	16	40.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Drainage/Utilities/Trenching	12	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Foundations/Concrete Pour	11	28.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	15	64.00	25.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	3	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Landscaping	2	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	13	33.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demo & Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.7970	15.2696	21.4196	0.0340		0.7647	0.7647		0.7317	0.7317		3,233.8499	3,233.8499	0.6476		3,250.0406
Total	**1.7970**	**15.2696**	**21.4196**	**0.0340**	**0.0000**	**0.7647**	**0.7647**	**0.0000**	**0.7317**	**0.7317**		**3,233.8499**	**3,233.8499**	**0.6476**		**3,250.0406**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demo & Site Preparation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0963	0.0691	0.9326	2.6200e-003	0.3130	1.8900e-003	0.3149	0.0830	1.7400e-003	0.0847		268.5835	268.5835	7.1600e-003	6.9000e-003	270.8194
Total	**0.0963**	**0.0691**	**0.9326**	**2.6200e-003**	**0.3130**	**1.8900e-003**	**0.3149**	**0.0830**	**1.7400e-003**	**0.0847**		**268.5835**	**268.5835**	**7.1600e-003**	**6.9000e-003**	**270.8194**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.7970	15.2696	21.4196	0.0340		0.7647	0.7647		0.7317	0.7317	0.0000	3,233.8499	3,233.8499	0.6476		3,250.0406
Total	**1.7970**	**15.2696**	**21.4196**	**0.0340**	**0.0000**	**0.7647**	**0.7647**	**0.0000**	**0.7317**	**0.7317**	**0.0000**	**3,233.8499**	**3,233.8499**	**0.6476**		**3,250.0406**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demo & Site Preparation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0963	0.0691	0.9326	2.6200e-003	0.3130	1.8900e-003	0.3149	0.0830	1.7400e-003	0.0847		268.5835	268.5835	7.1600e-003	6.9000e-003	270.8194
Total	**0.0963**	**0.0691**	**0.9326**	**2.6200e-003**	**0.3130**	**1.8900e-003**	**0.3149**	**0.0830**	**1.7400e-003**	**0.0847**		**268.5835**	**268.5835**	**7.1600e-003**	**6.9000e-003**	**270.8194**

3.3 Grading/Excavation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.7723	0.0000	4.7723	0.5153	0.0000	0.5153			0.0000			0.0000
Off-Road	5.0746	52.4128	41.8462	0.0946		2.1676	2.1676		2.0080	2.0080		9,108.8387	9,108.8387	2.7496		9,177.5786
Total	**5.0746**	**52.4128**	**41.8462**	**0.0946**	**4.7723**	**2.1676**	**6.9398**	**0.5153**	**2.0080**	**2.5233**		**9,108.8387**	**9,108.8387**	**2.7496**		**9,177.5786**

3.3 Grading/Excavation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1376	0.0986	1.3323	3.7500e-003	0.4471	2.7000e-003	0.4498	0.1186	2.4800e-003	0.1211		383.6907	383.6907	0.0102	9.8600e-003	386.8849
Total	**0.1376**	**0.0986**	**1.3323**	**3.7500e-003**	**0.4471**	**2.7000e-003**	**0.4498**	**0.1186**	**2.4800e-003**	**0.1211**		**383.6907**	**383.6907**	**0.0102**	**9.8600e-003**	**386.8849**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.8612	0.0000	1.8612	0.2010	0.0000	0.2010			0.0000			0.0000
Off-Road	5.0746	52.4128	41.8462	0.0946		2.1676	2.1676		2.0080	2.0080	0.0000	9,108.8387	9,108.8387	2.7496		9,177.5786
Total	**5.0746**	**52.4128**	**41.8462**	**0.0946**	**1.8612**	**2.1676**	**4.0288**	**0.2010**	**2.0080**	**2.2090**	**0.0000**	**9,108.8387**	**9,108.8387**	**2.7496**		**9,177.5786**

