

Attachment A

Air Quality Modeling Results

681 Florida Street - San Francisco County, Annual

**681 Florida Street
San Francisco County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Office Park	10.04	1000sqft	0.00	10,040.00	0
----- Apartments High Rise	130.00	Dwelling Unit	0.44	138,260.00	372

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	4.6	Precipitation Freq (Days)	64
Climate Zone	5			Operational Year	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Office park used as proxy for art space and would be below residences
- Construction Phase - applicant provided construction schedule
- Demolition -
- Architectural Coating - CalGREEN Requirement
- Grading -
- Construction Off-road Equipment Mitigation -

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Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	100.00	50.00
tblConstructionPhase	NumDays	1.00	20.00
tblConstructionPhase	NumDays	2.00	65.00
tblConstructionPhase	NumDays	100.00	370.00
tblConstructionPhase	NumDays	5.00	150.00
tblConstructionPhase	NumDays	5.00	20.00
tblConstructionPhase	NumDays	1.00	105.00
tblLandUse	LandUseSquareFeet	130,000.00	138,260.00
tblLandUse	LotAcreage	0.23	0.00
tblLandUse	LotAcreage	2.10	0.44

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					
2019	0.0980	0.9014	0.7609	1.5700e-003	0.0706	0.0483	0.1190	0.0250	0.0451	0.0701	0.0000	142.5539	142.5539	0.0268	0.0000	143.2249
2020	0.5301	1.7963	1.6179	3.7100e-003	0.1524	0.0876	0.2400	0.0364	0.0812	0.1176	0.0000	336.0831	336.0831	0.0622	0.0000	337.6384
2021	0.1621	0.3791	0.2784	6.5000e-004	0.0413	0.0161	0.0574	6.6200e-003	0.0150	0.0216	0.0000	58.2501	58.2501	0.0132	0.0000	58.5794
Maximum	0.5301	1.7963	1.6179	3.7100e-003	0.1524	0.0876	0.2400	0.0364	0.0812	0.1176	0.0000	336.0831	336.0831	0.0622	0.0000	337.6384

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					
2019	0.0980	0.9014	0.7609	1.5700e-003	0.0543	0.0483	0.1026	0.0173	0.0451	0.0624	0.0000	142.5538	142.5538	0.0268	0.0000	143.2248
2020	0.5301	1.7963	1.6179	3.7100e-003	0.1370	0.0876	0.2247	0.0348	0.0812	0.1160	0.0000	336.0829	336.0829	0.0622	0.0000	337.6382
2021	0.1621	0.3791	0.2784	6.5000e-004	0.0260	0.0161	0.0421	4.9700e-003	0.0150	0.0199	0.0000	58.2500	58.2500	0.0132	0.0000	58.5793
Maximum	0.5301	1.7963	1.6179	3.7100e-003	0.1370	0.0876	0.2247	0.0348	0.0812	0.1160	0.0000	336.0829	336.0829	0.0622	0.0000	337.6382

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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	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	17.78	0.00	11.29	16.18	0.00	5.27	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)
2	4-1-2019	6-30-2019	0.0897	0.0897
3	7-1-2019	9-30-2019	0.4454	0.4454
4	10-1-2019	12-31-2019	0.4477	0.4477
5	1-1-2020	3-31-2020	0.4003	0.4003
6	4-1-2020	6-30-2020	0.3969	0.3969
7	7-1-2020	9-30-2020	0.5718	0.5718
8	10-1-2020	12-31-2020	0.9394	0.9394
9	1-1-2021	3-31-2021	0.5369	0.5369
		Highest	0.9394	0.9394

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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	1.0109	0.0181	1.3794	8.7000e-004		0.0644	0.0644		0.0644	0.0644	5.9267	4.0113	9.9380	0.0111	3.9000e-004	10.3299
Energy	7.1300e-003	0.0615	0.0300	3.9000e-004		4.9200e-003	4.9200e-003		4.9200e-003	4.9200e-003	0.0000	266.8610	266.8610	0.0102	3.1300e-003	268.0494
Mobile	0.1578	0.6317	1.7552	6.3600e-003	0.5553	7.1000e-003	0.5624	0.1496	6.6500e-003	0.1563	0.0000	584.4264	584.4264	0.0248	0.0000	585.0453
Waste						0.0000	0.0000		0.0000	0.0000	14.0348	0.0000	14.0348	0.8294	0.0000	34.7706
Water						0.0000	0.0000		0.0000	0.0000	3.2533	22.6923	25.9456	0.3352	8.1000e-003	36.7392
Total	1.1758	0.7113	3.1646	7.6200e-003	0.5553	0.0764	0.6317	0.1496	0.0760	0.2256	23.2147	877.9910	901.2057	1.2106	0.0116	934.9345

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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	1.0109	0.0181	1.3794	8.7000e-004		0.0644	0.0644		0.0644	0.0644	5.9267	4.0113	9.9380	0.0111	3.9000e-004	10.3299
Energy	7.1300e-003	0.0615	0.0300	3.9000e-004		4.9200e-003	4.9200e-003		4.9200e-003	4.9200e-003	0.0000	266.8610	266.8610	0.0102	3.1300e-003	268.0494
Mobile	0.1578	0.6317	1.7552	6.3600e-003	0.5553	7.1000e-003	0.5624	0.1496	6.6500e-003	0.1563	0.0000	584.4264	584.4264	0.0248	0.0000	585.0453
Waste						0.0000	0.0000		0.0000	0.0000	14.0348	0.0000	14.0348	0.8294	0.0000	34.7706
Water						0.0000	0.0000		0.0000	0.0000	3.2533	22.6923	25.9456	0.3352	8.1000e-003	36.7392
Total	1.1758	0.7113	3.1646	7.6200e-003	0.5553	0.0764	0.6317	0.1496	0.0760	0.2256	23.2147	877.9910	901.2057	1.2106	0.0116	934.9345

	ROG	NOx	CO	SO2	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

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/3/2019	6/28/2019	5	20	
2	Grading	Grading	7/1/2019	9/27/2019	5	65	
3	Building Construction	Building Construction	9/2/2019	1/29/2021	5	370	
4	Architectural Coating	Architectural Coating	8/3/2020	2/26/2021	5	150	
5	Paving	Paving	12/7/2020	1/1/2021	5	20	
6	Site Improvements	Site Preparation	11/2/2020	3/26/2021	5	105	

Acres of Grading (Site Preparation Phase): 10

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 279,977; Residential Outdoor: 93,326; Non-Residential Indoor: 15,060; Non-Residential Outdoor: 5,020; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Site Improvements	Graders	1	8.00	187	0.41
Site Improvements	Tractors/Loaders/Backhoes	1	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
Site Preparation	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	97.00	16.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	19.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Improvements	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

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3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2019

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					5.3000e-003	0.0000	5.3000e-003	5.7000e-004	0.0000	5.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.2000e-003	0.0892	0.0414	1.0000e-004		3.6700e-003	3.6700e-003		3.3800e-003	3.3800e-003	0.0000	8.7559	8.7559	2.7700e-003	0.0000	8.8251
Total	7.2000e-003	0.0892	0.0414	1.0000e-004	5.3000e-003	3.6700e-003	8.9700e-003	5.7000e-004	3.3800e-003	3.9500e-003	0.0000	8.7559	8.7559	2.7700e-003	0.0000	8.8251

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3.2 Site Preparation - 2019

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	1.6000e-004	1.1000e-004	1.2300e-003	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3879	0.3879	1.0000e-005	0.0000	0.3882
Total	1.6000e-004	1.1000e-004	1.2300e-003	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3879	0.3879	1.0000e-005	0.0000	0.3882

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					2.3900e-003	0.0000	2.3900e-003	2.6000e-004	0.0000	2.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.2000e-003	0.0892	0.0414	1.0000e-004		3.6700e-003	3.6700e-003		3.3800e-003	3.3800e-003	0.0000	8.7559	8.7559	2.7700e-003	0.0000	8.8251
Total	7.2000e-003	0.0892	0.0414	1.0000e-004	2.3900e-003	3.6700e-003	6.0600e-003	2.6000e-004	3.3800e-003	3.6400e-003	0.0000	8.7559	8.7559	2.7700e-003	0.0000	8.8251

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3.2 Site Preparation - 2019

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	1.6000e-004	1.1000e-004	1.2300e-003	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3879	0.3879	1.0000e-005	0.0000	0.3882
Total	1.6000e-004	1.1000e-004	1.2300e-003	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3879	0.3879	1.0000e-005	0.0000	0.3882

3.3 Grading - 2019

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					0.0245	0.0000	0.0245	0.0135	0.0000	0.0135	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0310	0.2796	0.2500	3.9000e-004		0.0175	0.0175		0.0167	0.0167	0.0000	34.1908	34.1908	6.5200e-003	0.0000	34.3537
Total	0.0310	0.2796	0.2500	3.9000e-004	0.0245	0.0175	0.0419	0.0135	0.0167	0.0301	0.0000	34.1908	34.1908	6.5200e-003	0.0000	34.3537

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3.3 Grading - 2019

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	7.4000e-004	8.0100e-003	3.0000e-005	2.5700e-003	2.0000e-005	2.5900e-003	6.8000e-004	2.0000e-005	7.0000e-004	0.0000	2.5216	2.5216	6.0000e-005	0.0000	2.5231
Total	1.0700e-003	7.4000e-004	8.0100e-003	3.0000e-005	2.5700e-003	2.0000e-005	2.5900e-003	6.8000e-004	2.0000e-005	7.0000e-004	0.0000	2.5216	2.5216	6.0000e-005	0.0000	2.5231

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					0.0110	0.0000	0.0110	6.0500e-003	0.0000	6.0500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0310	0.2796	0.2500	3.9000e-004		0.0175	0.0175		0.0167	0.0167	0.0000	34.1907	34.1907	6.5200e-003	0.0000	34.3537
Total	0.0310	0.2796	0.2500	3.9000e-004	0.0110	0.0175	0.0285	6.0500e-003	0.0167	0.0227	0.0000	34.1907	34.1907	6.5200e-003	0.0000	34.3537

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3.3 Grading - 2019

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	7.4000e-004	8.0100e-003	3.0000e-005	2.5700e-003	2.0000e-005	2.5900e-003	6.8000e-004	2.0000e-005	7.0000e-004	0.0000	2.5216	2.5216	6.0000e-005	0.0000	2.5231
Total	1.0700e-003	7.4000e-004	8.0100e-003	3.0000e-005	2.5700e-003	2.0000e-005	2.5900e-003	6.8000e-004	2.0000e-005	7.0000e-004	0.0000	2.5216	2.5216	6.0000e-005	0.0000	2.5231

3.4 Building Construction - 2019

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	0.0417	0.4272	0.3281	5.0000e-004		0.0263	0.0263		0.0242	0.0242	0.0000	44.5007	44.5007	0.0141	0.0000	44.8527
Total	0.0417	0.4272	0.3281	5.0000e-004		0.0263	0.0263		0.0242	0.0242	0.0000	44.5007	44.5007	0.0141	0.0000	44.8527

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3.4 Building Construction - 2019

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	3.1500e-003	0.0950	0.0282	1.9000e-004	4.5500e-003	5.9000e-004	5.1400e-003	1.3100e-003	5.6000e-004	1.8800e-003	0.0000	19.4591	19.4591	2.6200e-003	0.0000	19.5247
Worker	0.0138	9.5700e-003	0.1040	3.6000e-004	0.0333	2.6000e-004	0.0336	8.8700e-003	2.4000e-004	9.1100e-003	0.0000	32.7379	32.7379	7.8000e-004	0.0000	32.7574
Total	0.0170	0.1045	0.1321	5.5000e-004	0.0379	8.5000e-004	0.0387	0.0102	8.0000e-004	0.0110	0.0000	52.1971	52.1971	3.4000e-003	0.0000	52.2821

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	0.0417	0.4272	0.3281	5.0000e-004		0.0263	0.0263		0.0242	0.0242	0.0000	44.5007	44.5007	0.0141	0.0000	44.8526
Total	0.0417	0.4272	0.3281	5.0000e-004		0.0263	0.0263		0.0242	0.0242	0.0000	44.5007	44.5007	0.0141	0.0000	44.8526

