

Los Osos Hypothetical Mixed-Use Project - San Luis Obispo County, **Annual**

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

Los Osos Hypothetical Mixed-Use Project

San Luis Obispo County, **Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	3.25	1000sqft	0.07	3,250.00	0
Day-Care Center	2.00	1000sqft	0.05	2,000.00	0
Parking Lot	100.00	Space	0.90	40,000.00	0
Fast Food Restaurant w/o Drive Thru	2.50	1000sqft	0.06	2,500.00	0
Fast Food Restaurant w/o Drive Thru	2.50	1000sqft	0.06	2,500.00	0
Condo/Townhouse	80.00	Dwelling Unit	5.00	80,000.00	229

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2024
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Table Name	Column Name	Default Value	New Value
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2.0 Emissions Summary

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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	0.2468	2.1283	2.3823	4.6400e-003	0.2594	0.0980	0.3574	0.1090	0.0918	0.2008	0.0000	408.5345	408.5345	0.0833	5.5800e-003	412.2796
2024	1.4105	0.2582	0.3643	6.5000e-004	0.0117	0.0118	0.0235	3.1200e-003	0.0111	0.0142	0.0000	57.7052	57.7052	0.0127	5.9000e-004	58.1987
Maximum	1.4105	2.1283	2.3823	4.6400e-003	0.2594	0.0980	0.3574	0.1090	0.0918	0.2008	0.0000	408.5345	408.5345	0.0833	5.5800e-003	412.2796

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	0.2468	2.1283	2.3823	4.6400e-003	0.2594	0.0980	0.3574	0.1090	0.0918	0.2008	0.0000	408.5341	408.5341	0.0833	5.5800e-003	412.2792
2024	1.4105	0.2582	0.3643	6.5000e-004	0.0117	0.0118	0.0235	3.1200e-003	0.0111	0.0142	0.0000	57.7051	57.7051	0.0127	5.9000e-004	58.1986
Maximum	1.4105	2.1283	2.3823	4.6400e-003	0.2594	0.0980	0.3574	0.1090	0.0918	0.2008	0.0000	408.5341	408.5341	0.0833	5.5800e-003	412.2792

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-3-2023	4-2-2023	0.7096	0.7096
2	4-3-2023	7-2-2023	0.5547	0.5547
3	7-3-2023	10-2-2023	0.5609	0.5609
4	10-3-2023	1-2-2024	0.5623	0.5623
5	1-3-2024	4-2-2024	1.6553	1.6553
		Highest	1.6553	1.6553

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	0.5258	0.0126	1.0904	6.0000e-005		6.0400e-003	6.0400e-003		6.0400e-003	6.0400e-003	0.0000	1.7825	1.7825	1.7200e-003	0.0000	1.8254
Energy	0.0135	0.1188	0.0734	7.4000e-004		9.3400e-003	9.3400e-003		9.3400e-003	9.3400e-003	0.0000	191.9409	191.9409	0.0120	3.5900e-003	193.3111
Mobile	1.2236	1.3726	8.9290	0.0147	1.4815	0.0151	1.4966	0.3960	0.0142	0.4102	0.0000	1,380.9638	1,380.9638	0.1228	0.0839	1,409.0242
Waste						0.0000	0.0000		0.0000	0.0000	20.3011	0.0000	20.3011	1.1998	0.0000	50.2952
Water						0.0000	0.0000		0.0000	0.0000	2.3456	4.9831	7.3286	0.2417	5.7900e-003	15.0959
Total	1.7629	1.5040	10.0928	0.0155	1.4815	0.0305	1.5120	0.3960	0.0296	0.4256	22.6467	1,579.6702	1,602.3169	1.5780	0.0932	1,669.5518

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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	0.5258	0.0126	1.0904	6.0000e-005		6.0400e-003	6.0400e-003		6.0400e-003	6.0400e-003	0.0000	1.7825	1.7825	1.7200e-003	0.0000	1.8254
Energy	0.0135	0.1188	0.0734	7.4000e-004		9.3400e-003	9.3400e-003		9.3400e-003	9.3400e-003	0.0000	191.9409	191.9409	0.0120	3.5900e-003	193.3111
Mobile	1.2236	1.3726	8.9290	0.0147	1.4815	0.0151	1.4966	0.3960	0.0142	0.4102	0.0000	1,380.9638	1,380.9638	0.1228	0.0839	1,409.0242
Waste						0.0000	0.0000		0.0000	0.0000	20.3011	0.0000	20.3011	1.1998	0.0000	50.2952
Water						0.0000	0.0000		0.0000	0.0000	2.3456	4.9831	7.3286	0.2417	5.7900e-003	15.0959
Total	1.7629	1.5040	10.0928	0.0155	1.4815	0.0305	1.5120	0.3960	0.0296	0.4256	22.6467	1,579.6702	1,602.3169	1.5780	0.0932	1,669.5518