3.3 Grading/Excavation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1376	0.0986	1.3323	3.7500e-003	0.4471	2.7000e-003	0.4498	0.1186	2.4800e-003	0.1211		383.6907	383.6907	0.0102	9.8600e-003	386.8849
Total	**0.1376**	**0.0986**	**1.3323**	**3.7500e-003**	**0.4471**	**2.7000e-003**	**0.4498**	**0.1186**	**2.4800e-003**	**0.1211**		**383.6907**	**383.6907**	**0.0102**	**9.8600e-003**	**386.8849**

3.4 Drainage/Utilities/Trenching - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1613	18.8269	26.1172	0.0431		0.9115	0.9115		0.8810	0.8810		4,083.9663	4,083.9663	0.6668		4,100.6369
Total	**2.1613**	**18.8269**	**26.1172**	**0.0431**		**0.9115**	**0.9115**		**0.8810**	**0.8810**		**4,083.9663**	**4,083.9663**	**0.6668**		**4,100.6369**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Drainage/Utilities/Trenching - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1032	0.0740	0.9992	2.8100e-003	0.3353	2.0200e-003	0.3374	0.0889	1.8600e-003	0.0908		287.7680	287.7680	7.6700e-003	7.4000e-003	290.1636
Total	**0.1032**	**0.0740**	**0.9992**	**2.8100e-003**	**0.3353**	**2.0200e-003**	**0.3374**	**0.0889**	**1.8600e-003**	**0.0908**		**287.7680**	**287.7680**	**7.6700e-003**	**7.4000e-003**	**290.1636**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1613	18.8269	26.1172	0.0431		0.9115	0.9115		0.8810	0.8810	0.0000	4,083.9663	4,083.9663	0.6668		4,100.6369
Total	**2.1613**	**18.8269**	**26.1172**	**0.0431**		**0.9115**	**0.9115**		**0.8810**	**0.8810**	**0.0000**	**4,083.9663**	**4,083.9663**	**0.6668**		**4,100.6369**

3.4 Drainage/Utilities/Trenching - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1032	0.0740	0.9992	2.8100e-003	0.3353	2.0200e-003	0.3374	0.0889	1.8600e-003	0.0908		287.7680	287.7680	7.6700e-003	7.4000e-003	290.1636
Total	**0.1032**	**0.0740**	**0.9992**	**2.8100e-003**	**0.3353**	**2.0200e-003**	**0.3374**	**0.0889**	**1.8600e-003**	**0.0908**		**287.7680**	**287.7680**	**7.6700e-003**	**7.4000e-003**	**290.1636**

3.5 Foundations/Concrete Pour - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7290	15.1259	20.8762	0.0337		0.7037	0.7037		0.6796	0.6796		3,186.3435	3,186.3435	0.5622		3,200.3992
Total	**1.7290**	**15.1259**	**20.8762**	**0.0337**		**0.7037**	**0.7037**		**0.6796**	**0.6796**		**3,186.3435**	**3,186.3435**	**0.5622**		**3,200.3992**

3.5 Foundations/Concrete Pour - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0963	0.0691	0.9326	2.6200e-003	0.3130	1.8900e-003	0.3149	0.0830	1.7400e-003	0.0847		268.5835	268.5835	7.1600e-003	6.9000e-003	270.8194
Total	**0.0963**	**0.0691**	**0.9326**	**2.6200e-003**	**0.3130**	**1.8900e-003**	**0.3149**	**0.0830**	**1.7400e-003**	**0.0847**		**268.5835**	**268.5835**	**7.1600e-003**	**6.9000e-003**	**270.8194**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7290	15.1259	20.8762	0.0337		0.7037	0.7037		0.6796	0.6796	0.0000	3,186.3435	3,186.3435	0.5622		3,200.3992
Total	**1.7290**	**15.1259**	**20.8762**	**0.0337**		**0.7037**	**0.7037**		**0.6796**	**0.6796**	**0.0000**	**3,186.3435**	**3,186.3435**	**0.5622**		**3,200.3992**