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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	3.1500e-003	0.0950	0.0282	1.9000e-004	4.5500e-003	5.9000e-004	5.1400e-003	1.3100e-003	5.6000e-004	1.8800e-003	0.0000	19.4591	19.4591	2.6200e-003	0.0000	19.5247
Worker	0.0138	9.5700e-003	0.1040	3.6000e-004	0.0333	2.6000e-004	0.0336	8.8700e-003	2.4000e-004	9.1100e-003	0.0000	32.7379	32.7379	7.8000e-004	0.0000	32.7574
Total	0.0170	0.1045	0.1321	5.5000e-004	0.0379	8.5000e-004	0.0387	0.0102	8.0000e-004	0.0110	0.0000	52.1971	52.1971	3.4000e-003	0.0000	52.2821

3.4 Building Construction - 2020

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	0.1129	1.1597	0.9678	1.4900e-003		0.0684	0.0684		0.0630	0.0630	0.0000	131.0792	131.0792	0.0424	0.0000	132.1391
Total	0.1129	1.1597	0.9678	1.4900e-003		0.0684	0.0684		0.0630	0.0630	0.0000	131.0792	131.0792	0.0424	0.0000	132.1391

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3.4 Building Construction - 2020

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	7.7100e-003	0.2624	0.0775	5.7000e-004	0.0137	1.1600e-003	0.0149	3.9600e-003	1.1100e-003	5.0700e-003	0.0000	58.0195	58.0195	7.7400e-003	0.0000	58.2130
Worker	0.0386	0.0257	0.2856	1.0500e-003	0.1004	7.7000e-004	0.1012	0.0267	7.1000e-004	0.0274	0.0000	95.4289	95.4289	2.0900e-003	0.0000	95.4812
Total	0.0463	0.2881	0.3631	1.6200e-003	0.1141	1.9300e-003	0.1160	0.0307	1.8200e-003	0.0325	0.0000	153.4484	153.4484	9.8300e-003	0.0000	153.6942

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	0.1129	1.1597	0.9678	1.4900e-003		0.0684	0.0684		0.0630	0.0630	0.0000	131.0791	131.0791	0.0424	0.0000	132.1389
Total	0.1129	1.1597	0.9678	1.4900e-003		0.0684	0.0684		0.0630	0.0630	0.0000	131.0791	131.0791	0.0424	0.0000	132.1389

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3.4 Building Construction - 2020

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	7.7100e-003	0.2624	0.0775	5.7000e-004	0.0137	1.1600e-003	0.0149	3.9600e-003	1.1100e-003	5.0700e-003	0.0000	58.0195	58.0195	7.7400e-003	0.0000	58.2130
Worker	0.0386	0.0257	0.2856	1.0500e-003	0.1004	7.7000e-004	0.1012	0.0267	7.1000e-004	0.0274	0.0000	95.4289	95.4289	2.0900e-003	0.0000	95.4812
Total	0.0463	0.2881	0.3631	1.6200e-003	0.1141	1.9300e-003	0.1160	0.0307	1.8200e-003	0.0325	0.0000	153.4484	153.4484	9.8300e-003	0.0000	153.6942

3.4 Building Construction - 2021

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	8.1400e-003	0.0838	0.0763	1.2000e-004		4.7000e-003	4.7000e-003		4.3200e-003	4.3200e-003	0.0000	10.5086	10.5086	3.4000e-003	0.0000	10.5936
Total	8.1400e-003	0.0838	0.0763	1.2000e-004		4.7000e-003	4.7000e-003		4.3200e-003	4.3200e-003	0.0000	10.5086	10.5086	3.4000e-003	0.0000	10.5936

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3.4 Building Construction - 2021

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	5.1000e-004	0.0193	5.8800e-003	4.0000e-005	1.1000e-003	4.0000e-005	1.1400e-003	3.2000e-004	4.0000e-005	3.6000e-004	0.0000	4.5913	4.5913	6.1000e-004	0.0000	4.6065
Worker	2.9000e-003	1.8500e-003	0.0212	8.0000e-005	8.0500e-003	6.0000e-005	8.1100e-003	2.1400e-003	6.0000e-005	2.2000e-003	0.0000	7.3757	7.3757	1.5000e-004	0.0000	7.3795
Total	3.4100e-003	0.0211	0.0271	1.2000e-004	9.1500e-003	1.0000e-004	9.2500e-003	2.4600e-003	1.0000e-004	2.5600e-003	0.0000	11.9670	11.9670	7.6000e-004	0.0000	11.9860

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	8.1400e-003	0.0838	0.0763	1.2000e-004		4.7000e-003	4.7000e-003		4.3200e-003	4.3200e-003	0.0000	10.5086	10.5086	3.4000e-003	0.0000	10.5936
Total	8.1400e-003	0.0838	0.0763	1.2000e-004		4.7000e-003	4.7000e-003		4.3200e-003	4.3200e-003	0.0000	10.5086	10.5086	3.4000e-003	0.0000	10.5936

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3.4 Building Construction - 2021

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	5.1000e-004	0.0193	5.8800e-003	4.0000e-005	1.1000e-003	4.0000e-005	1.1400e-003	3.2000e-004	4.0000e-005	3.6000e-004	0.0000	4.5913	4.5913	6.1000e-004	0.0000	4.6065
Worker	2.9000e-003	1.8500e-003	0.0212	8.0000e-005	8.0500e-003	6.0000e-005	8.1100e-003	2.1400e-003	6.0000e-005	2.2000e-003	0.0000	7.3757	7.3757	1.5000e-004	0.0000	7.3795
Total	3.4100e-003	0.0211	0.0271	1.2000e-004	9.1500e-003	1.0000e-004	9.2500e-003	2.4600e-003	1.0000e-004	2.5600e-003	0.0000	11.9670	11.9670	7.6000e-004	0.0000	11.9860

3.5 Architectural Coating - 2020

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	0.3312					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0132	0.0918	0.0998	1.6000e-004		6.0500e-003	6.0500e-003		6.0500e-003	6.0500e-003	0.0000	13.9152	13.9152	1.0800e-003	0.0000	13.9422
Total	0.3444	0.0918	0.0998	1.6000e-004		6.0500e-003	6.0500e-003		6.0500e-003	6.0500e-003	0.0000	13.9152	13.9152	1.0800e-003	0.0000	13.9422

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3.5 Architectural Coating - 2020

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	3.1500e-003	2.0900e-003	0.0233	9.0000e-005	8.1800e-003	6.0000e-005	8.2500e-003	2.1800e-003	6.0000e-005	2.2300e-003	0.0000	7.7766	7.7766	1.7000e-004	0.0000	7.7808
Total	3.1500e-003	2.0900e-003	0.0233	9.0000e-005	8.1800e-003	6.0000e-005	8.2500e-003	2.1800e-003	6.0000e-005	2.2300e-003	0.0000	7.7766	7.7766	1.7000e-004	0.0000	7.7808

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	0.3312					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0132	0.0918	0.0998	1.6000e-004		6.0500e-003	6.0500e-003		6.0500e-003	6.0500e-003	0.0000	13.9152	13.9152	1.0800e-003	0.0000	13.9422
Total	0.3444	0.0918	0.0998	1.6000e-004		6.0500e-003	6.0500e-003		6.0500e-003	6.0500e-003	0.0000	13.9152	13.9152	1.0800e-003	0.0000	13.9422

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3.5 Architectural Coating - 2020

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	3.1500e-003	2.0900e-003	0.0233	9.0000e-005	8.1800e-003	6.0000e-005	8.2500e-003	2.1800e-003	6.0000e-005	2.2300e-003	0.0000	7.7766	7.7766	1.7000e-004	0.0000	7.7808
Total	3.1500e-003	2.0900e-003	0.0233	9.0000e-005	8.1800e-003	6.0000e-005	8.2500e-003	2.1800e-003	6.0000e-005	2.2300e-003	0.0000	7.7766	7.7766	1.7000e-004	0.0000	7.7808

3.5 Architectural Coating - 2021

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	0.1246					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.4900e-003	0.0313	0.0373	6.0000e-005		1.9300e-003	1.9300e-003		1.9300e-003	1.9300e-003	0.0000	5.2342	5.2342	3.6000e-004	0.0000	5.2432
Total	0.1291	0.0313	0.0373	6.0000e-005		1.9300e-003	1.9300e-003		1.9300e-003	1.9300e-003	0.0000	5.2342	5.2342	3.6000e-004	0.0000	5.2432

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3.5 Architectural Coating - 2021

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	1.1100e-003	7.1000e-004	8.1000e-003	3.0000e-005	3.0800e-003	2.0000e-005	3.1000e-003	8.2000e-004	2.0000e-005	8.4000e-004	0.0000	2.8207	2.8207	6.0000e-005	0.0000	2.8221
Total	1.1100e-003	7.1000e-004	8.1000e-003	3.0000e-005	3.0800e-003	2.0000e-005	3.1000e-003	8.2000e-004	2.0000e-005	8.4000e-004	0.0000	2.8207	2.8207	6.0000e-005	0.0000	2.8221

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	0.1246					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.4900e-003	0.0313	0.0373	6.0000e-005		1.9300e-003	1.9300e-003		1.9300e-003	1.9300e-003	0.0000	5.2342	5.2342	3.6000e-004	0.0000	5.2431
Total	0.1291	0.0313	0.0373	6.0000e-005		1.9300e-003	1.9300e-003		1.9300e-003	1.9300e-003	0.0000	5.2342	5.2342	3.6000e-004	0.0000	5.2431

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3.5 Architectural Coating - 2021

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	1.1100e-003	7.1000e-004	8.1000e-003	3.0000e-005	3.0800e-003	2.0000e-005	3.1000e-003	8.2000e-004	2.0000e-005	8.4000e-004	0.0000	2.8207	2.8207	6.0000e-005	0.0000	2.8221
Total	1.1100e-003	7.1000e-004	8.1000e-003	3.0000e-005	3.0800e-003	2.0000e-005	3.1000e-003	8.2000e-004	2.0000e-005	8.4000e-004	0.0000	2.8207	2.8207	6.0000e-005	0.0000	2.8221

3.6 Paving - 2020

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	7.3300e-003	0.0687	0.0676	1.1000e-004		3.7500e-003	3.7500e-003		3.4900e-003	3.4900e-003	0.0000	8.9233	8.9233	2.6000e-003	0.0000	8.9883
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	7.3300e-003	0.0687	0.0676	1.1000e-004		3.7500e-003	3.7500e-003		3.4900e-003	3.4900e-003	0.0000	8.9233	8.9233	2.6000e-003	0.0000	8.9883

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3.6 Paving - 2020

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	5.2000e-004	3.5000e-004	3.8400e-003	1.0000e-005	1.3500e-003	1.0000e-005	1.3600e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.2842	1.2842	3.0000e-005	0.0000	1.2849
Total	5.2000e-004	3.5000e-004	3.8400e-003	1.0000e-005	1.3500e-003	1.0000e-005	1.3600e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.2842	1.2842	3.0000e-005	0.0000	1.2849

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	7.3300e-003	0.0687	0.0676	1.1000e-004		3.7500e-003	3.7500e-003		3.4900e-003	3.4900e-003	0.0000	8.9233	8.9233	2.6000e-003	0.0000	8.9883
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	7.3300e-003	0.0687	0.0676	1.1000e-004		3.7500e-003	3.7500e-003		3.4900e-003	3.4900e-003	0.0000	8.9233	8.9233	2.6000e-003	0.0000	8.9883

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3.6 Paving - 2020

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	5.2000e-004	3.5000e-004	3.8400e-003	1.0000e-005	1.3500e-003	1.0000e-005	1.3600e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.2842	1.2842	3.0000e-005	0.0000	1.2849
Total	5.2000e-004	3.5000e-004	3.8400e-003	1.0000e-005	1.3500e-003	1.0000e-005	1.3600e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.2842	1.2842	3.0000e-005	0.0000	1.2849

3.6 Paving - 2021

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	3.6000e-004	3.3600e-003	3.5400e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.6000e-004	1.6000e-004	0.0000	0.4696	0.4696	1.4000e-004	0.0000	0.4730
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.6000e-004	3.3600e-003	3.5400e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.6000e-004	1.6000e-004	0.0000	0.4696	0.4696	1.4000e-004	0.0000	0.4730