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	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	Demolition	Demolition	1/3/2023	1/30/2023	5	20	
2	Site Preparation	Site Preparation	1/31/2023	2/13/2023	5	10	
3	Grading	Grading	2/14/2023	3/13/2023	5	20	

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4	Building Construction	Building Construction	3/14/2023	1/29/2024	5	230
5	Paving	Paving	1/30/2024	2/26/2024	5	20
6	Architectural Coating	Architectural Coating	2/27/2024	3/25/2024	5	20

Acres of Grading (Site Preparation Phase): 15

Acres of Grading (Grading Phase): 20

Acres of Paving: 0.9

Residential Indoor: 162,000; Residential Outdoor: 54,000; Non-Residential Indoor: 15,375; Non-Residential Outdoor: 5,125; Striped Parking Area: 2,400 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	7.00	231	0.29
Demolition	Excavators	3	8.00	158	0.38
Grading	Excavators	1	8.00	158	0.38
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

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Building Construction	Welders	1	8.00	46	0.45
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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
Demolition	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	78.00	17.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	16.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 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	0.0227	0.2148	0.1964	3.9000e-004		9.9800e-003	9.9800e-003		9.2800e-003	9.2800e-003	0.0000	33.9921	33.9921	9.5200e-003	0.0000	34.2301
Total	0.0227	0.2148	0.1964	3.9000e-004		9.9800e-003	9.9800e-003		9.2800e-003	9.2800e-003	0.0000	33.9921	33.9921	9.5200e-003	0.0000	34.2301

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3.2 Demolition - 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	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	4.8000e-004	3.5000e-004	3.9700e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1221	1.1221	3.0000e-005	3.0000e-005	1.1323
Total	4.8000e-004	3.5000e-004	3.9700e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1221	1.1221	3.0000e-005	3.0000e-005	1.1323

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	0.0227	0.2148	0.1964	3.9000e-004		9.9800e-003	9.9800e-003		9.2800e-003	9.2800e-003	0.0000	33.9920	33.9920	9.5200e-003	0.0000	34.2300
Total	0.0227	0.2148	0.1964	3.9000e-004		9.9800e-003	9.9800e-003		9.2800e-003	9.2800e-003	0.0000	33.9920	33.9920	9.5200e-003	0.0000	34.2300

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3.2 Demolition - 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	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	4.8000e-004	3.5000e-004	3.9700e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1221	1.1221	3.0000e-005	3.0000e-005	1.1323
Total	4.8000e-004	3.5000e-004	3.9700e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1221	1.1221	3.0000e-005	3.0000e-005	1.1323

3.3 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					0.0983	0.0000	0.0983	0.0505	0.0000	0.0505	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0133	0.1376	0.0912	1.9000e-004		6.3300e-003	6.3300e-003		5.8200e-003	5.8200e-003	0.0000	16.7254	16.7254	5.4100e-003	0.0000	16.8606
Total	0.0133	0.1376	0.0912	1.9000e-004	0.0983	6.3300e-003	0.1046	0.0505	5.8200e-003	0.0563	0.0000	16.7254	16.7254	5.4100e-003	0.0000	16.8606

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3.3 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	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	2.9000e-004	2.1000e-004	2.3800e-003	1.0000e-005	8.7000e-004	0.0000	8.7000e-004	2.3000e-004	0.0000	2.3000e-004	0.0000	0.6732	0.6732	2.0000e-005	2.0000e-005	0.6794
Total	2.9000e-004	2.1000e-004	2.3800e-003	1.0000e-005	8.7000e-004	0.0000	8.7000e-004	2.3000e-004	0.0000	2.3000e-004	0.0000	0.6732	0.6732	2.0000e-005	2.0000e-005	0.6794