3.5 Foundations/Concrete Pour - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0963	0.0691	0.9326	2.6200e-003	0.3130	1.8900e-003	0.3149	0.0830	1.7400e-003	0.0847		268.5835	268.5835	7.1600e-003	6.9000e-003	270.8194
Total	**0.0963**	**0.0691**	**0.9326**	**2.6200e-003**	**0.3130**	**1.8900e-003**	**0.3149**	**0.0830**	**1.7400e-003**	**0.0847**		**268.5835**	**268.5835**	**7.1600e-003**	**6.9000e-003**	**270.8194**

3.6 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.8192	23.8862	28.5350	0.0503		1.1664	1.1664		1.1334	1.1334		4,754.6322	4,754.6322	0.6325		4,770.4448
Total	**2.8192**	**23.8862**	**28.5350**	**0.0503**		**1.1664**	**1.1664**		**1.1334**	**1.1334**		**4,754.6322**	**4,754.6322**	**0.6325**		**4,770.4448**

3.6 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0278	1.0047	0.3834	4.6600e-003	0.1601	4.8500e-003	0.1650	0.0461	4.6400e-003	0.0508		501.5508	501.5508	0.0167	0.0722	523.4778
Worker	0.2202	0.1578	2.1317	6.0000e-003	0.7154	4.3200e-003	0.7197	0.1897	3.9700e-003	0.1937		613.9051	613.9051	0.0164	0.0158	619.0158
Total	**0.2480**	**1.1625**	**2.5152**	**0.0107**	**0.8755**	**9.1700e-003**	**0.8847**	**0.2358**	**8.6100e-003**	**0.2444**		**1,115.4559**	**1,115.4559**	**0.0331**	**0.0880**	**1,142.4935**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.8192	23.8862	28.5350	0.0503		1.1664	1.1664		1.1334	1.1334	0.0000	4,754.6322	4,754.6322	0.6325		4,770.4448
Total	**2.8192**	**23.8862**	**28.5350**	**0.0503**		**1.1664**	**1.1664**		**1.1334**	**1.1334**	**0.0000**	**4,754.6322**	**4,754.6322**	**0.6325**		**4,770.4448**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0278	1.0047	0.3834	4.6600e-003	0.1601	4.8500e-003	0.1650	0.0461	4.6400e-003	0.0508		501.5508	501.5508	0.0167	0.0722	523.4778
Worker	0.2202	0.1578	2.1317	6.0000e-003	0.7154	4.3200e-003	0.7197	0.1897	3.9700e-003	0.1937		613.9051	613.9051	0.0164	0.0158	619.0158
Total	**0.2480**	**1.1625**	**2.5152**	**0.0107**	**0.8755**	**9.1700e-003**	**0.8847**	**0.2358**	**8.6100e-003**	**0.2444**		**1,115.4559**	**1,115.4559**	**0.0331**	**0.0880**	**1,142.4935**

3.6 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6535	22.3495	28.4298	0.0503		1.0230	1.0230		0.9937	0.9937		4,754.5510	4,754.5510	0.6245		4,770.1625
Total	**2.6535**	**22.3495**	**28.4298**	**0.0503**		**1.0230**	**1.0230**		**0.9937**	**0.9937**		**4,754.5510**	**4,754.5510**	**0.6245**		**4,770.1625**