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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	3.0000e-005	2.0000e-005	1.9000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0652	0.0652	0.0000	0.0000	0.0652
Total	3.0000e-005	2.0000e-005	1.9000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0652	0.0652	0.0000	0.0000	0.0652

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	3.6000e-004	3.3600e-003	3.5400e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.6000e-004	1.6000e-004	0.0000	0.4696	0.4696	1.4000e-004	0.0000	0.4730
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.6000e-004	3.3600e-003	3.5400e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.6000e-004	1.6000e-004	0.0000	0.4696	0.4696	1.4000e-004	0.0000	0.4730

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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	3.0000e-005	2.0000e-005	1.9000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0652	0.0652	0.0000	0.0000	0.0652
Total	3.0000e-005	2.0000e-005	1.9000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0652	0.0652	0.0000	0.0000	0.0652

3.7 Site Improvements - 2020

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					0.0278	0.0000	0.0278	3.0100e-003	0.0000	3.0100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0151	0.1855	0.0901	2.1000e-004		7.3800e-003	7.3800e-003		6.7900e-003	6.7900e-003	0.0000	18.8302	18.8302	6.0900e-003	0.0000	18.9824
Total	0.0151	0.1855	0.0901	2.1000e-004	0.0278	7.3800e-003	0.0352	3.0100e-003	6.7900e-003	9.8000e-003	0.0000	18.8302	18.8302	6.0900e-003	0.0000	18.9824

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3.7 Site Improvements - 2020

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	3.3000e-004	2.2000e-004	2.4700e-003	1.0000e-005	8.7000e-004	1.0000e-005	8.8000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.8261	0.8261	2.0000e-005	0.0000	0.8266
Total	3.3000e-004	2.2000e-004	2.4700e-003	1.0000e-005	8.7000e-004	1.0000e-005	8.8000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.8261	0.8261	2.0000e-005	0.0000	0.8266

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					0.0125	0.0000	0.0125	1.3500e-003	0.0000	1.3500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0151	0.1855	0.0901	2.1000e-004		7.3800e-003	7.3800e-003		6.7900e-003	6.7900e-003	0.0000	18.8302	18.8302	6.0900e-003	0.0000	18.9824
Total	0.0151	0.1855	0.0901	2.1000e-004	0.0125	7.3800e-003	0.0199	1.3500e-003	6.7900e-003	8.1400e-003	0.0000	18.8302	18.8302	6.0900e-003	0.0000	18.9824

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3.7 Site Improvements - 2020

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	3.3000e-004	2.2000e-004	2.4700e-003	1.0000e-005	8.7000e-004	1.0000e-005	8.8000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.8261	0.8261	2.0000e-005	0.0000	0.8266
Total	3.3000e-004	2.2000e-004	2.4700e-003	1.0000e-005	8.7000e-004	1.0000e-005	8.8000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.8261	0.8261	2.0000e-005	0.0000	0.8266

3.7 Site Improvements - 2021

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					0.0278	0.0000	0.0278	3.0100e-003	0.0000	3.0100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0195	0.2385	0.1228	3.0000e-004		9.1300e-003	9.1300e-003		8.4000e-003	8.4000e-003	0.0000	26.0805	26.0805	8.4300e-003	0.0000	26.2914
Total	0.0195	0.2385	0.1228	3.0000e-004	0.0278	9.1300e-003	0.0370	3.0100e-003	8.4000e-003	0.0114	0.0000	26.0805	26.0805	8.4300e-003	0.0000	26.2914

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3.7 Site Improvements - 2021
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	4.3000e-004	2.8000e-004	3.1700e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	1.1044	1.1044	2.0000e-005	0.0000	1.1049
Total	4.3000e-004	2.8000e-004	3.1700e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	1.1044	1.1044	2.0000e-005	0.0000	1.1049

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					0.0125	0.0000	0.0125	1.3500e-003	0.0000	1.3500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0195	0.2385	0.1228	3.0000e-004		9.1300e-003	9.1300e-003		8.4000e-003	8.4000e-003	0.0000	26.0805	26.0805	8.4300e-003	0.0000	26.2913
Total	0.0195	0.2385	0.1228	3.0000e-004	0.0125	9.1300e-003	0.0217	1.3500e-003	8.4000e-003	9.7500e-003	0.0000	26.0805	26.0805	8.4300e-003	0.0000	26.2913

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3.7 Site Improvements - 2021

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	4.3000e-004	2.8000e-004	3.1700e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	1.1044	1.1044	2.0000e-005	0.0000	1.1049
Total	4.3000e-004	2.8000e-004	3.1700e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	1.1044	1.1044	2.0000e-005	0.0000	1.1049

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	0.1578	0.6317	1.7552	6.3600e-003	0.5553	7.1000e-003	0.5624	0.1496	6.6500e-003	0.1563	0.0000	584.4264	584.4264	0.0248	0.0000	585.0453
Unmitigated	0.1578	0.6317	1.7552	6.3600e-003	0.5553	7.1000e-003	0.5624	0.1496	6.6500e-003	0.1563	0.0000	584.4264	584.4264	0.0248	0.0000	585.0453

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments High Rise	546.00	647.40	474.50	1,270,911	1,270,911
Office Park	114.66	16.47	7.63	213,883	213,883
Total	660.66	663.87	482.13	1,484,794	1,484,794

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
Apartments High Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Office Park	9.50	7.30	7.30	33.00	48.00	19.00	82	15	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments High Rise	0.605720	0.039347	0.191789	0.088945	0.014469	0.004989	0.029396	0.009044	0.004299	0.004006	0.006568	0.000937	0.000492
Office Park	0.605720	0.039347	0.191789	0.088945	0.014469	0.004989	0.029396	0.009044	0.004299	0.004006	0.006568	0.000937	0.000492

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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	196.3247	196.3247	8.8800e-003	1.8400e-003	197.0940
Electricity Unmitigated							0.0000	0.0000		0.0000	0.0000	196.3247	196.3247	8.8800e-003	1.8400e-003	197.0940
NaturalGas Mitigated	7.1300e-003	0.0615	0.0300	3.9000e-004		4.9200e-003	4.9200e-003		4.9200e-003	4.9200e-003	0.0000	70.5363	70.5363	1.3500e-003	1.2900e-003	70.9555
NaturalGas Unmitigated	7.1300e-003	0.0615	0.0300	3.9000e-004		4.9200e-003	4.9200e-003		4.9200e-003	4.9200e-003	0.0000	70.5363	70.5363	1.3500e-003	1.2900e-003	70.9555

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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					
Apartments High Rise	1.13496e+006	6.1200e-003	0.0523	0.0223	3.3000e-004		4.2300e-003	4.2300e-003		4.2300e-003	4.2300e-003	0.0000	60.5656	60.5656	1.1600e-003	1.1100e-003	60.9255
Office Park	186844	1.0100e-003	9.1600e-003	7.6900e-003	5.0000e-005		7.0000e-004	7.0000e-004		7.0000e-004	7.0000e-004	0.0000	9.9707	9.9707	1.9000e-004	1.8000e-004	10.0300
Total		7.1300e-003	0.0615	0.0299	3.8000e-004		4.9300e-003	4.9300e-003		4.9300e-003	4.9300e-003	0.0000	70.5363	70.5363	1.3500e-003	1.2900e-003	70.9555

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					
Apartments High Rise	1.13496e+006	6.1200e-003	0.0523	0.0223	3.3000e-004		4.2300e-003	4.2300e-003		4.2300e-003	4.2300e-003	0.0000	60.5656	60.5656	1.1600e-003	1.1100e-003	60.9255
Office Park	186844	1.0100e-003	9.1600e-003	7.6900e-003	5.0000e-005		7.0000e-004	7.0000e-004		7.0000e-004	7.0000e-004	0.0000	9.9707	9.9707	1.9000e-004	1.8000e-004	10.0300
Total		7.1300e-003	0.0615	0.0299	3.8000e-004		4.9300e-003	4.9300e-003		4.9300e-003	4.9300e-003	0.0000	70.5363	70.5363	1.3500e-003	1.2900e-003	70.9555

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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			
Apartments High Rise	548859	159.6693	7.2200e-003	1.4900e-003	160.2949
Office Park	126002	36.6554	1.6600e-003	3.4000e-004	36.7991
Total		196.3247	8.8800e-003	1.8300e-003	197.0940

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments High Rise	548859	159.6693	7.2200e-003	1.4900e-003	160.2949
Office Park	126002	36.6554	1.6600e-003	3.4000e-004	36.7991
Total		196.3247	8.8800e-003	1.8300e-003	197.0940

6.0 Area Detail

6.1 Mitigation Measures Area

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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	1.0109	0.0181	1.3794	8.7000e-004		0.0644	0.0644		0.0644	0.0644	5.9267	4.0113	9.9380	0.0111	3.9000e-004	10.3299
Unmitigated	1.0109	0.0181	1.3794	8.7000e-004		0.0644	0.0644		0.0644	0.0644	5.9267	4.0113	9.9380	0.0111	3.9000e-004	10.3299

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	0.1026					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5792					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.3000	6.9000e-003	0.4130	8.2000e-004		0.0591	0.0591		0.0591	0.0591	5.9267	2.4344	8.3610	9.5300e-003	3.9000e-004	8.7150
Landscaping	0.0292	0.0112	0.9664	5.0000e-005		5.3400e-003	5.3400e-003		5.3400e-003	5.3400e-003	0.0000	1.5769	1.5769	1.5200e-003	0.0000	1.6150
Total	1.0109	0.0181	1.3794	8.7000e-004		0.0644	0.0644		0.0644	0.0644	5.9267	4.0113	9.9380	0.0111	3.9000e-004	10.3299

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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	0.1026					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5792					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.3000	6.9000e-003	0.4130	8.2000e-004		0.0591	0.0591		0.0591	0.0591	5.9267	2.4344	8.3610	9.5300e-003	3.9000e-004	8.7150
Landscaping	0.0292	0.0112	0.9664	5.0000e-005		5.3400e-003	5.3400e-003		5.3400e-003	5.3400e-003	0.0000	1.5769	1.5769	1.5200e-003	0.0000	1.6150
Total	1.0109	0.0181	1.3794	8.7000e-004		0.0644	0.0644		0.0644	0.0644	5.9267	4.0113	9.9380	0.0111	3.9000e-004	10.3299

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	25.9456	0.3352	8.1000e-003	36.7392
Unmitigated	25.9456	0.3352	8.1000e-003	36.7392

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments High Rise	8.47002 / 5.3398	21.4569	0.2768	6.6900e-003	30.3724
Office Park	1.78445 / 1.09369	4.4887	0.0583	1.4100e-003	6.3668
Total		25.9456	0.3352	8.1000e-003	36.7392

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments High Rise	8.47002 / 5.3398	21.4569	0.2768	6.6900e-003	30.3724
Office Park	1.78445 / 1.09369	4.4887	0.0583	1.4100e-003	6.3668
Total		25.9456	0.3352	8.1000e-003	36.7392

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	14.0348	0.8294	0.0000	34.7706
Unmitigated	14.0348	0.8294	0.0000	34.7706

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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments High Rise	59.8	12.1389	0.7174	0.0000	30.0735
Office Park	9.34	1.8959	0.1121	0.0000	4.6971
Total		14.0348	0.8294	0.0000	34.7706

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments High Rise	59.8	12.1389	0.7174	0.0000	30.0735
Office Park	9.34	1.8959	0.1121	0.0000	4.6971
Total		14.0348	0.8294	0.0000	34.7706

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

681 Florida Street - San Francisco County, Summer

681 Florida Street
San Francisco County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Office Park	10.04	1000sqft	0.00	10,040.00	0
----- Apartments High Rise	130.00	Dwelling Unit	0.44	138,260.00	372

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	4.6	Precipitation Freq (Days)	64
Climate Zone	5			Operational Year	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Office park used as proxy for art space and would be below residences
- Construction Phase - applicant provided construction schedule
- Demolition -
- Architectural Coating - CalGREEN Requirement
- Grading -
- Construction Off-road Equipment Mitigation -

681 Florida Street - San Francisco County, Summer

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	100.00	50.00
tblConstructionPhase	NumDays	1.00	20.00
tblConstructionPhase	NumDays	2.00	65.00
tblConstructionPhase	NumDays	100.00	370.00
tblConstructionPhase	NumDays	5.00	150.00
tblConstructionPhase	NumDays	5.00	20.00
tblConstructionPhase	NumDays	1.00	105.00
tblLandUse	LandUseSquareFeet	130,000.00	138,260.00
tblLandUse	LotAcreage	0.23	0.00
tblLandUse	LotAcreage	2.10	0.44