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					0.0983	0.0000	0.0983	0.0505	0.0000	0.0505	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0133	0.1376	0.0912	1.9000e-004		6.3300e-003	6.3300e-003		5.8200e-003	5.8200e-003	0.0000	16.7253	16.7253	5.4100e-003	0.0000	16.8606
Total	0.0133	0.1376	0.0912	1.9000e-004	0.0983	6.3300e-003	0.1046	0.0505	5.8200e-003	0.0563	0.0000	16.7253	16.7253	5.4100e-003	0.0000	16.8606

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3.3 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	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	2.9000e-004	2.1000e-004	2.3800e-003	1.0000e-005	8.7000e-004	0.0000	8.7000e-004	2.3000e-004	0.0000	2.3000e-004	0.0000	0.6732	0.6732	2.0000e-005	2.0000e-005	0.6794
Total	2.9000e-004	2.1000e-004	2.3800e-003	1.0000e-005	8.7000e-004	0.0000	8.7000e-004	2.3000e-004	0.0000	2.3000e-004	0.0000	0.6732	0.6732	2.0000e-005	2.0000e-005	0.6794

3.4 Grading - 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					0.0708	0.0000	0.0708	0.0343	0.0000	0.0343	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0171	0.1794	0.1475	3.0000e-004		7.7500e-003	7.7500e-003		7.1300e-003	7.1300e-003	0.0000	26.0606	26.0606	8.4300e-003	0.0000	26.2713
Total	0.0171	0.1794	0.1475	3.0000e-004	0.0708	7.7500e-003	0.0786	0.0343	7.1300e-003	0.0414	0.0000	26.0606	26.0606	8.4300e-003	0.0000	26.2713

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3.4 Grading - 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	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	4.8000e-004	3.5000e-004	3.9700e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1221	1.1221	3.0000e-005	3.0000e-005	1.1323
Total	4.8000e-004	3.5000e-004	3.9700e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1221	1.1221	3.0000e-005	3.0000e-005	1.1323

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					0.0708	0.0000	0.0708	0.0343	0.0000	0.0343	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0171	0.1794	0.1475	3.0000e-004		7.7500e-003	7.7500e-003		7.1300e-003	7.1300e-003	0.0000	26.0606	26.0606	8.4300e-003	0.0000	26.2713
Total	0.0171	0.1794	0.1475	3.0000e-004	0.0708	7.7500e-003	0.0786	0.0343	7.1300e-003	0.0414	0.0000	26.0606	26.0606	8.4300e-003	0.0000	26.2713

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3.4 Grading - 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	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	4.8000e-004	3.5000e-004	3.9700e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1221	1.1221	3.0000e-005	3.0000e-005	1.1323
Total	4.8000e-004	3.5000e-004	3.9700e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1221	1.1221	3.0000e-005	3.0000e-005	1.1323

3.5 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	0.1644	1.5032	1.6975	2.8200e-003		0.0731	0.0731		0.0688	0.0688	0.0000	242.2360	242.2360	0.0576	0.0000	243.6766
Total	0.1644	1.5032	1.6975	2.8200e-003		0.0731	0.0731		0.0688	0.0688	0.0000	242.2360	242.2360	0.0576	0.0000	243.6766

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3.5 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	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	2.0800e-003	0.0734	0.0236	2.6000e-004	8.0800e-003	4.2000e-004	8.4900e-003	2.3300e-003	4.0000e-004	2.7300e-003	0.0000	25.6303	25.6303	5.7000e-004	3.7700e-003	26.7667
Worker	0.0260	0.0189	0.2158	6.6000e-004	0.0785	3.9000e-004	0.0789	0.0209	3.6000e-004	0.0212	0.0000	60.9728	60.9728	1.6800e-003	1.7300e-003	61.5303
Total	0.0281	0.0923	0.2393	9.2000e-004	0.0866	8.1000e-004	0.0874	0.0232	7.6000e-004	0.0239	0.0000	86.6031	86.6031	2.2500e-003	5.5000e-003	88.2970

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	0.1644	1.5032	1.6975	2.8200e-003		0.0731	0.0731		0.0688	0.0688	0.0000	242.2357	242.2357	0.0576	0.0000	243.6763
Total	0.1644	1.5032	1.6975	2.8200e-003		0.0731	0.0731		0.0688	0.0688	0.0000	242.2357	242.2357	0.0576	0.0000	243.6763