3.6 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0269	1.0067	0.3754	4.5900e-003	0.1601	4.8800e-003	0.1650	0.0461	4.6700e-003	0.0508		494.0358	494.0358	0.0168	0.0712	515.6631
Worker	0.2059	0.1409	1.9860	5.8300e-003	0.7154	4.1400e-003	0.7195	0.1897	3.8100e-003	0.1935		601.3055	601.3055	0.0148	0.0147	606.0468
Total	**0.2328**	**1.1476**	**2.3614**	**0.0104**	**0.8755**	**9.0200e-003**	**0.8845**	**0.2358**	**8.4800e-003**	**0.2443**		**1,095.3414**	**1,095.3414**	**0.0316**	**0.0858**	**1,121.7099**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6535	22.3495	28.4298	0.0503		1.0230	1.0230		0.9937	0.9937	0.0000	4,754.5510	4,754.5510	0.6245		4,770.1625
Total	**2.6535**	**22.3495**	**28.4298**	**0.0503**		**1.0230**	**1.0230**		**0.9937**	**0.9937**	**0.0000**	**4,754.5510**	**4,754.5510**	**0.6245**		**4,770.1625**

3.6 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0269	1.0067	0.3754	4.5900e-003	0.1601	4.8800e-003	0.1650	0.0461	4.6700e-003	0.0508		494.0358	494.0358	0.0168	0.0712	515.6631
Worker	0.2059	0.1409	1.9860	5.8300e-003	0.7154	4.1400e-003	0.7195	0.1897	3.8100e-003	0.1935		601.3055	601.3055	0.0148	0.0147	606.0468
Total	**0.2328**	**1.1476**	**2.3614**	**0.0104**	**0.8755**	**9.0200e-003**	**0.8845**	**0.2358**	**8.4800e-003**	**0.2443**		**1,095.3414**	**1,095.3414**	**0.0316**	**0.0858**	**1,121.7099**

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.8013					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3562	3.0706	4.4068	7.1300e-003		0.1301	0.1301		0.1265	0.1265		665.7678	665.7678	0.1300		669.0189
Total	**16.1575**	**3.0706**	**4.4068**	**7.1300e-003**		**0.1301**	**0.1301**		**0.1265**	**0.1265**		**665.7678**	**665.7678**	**0.1300**		**669.0189**

3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0447	0.0321	0.4330	1.2200e-003	0.1453	8.8000e-004	0.1462	0.0385	8.1000e-004	0.0393		124.6995	124.6995	3.3200e-003	3.2000e-003	125.7376
Total	**0.0447**	**0.0321**	**0.4330**	**1.2200e-003**	**0.1453**	**8.8000e-004**	**0.1462**	**0.0385**	**8.1000e-004**	**0.0393**		**124.6995**	**124.6995**	**3.3200e-003**	**3.2000e-003**	**125.7376**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.8013					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3562	3.0706	4.4068	7.1300e-003		0.1301	0.1301		0.1265	0.1265	0.0000	665.7678	665.7678	0.1300		669.0189
Total	**16.1575**	**3.0706**	**4.4068**	**7.1300e-003**		**0.1301**	**0.1301**		**0.1265**	**0.1265**	**0.0000**	**665.7678**	**665.7678**	**0.1300**		**669.0189**

3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0447	0.0321	0.4330	1.2200e-003	0.1453	8.8000e-004	0.1462	0.0385	8.1000e-004	0.0393		124.6995	124.6995	3.3200e-003	3.2000e-003	125.7376
Total	**0.0447**	**0.0321**	**0.4330**	**1.2200e-003**	**0.1453**	**8.8000e-004**	**0.1462**	**0.0385**	**8.1000e-004**	**0.0393**		**124.6995**	**124.6995**	**3.3200e-003**	**3.2000e-003**	**125.7376**

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.8013					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3419	2.9372	4.4075	7.1300e-003		0.1164	0.1164		0.1131	0.1131		665.7006	665.7006	0.1290		668.9263
Total	**16.1433**	**2.9372**	**4.4075**	**7.1300e-003**		**0.1164**	**0.1164**		**0.1131**	**0.1131**		**665.7006**	**665.7006**	**0.1290**		**668.9263**