2.0 Emissions Summary

681 Florida Street - San Francisco County, Summer

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					
2019	2.3343	20.7833	18.6582	0.0375	1.7397	1.1624	2.9021	0.6780	1.0882	1.7662	0.0000	3,755.5894	3,755.5894	0.6662	0.0000	3,772.2442
2020	9.1207	28.4118	24.3261	0.0520	1.7801	1.3809	3.1610	0.3912	1.2831	1.6742	0.0000	5,076.8117	5,076.8117	1.0760	0.0000	5,103.7125
2021	8.8779	26.0800	23.8259	0.0514	1.7801	1.2068	2.9869	0.3912	1.1214	1.5126	0.0000	5,026.1719	5,026.1719	1.0696	0.0000	5,052.9130
Maximum	9.1207	28.4118	24.3261	0.0520	1.7801	1.3809	3.1610	0.6780	1.2831	1.7662	0.0000	5,076.8117	5,076.8117	1.0760	0.0000	5,103.7125

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					
2019	2.3343	20.7833	18.6582	0.0375	1.3257	1.1624	2.4880	0.4504	1.0882	1.5386	0.0000	3,755.5894	3,755.5894	0.6662	0.0000	3,772.2442
2020	9.1207	28.4118	24.3261	0.0520	1.4884	1.3809	2.8693	0.3597	1.2831	1.6427	0.0000	5,076.8117	5,076.8117	1.0760	0.0000	5,103.7125
2021	8.8779	26.0800	23.8259	0.0514	1.4884	1.2068	2.6952	0.3597	1.1214	1.4811	0.0000	5,026.1719	5,026.1719	1.0696	0.0000	5,052.9130
Maximum	9.1207	28.4118	24.3261	0.0520	1.4884	1.3809	2.8693	0.4504	1.2831	1.6427	0.0000	5,076.8117	5,076.8117	1.0760	0.0000	5,103.7125

681 Florida Street - San Francisco County, Summer

	ROG	NOx	CO	SO2	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	18.82	0.00	11.02	19.90	0.00	5.87	0.00	0.00	0.00	0.00	0.00	0.00

681 Florida Street - San Francisco County, Summer

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	57.5238	1.3058	81.3740	0.1367		10.0872	10.0872		10.0872	10.0872	1,088.2100	501.0787	1,589.2887	1.5078	0.0769	1,649.9051
Energy	0.0391	0.3368	0.1641	2.1300e-003		0.0270	0.0270		0.0270	0.0270		426.0436	426.0436	8.1700e-003	7.8100e-003	428.5754
Mobile	1.1341	3.9885	11.8024	0.0440	3.8050	0.0468	3.8518	1.0217	0.0438	1.0655		4,457.2570	4,457.2570	0.1811		4,461.7833
Total	58.6969	5.6310	93.3405	0.1828	3.8050	10.1609	13.9659	1.0217	10.1580	11.1797	1,088.2100	5,384.3793	6,472.5893	1.6970	0.0847	6,540.2637

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	57.5238	1.3058	81.3740	0.1367		10.0872	10.0872		10.0872	10.0872	1,088.2100	501.0787	1,589.2887	1.5078	0.0769	1,649.9051
Energy	0.0391	0.3368	0.1641	2.1300e-003		0.0270	0.0270		0.0270	0.0270		426.0436	426.0436	8.1700e-003	7.8100e-003	428.5754
Mobile	1.1341	3.9885	11.8024	0.0440	3.8050	0.0468	3.8518	1.0217	0.0438	1.0655		4,457.2570	4,457.2570	0.1811		4,461.7833
Total	58.6969	5.6310	93.3405	0.1828	3.8050	10.1609	13.9659	1.0217	10.1580	11.1797	1,088.2100	5,384.3793	6,472.5893	1.6970	0.0847	6,540.2637

681 Florida Street - San Francisco County, Summer

	ROG	NOx	CO	SO2	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	Site Preparation	Site Preparation	6/3/2019	6/28/2019	5	20	
2	Grading	Grading	7/1/2019	9/27/2019	5	65	
3	Building Construction	Building Construction	9/2/2019	1/29/2021	5	370	
4	Architectural Coating	Architectural Coating	8/3/2020	2/26/2021	5	150	
5	Paving	Paving	12/7/2020	1/1/2021	5	20	
6	Site Improvements	Site Preparation	11/2/2020	3/26/2021	5	105	

Acres of Grading (Site Preparation Phase): 10

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 279,977; Residential Outdoor: 93,326; Non-Residential Indoor: 15,060; Non-Residential Outdoor: 5,020; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

681 Florida Street - San Francisco County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Site Improvements	Graders	1	8.00	187	0.41
Site Improvements	Tractors/Loaders/Backhoes	1	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
Site Preparation	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	97.00	16.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	19.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Improvements	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

681 Florida Street - San Francisco County, Summer

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2019

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					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.7195	8.9170	4.1407	9.7500e-003		0.3672	0.3672		0.3378	0.3378		965.1690	965.1690	0.3054		972.8032
Total	0.7195	8.9170	4.1407	9.7500e-003	0.5303	0.3672	0.8975	0.0573	0.3378	0.3951		965.1690	965.1690	0.3054		972.8032

681 Florida Street - San Francisco County, Summer

3.2 Site Preparation - 2019

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
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
Worker	0.0165	9.9000e-003	0.1312	4.6000e-004	0.0411	3.1000e-004	0.0414	0.0109	2.8000e-004	0.0112		45.4011	45.4011	1.0800e-003		45.4280
Total	0.0165	9.9000e-003	0.1312	4.6000e-004	0.0411	3.1000e-004	0.0414	0.0109	2.8000e-004	0.0112		45.4011	45.4011	1.0800e-003		45.4280

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					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000
Off-Road	0.7195	8.9170	4.1407	9.7500e-003		0.3672	0.3672		0.3378	0.3378	0.0000	965.1690	965.1690	0.3054		972.8032
Total	0.7195	8.9170	4.1407	9.7500e-003	0.2386	0.3672	0.6058	0.0258	0.3378	0.3636	0.0000	965.1690	965.1690	0.3054		972.8032

681 Florida Street - San Francisco County, Summer

3.2 Site Preparation - 2019

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
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
Worker	0.0165	9.9000e-003	0.1312	4.6000e-004	0.0411	3.1000e-004	0.0414	0.0109	2.8000e-004	0.0112		45.4011	45.4011	1.0800e-003		45.4280
Total	0.0165	9.9000e-003	0.1312	4.6000e-004	0.0411	3.1000e-004	0.0414	0.0109	2.8000e-004	0.0112		45.4011	45.4011	1.0800e-003		45.4280

3.3 Grading - 2019

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					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	0.9530	8.6039	7.6917	0.0120		0.5371	0.5371		0.5125	0.5125		1,159.6570	1,159.6570	0.2211		1,165.1847
Total	0.9530	8.6039	7.6917	0.0120	0.7528	0.5371	1.2898	0.4138	0.5125	0.9263		1,159.6570	1,159.6570	0.2211		1,165.1847

681 Florida Street - San Francisco County, Summer

3.3 Grading - 2019

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
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
Worker	0.0330	0.0198	0.2624	9.1000e-004	0.0822	6.1000e-004	0.0828	0.0218	5.6000e-004	0.0224		90.8022	90.8022	2.1500e-003		90.8559
Total	0.0330	0.0198	0.2624	9.1000e-004	0.0822	6.1000e-004	0.0828	0.0218	5.6000e-004	0.0224		90.8022	90.8022	2.1500e-003		90.8559

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					0.3387	0.0000	0.3387	0.1862	0.0000	0.1862			0.0000			0.0000
Off-Road	0.9530	8.6039	7.6917	0.0120		0.5371	0.5371		0.5125	0.5125	0.0000	1,159.6570	1,159.6570	0.2211		1,165.1847
Total	0.9530	8.6039	7.6917	0.0120	0.3387	0.5371	0.8758	0.1862	0.5125	0.6987	0.0000	1,159.6570	1,159.6570	0.2211		1,165.1847

681 Florida Street - San Francisco County, Summer

3.3 Grading - 2019

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
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
Worker	0.0330	0.0198	0.2624	9.1000e-004	0.0822	6.1000e-004	0.0828	0.0218	5.6000e-004	0.0224		90.8022	90.8022	2.1500e-003		90.8559
Total	0.0330	0.0198	0.2624	9.1000e-004	0.0822	6.1000e-004	0.0828	0.0218	5.6000e-004	0.0224		90.8022	90.8022	2.1500e-003		90.8559

3.4 Building Construction - 2019

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	0.9576	9.8207	7.5432	0.0114		0.6054	0.6054		0.5569	0.5569		1,127.6696	1,127.6696	0.3568		1,136.5892
Total	0.9576	9.8207	7.5432	0.0114		0.6054	0.6054		0.5569	0.5569		1,127.6696	1,127.6696	0.3568		1,136.5892

681 Florida Street - San Francisco County, Summer

3.4 Building Construction - 2019

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
Vendor	0.0708	2.1468	0.6162	4.4300e-003	0.1080	0.0134	0.1213	0.0311	0.0128	0.0438		496.6797	496.6797	0.0653		498.3119
Worker	0.3199	0.1921	2.5448	8.8300e-003	0.7968	5.9300e-003	0.8028	0.2114	5.4600e-003	0.2168		880.7809	880.7809	0.0209		881.3025
Total	0.3907	2.3389	3.1610	0.0133	0.9048	0.0193	0.9241	0.2424	0.0182	0.2607		1,377.4606	1,377.4606	0.0862		1,379.6145

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	0.9576	9.8207	7.5432	0.0114		0.6054	0.6054		0.5569	0.5569	0.0000	1,127.6696	1,127.6696	0.3568		1,136.5892
Total	0.9576	9.8207	7.5432	0.0114		0.6054	0.6054		0.5569	0.5569	0.0000	1,127.6696	1,127.6696	0.3568		1,136.5892

681 Florida Street - San Francisco County, Summer

3.4 Building Construction - 2019

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
Vendor	0.0708	2.1468	0.6162	4.4300e-003	0.1080	0.0134	0.1213	0.0311	0.0128	0.0438		496.6797	496.6797	0.0653		498.3119
Worker	0.3199	0.1921	2.5448	8.8300e-003	0.7968	5.9300e-003	0.8028	0.2114	5.4600e-003	0.2168		880.7809	880.7809	0.0209		881.3025
Total	0.3907	2.3389	3.1610	0.0133	0.9048	0.0193	0.9241	0.2424	0.0182	0.2607		1,377.4606	1,377.4606	0.0862		1,379.6145

3.4 Building Construction - 2020

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	0.8617	8.8523	7.3875	0.0114		0.5224	0.5224		0.4806	0.4806		1,102.9781	1,102.9781	0.3567		1,111.8962
Total	0.8617	8.8523	7.3875	0.0114		0.5224	0.5224		0.4806	0.4806		1,102.9781	1,102.9781	0.3567		1,111.8962

681 Florida Street - San Francisco County, Summer

3.4 Building Construction - 2020

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
Vendor	0.0576	1.9728	0.5640	4.3700e-003	0.1080	8.7400e-003	0.1167	0.0311	8.3600e-003	0.0394		491.8413	491.8413	0.0641		493.4434
Worker	0.2963	0.1714	2.3282	8.5500e-003	0.7968	5.9000e-003	0.8027	0.2114	5.4300e-003	0.2168		852.5285	852.5285	0.0186		852.9943
Total	0.3538	2.1442	2.8922	0.0129	0.9048	0.0146	0.9194	0.2424	0.0138	0.2562		1,344.3697	1,344.3697	0.0827		1,346.4377

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	0.8617	8.8523	7.3875	0.0114		0.5224	0.5224		0.4806	0.4806	0.0000	1,102.9781	1,102.9781	0.3567		1,111.8962
Total	0.8617	8.8523	7.3875	0.0114		0.5224	0.5224		0.4806	0.4806	0.0000	1,102.9781	1,102.9781	0.3567		1,111.8962

681 Florida Street - San Francisco County, Summer

3.4 Building Construction - 2020

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
Vendor	0.0576	1.9728	0.5640	4.3700e-003	0.1080	8.7400e-003	0.1167	0.0311	8.3600e-003	0.0394		491.8413	491.8413	0.0641		493.4434
Worker	0.2963	0.1714	2.3282	8.5500e-003	0.7968	5.9000e-003	0.8027	0.2114	5.4300e-003	0.2168		852.5285	852.5285	0.0186		852.9943
Total	0.3538	2.1442	2.8922	0.0129	0.9048	0.0146	0.9194	0.2424	0.0138	0.2562		1,344.3697	1,344.3697	0.0827		1,346.4377

3.4 Building Construction - 2021

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	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117		1,103.2158	1,103.2158	0.3568		1,112.1358
Total	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117		1,103.2158	1,103.2158	0.3568		1,112.1358

681 Florida Street - San Francisco County, Summer

3.4 Building Construction - 2021

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
Vendor	0.0477	1.8093	0.5341	4.2900e-003	0.1080	4.0100e-003	0.1120	0.0311	3.8400e-003	0.0349		485.6031	485.6031	0.0630		487.1780
Worker	0.2770	0.1541	2.1587	8.2400e-003	0.7968	5.7900e-003	0.8026	0.2114	5.3300e-003	0.2167		822.0424	822.0424	0.0168		822.4630
Total	0.3247	1.9634	2.6927	0.0125	0.9048	9.8000e-003	0.9146	0.2424	9.1700e-003	0.2516		1,307.6455	1,307.6455	0.0798		1,309.6410

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	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117	0.0000	1,103.2158	1,103.2158	0.3568		1,112.1358
Total	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117	0.0000	1,103.2158	1,103.2158	0.3568		1,112.1358

681 Florida Street - San Francisco County, Summer

3.4 Building Construction - 2021

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
Vendor	0.0477	1.8093	0.5341	4.2900e-003	0.1080	4.0100e-003	0.1120	0.0311	3.8400e-003	0.0349		485.6031	485.6031	0.0630		487.1780
Worker	0.2770	0.1541	2.1587	8.2400e-003	0.7968	5.7900e-003	0.8026	0.2114	5.3300e-003	0.2167		822.0424	822.0424	0.0168		822.4630
Total	0.3247	1.9634	2.6927	0.0125	0.9048	9.8000e-003	0.9146	0.2424	9.1700e-003	0.2516		1,307.6455	1,307.6455	0.0798		1,309.6410

3.5 Architectural Coating - 2020

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	6.0778					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	6.3200	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

681 Florida Street - San Francisco County, Summer

3.5 Architectural Coating - 2020

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
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
Worker	0.0580	0.0336	0.4560	1.6700e-003	0.1561	1.1600e-003	0.1572	0.0414	1.0600e-003	0.0425		166.9901	166.9901	3.6500e-003		167.0814
Total	0.0580	0.0336	0.4560	1.6700e-003	0.1561	1.1600e-003	0.1572	0.0414	1.0600e-003	0.0425		166.9901	166.9901	3.6500e-003		167.0814

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	6.0778					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	6.3200	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928

681 Florida Street - San Francisco County, Summer

3.5 Architectural Coating - 2020

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
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
Worker	0.0580	0.0336	0.4560	1.6700e-003	0.1561	1.1600e-003	0.1572	0.0414	1.0600e-003	0.0425		166.9901	166.9901	3.6500e-003		167.0814
Total	0.0580	0.0336	0.4560	1.6700e-003	0.1561	1.1600e-003	0.1572	0.0414	1.0600e-003	0.0425		166.9901	166.9901	3.6500e-003		167.0814

3.5 Architectural Coating - 2021

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	6.0778					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	6.2967	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

681 Florida Street - San Francisco County, Summer

3.5 Architectural Coating - 2021

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
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
Worker	0.0543	0.0302	0.4228	1.6100e-003	0.1561	1.1300e-003	0.1572	0.0414	1.0400e-003	0.0424		161.0186	161.0186	3.3000e-003		161.1010
Total	0.0543	0.0302	0.4228	1.6100e-003	0.1561	1.1300e-003	0.1572	0.0414	1.0400e-003	0.0424		161.0186	161.0186	3.3000e-003		161.1010

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	6.0778					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	6.2967	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309

681 Florida Street - San Francisco County, Summer

3.5 Architectural Coating - 2021

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
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
Worker	0.0543	0.0302	0.4228	1.6100e-003	0.1561	1.1300e-003	0.1572	0.0414	1.0400e-003	0.0424		161.0186	161.0186	3.3000e-003		161.1010
Total	0.0543	0.0302	0.4228	1.6100e-003	0.1561	1.1300e-003	0.1572	0.0414	1.0400e-003	0.0424		161.0186	161.0186	3.3000e-003		161.1010

3.6 Paving - 2020

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	0.7716	7.2266	7.1128	0.0113		0.3950	0.3950		0.3669	0.3669		1,035.3926	1,035.3926	0.3016		1,042.9323
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7716	7.2266	7.1128	0.0113		0.3950	0.3950		0.3669	0.3669		1,035.3926	1,035.3926	0.3016		1,042.9323

681 Florida Street - San Francisco County, Summer

3.6 Paving - 2020

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
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
Worker	0.0550	0.0318	0.4320	1.5900e-003	0.1479	1.0900e-003	0.1490	0.0392	1.0100e-003	0.0402		158.2012	158.2012	3.4600e-003		158.2876
Total	0.0550	0.0318	0.4320	1.5900e-003	0.1479	1.0900e-003	0.1490	0.0392	1.0100e-003	0.0402		158.2012	158.2012	3.4600e-003		158.2876

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	0.7716	7.2266	7.1128	0.0113		0.3950	0.3950		0.3669	0.3669	0.0000	1,035.3926	1,035.3926	0.3016		1,042.9323
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7716	7.2266	7.1128	0.0113		0.3950	0.3950		0.3669	0.3669	0.0000	1,035.3926	1,035.3926	0.3016		1,042.9323

681 Florida Street - San Francisco County, Summer

3.6 Paving - 2020

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
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
Worker	0.0550	0.0318	0.4320	1.5900e-003	0.1479	1.0900e-003	0.1490	0.0392	1.0100e-003	0.0402		158.2012	158.2012	3.4600e-003		158.2876
Total	0.0550	0.0318	0.4320	1.5900e-003	0.1479	1.0900e-003	0.1490	0.0392	1.0100e-003	0.0402		158.2012	158.2012	3.4600e-003		158.2876

3.6 Paving - 2021

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	0.7214	6.7178	7.0899	0.0113		0.3534	0.3534		0.3286	0.3286		1,035.3425	1,035.3425	0.3016		1,042.8818
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7214	6.7178	7.0899	0.0113		0.3534	0.3534		0.3286	0.3286		1,035.3425	1,035.3425	0.3016		1,042.8818

681 Florida Street - San Francisco County, Summer

3.6 Paving - 2021

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
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
Worker	0.0514	0.0286	0.4006	1.5300e-003	0.1479	1.0700e-003	0.1489	0.0392	9.9000e-004	0.0402		152.5440	152.5440	3.1200e-003		152.6220
Total	0.0514	0.0286	0.4006	1.5300e-003	0.1479	1.0700e-003	0.1489	0.0392	9.9000e-004	0.0402		152.5440	152.5440	3.1200e-003		152.6220

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	0.7214	6.7178	7.0899	0.0113		0.3534	0.3534		0.3286	0.3286	0.0000	1,035.3425	1,035.3425	0.3016		1,042.8818
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7214	6.7178	7.0899	0.0113		0.3534	0.3534		0.3286	0.3286	0.0000	1,035.3425	1,035.3425	0.3016		1,042.8818

681 Florida Street - San Francisco County, Summer

3.6 Paving - 2021

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
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
Worker	0.0514	0.0286	0.4006	1.5300e-003	0.1479	1.0700e-003	0.1489	0.0392	9.9000e-004	0.0402		152.5440	152.5440	3.1200e-003		152.6220
Total	0.0514	0.0286	0.4006	1.5300e-003	0.1479	1.0700e-003	0.1489	0.0392	9.9000e-004	0.0402		152.5440	152.5440	3.1200e-003		152.6220

3.7 Site Improvements - 2020

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					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.6853	8.4307	4.0942	9.7400e-003		0.3353	0.3353		0.3085	0.3085		943.4872	943.4872	0.3051		951.1158
Total	0.6853	8.4307	4.0942	9.7400e-003	0.5303	0.3353	0.8656	0.0573	0.3085	0.3658		943.4872	943.4872	0.3051		951.1158

681 Florida Street - San Francisco County, Summer

3.7 Site Improvements - 2020

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
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
Worker	0.0153	8.8300e-003	0.1200	4.4000e-004	0.0411	3.0000e-004	0.0414	0.0109	2.8000e-004	0.0112		43.9448	43.9448	9.6000e-004		43.9688
Total	0.0153	8.8300e-003	0.1200	4.4000e-004	0.0411	3.0000e-004	0.0414	0.0109	2.8000e-004	0.0112		43.9448	43.9448	9.6000e-004		43.9688

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					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000
Off-Road	0.6853	8.4307	4.0942	9.7400e-003		0.3353	0.3353		0.3085	0.3085	0.0000	943.4872	943.4872	0.3051		951.1158
Total	0.6853	8.4307	4.0942	9.7400e-003	0.2386	0.3353	0.5740	0.0258	0.3085	0.3343	0.0000	943.4872	943.4872	0.3051		951.1158

681 Florida Street - San Francisco County, Summer

3.7 Site Improvements - 2020

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
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
Worker	0.0153	8.8300e-003	0.1200	4.4000e-004	0.0411	3.0000e-004	0.0414	0.0109	2.8000e-004	0.0112		43.9448	43.9448	9.6000e-004		43.9688
Total	0.0153	8.8300e-003	0.1200	4.4000e-004	0.0411	3.0000e-004	0.0414	0.0109	2.8000e-004	0.0112		43.9448	43.9448	9.6000e-004		43.9688

3.7 Site Improvements - 2021

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					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.6403	7.8204	4.0274	9.7300e-003		0.2995	0.2995		0.2755	0.2755		942.5842	942.5842	0.3049		950.2055
Total	0.6403	7.8204	4.0274	9.7300e-003	0.5303	0.2995	0.8297	0.0573	0.2755	0.3328		942.5842	942.5842	0.3049		950.2055

681 Florida Street - San Francisco County, Summer

3.7 Site Improvements - 2021
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
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
Worker	0.0143	7.9400e-003	0.1113	4.2000e-004	0.0411	3.0000e-004	0.0414	0.0109	2.7000e-004	0.0112		42.3733	42.3733	8.7000e-004		42.3950
Total	0.0143	7.9400e-003	0.1113	4.2000e-004	0.0411	3.0000e-004	0.0414	0.0109	2.7000e-004	0.0112		42.3733	42.3733	8.7000e-004		42.3950

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					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000
Off-Road	0.6403	7.8204	4.0274	9.7300e-003		0.2995	0.2995		0.2755	0.2755	0.0000	942.5842	942.5842	0.3049		950.2055
Total	0.6403	7.8204	4.0274	9.7300e-003	0.2386	0.2995	0.5381	0.0258	0.2755	0.3013	0.0000	942.5842	942.5842	0.3049		950.2055

681 Florida Street - San Francisco County, Summer

3.7 Site Improvements - 2021

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
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
Worker	0.0143	7.9400e-003	0.1113	4.2000e-004	0.0411	3.0000e-004	0.0414	0.0109	2.7000e-004	0.0112		42.3733	42.3733	8.7000e-004		42.3950
Total	0.0143	7.9400e-003	0.1113	4.2000e-004	0.0411	3.0000e-004	0.0414	0.0109	2.7000e-004	0.0112		42.3733	42.3733	8.7000e-004		42.3950

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

681 Florida Street - San Francisco County, Summer

	ROG	NOx	CO	SO2	Fugitive 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	1.1341	3.9885	11.8024	0.0440	3.8050	0.0468	3.8518	1.0217	0.0438	1.0655		4,457.2570	4,457.2570	0.1811		4,461.7833
Unmitigated	1.1341	3.9885	11.8024	0.0440	3.8050	0.0468	3.8518	1.0217	0.0438	1.0655		4,457.2570	4,457.2570	0.1811		4,461.7833

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartment High Rise	546.00	647.40	474.50	1,270,911	1,270,911
Office Park	114.66	16.47	7.63	213,883	213,883
Total	660.66	663.87	482.13	1,484,794	1,484,794

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
Apartment High Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Office Park	9.50	7.30	7.30	33.00	48.00	19.00	82	15	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartment High Rise	0.605720	0.039347	0.191789	0.088945	0.014469	0.004989	0.029396	0.009044	0.004299	0.004006	0.006568	0.000937	0.000492
Office Park	0.605720	0.039347	0.191789	0.088945	0.014469	0.004989	0.029396	0.009044	0.004299	0.004006	0.006568	0.000937	0.000492

681 Florida Street - San Francisco County, Summer

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	0.0391	0.3368	0.1641	2.1300e-003		0.0270	0.0270		0.0270	0.0270		426.0436	426.0436	8.1700e-003	7.8100e-003	428.5754
NaturalGas Unmitigated	0.0391	0.3368	0.1641	2.1300e-003		0.0270	0.0270		0.0270	0.0270		426.0436	426.0436	8.1700e-003	7.8100e-003	428.5754

681 Florida Street - San Francisco County, Summer

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					
Apartments High Rise	3109.47	0.0335	0.2866	0.1219	1.8300e-003		0.0232	0.0232		0.0232	0.0232		365.8198	365.8198	7.0100e-003	6.7100e-003	367.9937
Office Park	511.902	5.5200e-003	0.0502	0.0422	3.0000e-004		3.8100e-003	3.8100e-003		3.8100e-003	3.8100e-003		60.2238	60.2238	1.1500e-003	1.1000e-003	60.5817
Total		0.0391	0.3368	0.1641	2.1300e-003		0.0270	0.0270		0.0270	0.0270		426.0436	426.0436	8.1600e-003	7.8100e-003	428.5754

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					
Apartments High Rise	3.10947	0.0335	0.2866	0.1219	1.8300e-003		0.0232	0.0232		0.0232	0.0232		365.8198	365.8198	7.0100e-003	6.7100e-003	367.9937
Office Park	0.511902	5.5200e-003	0.0502	0.0422	3.0000e-004		3.8100e-003	3.8100e-003		3.8100e-003	3.8100e-003		60.2238	60.2238	1.1500e-003	1.1000e-003	60.5817
Total		0.0391	0.3368	0.1641	2.1300e-003		0.0270	0.0270		0.0270	0.0270		426.0436	426.0436	8.1600e-003	7.8100e-003	428.5754

6.0 Area Detail

6.1 Mitigation Measures Area

681 Florida Street - San Francisco County, Summer

	ROG	NOx	CO	SO2	Fugitive 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	57.5238	1.3058	81.3740	0.1367		10.0872	10.0872		10.0872	10.0872	1,088.2100	501.0787	1,589.2887	1.5078	0.0769	1,649.9051
Unmitigated	57.5238	1.3058	81.3740	0.1367		10.0872	10.0872		10.0872	10.0872	1,088.2100	501.0787	1,589.2887	1.5078	0.0769	1,649.9051

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	0.5620					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.1736					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	53.4638	1.1819	70.6363	0.1361		10.0279	10.0279		10.0279	10.0279	1,088.2100	481.7647	1,569.9747	1.4892	0.0769	1,630.1251
Landscaping	0.3244	0.1238	10.7377	5.7000e-004		0.0593	0.0593		0.0593	0.0593		19.3140	19.3140	0.0186		19.7799
Total	57.5238	1.3058	81.3740	0.1367		10.0872	10.0872		10.0872	10.0872	1,088.2100	501.0787	1,589.2887	1.5078	0.0769	1,649.9051

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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	lb/day										lb/day					
Architectural Coating	0.5620					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.1736					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	53.4638	1.1819	70.6363	0.1361		10.0279	10.0279		10.0279	10.0279	1,088.2100	481.7647	1,569.9747	1.4892	0.0769	1,630.1251
Landscaping	0.3244	0.1238	10.7377	5.7000e-004		0.0593	0.0593		0.0593	0.0593		19.3140	19.3140	0.0186		19.7799
Total	57.5238	1.3058	81.3740	0.1367		10.0872	10.0872		10.0872	10.0872	1,088.2100	501.0787	1,589.2887	1.5078	0.0769	1,649.9051

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
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10.0 Stationary Equipment

681 Florida Street - San Francisco County, Summer

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

681 Florida Street - San Francisco County, Winter

681 Florida Street
San Francisco County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Office Park	10.04	1000sqft	0.00	10,040.00	0
----- Apartments High Rise	130.00	Dwelling Unit	0.44	138,260.00	372

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	4.6	Precipitation Freq (Days)	64
Climate Zone	5			Operational Year	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Office park used as proxy for art space and would be below residences
- Construction Phase - applicant provided construction schedule
- Demolition -
- Architectural Coating - CalGREEN Requirement
- Grading -
- Construction Off-road Equipment Mitigation -

681 Florida Street - San Francisco County, Winter

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	100.00	50.00
tblConstructionPhase	NumDays	1.00	20.00
tblConstructionPhase	NumDays	2.00	65.00
tblConstructionPhase	NumDays	100.00	370.00
tblConstructionPhase	NumDays	5.00	150.00
tblConstructionPhase	NumDays	5.00	20.00
tblConstructionPhase	NumDays	1.00	105.00
tblLandUse	LandUseSquareFeet	130,000.00	138,260.00
tblLandUse	LotAcreage	0.23	0.00
tblLandUse	LotAcreage	2.10	0.44

2.0 Emissions Summary

681 Florida Street - San Francisco County, Winter

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					
2019	2.3767	20.8674	18.6235	0.0369	1.7397	1.1627	2.9024	0.6780	1.0886	1.7666	0.0000	3,688.6387	3,688.6387	0.6677	0.0000	3,705.3304
2020	9.1716	28.4968	24.2510	0.0512	1.7801	1.3812	3.1612	0.3912	1.2833	1.6745	0.0000	4,994.7020	4,994.7020	1.0769	0.0000	5,021.6253
2021	8.9268	26.1530	23.7464	0.0507	1.7801	1.2071	2.9871	0.3912	1.1216	1.5128	0.0000	4,946.8100	4,946.8100	1.0704	0.0000	4,973.5704
Maximum	9.1716	28.4968	24.2510	0.0512	1.7801	1.3812	3.1612	0.6780	1.2833	1.7666	0.0000	4,994.7020	4,994.7020	1.0769	0.0000	5,021.6253

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					
2019	2.3767	20.8674	18.6235	0.0369	1.3257	1.1627	2.4884	0.4504	1.0886	1.5390	0.0000	3,688.6387	3,688.6387	0.6677	0.0000	3,705.3304
2020	9.1716	28.4968	24.2510	0.0512	1.4884	1.3812	2.8696	0.3597	1.2833	1.6430	0.0000	4,994.7020	4,994.7020	1.0769	0.0000	5,021.6253
2021	8.9268	26.1530	23.7464	0.0507	1.4884	1.2071	2.6955	0.3597	1.1216	1.4813	0.0000	4,946.8100	4,946.8100	1.0704	0.0000	4,973.5704
Maximum	9.1716	28.4968	24.2510	0.0512	1.4884	1.3812	2.8696	0.4504	1.2833	1.6430	0.0000	4,994.7020	4,994.7020	1.0769	0.0000	5,021.6253

681 Florida Street - San Francisco County, Winter

	ROG	NOx	CO	SO2	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	18.82	0.00	11.02	19.90	0.00	5.87	0.00	0.00	0.00	0.00	0.00	0.00

681 Florida Street - San Francisco County, Winter

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	57.5238	1.3058	81.3740	0.1367		10.0872	10.0872		10.0872	10.0872	1,088.2100	501.0787	1,589.2887	1.5078	0.0769	1,649.9051
Energy	0.0391	0.3368	0.1641	2.1300e-003		0.0270	0.0270		0.0270	0.0270		426.0436	426.0436	8.1700e-003	7.8100e-003	428.5754
Mobile	1.0464	4.2496	12.0384	0.0419	3.8050	0.0470	3.8520	1.0217	0.0440	1.0657		4,242.6011	4,242.6011	0.1826		4,247.1662
Total	58.6092	5.8921	93.5765	0.1807	3.8050	10.1612	13.9661	1.0217	10.1582	11.1799	1,088.2100	5,169.7234	6,257.9334	1.6986	0.0847	6,325.6466

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	57.5238	1.3058	81.3740	0.1367		10.0872	10.0872		10.0872	10.0872	1,088.2100	501.0787	1,589.2887	1.5078	0.0769	1,649.9051
Energy	0.0391	0.3368	0.1641	2.1300e-003		0.0270	0.0270		0.0270	0.0270		426.0436	426.0436	8.1700e-003	7.8100e-003	428.5754
Mobile	1.0464	4.2496	12.0384	0.0419	3.8050	0.0470	3.8520	1.0217	0.0440	1.0657		4,242.6011	4,242.6011	0.1826		4,247.1662
Total	58.6092	5.8921	93.5765	0.1807	3.8050	10.1612	13.9661	1.0217	10.1582	11.1799	1,088.2100	5,169.7234	6,257.9334	1.6986	0.0847	6,325.6466

681 Florida Street - San Francisco County, Winter

	ROG	NOx	CO	SO2	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	Site Preparation	Site Preparation	6/3/2019	6/28/2019	5	20	
2	Grading	Grading	7/1/2019	9/27/2019	5	65	
3	Building Construction	Building Construction	9/2/2019	1/29/2021	5	370	
4	Architectural Coating	Architectural Coating	8/3/2020	2/26/2021	5	150	
5	Paving	Paving	12/7/2020	1/1/2021	5	20	
6	Site Improvements	Site Preparation	11/2/2020	3/26/2021	5	105	

Acres of Grading (Site Preparation Phase): 10

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 279,977; Residential Outdoor: 93,326; Non-Residential Indoor: 15,060; Non-Residential Outdoor: 5,020; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

681 Florida Street - San Francisco County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Site Improvements	Graders	1	8.00	187	0.41
Site Improvements	Tractors/Loaders/Backhoes	1	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
Site Preparation	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	97.00	16.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	19.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Improvements	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

681 Florida Street - San Francisco County, Winter

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2019

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					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.7195	8.9170	4.1407	9.7500e-003		0.3672	0.3672		0.3378	0.3378		965.1690	965.1690	0.3054		972.8032
Total	0.7195	8.9170	4.1407	9.7500e-003	0.5303	0.3672	0.8975	0.0573	0.3378	0.3951		965.1690	965.1690	0.3054		972.8032

681 Florida Street - San Francisco County, Winter

3.2 Site Preparation - 2019

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
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
Worker	0.0183	0.0123	0.1265	4.3000e-004	0.0411	3.1000e-004	0.0414	0.0109	2.8000e-004	0.0112		42.6701	42.6701	1.0200e-003		42.6956
Total	0.0183	0.0123	0.1265	4.3000e-004	0.0411	3.1000e-004	0.0414	0.0109	2.8000e-004	0.0112		42.6701	42.6701	1.0200e-003		42.6956

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					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000
Off-Road	0.7195	8.9170	4.1407	9.7500e-003		0.3672	0.3672		0.3378	0.3378	0.0000	965.1690	965.1690	0.3054		972.8032
Total	0.7195	8.9170	4.1407	9.7500e-003	0.2386	0.3672	0.6058	0.0258	0.3378	0.3636	0.0000	965.1690	965.1690	0.3054		972.8032

681 Florida Street - San Francisco County, Winter

3.2 Site Preparation - 2019

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
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
Worker	0.0183	0.0123	0.1265	4.3000e-004	0.0411	3.1000e-004	0.0414	0.0109	2.8000e-004	0.0112		42.6701	42.6701	1.0200e-003		42.6956
Total	0.0183	0.0123	0.1265	4.3000e-004	0.0411	3.1000e-004	0.0414	0.0109	2.8000e-004	0.0112		42.6701	42.6701	1.0200e-003		42.6956

3.3 Grading - 2019

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					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	0.9530	8.6039	7.6917	0.0120		0.5371	0.5371		0.5125	0.5125		1,159.6570	1,159.6570	0.2211		1,165.1847
Total	0.9530	8.6039	7.6917	0.0120	0.7528	0.5371	1.2898	0.4138	0.5125	0.9263		1,159.6570	1,159.6570	0.2211		1,165.1847

681 Florida Street - San Francisco County, Winter

3.3 Grading - 2019

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
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
Worker	0.0366	0.0245	0.2530	8.6000e-004	0.0822	6.1000e-004	0.0828	0.0218	5.6000e-004	0.0224		85.3402	85.3402	2.0400e-003		85.3912
Total	0.0366	0.0245	0.2530	8.6000e-004	0.0822	6.1000e-004	0.0828	0.0218	5.6000e-004	0.0224		85.3402	85.3402	2.0400e-003		85.3912

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					0.3387	0.0000	0.3387	0.1862	0.0000	0.1862			0.0000			0.0000
Off-Road	0.9530	8.6039	7.6917	0.0120		0.5371	0.5371		0.5125	0.5125	0.0000	1,159.6570	1,159.6570	0.2211		1,165.1847
Total	0.9530	8.6039	7.6917	0.0120	0.3387	0.5371	0.8758	0.1862	0.5125	0.6987	0.0000	1,159.6570	1,159.6570	0.2211		1,165.1847

681 Florida Street - San Francisco County, Winter

3.3 Grading - 2019

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
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
Worker	0.0366	0.0245	0.2530	8.6000e-004	0.0822	6.1000e-004	0.0828	0.0218	5.6000e-004	0.0224		85.3402	85.3402	2.0400e-003		85.3912
Total	0.0366	0.0245	0.2530	8.6000e-004	0.0822	6.1000e-004	0.0828	0.0218	5.6000e-004	0.0224		85.3402	85.3402	2.0400e-003		85.3912

3.4 Building Construction - 2019

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	0.9576	9.8207	7.5432	0.0114		0.6054	0.6054		0.5569	0.5569		1,127.6696	1,127.6696	0.3568		1,136.5892
Total	0.9576	9.8207	7.5432	0.0114		0.6054	0.6054		0.5569	0.5569		1,127.6696	1,127.6696	0.3568		1,136.5892

681 Florida Street - San Francisco County, Winter

3.4 Building Construction - 2019

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
Vendor	0.0744	2.1807	0.6817	4.3600e-003	0.1080	0.0137	0.1217	0.0311	0.0131	0.0442		488.1719	488.1719	0.0680		489.8706
Worker	0.3551	0.2377	2.4539	8.3000e-003	0.7968	5.9300e-003	0.8028	0.2114	5.4600e-003	0.2168		827.7999	827.7999	0.0198		828.2947
Total	0.4296	2.4183	3.1356	0.0127	0.9048	0.0197	0.9245	0.2424	0.0186	0.2610		1,315.9718	1,315.9718	0.0877		1,318.1653

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	0.9576	9.8207	7.5432	0.0114		0.6054	0.6054		0.5569	0.5569	0.0000	1,127.6696	1,127.6696	0.3568		1,136.5892
Total	0.9576	9.8207	7.5432	0.0114		0.6054	0.6054		0.5569	0.5569	0.0000	1,127.6696	1,127.6696	0.3568		1,136.5892

681 Florida Street - San Francisco County, Winter

3.4 Building Construction - 2019

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
Vendor	0.0744	2.1807	0.6817	4.3600e-003	0.1080	0.0137	0.1217	0.0311	0.0131	0.0442		488.1719	488.1719	0.0680		489.8706
Worker	0.3551	0.2377	2.4539	8.3000e-003	0.7968	5.9300e-003	0.8028	0.2114	5.4600e-003	0.2168		827.7999	827.7999	0.0198		828.2947
Total	0.4296	2.4183	3.1356	0.0127	0.9048	0.0197	0.9245	0.2424	0.0186	0.2610		1,315.9718	1,315.9718	0.0877		1,318.1653

3.4 Building Construction - 2020

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	0.8617	8.8523	7.3875	0.0114		0.5224	0.5224		0.4806	0.4806		1,102.9781	1,102.9781	0.3567		1,111.8962
Total	0.8617	8.8523	7.3875	0.0114		0.5224	0.5224		0.4806	0.4806		1,102.9781	1,102.9781	0.3567		1,111.8962

681 Florida Street - San Francisco County, Winter

3.4 Building Construction - 2020

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
Vendor	0.0606	1.9996	0.6210	4.2900e-003	0.1080	9.0200e-003	0.1170	0.0311	8.6300e-003	0.0397		483.2025	483.2025	0.0665		484.8638
Worker	0.3297	0.2120	2.2361	8.0300e-003	0.7968	5.9000e-003	0.8027	0.2114	5.4300e-003	0.2168		801.2574	801.2574	0.0176		801.6976
Total	0.3903	2.2116	2.8570	0.0123	0.9048	0.0149	0.9197	0.2424	0.0141	0.2565		1,284.4599	1,284.4599	0.0841		1,286.5614

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	0.8617	8.8523	7.3875	0.0114		0.5224	0.5224		0.4806	0.4806	0.0000	1,102.9781	1,102.9781	0.3567		1,111.8962
Total	0.8617	8.8523	7.3875	0.0114		0.5224	0.5224		0.4806	0.4806	0.0000	1,102.9781	1,102.9781	0.3567		1,111.8962

681 Florida Street - San Francisco County, Winter

3.4 Building Construction - 2020

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
Vendor	0.0606	1.9996	0.6210	4.2900e-003	0.1080	9.0200e-003	0.1170	0.0311	8.6300e-003	0.0397		483.2025	483.2025	0.0665		484.8638
Worker	0.3297	0.2120	2.2361	8.0300e-003	0.7968	5.9000e-003	0.8027	0.2114	5.4300e-003	0.2168		801.2574	801.2574	0.0176		801.6976
Total	0.3903	2.2116	2.8570	0.0123	0.9048	0.0149	0.9197	0.2424	0.0141	0.2565		1,284.4599	1,284.4599	0.0841		1,286.5614

3.4 Building Construction - 2021

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	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117		1,103.2158	1,103.2158	0.3568		1,112.1358
Total	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117		1,103.2158	1,103.2158	0.3568		1,112.1358

681 Florida Street - San Francisco County, Winter

3.4 Building Construction - 2021

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
Vendor	0.0504	1.8299	0.5869	4.2200e-003	0.1080	4.2600e-003	0.1122	0.0311	4.0800e-003	0.0351		477.0305	477.0305	0.0651		478.6591
Worker	0.3092	0.1906	2.0663	7.7400e-003	0.7968	5.7900e-003	0.8026	0.2114	5.3300e-003	0.2167		772.6426	772.6426	0.0159		773.0393
Total	0.3596	2.0205	2.6532	0.0120	0.9048	0.0101	0.9148	0.2424	9.4100e-003	0.2518		1,249.6731	1,249.6731	0.0810		1,251.6984

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	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117	0.0000	1,103.2158	1,103.2158	0.3568		1,112.1358
Total	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117	0.0000	1,103.2158	1,103.2158	0.3568		1,112.1358

681 Florida Street - San Francisco County, Winter

3.4 Building Construction - 2021

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
Vendor	0.0504	1.8299	0.5869	4.2200e-003	0.1080	4.2600e-003	0.1122	0.0311	4.0800e-003	0.0351		477.0305	477.0305	0.0651		478.6591
Worker	0.3092	0.1906	2.0663	7.7400e-003	0.7968	5.7900e-003	0.8026	0.2114	5.3300e-003	0.2167		772.6426	772.6426	0.0159		773.0393
Total	0.3596	2.0205	2.6532	0.0120	0.9048	0.0101	0.9148	0.2424	9.4100e-003	0.2518		1,249.6731	1,249.6731	0.0810		1,251.6984

3.5 Architectural Coating - 2020

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	6.0778					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	6.3200	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

681 Florida Street - San Francisco County, Winter

3.5 Architectural Coating - 2020

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
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
Worker	0.0646	0.0415	0.4380	1.5700e-003	0.1561	1.1600e-003	0.1572	0.0414	1.0600e-003	0.0425		156.9473	156.9473	3.4500e-003		157.0336
Total	0.0646	0.0415	0.4380	1.5700e-003	0.1561	1.1600e-003	0.1572	0.0414	1.0600e-003	0.0425		156.9473	156.9473	3.4500e-003		157.0336

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	6.0778					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	6.3200	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928

681 Florida Street - San Francisco County, Winter

3.5 Architectural Coating - 2020

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
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
Worker	0.0646	0.0415	0.4380	1.5700e-003	0.1561	1.1600e-003	0.1572	0.0414	1.0600e-003	0.0425		156.9473	156.9473	3.4500e-003		157.0336
Total	0.0646	0.0415	0.4380	1.5700e-003	0.1561	1.1600e-003	0.1572	0.0414	1.0600e-003	0.0425		156.9473	156.9473	3.4500e-003		157.0336

3.5 Architectural Coating - 2021

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	6.0778					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	6.2967	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

681 Florida Street - San Francisco County, Winter

3.5 Architectural Coating - 2021

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
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
Worker	0.0606	0.0373	0.4047	1.5200e-003	0.1561	1.1300e-003	0.1572	0.0414	1.0400e-003	0.0424		151.3424	151.3424	3.1100e-003		151.4201
Total	0.0606	0.0373	0.4047	1.5200e-003	0.1561	1.1300e-003	0.1572	0.0414	1.0400e-003	0.0424		151.3424	151.3424	3.1100e-003		151.4201

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	6.0778					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	6.2967	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309

681 Florida Street - San Francisco County, Winter

3.5 Architectural Coating - 2021

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
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
Worker	0.0606	0.0373	0.4047	1.5200e-003	0.1561	1.1300e-003	0.1572	0.0414	1.0400e-003	0.0424		151.3424	151.3424	3.1100e-003		151.4201
Total	0.0606	0.0373	0.4047	1.5200e-003	0.1561	1.1300e-003	0.1572	0.0414	1.0400e-003	0.0424		151.3424	151.3424	3.1100e-003		151.4201

3.6 Paving - 2020

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	0.7716	7.2266	7.1128	0.0113		0.3950	0.3950		0.3669	0.3669		1,035.3926	1,035.3926	0.3016		1,042.9323
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7716	7.2266	7.1128	0.0113		0.3950	0.3950		0.3669	0.3669		1,035.3926	1,035.3926	0.3016		1,042.9323

681 Florida Street - San Francisco County, Winter

3.6 Paving - 2020

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
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
Worker	0.0612	0.0393	0.4149	1.4900e-003	0.1479	1.0900e-003	0.1490	0.0392	1.0100e-003	0.0402		148.6870	148.6870	3.2700e-003		148.7686
Total	0.0612	0.0393	0.4149	1.4900e-003	0.1479	1.0900e-003	0.1490	0.0392	1.0100e-003	0.0402		148.6870	148.6870	3.2700e-003		148.7686

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	0.7716	7.2266	7.1128	0.0113		0.3950	0.3950		0.3669	0.3669	0.0000	1,035.3926	1,035.3926	0.3016		1,042.9323
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7716	7.2266	7.1128	0.0113		0.3950	0.3950		0.3669	0.3669	0.0000	1,035.3926	1,035.3926	0.3016		1,042.9323

681 Florida Street - San Francisco County, Winter

3.6 Paving - 2020

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
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
Worker	0.0612	0.0393	0.4149	1.4900e-003	0.1479	1.0900e-003	0.1490	0.0392	1.0100e-003	0.0402		148.6870	148.6870	3.2700e-003		148.7686
Total	0.0612	0.0393	0.4149	1.4900e-003	0.1479	1.0900e-003	0.1490	0.0392	1.0100e-003	0.0402		148.6870	148.6870	3.2700e-003		148.7686

3.6 Paving - 2021

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	0.7214	6.7178	7.0899	0.0113		0.3534	0.3534		0.3286	0.3286		1,035.3425	1,035.3425	0.3016		1,042.8818
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7214	6.7178	7.0899	0.0113		0.3534	0.3534		0.3286	0.3286		1,035.3425	1,035.3425	0.3016		1,042.8818

681 Florida Street - San Francisco County, Winter

3.6 Paving - 2021

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
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
Worker	0.0574	0.0354	0.3834	1.4400e-003	0.1479	1.0700e-003	0.1489	0.0392	9.9000e-004	0.0402		143.3770	143.3770	2.9400e-003		143.4506
Total	0.0574	0.0354	0.3834	1.4400e-003	0.1479	1.0700e-003	0.1489	0.0392	9.9000e-004	0.0402		143.3770	143.3770	2.9400e-003		143.4506

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	0.7214	6.7178	7.0899	0.0113		0.3534	0.3534		0.3286	0.3286	0.0000	1,035.3425	1,035.3425	0.3016		1,042.8818
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7214	6.7178	7.0899	0.0113		0.3534	0.3534		0.3286	0.3286	0.0000	1,035.3425	1,035.3425	0.3016		1,042.8818

681 Florida Street - San Francisco County, Winter

3.6 Paving - 2021**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
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
Worker	0.0574	0.0354	0.3834	1.4400e-003	0.1479	1.0700e-003	0.1489	0.0392	9.9000e-004	0.0402		143.3770	143.3770	2.9400e-003		143.4506
Total	0.0574	0.0354	0.3834	1.4400e-003	0.1479	1.0700e-003	0.1489	0.0392	9.9000e-004	0.0402		143.3770	143.3770	2.9400e-003		143.4506

3.7 Site Improvements - 2020**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					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.6853	8.4307	4.0942	9.7400e-003		0.3353	0.3353		0.3085	0.3085		943.4872	943.4872	0.3051		951.1158
Total	0.6853	8.4307	4.0942	9.7400e-003	0.5303	0.3353	0.8656	0.0573	0.3085	0.3658		943.4872	943.4872	0.3051		951.1158

681 Florida Street - San Francisco County, Winter

3.7 Site Improvements - 2020**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
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
Worker	0.0170	0.0109	0.1153	4.1000e-004	0.0411	3.0000e-004	0.0414	0.0109	2.8000e-004	0.0112		41.3019	41.3019	9.1000e-004		41.3246
Total	0.0170	0.0109	0.1153	4.1000e-004	0.0411	3.0000e-004	0.0414	0.0109	2.8000e-004	0.0112		41.3019	41.3019	9.1000e-004		41.3246

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					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000
Off-Road	0.6853	8.4307	4.0942	9.7400e-003		0.3353	0.3353		0.3085	0.3085	0.0000	943.4872	943.4872	0.3051		951.1158
Total	0.6853	8.4307	4.0942	9.7400e-003	0.2386	0.3353	0.5740	0.0258	0.3085	0.3343	0.0000	943.4872	943.4872	0.3051		951.1158

681 Florida Street - San Francisco County, Winter

3.7 Site Improvements - 2020

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
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
Worker	0.0170	0.0109	0.1153	4.1000e-004	0.0411	3.0000e-004	0.0414	0.0109	2.8000e-004	0.0112		41.3019	41.3019	9.1000e-004		41.3246
Total	0.0170	0.0109	0.1153	4.1000e-004	0.0411	3.0000e-004	0.0414	0.0109	2.8000e-004	0.0112		41.3019	41.3019	9.1000e-004		41.3246

3.7 Site Improvements - 2021

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					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.6403	7.8204	4.0274	9.7300e-003		0.2995	0.2995		0.2755	0.2755		942.5842	942.5842	0.3049		950.2055
Total	0.6403	7.8204	4.0274	9.7300e-003	0.5303	0.2995	0.8297	0.0573	0.2755	0.3328		942.5842	942.5842	0.3049		950.2055

681 Florida Street - San Francisco County, Winter

3.7 Site Improvements - 2021

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
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
Worker	0.0159	9.8300e-003	0.1065	4.0000e-004	0.0411	3.0000e-004	0.0414	0.0109	2.7000e-004	0.0112		39.8269	39.8269	8.2000e-004		39.8474
Total	0.0159	9.8300e-003	0.1065	4.0000e-004	0.0411	3.0000e-004	0.0414	0.0109	2.7000e-004	0.0112		39.8269	39.8269	8.2000e-004		39.8474

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					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000
Off-Road	0.6403	7.8204	4.0274	9.7300e-003		0.2995	0.2995		0.2755	0.2755	0.0000	942.5842	942.5842	0.3049		950.2055
Total	0.6403	7.8204	4.0274	9.7300e-003	0.2386	0.2995	0.5381	0.0258	0.2755	0.3013	0.0000	942.5842	942.5842	0.3049		950.2055

681 Florida Street - San Francisco County, Winter

3.7 Site Improvements - 2021

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
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
Worker	0.0159	9.8300e-003	0.1065	4.0000e-004	0.0411	3.0000e-004	0.0414	0.0109	2.7000e-004	0.0112		39.8269	39.8269	8.2000e-004		39.8474
Total	0.0159	9.8300e-003	0.1065	4.0000e-004	0.0411	3.0000e-004	0.0414	0.0109	2.7000e-004	0.0112		39.8269	39.8269	8.2000e-004		39.8474

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

681 Florida Street - San Francisco County, Winter

	ROG	NOx	CO	SO2	Fugitive 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	1.0464	4.2496	12.0384	0.0419	3.8050	0.0470	3.8520	1.0217	0.0440	1.0657		4,242.601 1	4,242.601 1	0.1826		4,247.166 2
Unmitigated	1.0464	4.2496	12.0384	0.0419	3.8050	0.0470	3.8520	1.0217	0.0440	1.0657		4,242.601 1	4,242.601 1	0.1826		4,247.166 2

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments High Rise	546.00	647.40	474.50	1,270,911	1,270,911
Office Park	114.66	16.47	7.63	213,883	213,883
Total	660.66	663.87	482.13	1,484,794	1,484,794

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
Apartments High Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Office Park	9.50	7.30	7.30	33.00	48.00	19.00	82	15	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments High Rise	0.605720	0.039347	0.191789	0.088945	0.014469	0.004989	0.029396	0.009044	0.004299	0.004006	0.006568	0.000937	0.000492
Office Park	0.605720	0.039347	0.191789	0.088945	0.014469	0.004989	0.029396	0.009044	0.004299	0.004006	0.006568	0.000937	0.000492

681 Florida Street - San Francisco County, Winter

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	0.0391	0.3368	0.1641	2.1300e-003		0.0270	0.0270		0.0270	0.0270		426.0436	426.0436	8.1700e-003	7.8100e-003	428.5754
NaturalGas Unmitigated	0.0391	0.3368	0.1641	2.1300e-003		0.0270	0.0270		0.0270	0.0270		426.0436	426.0436	8.1700e-003	7.8100e-003	428.5754

681 Florida Street - San Francisco County, Winter

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					
Apartments High Rise	3109.47	0.0335	0.2866	0.1219	1.8300e-003		0.0232	0.0232		0.0232	0.0232		365.8198	365.8198	7.0100e-003	6.7100e-003	367.9937
Office Park	511.902	5.5200e-003	0.0502	0.0422	3.0000e-004		3.8100e-003	3.8100e-003		3.8100e-003	3.8100e-003		60.2238	60.2238	1.1500e-003	1.1000e-003	60.5817
Total		0.0391	0.3368	0.1641	2.1300e-003		0.0270	0.0270		0.0270	0.0270		426.0436	426.0436	8.1600e-003	7.8100e-003	428.5754

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					
Apartments High Rise	3.10947	0.0335	0.2866	0.1219	1.8300e-003		0.0232	0.0232		0.0232	0.0232		365.8198	365.8198	7.0100e-003	6.7100e-003	367.9937
Office Park	0.511902	5.5200e-003	0.0502	0.0422	3.0000e-004		3.8100e-003	3.8100e-003		3.8100e-003	3.8100e-003		60.2238	60.2238	1.1500e-003	1.1000e-003	60.5817
Total		0.0391	0.3368	0.1641	2.1300e-003		0.0270	0.0270		0.0270	0.0270		426.0436	426.0436	8.1600e-003	7.8100e-003	428.5754

6.0 Area Detail

6.1 Mitigation Measures Area

681 Florida Street - San Francisco County, Winter

	ROG	NOx	CO	SO2	Fugitive 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	57.5238	1.3058	81.3740	0.1367		10.0872	10.0872		10.0872	10.0872	1,088.2100	501.0787	1,589.2887	1.5078	0.0769	1,649.9051
Unmitigated	57.5238	1.3058	81.3740	0.1367		10.0872	10.0872		10.0872	10.0872	1,088.2100	501.0787	1,589.2887	1.5078	0.0769	1,649.9051

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	0.5620					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.1736					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	53.4638	1.1819	70.6363	0.1361		10.0279	10.0279		10.0279	10.0279	1,088.2100	481.7647	1,569.9747	1.4892	0.0769	1,630.1251
Landscaping	0.3244	0.1238	10.7377	5.7000e-004		0.0593	0.0593		0.0593	0.0593		19.3140	19.3140	0.0186		19.7799
Total	57.5238	1.3058	81.3740	0.1367		10.0872	10.0872		10.0872	10.0872	1,088.2100	501.0787	1,589.2887	1.5078	0.0769	1,649.9051

681 Florida Street - San Francisco County, Winter

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	0.5620					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.1736					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	53.4638	1.1819	70.6363	0.1361		10.0279	10.0279		10.0279	10.0279	1,088.2100	481.7647	1,569.9747	1.4892	0.0769	1,630.1251
Landscaping	0.3244	0.1238	10.7377	5.7000e-004		0.0593	0.0593		0.0593	0.0593		19.3140	19.3140	0.0186		19.7799
Total	57.5238	1.3058	81.3740	0.1367		10.0872	10.0872		10.0872	10.0872	1,088.2100	501.0787	1,589.2887	1.5078	0.0769	1,649.9051

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
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10.0 Stationary Equipment

681 Florida Street - San Francisco County, Winter

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

Greenhouse Gas Emission Worksheet
N2O Mobile Emissions

From CalEEMod Vehicle Fleet Mix Output:

Annual VMT: 1,484,794

Vehicle Type	Percent Type	CH4 Emission Factor (g/mile)*	CH4 Emission (g/mile)**	N2O Emission Factor (g/mile)*	N2O Emission (g/mile)**
Light Auto	60.6%	0.04	0.0242288	0.04	0.024229
Light Truck < 3750 lbs	3.9%	0.05	0.0019674	0.06	0.002361
Light Truck 3751-5750 lbs	19.2%	0.05	0.0095895	0.06	0.011507
Med Truck 5751-8500 lbs	8.9%	0.12	0.0106734	0.2	0.017789
Lite-Heavy Truck 8501-10,000 lbs	1.4%	0.12	0.0017363	0.2	0.002894
Lite-Heavy Truck 10,001-14,000 lbs	0.5%	0.09	0.000449	0.125	0.000624
Med-Heavy Truck 14,001-33,000 lbs	2.9%	0.06	0.0017638	0.05	0.00147
Heavy-Heavy Truck 33,001-60,000 lbs	0.9%	0.06	0.0005426	0.05	0.000452
Other Bus	0.4%	0.06	0.0002579	0.05	0.000215
Urban Bus	0.4%	0.06	0.0002404	0.05	0.0002
Motorcycle	0.7%	0.09	0.0005911	0.01	6.57E-05
School Bus	0.1%	0.06	5.622E-05	0.05	4.69E-05
Motor Home	0.0%	0.09	4.428E-05	0.125	6.15E-05
Total	100.0%		0.0521406		0.061915

Total Emissions (metric tons) =

Emission Factor by Vehicle Mix (g/mi) x Annual VMT(mi) x 0.000001 metric tons/g

Conversion to Carbon Dioxide Equivalency (CO2e) Units based on Global Warming Potential (GWP)

CH4 21 GWP
 N2O 310 GWP
 1 ton (short, US) = 0.90718474 metric ton

Annual Mobile Emissions:

Total Emissions **Total CO2e units**
 N2O Emissions: 0.0919 metric tons N2O **28.50** metric tons CO2e

Project Total: 28.50 metric tons CO2e

References

* from Table C.4: Methane and Nitrous Oxide Emission Factors for Mobile Sources by Vehicle and Fuel Type (g/mile).

in California Climate Action Registry General Reporting Protocol, Reporting Entity-Wide Greenhouse Gas Emissions, Version 3.1, January 2009.

Assume Model year 2000-present, gasoline fueled.

** Source: California Climate Action Registry General Reporting Protocol, Reporting Entity-Wide Greenhouse Gas Emissions, Version 3.1, January 2009.