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3.5 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	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	2.0800e-003	0.0734	0.0236	2.6000e-004	8.0800e-003	4.2000e-004	8.4900e-003	2.3300e-003	4.0000e-004	2.7300e-003	0.0000	25.6303	25.6303	5.7000e-004	3.7700e-003	26.7667
Worker	0.0260	0.0189	0.2158	6.6000e-004	0.0785	3.9000e-004	0.0789	0.0209	3.6000e-004	0.0212	0.0000	60.9728	60.9728	1.6800e-003	1.7300e-003	61.5303
Total	0.0281	0.0923	0.2393	9.2000e-004	0.0866	8.1000e-004	0.0874	0.0232	7.6000e-004	0.0239	0.0000	86.6031	86.6031	2.2500e-003	5.5000e-003	88.2970

3.5 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	0.0155	0.1412	0.1698	2.8000e-004		6.4400e-003	6.4400e-003		6.0600e-003	6.0600e-003	0.0000	24.3442	24.3442	5.7600e-003	0.0000	24.4881
Total	0.0155	0.1412	0.1698	2.8000e-004		6.4400e-003	6.4400e-003		6.0600e-003	6.0600e-003	0.0000	24.3442	24.3442	5.7600e-003	0.0000	24.4881

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3.5 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	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	2.0000e-004	7.2400e-003	2.3200e-003	3.0000e-005	8.1000e-004	4.0000e-005	8.5000e-004	2.3000e-004	4.0000e-005	2.7000e-004	0.0000	2.5357	2.5357	6.0000e-005	3.7000e-004	2.6481
Worker	2.4600e-003	1.6900e-003	0.0202	6.0000e-005	7.8800e-003	4.0000e-005	7.9200e-003	2.1000e-003	3.0000e-005	2.1300e-003	0.0000	5.9815	5.9815	1.5000e-004	1.6000e-004	6.0335
Total	2.6600e-003	8.9300e-003	0.0225	9.0000e-005	8.6900e-003	8.0000e-005	8.7700e-003	2.3300e-003	7.0000e-005	2.4000e-003	0.0000	8.5172	8.5172	2.1000e-004	5.3000e-004	8.6816

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	0.0155	0.1412	0.1698	2.8000e-004		6.4400e-003	6.4400e-003		6.0600e-003	6.0600e-003	0.0000	24.3441	24.3441	5.7600e-003	0.0000	24.4880
Total	0.0155	0.1412	0.1698	2.8000e-004		6.4400e-003	6.4400e-003		6.0600e-003	6.0600e-003	0.0000	24.3441	24.3441	5.7600e-003	0.0000	24.4880

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3.5 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	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	2.0000e-004	7.2400e-003	2.3200e-003	3.0000e-005	8.1000e-004	4.0000e-005	8.5000e-004	2.3000e-004	4.0000e-005	2.7000e-004	0.0000	2.5357	2.5357	6.0000e-005	3.7000e-004	2.6481
Worker	2.4600e-003	1.6900e-003	0.0202	6.0000e-005	7.8800e-003	4.0000e-005	7.9200e-003	2.1000e-003	3.0000e-005	2.1300e-003	0.0000	5.9815	5.9815	1.5000e-004	1.6000e-004	6.0335
Total	2.6600e-003	8.9300e-003	0.0225	9.0000e-005	8.6900e-003	8.0000e-005	8.7700e-003	2.3300e-003	7.0000e-005	2.4000e-003	0.0000	8.5172	8.5172	2.1000e-004	5.3000e-004	8.6816

3.6 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	9.8800e-003	0.0953	0.1463	2.3000e-004		4.6900e-003	4.6900e-003		4.3100e-003	4.3100e-003	0.0000	20.0265	20.0265	6.4800e-003	0.0000	20.1885
Paving	1.1800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0111	0.0953	0.1463	2.3000e-004		4.6900e-003	4.6900e-003		4.3100e-003	4.3100e-003	0.0000	20.0265	20.0265	6.4800e-003	0.0000	20.1885

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3.6 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	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	4.5000e-004	3.1000e-004	3.7000e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.0955	1.0955	3.0000e-005	3.0000e-005	1.1050
Total	4.5000e-004	3.1000e-004	3.7000e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.0955	1.0955	3.0000e-005	3.0000e-005	1.1050