3.7 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0418	0.0286	0.4034	1.1800e-003	0.1453	8.4000e-004	0.1462	0.0385	7.7000e-004	0.0393		122.1402	122.1402	3.0100e-003	2.9800e-003	123.1033
Total	**0.0418**	**0.0286**	**0.4034**	**1.1800e-003**	**0.1453**	**8.4000e-004**	**0.1462**	**0.0385**	**7.7000e-004**	**0.0393**		**122.1402**	**122.1402**	**3.0100e-003**	**2.9800e-003**	**123.1033**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.8013					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3419	2.9372	4.4075	7.1300e-003		0.1164	0.1164		0.1131	0.1131	0.0000	665.7006	665.7006	0.1290		668.9263
Total	**16.1433**	**2.9372**	**4.4075**	**7.1300e-003**		**0.1164**	**0.1164**		**0.1131**	**0.1131**	**0.0000**	**665.7006**	**665.7006**	**0.1290**		**668.9263**

3.7 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0418	0.0286	0.4034	1.1800e-003	0.1453	8.4000e-004	0.1462	0.0385	7.7000e-004	0.0393		122.1402	122.1402	3.0100e-003	2.9800e-003	123.1033
Total	**0.0418**	**0.0286**	**0.4034**	**1.1800e-003**	**0.1453**	**8.4000e-004**	**0.1462**	**0.0385**	**7.7000e-004**	**0.0393**		**122.1402**	**122.1402**	**3.0100e-003**	**2.9800e-003**	**123.1033**

3.8 Landscaping - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1202	1.2131	1.5735	2.6300e-003		0.0423	0.0423		0.0399	0.0399		246.1915	246.1915	0.0698		247.9352
Total	**0.1202**	**1.2131**	**1.5735**	**2.6300e-003**		**0.0423**	**0.0423**		**0.0399**	**0.0399**		**246.1915**	**246.1915**	**0.0698**		**247.9352**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.8 Landscaping - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0447	0.0321	0.4330	1.2200e-003	0.1453	8.8000e-004	0.1462	0.0385	8.1000e-004	0.0393		124.6995	124.6995	3.3200e-003	3.2000e-003	125.7376
Total	**0.0447**	**0.0321**	**0.4330**	**1.2200e-003**	**0.1453**	**8.8000e-004**	**0.1462**	**0.0385**	**8.1000e-004**	**0.0393**		**124.6995**	**124.6995**	**3.3200e-003**	**3.2000e-003**	**125.7376**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1202	1.2131	1.5735	2.6300e-003		0.0423	0.0423		0.0399	0.0399	0.0000	246.1915	246.1915	0.0698		247.9352
Total	**0.1202**	**1.2131**	**1.5735**	**2.6300e-003**		**0.0423**	**0.0423**		**0.0399**	**0.0399**	**0.0000**	**246.1915**	**246.1915**	**0.0698**		**247.9352**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.8 Landscaping - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0447	0.0321	0.4330	1.2200e-003	0.1453	8.8000e-004	0.1462	0.0385	8.1000e-004	0.0393		124.6995	124.6995	3.3200e-003	3.2000e-003	125.7376
Total	**0.0447**	**0.0321**	**0.4330**	**1.2200e-003**	**0.1453**	**8.8000e-004**	**0.1462**	**0.0385**	**8.1000e-004**	**0.0393**		**124.6995**	**124.6995**	**3.3200e-003**	**3.2000e-003**	**125.7376**

3.8 Landscaping - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1174	1.1749	1.5727	2.6400e-003		0.0395	0.0395		0.0374	0.0374		246.2725	246.2725	0.0698		248.0168
Total	**0.1174**	**1.1749**	**1.5727**	**2.6400e-003**		**0.0395**	**0.0395**		**0.0374**	**0.0374**		**246.2725**	**246.2725**	**0.0698**		**248.0168**

3.8 Landscaping - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0418	0.0286	0.4034	1.1800e-003	0.1453	8.4000e-004	0.1462	0.0385	7.7000e-004	0.0393		122.1402	122.1402	3.0100e-003	2.9800e-003	123.1033
Total	**0.0418**	**0.0286**	**0.4034**	**1.1800e-003**	**0.1453**	**8.4000e-004**	**0.1462**	**0.0385**	**7.7000e-004**	**0.0393**		**122.1402**	**122.1402**	**3.0100e-003**	**2.9800e-003**	**123.1033**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1174	1.1749	1.5727	2.6400e-003		0.0395	0.0395		0.0374	0.0374	0.0000	246.2725	246.2725	0.0698		248.0168
Total	**0.1174**	**1.1749**	**1.5727**	**2.6400e-003**		**0.0395**	**0.0395**		**0.0374**	**0.0374**	**0.0000**	**246.2725**	**246.2725**	**0.0698**		**248.0168**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.8 Landscaping - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0418	0.0286	0.4034	1.1800e-003	0.1453	8.4000e-004	0.1462	0.0385	7.7000e-004	0.0393		122.1402	122.1402	3.0100e-003	2.9800e-003	123.1033
Total	**0.0418**	**0.0286**	**0.4034**	**1.1800e-003**	**0.1453**	**8.4000e-004**	**0.1462**	**0.0385**	**7.7000e-004**	**0.0393**		**122.1402**	**122.1402**	**3.0100e-003**	**2.9800e-003**	**123.1033**

3.9 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9614	17.7866	25.8422	0.0395		0.8725	0.8725		0.8119	0.8119		3,795.4720	3,795.4720	1.1010		3,822.9960
Paving	0.0228					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.9842**	**17.7866**	**25.8422**	**0.0395**		**0.8725**	**0.8725**		**0.8119**	**0.8119**		**3,795.4720**	**3,795.4720**	**1.1010**		**3,822.9960**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.9 Paving - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1062	0.0727	1.0240	3.0100e-003	0.3689	2.1300e-003	0.3710	0.0978	1.9700e-003	0.0998		310.0482	310.0482	7.6400e-003	7.5600e-003	312.4929
Total	**0.1062**	**0.0727**	**1.0240**	**3.0100e-003**	**0.3689**	**2.1300e-003**	**0.3710**	**0.0978**	**1.9700e-003**	**0.0998**		**310.0482**	**310.0482**	**7.6400e-003**	**7.5600e-003**	**312.4929**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9614	17.7866	25.8422	0.0395		0.8725	0.8725		0.8119	0.8119	0.0000	3,795.4720	3,795.4720	1.1010		3,822.9960
Paving	0.0228					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.9842**	**17.7866**	**25.8422**	**0.0395**		**0.8725**	**0.8725**		**0.8119**	**0.8119**	**0.0000**	**3,795.4720**	**3,795.4720**	**1.1010**		**3,822.9960**

3.9 Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1062	0.0727	1.0240	3.0100e-003	0.3689	2.1300e-003	0.3710	0.0978	1.9700e-003	0.0998		310.0482	310.0482	7.6400e-003	7.5600e-003	312.4929
Total	**0.1062**	**0.0727**	**1.0240**	**3.0100e-003**	**0.3689**	**2.1300e-003**	**0.3710**	**0.0978**	**1.9700e-003**	**0.0998**		**310.0482**	**310.0482**	**7.6400e-003**	**7.5600e-003**	**312.4929**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

21611 South Perry Street - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2175	1.2751	11.5823	0.0242	2.6304	0.0183	2.6487	0.7007	0.0170	0.7177		2,513.4096	2,513.4096	0.1829	0.1128	2,551.6077
Unmitigated	1.2175	1.2751	11.5823	0.0242	2.6304	0.0183	2.6487	0.7007	0.0170	0.7177		2,513.4096	2,513.4096	0.1829	0.1128	2,551.6077

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
General Office Building	23.57	5.35	1.69	57,478	57,478
High Turnover (Sit Down Restaurant)	173.88	189.72	221.09	249,244	249,244
Parking Lot	0.00	0.00	0.00		
Strip Mall	31.02	29.43	14.30	54,047	54,047
Unrefrigerated Warehouse-No Rail	189.73	189.73	189.73	813,127	813,127
Total	418.20	414.23	426.82	1,173,896	1,173,896