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	9.8800e-003	0.0953	0.1463	2.3000e-004		4.6900e-003	4.6900e-003		4.3100e-003	4.3100e-003	0.0000	20.0265	20.0265	6.4800e-003	0.0000	20.1884
Paving	1.1800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0111	0.0953	0.1463	2.3000e-004		4.6900e-003	4.6900e-003		4.3100e-003	4.3100e-003	0.0000	20.0265	20.0265	6.4800e-003	0.0000	20.1884

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3.6 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	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	4.5000e-004	3.1000e-004	3.7000e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.0955	1.0955	3.0000e-005	3.0000e-005	1.1050
Total	4.5000e-004	3.1000e-004	3.7000e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.0955	1.0955	3.0000e-005	3.0000e-005	1.1050

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	1.3786					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.8100e-003	0.0122	0.0181	3.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	2.5533	2.5533	1.4000e-004	0.0000	2.5569
Total	1.3804	0.0122	0.0181	3.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	2.5533	2.5533	1.4000e-004	0.0000	2.5569

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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	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	4.8000e-004	3.3000e-004	3.9400e-003	1.0000e-005	1.5400e-003	1.0000e-005	1.5500e-003	4.1000e-004	1.0000e-005	4.2000e-004	0.0000	1.1686	1.1686	3.0000e-005	3.0000e-005	1.1787
Total	4.8000e-004	3.3000e-004	3.9400e-003	1.0000e-005	1.5400e-003	1.0000e-005	1.5500e-003	4.1000e-004	1.0000e-005	4.2000e-004	0.0000	1.1686	1.1686	3.0000e-005	3.0000e-005	1.1787

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	1.3786					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.8100e-003	0.0122	0.0181	3.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	2.5533	2.5533	1.4000e-004	0.0000	2.5568
Total	1.3804	0.0122	0.0181	3.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	2.5533	2.5533	1.4000e-004	0.0000	2.5568

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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	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	4.8000e-004	3.3000e-004	3.9400e-003	1.0000e-005	1.5400e-003	1.0000e-005	1.5500e-003	4.1000e-004	1.0000e-005	4.2000e-004	0.0000	1.1686	1.1686	3.0000e-005	3.0000e-005	1.1787
Total	4.8000e-004	3.3000e-004	3.9400e-003	1.0000e-005	1.5400e-003	1.0000e-005	1.5500e-003	4.1000e-004	1.0000e-005	4.2000e-004	0.0000	1.1686	1.1686	3.0000e-005	3.0000e-005	1.1787

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	ROG	NOx	CO	SO2	Fugitive 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	1.2236	1.3726	8.9290	0.0147	1.4815	0.0151	1.4966	0.3960	0.0142	0.4102	0.0000	1,380.9638	1,380.9638	0.1228	0.0839	1,409.0242
Unmitigated	1.2236	1.3726	8.9290	0.0147	1.4815	0.0151	1.4966	0.3960	0.0142	0.4102	0.0000	1,380.9638	1,380.9638	0.1228	0.0839	1,409.0242

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse	585.60	651.20	502.40	1,481,946	1,481,946
Day-Care Center	95.24	12.44	11.68	66,884	66,884
Fast Food Restaurant w/o Drive Thru	865.58	1,740.00	1250.00	1,178,424	1,178,424
Fast Food Restaurant w/o Drive Thru	865.58	1,740.00	1250.00	1,178,424	1,178,424
General Office Building	31.66	7.18	2.28	54,510	54,510
Parking Lot	0.00	0.00	0.00		
Total	2,443.65	4,150.82	3,016.36	3,960,187	3,960,187

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	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
Condo/Townhouse	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3
Day-Care Center	13.00	5.00	5.00	12.70	82.30	5.00	28	58	14
Fast Food Restaurant w/o Drive	13.00	5.00	5.00	1.50	79.50	19.00	51	37	12
Fast Food Restaurant w/o Drive	13.00	5.00	5.00	1.50	79.50	19.00	51	37	12
General Office Building	13.00	5.00	5.00	33.00	48.00	19.00	77	19	4
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0

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4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Condo/Townhouse	0.486418	0.056693	0.203223	0.148945	0.038507	0.009459	0.008260	0.005996	0.000952	0.000366	0.033245	0.001002	0.006934
Day-Care Center	0.486418	0.056693	0.203223	0.148945	0.038507	0.009459	0.008260	0.005996	0.000952	0.000366	0.033245	0.001002	0.006934
Fast Food Restaurant w/o Drive Thru	0.486418	0.056693	0.203223	0.148945	0.038507	0.009459	0.008260	0.005996	0.000952	0.000366	0.033245	0.001002	0.006934
General Office Building	0.486418	0.056693	0.203223	0.148945	0.038507	0.009459	0.008260	0.005996	0.000952	0.000366	0.033245	0.001002	0.006934
Parking Lot	0.486418	0.056693	0.203223	0.148945	0.038507	0.009459	0.008260	0.005996	0.000952	0.000366	0.033245	0.001002	0.006934

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	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	58.1947	58.1947	9.4100e-003	1.1400e-003	58.7701
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	58.1947	58.1947	9.4100e-003	1.1400e-003	58.7701
NaturalGas Mitigated	0.0135	0.1188	0.0734	7.4000e-004		9.3400e-003	9.3400e-003		9.3400e-003	9.3400e-003	0.0000	133.7462	133.7462	2.5600e-003	2.4500e-003	134.5410
NaturalGas Unmitigated	0.0135	0.1188	0.0734	7.4000e-004		9.3400e-003	9.3400e-003		9.3400e-003	9.3400e-003	0.0000	133.7462	133.7462	2.5600e-003	2.4500e-003	134.5410

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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					
Condo/Townhouse	1.38077e+006	7.4500e-003	0.0636	0.0271	4.1000e-004		5.1400e-003	5.1400e-003		5.1400e-003	5.1400e-003	0.0000	73.6831	73.6831	1.4100e-003	1.3500e-003	74.1210
Day-Care Center	36540	2.0000e-004	1.7900e-003	1.5000e-003	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	1.9499	1.9499	4.0000e-005	4.0000e-005	1.9615
Fast Food Restaurant w/o Drive Thru	518175	5.5900e-003	0.0508	0.0427	3.0000e-004		3.8600e-003	3.8600e-003		3.8600e-003	3.8600e-003	0.0000	55.3036	55.3036	1.0600e-003	1.0100e-003	55.6322
General Office Building	52650	2.8000e-004	2.5800e-003	2.1700e-003	2.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	2.8096	2.8096	5.0000e-005	5.0000e-005	2.8263
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
Total		0.0135	0.1188	0.0734	7.4000e-004		9.3400e-003	9.3400e-003		9.3400e-003	9.3400e-003	0.0000	133.7462	133.7462	2.5600e-003	2.4500e-003	134.5410

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5.2 Energy by Land Use - Natural Gas

Mitigated

	Natural Gas 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					
Condo/Townhouse	1.38077e+006	7.4500e-003	0.0636	0.0271	4.1000e-004		5.1400e-003	5.1400e-003		5.1400e-003	5.1400e-003	0.0000	73.6831	73.6831	1.4100e-003	1.3500e-003	74.1210
Day-Care Center	36540	2.0000e-004	1.7900e-003	1.5000e-003	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	1.9499	1.9499	4.0000e-005	4.0000e-005	1.9615
Fast Food Restaurant w/o Drive Thru	518175	5.5900e-003	0.0508	0.0427	3.0000e-004		3.8600e-003	3.8600e-003		3.8600e-003	3.8600e-003	0.0000	55.3036	55.3036	1.0600e-003	1.0100e-003	55.6322
General Office Building	52650	2.8000e-004	2.5800e-003	2.1700e-003	2.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	2.8096	2.8096	5.0000e-005	5.0000e-005	2.8263
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
Total		0.0135	0.1188	0.0734	7.4000e-004		9.3400e-003	9.3400e-003		9.3400e-003	9.3400e-003	0.0000	133.7462	133.7462	2.5600e-003	2.4500e-003	134.5410

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Condo/Townhouse	387878	35.8879	5.8100e-003	7.0000e-004	36.2428
Day-Care Center	10440	0.9660	1.6000e-004	2.0000e-005	0.9755
Fast Food Restaurant w/o Drive Thru	80425	14.8825	2.4100e-003	2.9000e-004	15.0296
General Office Building	55802.5	5.1631	8.4000e-004	1.0000e-004	5.2141
Parking Lot	14000	1.2953	2.1000e-004	3.0000e-005	1.3081
Total		58.1947	9.4300e-003	1.1400e-003	58.7701

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5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Condo/Townhouse	387878	35.8879	5.8100e-003	7.0000e-004	36.2428
Day-Care Center	10440	0.9660	1.6000e-004	2.0000e-005	0.9755
Fast Food Restaurant w/o Drive Thru	80425	14.8825	2.4100e-003	2.9000e-004	15.0296
General Office Building	55802.5	5.1631	8.4000e-004	1.0000e-004	5.2141
Parking Lot	14000	1.2953	2.1000e-004	3.0000e-005	1.3081
Total		58.1947	9.4300e-003	1.1400e-003	58.7701

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	0.5258	0.0126	1.0904	6.0000e-005		6.0400e-003	6.0400e-003		6.0400e-003	6.0400e-003	0.0000	1.7825	1.7825	1.7200e-003	0.0000	1.8254
Unmitigated	0.5258	0.0126	1.0904	6.0000e-005		6.0400e-003	6.0400e-003		6.0400e-003	6.0400e-003	0.0000	1.7825	1.7825	1.7200e-003	0.0000	1.8254

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	0.1379					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3551					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0329	0.0126	1.0904	6.0000e-005		6.0400e-003	6.0400e-003		6.0400e-003	6.0400e-003	0.0000	1.7825	1.7825	1.7200e-003	0.0000	1.8254
Total	0.5258	0.0126	1.0904	6.0000e-005		6.0400e-003	6.0400e-003		6.0400e-003	6.0400e-003	0.0000	1.7825	1.7825	1.7200e-003	0.0000	1.8254

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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	0.1379					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3551					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0329	0.0126	1.0904	6.0000e-005		6.0400e-003	6.0400e-003		6.0400e-003	6.0400e-003	0.0000	1.7825	1.7825	1.7200e-003	0.0000	1.8254
Total	0.5258	0.0126	1.0904	6.0000e-005		6.0400e-003	6.0400e-003		6.0400e-003	6.0400e-003	0.0000	1.7825	1.7825	1.7200e-003	0.0000	1.8254

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	7.3286	0.2417	5.7900e-003	15.0959
Unmitigated	7.3286	0.2417	5.7900e-003	15.0959

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Condo/Townhouse	5.21232 / 3.28603	5.3273	0.1704	4.0800e-003	10.8048
Day-Care Center	0.0857791 / 0.220575	0.1416	2.8100e-003	7.0000e-005	0.2323
Fast Food Restaurant w/o Drive Thru	1.51767 / 0.0968725	1.2727	0.0496	1.1800e-003	2.8648
General Office Building	0.577635 / 0.354034	0.5871	0.0189	4.5000e-004	1.1941
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		7.3286	0.2417	5.7800e-003	15.0959

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Condo/Townhouse	5.21232 / 3.28603	5.3273	0.1704	4.0800e-003	10.8048
Day-Care Center	0.0857791 / 0.220575	0.1416	2.8100e-003	7.0000e-005	0.2323
Fast Food Restaurant w/o Drive Thru	1.51767 / 0.0968725	1.2727	0.0496	1.1800e-003	2.8648
General Office Building	0.577635 / 0.354034	0.5871	0.0189	4.5000e-004	1.1941
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		7.3286	0.2417	5.7800e-003	15.0959

8.0 Waste Detail

8.1 Mitigation Measures Waste

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Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	20.3011	1.1998	0.0000	50.2952
Unmitigated	20.3011	1.1998	0.0000	50.2952

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Condo/Townhouse	36.8	7.4701	0.4415	0.0000	18.5068
Day-Care Center	2.6	0.5278	0.0312	0.0000	1.3075
Fast Food Restaurant w/o Drive Thru	57.59	11.6903	0.6909	0.0000	28.9621
General Office Building	3.02	0.6130	0.0362	0.0000	1.5188
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		20.3011	1.1998	0.0000	50.2952

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8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Condo/Townhouse	36.8	7.4701	0.4415	0.0000	18.5068
Day-Care Center	2.6	0.5278	0.0312	0.0000	1.3075
Fast Food Restaurant w/o Drive Thru	57.59	11.6903	0.6909	0.0000	28.9621
General Office Building	3.02	0.6130	0.0362	0.0000	1.5188
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		20.3011	1.1998	0.0000	50.2952

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation