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
General Office Building	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
High Turnover (Sit Down Restaurant)	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Parking Lot	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Strip Mall	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Unrefrigerated Warehouse-No Rail	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0141	0.1281	0.1076	7.7000e-004		9.7400e-003	9.7400e-003		9.7400e-003	9.7400e-003		153.7237	153.7237	2.9500e-003	2.8200e-003	154.6372
NaturalGas Unmitigated	0.0141	0.1281	0.1076	7.7000e-004		9.7400e-003	9.7400e-003		9.7400e-003	9.7400e-003		153.7237	153.7237	2.9500e-003	2.8200e-003	154.6372

21611 South Perry Street - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	68.4979	7.4000e-004	6.7200e-003	5.6400e-003	4.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004		8.0586	8.0586	1.5000e-004	1.5000e-004	8.1065
High Turnover (Sit Down Restaurant)	978.114	0.0106	0.0959	0.0806	5.8000e-004		7.2900e-003	7.2900e-003		7.2900e-003	7.2900e-003		115.0722	115.0722	2.2100e-003	2.1100e-003	115.7560
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	3.12603	3.0000e-005	3.1000e-004	2.6000e-004	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.3678	0.3678	1.0000e-005	1.0000e-005	0.3700
Unrefrigerated Warehouse-No Rail	256.914	2.7700e-003	0.0252	0.0212	1.5000e-004		1.9100e-003	1.9100e-003		1.9100e-003	1.9100e-003		30.2252	30.2252	5.8000e-004	5.5000e-004	30.4048
Total		**0.0141**	**0.1281**	**0.1076**	**7.7000e-004**		**9.7300e-003**	**9.7300e-003**		**9.7300e-003**	**9.7300e-003**		**153.7237**	**153.7237**	**2.9500e-003**	**2.8200e-003**	**154.6372**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0.0684979	7.4000e-004	6.7200e-003	5.6400e-003	4.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004		8.0586	8.0586	1.5000e-004	1.5000e-004	8.1065
High Turnover (Sit Down Restaurant)	0.978114	0.0106	0.0959	0.0806	5.8000e-004		7.2900e-003	7.2900e-003		7.2900e-003	7.2900e-003		115.0722	115.0722	2.2100e-003	2.1100e-003	115.7560
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.00312603	3.0000e-005	3.1000e-004	2.6000e-004	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.3678	0.3678	1.0000e-005	1.0000e-005	0.3700
Unrefrigerated Warehouse-No Rail	0.256914	2.7700e-003	0.0252	0.0212	1.5000e-004		1.9100e-003	1.9100e-003		1.9100e-003	1.9100e-003		30.2252	30.2252	5.8000e-004	5.5000e-004	30.4048
Total		**0.0141**	**0.1281**	**0.1076**	**7.7000e-004**		**9.7300e-003**	**9.7300e-003**		**9.7300e-003**	**9.7300e-003**		**153.7237**	**153.7237**	**2.9500e-003**	**2.8200e-003**	**154.6372**

6.0 Area Detail

6.1 Mitigation Measures Area

21611 South Perry Street - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.5500	1.4000e-004	0.0158	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0340	0.0340	9.0000e-005		0.0362
Unmitigated	2.5500	1.4000e-004	0.0158	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0340	0.0340	9.0000e-005		0.0362

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2901					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.2585					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4600e-003	1.4000e-004	0.0158	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0340	0.0340	9.0000e-005		0.0362
Total	**2.5500**	**1.4000e-004**	**0.0158**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**		**0.0340**	**0.0340**	**9.0000e-005**		**0.0362**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2901					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.2585					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4600e-003	1.4000e-004	0.0158	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0340	0.0340	9.0000e-005		0.0362
Total	**2.5500**	**1.4000e-004**	**0.0158**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**		**0.0340**	**0.0340**	**9.0000e-005**		**0.0362**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation