
APPENDIX A

Air Pollutant and Greenhouse Gas Emissions
Modeling Calculations

Remarks for the 603 Sutter Street Building Project Air Pollutant and Greenhouse Gas Emissions Modeling Calculations

July 2019

For the 603 Sutter Street Building project Initial Study (IS), air pollutant and greenhouse gas (GHG) emissions from construction activities and operation of the project were estimated using CalEEMod (Version 2016.3.2). These modeling scenarios were prepared in accordance with the Sacramento Metropolitan Air Quality Management District (SMAQMD) California Environmental Quality Act (CEQA) Guide to Air Quality Assessment and associated documents.

Assumptions used to complete the modeling for each project scenario are outlined below. Air pollutant emissions were calculated for maximum daily construction activity and GHG emissions for the entire construction period. Construction was estimated to begin in 2020. Should construction be delayed, the calculations for construction year 2020 would represent a conservative, slight overestimate of emissions for later year construction since newer equipment tends to have less emissions than older equipment.

603 Sutter Street Project – Construction and Operation

Remarks are typically used in CalEEMod to explain non-default inputs. For the current modeling this document replaces the remarks section of the referenced CalEEMod model to provide more space to both identify non-default inputs and to explain how CalEEMod is used to calculate emissions for the current project. When defaults were retained and no further explanation was necessary, no remarks are recorded below.

603 Sutter Street Model Run – 2021 Operations

Land Use

- This analysis uses land use estimates from the Traffic Impact Assessment prepared for the project, including: 10,300 square feet of office use (General Office Building), 2,500 square feet of retail (Shopping Center), and 2,500 square feet of restaurant (High-Turnover (Sit-Down) Restaurant). The project includes a 3-story building on an infill parcel surrounded by developed land uses on 0.17 acre (7,400 square feet parcel). There would be no onsite parking. The lot acreage was split between the office, retail, and restaurant uses.

Construction Phase

- No demolition. The proposed project would be constructed in a single phase beginning in early 2020 and lasting approximately 12.5 months, with a 2.5 month grading phase. Default construction equipment was used since no project specific information was available. Default equipment with an extended schedule would be a conservative approach.
- 2,800 cubic yards of fill removed

Vehicle Trips

- The default rates in CalEEMod were used. While the trips are greater than that represented in the Traffic Impact Assessment, it would provide a conservative estimate of trips and VMT.

Vegetation

- The site would be converted from an empty lot with trees and shrubs to developed uses.

Construction Off-road Equipment Mitigation

- Mitigation Measure AQ-1 SMAQMD requirements includes watering exposed areas twice a day, reduced vehicle speed of 15 mph on unpaved roads, and clean roads (with 9 percent reduction).

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	10.30	1000sqft	0.06	10,300.00	0
High Turnover (Sit Down Restaurant)	2.50	1000sqft	0.06	2,500.00	0
Regional Shopping Center	2.50	1000sqft	0.06	2,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2021
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	590.31	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

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Project Characteristics -

Land Use - See remarks

Construction Phase - See remarks

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Grading -

Land Use Change -

Construction Off-road Equipment Mitigation - See Remarks

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	1.00	11.00
tblConstructionPhase	NumDays	2.00	53.00
tblConstructionPhase	NumDays	100.00	185.00
tblConstructionPhase	NumDays	5.00	10.00
tblConstructionPhase	NumDays	5.00	10.00
tblGrading	MaterialExported	0.00	2,800.00
tblLandUse	LotAcreage	0.24	0.06
tblLandUse	LotAcreage	0.06	0.06
tblLandUse	LotAcreage	0.06	0.06

2.0 Emissions Summary

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2020	3-31-2020	0.3410	0.3410
2	4-1-2020	6-30-2020	0.3279	0.3279
3	7-1-2020	9-30-2020	0.3315	0.3315
4	10-1-2020	12-31-2020	0.3283	0.3283
5	1-1-2021	3-31-2021	0.0626	0.0626
		Highest	0.3410	0.3410

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0669	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.8000e-004	3.8000e-004	0.0000	0.0000	4.0000e-004
Energy	3.2000e-003	0.0291	0.0244	1.7000e-004		2.2100e-003	2.2100e-003		2.2100e-003	2.2100e-003	0.0000	107.1205	107.1205	4.3100e-003	1.3500e-003	107.6298
Mobile	0.1327	0.4855	1.1501	2.9100e-003	0.2298	2.8200e-003	0.2327	0.0616	2.6400e-003	0.0643	0.0000	267.3371	267.3371	0.0153	0.0000	267.7192
Waste						0.0000	0.0000		0.0000	0.0000	8.5175	0.0000	8.5175	0.5034	0.0000	21.1018
Water						0.0000	0.0000		0.0000	0.0000	0.9817	4.9051	5.8868	3.6200e-003	2.1800e-003	6.6283
Total	0.2028	0.5145	1.1747	3.0800e-003	0.2298	5.0300e-003	0.2349	0.0616	4.8500e-003	0.0665	9.4992	379.3630	388.8622	0.5266	3.5300e-003	403.0795

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2.3 Vegetation

Vegetation

	CO2e
Category	MT
Vegetation Land Change	-2.4310
Total	-2.4310

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	1/1/2020	1/15/2020	5	11	
2	Grading	Grading	1/16/2020	3/30/2020	5	53	
3	Building Construction	Building Construction	3/31/2020	12/14/2020	5	185	
4	Paving	Paving	12/15/2020	12/28/2020	5	10	
5	Architectural Coating	Architectural Coating	12/29/2020	1/11/2021	5	10	

Acres of Grading (Site Preparation Phase): 5.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 22,950; Non-Residential Outdoor: 7,650; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

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
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
Architectural Coating	Air Compressors	1	6.00	78	0.48

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	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	350.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	5.00	3.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	1.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

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3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation - 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					2.9200e-003	0.0000	2.9200e-003	3.1000e-004	0.0000	3.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.7700e-003	0.0464	0.0225	5.0000e-005		1.8400e-003	1.8400e-003		1.7000e-003	1.7000e-003	0.0000	4.7075	4.7075	1.5200e-003	0.0000	4.7456
Total	3.7700e-003	0.0464	0.0225	5.0000e-005	2.9200e-003	1.8400e-003	4.7600e-003	3.1000e-004	1.7000e-003	2.0100e-003	0.0000	4.7075	4.7075	1.5200e-003	0.0000	4.7456

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3.2 Site Preparation - 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	1.0000e-004	7.0000e-005	7.6000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	6.0000e-005	0.0000	0.1790	0.1790	1.0000e-005	0.0000	0.1791
Total	1.0000e-004	7.0000e-005	7.6000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	6.0000e-005	0.0000	0.1790	0.1790	1.0000e-005	0.0000	0.1791

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					1.3100e-003	0.0000	1.3100e-003	1.4000e-004	0.0000	1.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.7700e-003	0.0464	0.0225	5.0000e-005		1.8400e-003	1.8400e-003		1.7000e-003	1.7000e-003	0.0000	4.7075	4.7075	1.5200e-003	0.0000	4.7456
Total	3.7700e-003	0.0464	0.0225	5.0000e-005	1.3100e-003	1.8400e-003	3.1500e-003	1.4000e-004	1.7000e-003	1.8400e-003	0.0000	4.7075	4.7075	1.5200e-003	0.0000	4.7456

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3.2 Site Preparation - 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	1.0000e-004	7.0000e-005	7.6000e-004	0.0000	1.9000e-004	0.0000	1.9000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1790	0.1790	1.0000e-005	0.0000	0.1791
Total	1.0000e-004	7.0000e-005	7.6000e-004	0.0000	1.9000e-004	0.0000	1.9000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1790	0.1790	1.0000e-005	0.0000	0.1791

3.3 Grading - 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					0.0202	0.0000	0.0202	0.0110	0.0000	0.0110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0230	0.2086	0.2020	3.2000e-004		0.0124	0.0124		0.0118	0.0118	0.0000	27.5800	27.5800	5.2100e-003	0.0000	27.7104
Total	0.0230	0.2086	0.2020	3.2000e-004	0.0202	0.0124	0.0326	0.0110	0.0118	0.0228	0.0000	27.5800	27.5800	5.2100e-003	0.0000	27.7104

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3.3 Grading - 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	1.3400e-003	0.0503	0.0114	1.4000e-004	2.9500e-003	1.8000e-004	3.1300e-003	8.1000e-004	1.7000e-004	9.8000e-004	0.0000	13.3897	13.3897	7.8000e-004	0.0000	13.4091
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	9.9000e-004	6.7000e-004	7.3400e-003	2.0000e-005	1.9500e-003	1.0000e-005	1.9600e-003	5.2000e-004	1.0000e-005	5.3000e-004	0.0000	1.7245	1.7245	5.0000e-005	0.0000	1.7257
Total	2.3300e-003	0.0510	0.0187	1.6000e-004	4.9000e-003	1.9000e-004	5.0900e-003	1.3300e-003	1.8000e-004	1.5100e-003	0.0000	15.1141	15.1141	8.3000e-004	0.0000	15.1348

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					9.1100e-003	0.0000	9.1100e-003	4.9500e-003	0.0000	4.9500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0230	0.2086	0.2020	3.2000e-004		0.0124	0.0124		0.0118	0.0118	0.0000	27.5800	27.5800	5.2100e-003	0.0000	27.7103
Total	0.0230	0.2086	0.2020	3.2000e-004	9.1100e-003	0.0124	0.0215	4.9500e-003	0.0118	0.0168	0.0000	27.5800	27.5800	5.2100e-003	0.0000	27.7103

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3.3 Grading - 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	1.3400e-003	0.0503	0.0114	1.4000e-004	2.7500e-003	1.8000e-004	2.9300e-003	7.6000e-004	1.7000e-004	9.3000e-004	0.0000	13.3897	13.3897	7.8000e-004	0.0000	13.4091
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	9.9000e-004	6.7000e-004	7.3400e-003	2.0000e-005	1.7900e-003	1.0000e-005	1.8100e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.7245	1.7245	5.0000e-005	0.0000	1.7257
Total	2.3300e-003	0.0510	0.0187	1.6000e-004	4.5400e-003	1.9000e-004	4.7400e-003	1.2400e-003	1.8000e-004	1.4200e-003	0.0000	15.1141	15.1141	8.3000e-004	0.0000	15.1348

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	0.0797	0.8188	0.6833	1.0500e-003		0.0483	0.0483		0.0445	0.0445	0.0000	92.5560	92.5560	0.0299	0.0000	93.3043
Total	0.0797	0.8188	0.6833	1.0500e-003		0.0483	0.0483		0.0445	0.0445	0.0000	92.5560	92.5560	0.0299	0.0000	93.3043

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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	1.0600e-003	0.0311	8.6800e-003	7.0000e-005	1.6200e-003	1.6000e-004	1.7800e-003	4.7000e-004	1.5000e-004	6.2000e-004	0.0000	6.5660	6.5660	3.9000e-004	0.0000	6.5757
Worker	1.7200e-003	1.1700e-003	0.0128	3.0000e-005	3.4000e-003	2.0000e-005	3.4200e-003	9.0000e-004	2.0000e-005	9.3000e-004	0.0000	3.0097	3.0097	9.0000e-005	0.0000	3.0118
Total	2.7800e-003	0.0323	0.0215	1.0000e-004	5.0200e-003	1.8000e-004	5.2000e-003	1.3700e-003	1.7000e-004	1.5500e-003	0.0000	9.5757	9.5757	4.8000e-004	0.0000	9.5875

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	0.0797	0.8188	0.6833	1.0500e-003		0.0483	0.0483		0.0445	0.0445	0.0000	92.5558	92.5558	0.0299	0.0000	93.3042
Total	0.0797	0.8188	0.6833	1.0500e-003		0.0483	0.0483		0.0445	0.0445	0.0000	92.5558	92.5558	0.0299	0.0000	93.3042

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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	1.0600e-003	0.0311	8.6800e-003	7.0000e-005	1.5200e-003	1.6000e-004	1.6800e-003	4.4000e-004	1.5000e-004	6.0000e-004	0.0000	6.5660	6.5660	3.9000e-004	0.0000	6.5757
Worker	1.7200e-003	1.1700e-003	0.0128	3.0000e-005	3.1300e-003	2.0000e-005	3.1600e-003	8.4000e-004	2.0000e-005	8.6000e-004	0.0000	3.0097	3.0097	9.0000e-005	0.0000	3.0118
Total	2.7800e-003	0.0323	0.0215	1.0000e-004	4.6500e-003	1.8000e-004	4.8400e-003	1.2800e-003	1.7000e-004	1.4600e-003	0.0000	9.5757	9.5757	4.8000e-004	0.0000	9.5875

3.5 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	3.8600e-003	0.0361	0.0356	6.0000e-005		1.9800e-003	1.9800e-003		1.8300e-003	1.8300e-003	0.0000	4.6965	4.6965	1.3700e-003	0.0000	4.7307
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.8600e-003	0.0361	0.0356	6.0000e-005		1.9800e-003	1.9800e-003		1.8300e-003	1.8300e-003	0.0000	4.6965	4.6965	1.3700e-003	0.0000	4.7307

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3.5 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	3.4000e-004	2.3000e-004	2.4900e-003	1.0000e-005	6.6000e-004	0.0000	6.7000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5857	0.5857	2.0000e-005	0.0000	0.5861
Total	3.4000e-004	2.3000e-004	2.4900e-003	1.0000e-005	6.6000e-004	0.0000	6.7000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5857	0.5857	2.0000e-005	0.0000	0.5861

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	3.8600e-003	0.0361	0.0356	6.0000e-005		1.9800e-003	1.9800e-003		1.8300e-003	1.8300e-003	0.0000	4.6965	4.6965	1.3700e-003	0.0000	4.7307
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.8600e-003	0.0361	0.0356	6.0000e-005		1.9800e-003	1.9800e-003		1.8300e-003	1.8300e-003	0.0000	4.6965	4.6965	1.3700e-003	0.0000	4.7307

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3.5 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	3.4000e-004	2.3000e-004	2.4900e-003	1.0000e-005	6.1000e-004	0.0000	6.1000e-004	1.6000e-004	0.0000	1.7000e-004	0.0000	0.5857	0.5857	2.0000e-005	0.0000	0.5861
Total	3.4000e-004	2.3000e-004	2.4900e-003	1.0000e-005	6.1000e-004	0.0000	6.1000e-004	1.6000e-004	0.0000	1.7000e-004	0.0000	0.5857	0.5857	2.0000e-005	0.0000	0.5861

3.6 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	0.0213					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.6000e-004	2.5300e-003	2.7500e-003	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	0.3830	0.3830	3.0000e-005	0.0000	0.3837
Total	0.0216	2.5300e-003	2.7500e-003	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	0.3830	0.3830	3.0000e-005	0.0000	0.3837

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3.6 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	1.0000e-005	0.0000	4.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	9.7600e-003	9.7600e-003	0.0000	0.0000	9.7700e-003
Total	1.0000e-005	0.0000	4.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	9.7600e-003	9.7600e-003	0.0000	0.0000	9.7700e-003

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	0.0213					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.6000e-004	2.5300e-003	2.7500e-003	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	0.3830	0.3830	3.0000e-005	0.0000	0.3837
Total	0.0216	2.5300e-003	2.7500e-003	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	0.3830	0.3830	3.0000e-005	0.0000	0.3837

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3.6 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	1.0000e-005	0.0000	4.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	9.7600e-003	9.7600e-003	0.0000	0.0000	9.7700e-003
Total	1.0000e-005	0.0000	4.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	9.7600e-003	9.7600e-003	0.0000	0.0000	9.7700e-003

3.6 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	0.0496					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7000e-004	5.3400e-003	6.3600e-003	1.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	0.8936	0.8936	6.0000e-005	0.0000	0.8952
Total	0.0504	5.3400e-003	6.3600e-003	1.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	0.8936	0.8936	6.0000e-005	0.0000	0.8952

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3.6 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	1.0000e-005	1.0000e-005	9.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0220	0.0220	0.0000	0.0000	0.0220
Total	1.0000e-005	1.0000e-005	9.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0220	0.0220	0.0000	0.0000	0.0220

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	0.0496					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7000e-004	5.3400e-003	6.3600e-003	1.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	0.8936	0.8936	6.0000e-005	0.0000	0.8952
Total	0.0504	5.3400e-003	6.3600e-003	1.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	0.8936	0.8936	6.0000e-005	0.0000	0.8952

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3.6 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	1.0000e-005	1.0000e-005	9.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0220	0.0220	0.0000	0.0000	0.0220
Total	1.0000e-005	1.0000e-005	9.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0220	0.0220	0.0000	0.0000	0.0220

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	0.1327	0.4855	1.1501	2.9100e-003	0.2298	2.8200e-003	0.2327	0.0616	2.6400e-003	0.0643	0.0000	267.3371	267.3371	0.0153	0.0000	267.7192
Unmitigated	0.1327	0.4855	1.1501	2.9100e-003	0.2298	2.8200e-003	0.2327	0.0616	2.6400e-003	0.0643	0.0000	267.3371	267.3371	0.0153	0.0000	267.7192

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	113.61	25.34	10.82	178,247	178,247
High Turnover (Sit Down Restaurant)	317.88	395.93	329.60	293,859	293,859
Regional Shopping Center	106.75	124.93	63.10	144,077	144,077
Total	538.23	546.19	403.52	616,183	616,183

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
General Office Building	10.00	5.00	6.50	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down)	10.00	5.00	6.50	8.50	72.50	19.00	37	20	43
Regional Shopping Center	10.00	5.00	6.50	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

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Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.555851	0.039752	0.205040	0.120748	0.020349	0.005402	0.018507	0.022668	0.002052	0.002157	0.005939	0.000618	0.000915
High Turnover (Sit Down Restaurant)	0.555851	0.039752	0.205040	0.120748	0.020349	0.005402	0.018507	0.022668	0.002052	0.002157	0.005939	0.000618	0.000915
Regional Shopping Center	0.555851	0.039752	0.205040	0.120748	0.020349	0.005402	0.018507	0.022668	0.002052	0.002157	0.005939	0.000618	0.000915

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	75.4901	75.4901	3.7100e-003	7.7000e-004	75.8115
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	75.4901	75.4901	3.7100e-003	7.7000e-004	75.8115
NaturalGas Mitigated	3.2000e-003	0.0291	0.0244	1.7000e-004		2.2100e-003	2.2100e-003		2.2100e-003	2.2100e-003	0.0000	31.6303	31.6303	6.1000e-004	5.8000e-004	31.8183
NaturalGas Unmitigated	3.2000e-003	0.0291	0.0244	1.7000e-004		2.2100e-003	2.2100e-003		2.2100e-003	2.2100e-003	0.0000	31.6303	31.6303	6.1000e-004	5.8000e-004	31.8183

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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					
General Office Building	134930	7.3000e-004	6.6100e-003	5.5600e-003	4.0000e-005		5.0000e-004	5.0000e-004		5.0000e-004	5.0000e-004	0.0000	7.2004	7.2004	1.4000e-004	1.3000e-004	7.2432
High Turnover (Sit Down Restaurant)	444250	2.4000e-003	0.0218	0.0183	1.3000e-004		1.6600e-003	1.6600e-003		1.6600e-003	1.6600e-003	0.0000	23.7069	23.7069	4.5000e-004	4.3000e-004	23.8478
Regional Shopping Center	13550	7.0000e-005	6.6000e-004	5.6000e-004	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.7231	0.7231	1.0000e-005	1.0000e-005	0.7274
Total		3.2000e-003	0.0291	0.0244	1.7000e-004		2.2100e-003	2.2100e-003		2.2100e-003	2.2100e-003	0.0000	31.6303	31.6303	6.0000e-004	5.7000e-004	31.8183

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					
General Office Building	134930	7.3000e-004	6.6100e-003	5.5600e-003	4.0000e-005		5.0000e-004	5.0000e-004		5.0000e-004	5.0000e-004	0.0000	7.2004	7.2004	1.4000e-004	1.3000e-004	7.2432
High Turnover (Sit Down Restaurant)	444250	2.4000e-003	0.0218	0.0183	1.3000e-004		1.6600e-003	1.6600e-003		1.6600e-003	1.6600e-003	0.0000	23.7069	23.7069	4.5000e-004	4.3000e-004	23.8478
Regional Shopping Center	13550	7.0000e-005	6.6000e-004	5.6000e-004	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.7231	0.7231	1.0000e-005	1.0000e-005	0.7274
Total		3.2000e-003	0.0291	0.0244	1.7000e-004		2.2100e-003	2.2100e-003		2.2100e-003	2.2100e-003	0.0000	31.6303	31.6303	6.0000e-004	5.7000e-004	31.8183

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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			
General Office Building	148732	39.8245	1.9600e-003	4.0000e-004	39.9940
High Turnover (Sit Down Restaurant)	104275	27.9207	1.3700e-003	2.8000e-004	28.0396
Regional Shopping Center	28925	7.7450	3.8000e-004	8.0000e-005	7.7779
Total		75.4902	3.7100e-003	7.6000e-004	75.8115

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	148732	39.8245	1.9600e-003	4.0000e-004	39.9940
High Turnover (Sit Down Restaurant)	104275	27.9207	1.3700e-003	2.8000e-004	28.0396
Regional Shopping Center	28925	7.7450	3.8000e-004	8.0000e-005	7.7779
Total		75.4902	3.7100e-003	7.6000e-004	75.8115

6.0 Area Detail

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6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive 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	0.0669	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.8000e-004	3.8000e-004	0.0000	0.0000	4.0000e-004
Unmitigated	0.0669	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.8000e-004	3.8000e-004	0.0000	0.0000	4.0000e-004

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	7.0900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0598					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.8000e-004	3.8000e-004	0.0000	0.0000	4.0000e-004
Total	0.0669	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.8000e-004	3.8000e-004	0.0000	0.0000	4.0000e-004

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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	7.0900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0598					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.8000e-004	3.8000e-004	0.0000	0.0000	4.0000e-004
Total	0.0669	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.8000e-004	3.8000e-004	0.0000	0.0000	4.0000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	5.8868	3.6200e-003	2.1800e-003	6.6283
Unmitigated	5.8868	3.6200e-003	2.1800e-003	6.6283

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	1.83066 / 1.12202	4.1416	2.4000e-003	1.4400e-003	4.6319
High Turnover (Sit Down Restaurant)	0.758834 / 0.0484362	1.3263	9.8000e-004	5.9000e-004	1.5279
Regional Shopping Center	0.185181 / 0.113498	0.4189	2.4000e-004	1.5000e-004	0.4685
Total		5.8868	3.6200e-003	2.1800e-003	6.6283

603 Sutter Street - Sacramento County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	1.83066 / 1.12202	4.1416	2.4000e-003	1.4400e-003	4.6319
High Turnover (Sit Down Restaurant)	0.758834 / 0.0484362	1.3263	9.8000e-004	5.9000e-004	1.5279
Regional Shopping Center	0.185181 / 0.113498	0.4189	2.4000e-004	1.5000e-004	0.4685
Total		5.8868	3.6200e-003	2.1800e-003	6.6283

8.0 Waste Detail

8.1 Mitigation Measures Waste

603 Sutter Street - Sacramento County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	8.5175	0.5034	0.0000	21.1018
Unmitigated	8.5175	0.5034	0.0000	21.1018

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	9.58	1.9447	0.1149	0.0000	4.8178
High Turnover (Sit Down Restaurant)	29.75	6.0390	0.3569	0.0000	14.9613
Regional Shopping Center	2.63	0.5339	0.0316	0.0000	1.3226
Total		8.5175	0.5034	0.0000	21.1018

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8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	9.58	1.9447	0.1149	0.0000	4.8178
High Turnover (Sit Down Restaurant)	29.75	6.0390	0.3569	0.0000	14.9613
Regional Shopping Center	2.63	0.5339	0.0316	0.0000	1.3226
Total		8.5175	0.5034	0.0000	21.1018

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

	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	-2.4310	0.0000	0.0000	-2.4310

11.1 Vegetation Land Change

Vegetation Type

	Initial/Final	Total CO2	CH4	N2O	CO2e
	Acres	MT			
Scrub	0.17 / 0	-2.4310	0.0000	0.0000	-2.4310
Total		-2.4310	0.0000	0.0000	-2.4310

603 Sutter Street - Sacramento County, Summer

603 Sutter Street
Sacramento County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	10.30	1000sqft	0.06	10,300.00	0
High Turnover (Sit Down Restaurant)	2.50	1000sqft	0.06	2,500.00	0
Regional Shopping Center	2.50	1000sqft	0.06	2,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2021
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	590.31	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

603 Sutter Street - Sacramento County, Summer

Project Characteristics -

Land Use - See remarks

Construction Phase - See remarks

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Grading -

Land Use Change -

Construction Off-road Equipment Mitigation - See Remarks

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	1.00	11.00
tblConstructionPhase	NumDays	2.00	53.00
tblConstructionPhase	NumDays	100.00	185.00
tblConstructionPhase	NumDays	5.00	10.00
tblConstructionPhase	NumDays	5.00	10.00
tblGrading	MaterialExported	0.00	2,800.00
tblLandUse	LotAcreage	0.24	0.06
tblLandUse	LotAcreage	0.06	0.06
tblLandUse	LotAcreage	0.06	0.06

2.0 Emissions Summary

603 Sutter Street - Sacramento 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	0.3664	1.0000e-005	1.5700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.3500e-003	3.3500e-003	1.0000e-005		3.5700e-003
Energy	0.0175	0.1592	0.1337	9.6000e-004		0.0121	0.0121		0.0121	0.0121		191.0492	191.0492	3.6600e-003	3.5000e-003	192.1845
Mobile	1.1650	3.1818	8.2441	0.0213	1.6145	0.0189	1.6334	0.4317	0.0177	0.4494		2,154.7552	2,154.7552	0.1144		2,157.6144
Total	1.5489	3.3410	8.3794	0.0223	1.6145	0.0310	1.6455	0.4317	0.0298	0.4615		2,345.8077	2,345.8077	0.1180	3.5000e-003	2,349.8024

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	0.3664	1.0000e-005	1.5700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.3500e-003	3.3500e-003	1.0000e-005		3.5700e-003
Energy	0.0175	0.1592	0.1337	9.6000e-004		0.0121	0.0121		0.0121	0.0121		191.0492	191.0492	3.6600e-003	3.5000e-003	192.1845
Mobile	1.1650	3.1818	8.2441	0.0213	1.6145	0.0189	1.6334	0.4317	0.0177	0.4494		2,154.7552	2,154.7552	0.1144		2,157.6144
Total	1.5489	3.3410	8.3794	0.0223	1.6145	0.0310	1.6455	0.4317	0.0298	0.4615		2,345.8077	2,345.8077	0.1180	3.5000e-003	2,349.8024

603 Sutter Street - Sacramento 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	1/1/2020	1/15/2020	5	11	
2	Grading	Grading	1/16/2020	3/30/2020	5	53	
3	Building Construction	Building Construction	3/31/2020	12/14/2020	5	185	
4	Paving	Paving	12/15/2020	12/28/2020	5	10	
5	Architectural Coating	Architectural Coating	12/29/2020	1/11/2021	5	10	

Acres of Grading (Site Preparation Phase): 5.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 22,950; Non-Residential Outdoor: 7,650; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

603 Sutter Street - Sacramento 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
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
Architectural Coating	Air Compressors	1	6.00	78	0.48

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	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	350.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	5.00	3.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	1.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

603 Sutter Street - Sacramento County, Summer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation - 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

603 Sutter Street - Sacramento County, Summer

3.2 Site Preparation - 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	0.0216	0.0114	0.1633	4.0000e-004	0.0380	2.6000e-004	0.0383	0.0101	2.4000e-004	0.0103		39.6757	39.6757	1.1400e-003		39.7041
Total	0.0216	0.0114	0.1633	4.0000e-004	0.0380	2.6000e-004	0.0383	0.0101	2.4000e-004	0.0103		39.6757	39.6757	1.1400e-003		39.7041

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

603 Sutter Street - Sacramento County, Summer

3.2 Site Preparation - 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	0.0216	0.0114	0.1633	4.0000e-004	0.0351	2.6000e-004	0.0353	9.3600e-003	2.4000e-004	9.6000e-003		39.6757	39.6757	1.1400e-003		39.7041
Total	0.0216	0.0114	0.1633	4.0000e-004	0.0351	2.6000e-004	0.0353	9.3600e-003	2.4000e-004	9.6000e-003		39.6757	39.6757	1.1400e-003		39.7041

3.3 Grading - 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					0.7637	0.0000	0.7637	0.4154	0.0000	0.4154			0.0000			0.0000
Off-Road	0.8674	7.8729	7.6226	0.0120		0.4672	0.4672		0.4457	0.4457		1,147.2352	1,147.2352	0.2169		1,152.6578
Total	0.8674	7.8729	7.6226	0.0120	0.7637	0.4672	1.2309	0.4154	0.4457	0.8611		1,147.2352	1,147.2352	0.2169		1,152.6578

603 Sutter Street - Sacramento County, Summer

3.3 Grading - 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	0.0502	1.8323	0.4183	5.2300e-003	0.1149	6.7000e-003	0.1216	0.0314	6.4100e-003	0.0379		560.5824	560.5824	0.0318		561.3769
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	0.0431	0.0229	0.3265	8.0000e-004	0.0761	5.3000e-004	0.0766	0.0202	4.9000e-004	0.0207		79.3513	79.3513	2.2700e-003		79.4081
Total	0.0933	1.8552	0.7448	6.0300e-003	0.1910	7.2300e-003	0.1982	0.0516	6.9000e-003	0.0585		639.9337	639.9337	0.0341		640.7850

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					0.3437	0.0000	0.3437	0.1869	0.0000	0.1869			0.0000			0.0000
Off-Road	0.8674	7.8729	7.6226	0.0120		0.4672	0.4672		0.4457	0.4457	0.0000	1,147.2352	1,147.2352	0.2169		1,152.6578
Total	0.8674	7.8729	7.6226	0.0120	0.3437	0.4672	0.8109	0.1869	0.4457	0.6326	0.0000	1,147.2352	1,147.2352	0.2169		1,152.6578

603 Sutter Street - Sacramento County, Summer

3.3 Grading - 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	0.0502	1.8323	0.4183	5.2300e-003	0.1070	6.7000e-003	0.1137	0.0295	6.4100e-003	0.0359		560.5824	560.5824	0.0318		561.3769
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	0.0431	0.0229	0.3265	8.0000e-004	0.0701	5.3000e-004	0.0707	0.0187	4.9000e-004	0.0192		79.3513	79.3513	2.2700e-003		79.4081
Total	0.0933	1.8552	0.7448	6.0300e-003	0.1772	7.2300e-003	0.1844	0.0482	6.9000e-003	0.0551		639.9337	639.9337	0.0341		640.7850

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

603 Sutter Street - Sacramento 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	0.0113	0.3294	0.0885	7.5000e-004	0.0181	1.7200e-003	0.0198	5.2000e-003	1.6400e-003	6.8400e-003		79.0966	79.0966	4.4800e-003		79.2087
Worker	0.0216	0.0114	0.1633	4.0000e-004	0.0380	2.6000e-004	0.0383	0.0101	2.4000e-004	0.0103		39.6757	39.6757	1.1400e-003		39.7041
Total	0.0329	0.3409	0.2518	1.1500e-003	0.0561	1.9800e-003	0.0581	0.0153	1.8800e-003	0.0172		118.7723	118.7723	5.6200e-003		118.9127

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

603 Sutter Street - Sacramento 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	0.0113	0.3294	0.0885	7.5000e-004	0.0169	1.7200e-003	0.0186	4.9100e-003	1.6400e-003	6.5500e-003		79.0966	79.0966	4.4800e-003		79.2087
Worker	0.0216	0.0114	0.1633	4.0000e-004	0.0351	2.6000e-004	0.0353	9.3600e-003	2.4000e-004	9.6000e-003		39.6757	39.6757	1.1400e-003		39.7041
Total	0.0329	0.3409	0.2518	1.1500e-003	0.0520	1.9800e-003	0.0539	0.0143	1.8800e-003	0.0162		118.7723	118.7723	5.6200e-003		118.9127

3.5 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

603 Sutter Street - Sacramento County, Summer

3.5 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	0.0776	0.0412	0.5877	1.4400e-003	0.1369	9.5000e-004	0.1379	0.0363	8.8000e-004	0.0372		142.8323	142.8323	4.0900e-003		142.9346
Total	0.0776	0.0412	0.5877	1.4400e-003	0.1369	9.5000e-004	0.1379	0.0363	8.8000e-004	0.0372		142.8323	142.8323	4.0900e-003		142.9346

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

603 Sutter Street - Sacramento County, Summer

3.5 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	0.0776	0.0412	0.5877	1.4400e-003	0.1262	9.5000e-004	0.1272	0.0337	8.8000e-004	0.0346		142.8323	142.8323	4.0900e-003		142.9346
Total	0.0776	0.0412	0.5877	1.4400e-003	0.1262	9.5000e-004	0.1272	0.0337	8.8000e-004	0.0346		142.8323	142.8323	4.0900e-003		142.9346

3.6 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	14.1831					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	14.4253	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

603 Sutter Street - Sacramento County, Summer

3.6 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	4.3100e-003	2.2900e-003	0.0327	8.0000e-005	7.6100e-003	5.0000e-005	7.6600e-003	2.0200e-003	5.0000e-005	2.0700e-003		7.9351	7.9351	2.3000e-004		7.9408
Total	4.3100e-003	2.2900e-003	0.0327	8.0000e-005	7.6100e-003	5.0000e-005	7.6600e-003	2.0200e-003	5.0000e-005	2.0700e-003		7.9351	7.9351	2.3000e-004		7.9408

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	14.1831					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	14.4253	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

603 Sutter Street - Sacramento County, Summer

3.6 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	4.3100e-003	2.2900e-003	0.0327	8.0000e-005	7.0100e-003	5.0000e-005	7.0600e-003	1.8700e-003	5.0000e-005	1.9200e-003		7.9351	7.9351	2.3000e-004		7.9408
Total	4.3100e-003	2.2900e-003	0.0327	8.0000e-005	7.0100e-003	5.0000e-005	7.0600e-003	1.8700e-003	5.0000e-005	1.9200e-003		7.9351	7.9351	2.3000e-004		7.9408

3.6 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	14.1831					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	14.4020	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

603 Sutter Street - Sacramento County, Summer

3.6 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	4.0100e-003	2.0500e-003	0.0299	8.0000e-005	7.6100e-003	5.0000e-005	7.6600e-003	2.0200e-003	5.0000e-005	2.0700e-003		7.6648	7.6648	2.0000e-004		7.6699
Total	4.0100e-003	2.0500e-003	0.0299	8.0000e-005	7.6100e-003	5.0000e-005	7.6600e-003	2.0200e-003	5.0000e-005	2.0700e-003		7.6648	7.6648	2.0000e-004		7.6699

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	14.1831					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	14.4020	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

603 Sutter Street - Sacramento County, Summer

3.6 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	4.0100e-003	2.0500e-003	0.0299	8.0000e-005	7.0100e-003	5.0000e-005	7.0600e-003	1.8700e-003	5.0000e-005	1.9200e-003		7.6648	7.6648	2.0000e-004		7.6699
Total	4.0100e-003	2.0500e-003	0.0299	8.0000e-005	7.0100e-003	5.0000e-005	7.0600e-003	1.8700e-003	5.0000e-005	1.9200e-003		7.6648	7.6648	2.0000e-004		7.6699

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

603 Sutter Street - Sacramento 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	1.1650	3.1818	8.2441	0.0213	1.6145	0.0189	1.6334	0.4317	0.0177	0.4494		2,154.755 2	2,154.755 2	0.1144		2,157.614 4
Unmitigated	1.1650	3.1818	8.2441	0.0213	1.6145	0.0189	1.6334	0.4317	0.0177	0.4494		2,154.755 2	2,154.755 2	0.1144		2,157.614 4

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	113.61	25.34	10.82	178,247	178,247
High Turnover (Sit Down Restaurant)	317.88	395.93	329.60	293,859	293,859
Regional Shopping Center	106.75	124.93	63.10	144,077	144,077
Total	538.23	546.19	403.52	616,183	616,183

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
General Office Building	10.00	5.00	6.50	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down)	10.00	5.00	6.50	8.50	72.50	19.00	37	20	43
Regional Shopping Center	10.00	5.00	6.50	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

603 Sutter Street - Sacramento County, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.555851	0.039752	0.205040	0.120748	0.020349	0.005402	0.018507	0.022668	0.002052	0.002157	0.005939	0.000618	0.000915
High Turnover (Sit Down Restaurant)	0.555851	0.039752	0.205040	0.120748	0.020349	0.005402	0.018507	0.022668	0.002052	0.002157	0.005939	0.000618	0.000915
Regional Shopping Center	0.555851	0.039752	0.205040	0.120748	0.020349	0.005402	0.018507	0.022668	0.002052	0.002157	0.005939	0.000618	0.000915

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	0.0175	0.1592	0.1337	9.6000e-004		0.0121	0.0121		0.0121	0.0121		191.0492	191.0492	3.6600e-003	3.5000e-003	192.1845
NaturalGas Unmitigated	0.0175	0.1592	0.1337	9.6000e-004		0.0121	0.0121		0.0121	0.0121		191.0492	191.0492	3.6600e-003	3.5000e-003	192.1845

603 Sutter Street - Sacramento 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					
General Office Building	369.671	3.9900e-003	0.0362	0.0304	2.2000e-004		2.7500e-003	2.7500e-003		2.7500e-003	2.7500e-003		43.4907	43.4907	8.3000e-004	8.0000e-004	43.7492
High Turnover (Sit Down Restaurant)	1217.12	0.0131	0.1193	0.1002	7.2000e-004		9.0700e-003	9.0700e-003		9.0700e-003	9.0700e-003		143.1910	143.1910	2.7400e-003	2.6300e-003	144.0419
Regional Shopping Center	37.1233	4.0000e-004	3.6400e-003	3.0600e-003	2.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004		4.3675	4.3675	8.0000e-005	8.0000e-005	4.3934
Total		0.0175	0.1592	0.1337	9.6000e-004		0.0121	0.0121		0.0121	0.0121		191.0492	191.0492	3.6500e-003	3.5100e-003	192.1845

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					
General Office Building	0.369671	3.9900e-003	0.0362	0.0304	2.2000e-004		2.7500e-003	2.7500e-003		2.7500e-003	2.7500e-003		43.4907	43.4907	8.3000e-004	8.0000e-004	43.7492
High Turnover (Sit Down Restaurant)	1.21712	0.0131	0.1193	0.1002	7.2000e-004		9.0700e-003	9.0700e-003		9.0700e-003	9.0700e-003		143.1910	143.1910	2.7400e-003	2.6300e-003	144.0419
Regional Shopping Center	0.0371233	4.0000e-004	3.6400e-003	3.0600e-003	2.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004		4.3675	4.3675	8.0000e-005	8.0000e-005	4.3934
Total		0.0175	0.1592	0.1337	9.6000e-004		0.0121	0.0121		0.0121	0.0121		191.0492	191.0492	3.6500e-003	3.5100e-003	192.1845

6.0 Area Detail

603 Sutter Street - Sacramento County, Summer

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3664	1.0000e-005	1.5700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.3500e-003	3.3500e-003	1.0000e-005		3.5700e-003
Unmitigated	0.3664	1.0000e-005	1.5700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.3500e-003	3.3500e-003	1.0000e-005		3.5700e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0389					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3274					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5000e-004	1.0000e-005	1.5700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.3500e-003	3.3500e-003	1.0000e-005		3.5700e-003
Total	0.3664	1.0000e-005	1.5700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.3500e-003	3.3500e-003	1.0000e-005		3.5700e-003

603 Sutter Street - Sacramento County, Summer

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	0.0389					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3274					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5000e-004	1.0000e-005	1.5700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.3500e-003	3.3500e-003	1.0000e-005		3.5700e-003
Total	0.3664	1.0000e-005	1.5700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.3500e-003	3.3500e-003	1.0000e-005		3.5700e-003

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

Fire Pumps and Emergency Generators

603 Sutter Street - Sacramento County, Summer

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

603 Sutter Street - Sacramento County, Winter

603 Sutter Street
Sacramento County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	10.30	1000sqft	0.06	10,300.00	0
High Turnover (Sit Down Restaurant)	2.50	1000sqft	0.06	2,500.00	0
Regional Shopping Center	2.50	1000sqft	0.06	2,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2021
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	590.31	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

603 Sutter Street - Sacramento County, Winter

Project Characteristics -

Land Use - See remarks

Construction Phase - See remarks

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Grading -

Land Use Change -

Construction Off-road Equipment Mitigation - See Remarks

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	1.00	11.00
tblConstructionPhase	NumDays	2.00	53.00
tblConstructionPhase	NumDays	100.00	185.00
tblConstructionPhase	NumDays	5.00	10.00
tblConstructionPhase	NumDays	5.00	10.00
tblGrading	MaterialExported	0.00	2,800.00
tblLandUse	LotAcreage	0.24	0.06
tblLandUse	LotAcreage	0.06	0.06
tblLandUse	LotAcreage	0.06	0.06

2.0 Emissions Summary

603 Sutter Street - Sacramento 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	0.3664	1.0000e-005	1.5700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.3500e-003	3.3500e-003	1.0000e-005		3.5700e-003
Energy	0.0175	0.1592	0.1337	9.6000e-004		0.0121	0.0121		0.0121	0.0121		191.0492	191.0492	3.6600e-003	3.5000e-003	192.1845
Mobile	0.8348	3.3347	8.3841	0.0192	1.6145	0.0194	1.6339	0.4317	0.0181	0.4498		1,948.3526	1,948.3526	0.1182		1,951.3067
Total	1.2187	3.4939	8.5194	0.0202	1.6145	0.0315	1.6460	0.4317	0.0303	0.4619		2,139.4051	2,139.4051	0.1218	3.5000e-003	2,143.4947

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	0.3664	1.0000e-005	1.5700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.3500e-003	3.3500e-003	1.0000e-005		3.5700e-003
Energy	0.0175	0.1592	0.1337	9.6000e-004		0.0121	0.0121		0.0121	0.0121		191.0492	191.0492	3.6600e-003	3.5000e-003	192.1845
Mobile	0.8348	3.3347	8.3841	0.0192	1.6145	0.0194	1.6339	0.4317	0.0181	0.4498		1,948.3526	1,948.3526	0.1182		1,951.3067
Total	1.2187	3.4939	8.5194	0.0202	1.6145	0.0315	1.6460	0.4317	0.0303	0.4619		2,139.4051	2,139.4051	0.1218	3.5000e-003	2,143.4947

603 Sutter Street - Sacramento 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	1/1/2020	1/15/2020	5	11	
2	Grading	Grading	1/16/2020	3/30/2020	5	53	
3	Building Construction	Building Construction	3/31/2020	12/14/2020	5	185	
4	Paving	Paving	12/15/2020	12/28/2020	5	10	
5	Architectural Coating	Architectural Coating	12/29/2020	1/11/2021	5	10	

Acres of Grading (Site Preparation Phase): 5.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 22,950; Non-Residential Outdoor: 7,650; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

603 Sutter Street - Sacramento 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
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
Architectural Coating	Air Compressors	1	6.00	78	0.48

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	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	350.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	5.00	3.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	1.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

603 Sutter Street - Sacramento County, Winter

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation - 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

603 Sutter Street - Sacramento County, Winter

3.2 Site Preparation - 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	0.0198	0.0141	0.1398	3.5000e-004	0.0380	2.6000e-004	0.0383	0.0101	2.4000e-004	0.0103		34.8444	34.8444	1.0000e-003		34.8695
Total	0.0198	0.0141	0.1398	3.5000e-004	0.0380	2.6000e-004	0.0383	0.0101	2.4000e-004	0.0103		34.8444	34.8444	1.0000e-003		34.8695

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

603 Sutter Street - Sacramento County, Winter

3.2 Site Preparation - 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	0.0198	0.0141	0.1398	3.5000e-004	0.0351	2.6000e-004	0.0353	9.3600e-003	2.4000e-004	9.6000e-003		34.8444	34.8444	1.0000e-003		34.8695
Total	0.0198	0.0141	0.1398	3.5000e-004	0.0351	2.6000e-004	0.0353	9.3600e-003	2.4000e-004	9.6000e-003		34.8444	34.8444	1.0000e-003		34.8695

3.3 Grading - 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					0.7637	0.0000	0.7637	0.4154	0.0000	0.4154			0.0000			0.0000
Off-Road	0.8674	7.8729	7.6226	0.0120		0.4672	0.4672		0.4457	0.4457		1,147.2352	1,147.2352	0.2169		1,152.6578
Total	0.8674	7.8729	7.6226	0.0120	0.7637	0.4672	1.2309	0.4154	0.4457	0.8611		1,147.2352	1,147.2352	0.2169		1,152.6578

603 Sutter Street - Sacramento County, Winter

3.3 Grading - 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	0.0518	1.9071	0.4476	5.1500e-003	0.1149	6.9200e-003	0.1218	0.0314	6.6200e-003	0.0381		551.9723	551.9723	0.0333		552.8034
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	0.0397	0.0283	0.2796	7.0000e-004	0.0761	5.3000e-004	0.0766	0.0202	4.9000e-004	0.0207		69.6889	69.6889	2.0000e-003		69.7389
Total	0.0914	1.9354	0.7272	5.8500e-003	0.1910	7.4500e-003	0.1984	0.0516	7.1100e-003	0.0587		621.6611	621.6611	0.0353		622.5424

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					0.3437	0.0000	0.3437	0.1869	0.0000	0.1869			0.0000			0.0000
Off-Road	0.8674	7.8729	7.6226	0.0120		0.4672	0.4672		0.4457	0.4457	0.0000	1,147.2352	1,147.2352	0.2169		1,152.6578
Total	0.8674	7.8729	7.6226	0.0120	0.3437	0.4672	0.8109	0.1869	0.4457	0.6326	0.0000	1,147.2352	1,147.2352	0.2169		1,152.6578

603 Sutter Street - Sacramento County, Winter

3.3 Grading - 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	0.0518	1.9071	0.4476	5.1500e-003	0.1070	6.9200e-003	0.1140	0.0295	6.6200e-003	0.0361		551.9723	551.9723	0.0333		552.8034
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	0.0397	0.0283	0.2796	7.0000e-004	0.0701	5.3000e-004	0.0707	0.0187	4.9000e-004	0.0192		69.6889	69.6889	2.0000e-003		69.7389
Total	0.0914	1.9354	0.7272	5.8500e-003	0.1772	7.4500e-003	0.1846	0.0482	7.1100e-003	0.0553		621.6611	621.6611	0.0353		622.5424

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

603 Sutter Street - Sacramento 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	0.0119	0.3361	0.1018	7.3000e-004	0.0181	1.7700e-003	0.0198	5.2000e-003	1.7000e-003	6.8900e-003		77.0737	77.0737	4.8500e-003		77.1950
Worker	0.0198	0.0141	0.1398	3.5000e-004	0.0380	2.6000e-004	0.0383	0.0101	2.4000e-004	0.0103		34.8444	34.8444	1.0000e-003		34.8695
Total	0.0318	0.3503	0.2416	1.0800e-003	0.0561	2.0300e-003	0.0581	0.0153	1.9400e-003	0.0172		111.9181	111.9181	5.8500e-003		112.0644

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

603 Sutter Street - Sacramento 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	0.0119	0.3361	0.1018	7.3000e-004	0.0169	1.7700e-003	0.0187	4.9100e-003	1.7000e-003	6.6100e-003		77.0737	77.0737	4.8500e-003		77.1950
Worker	0.0198	0.0141	0.1398	3.5000e-004	0.0351	2.6000e-004	0.0353	9.3600e-003	2.4000e-004	9.6000e-003		34.8444	34.8444	1.0000e-003		34.8695
Total	0.0318	0.3503	0.2416	1.0800e-003	0.0520	2.0300e-003	0.0540	0.0143	1.9400e-003	0.0162		111.9181	111.9181	5.8500e-003		112.0644

3.5 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

603 Sutter Street - Sacramento County, Winter

3.5 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	0.0714	0.0509	0.5032	1.2600e-003	0.1369	9.5000e-004	0.1379	0.0363	8.8000e-004	0.0372		125.4399	125.4399	3.6100e-003		125.5301
Total	0.0714	0.0509	0.5032	1.2600e-003	0.1369	9.5000e-004	0.1379	0.0363	8.8000e-004	0.0372		125.4399	125.4399	3.6100e-003		125.5301

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

603 Sutter Street - Sacramento County, Winter

3.5 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	0.0714	0.0509	0.5032	1.2600e-003	0.1262	9.5000e-004	0.1272	0.0337	8.8000e-004	0.0346		125.4399	125.4399	3.6100e-003		125.5301
Total	0.0714	0.0509	0.5032	1.2600e-003	0.1262	9.5000e-004	0.1272	0.0337	8.8000e-004	0.0346		125.4399	125.4399	3.6100e-003		125.5301

3.6 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	14.1831					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	14.4253	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

603 Sutter Street - Sacramento County, Winter

3.6 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	3.9700e-003	2.8300e-003	0.0280	7.0000e-005	7.6100e-003	5.0000e-005	7.6600e-003	2.0200e-003	5.0000e-005	2.0700e-003		6.9689	6.9689	2.0000e-004		6.9739
Total	3.9700e-003	2.8300e-003	0.0280	7.0000e-005	7.6100e-003	5.0000e-005	7.6600e-003	2.0200e-003	5.0000e-005	2.0700e-003		6.9689	6.9689	2.0000e-004		6.9739

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	14.1831					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	14.4253	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

603 Sutter Street - Sacramento County, Winter

3.6 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	3.9700e-003	2.8300e-003	0.0280	7.0000e-005	7.0100e-003	5.0000e-005	7.0600e-003	1.8700e-003	5.0000e-005	1.9200e-003		6.9689	6.9689	2.0000e-004		6.9739
Total	3.9700e-003	2.8300e-003	0.0280	7.0000e-005	7.0100e-003	5.0000e-005	7.0600e-003	1.8700e-003	5.0000e-005	1.9200e-003		6.9689	6.9689	2.0000e-004		6.9739

3.6 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	14.1831					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	14.4020	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

603 Sutter Street - Sacramento County, Winter

3.6 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	3.6900e-003	2.5300e-003	0.0255	7.0000e-005	7.6100e-003	5.0000e-005	7.6600e-003	2.0200e-003	5.0000e-005	2.0700e-003		6.7316	6.7316	1.8000e-004		6.7361
Total	3.6900e-003	2.5300e-003	0.0255	7.0000e-005	7.6100e-003	5.0000e-005	7.6600e-003	2.0200e-003	5.0000e-005	2.0700e-003		6.7316	6.7316	1.8000e-004		6.7361

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	14.1831					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	14.4020	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

603 Sutter Street - Sacramento County, Winter

3.6 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	3.6900e-003	2.5300e-003	0.0255	7.0000e-005	7.0100e-003	5.0000e-005	7.0600e-003	1.8700e-003	5.0000e-005	1.9200e-003		6.7316	6.7316	1.8000e-004		6.7361
Total	3.6900e-003	2.5300e-003	0.0255	7.0000e-005	7.0100e-003	5.0000e-005	7.0600e-003	1.8700e-003	5.0000e-005	1.9200e-003		6.7316	6.7316	1.8000e-004		6.7361

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

603 Sutter Street - Sacramento 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	0.8348	3.3347	8.3841	0.0192	1.6145	0.0194	1.6339	0.4317	0.0181	0.4498		1,948.3526	1,948.3526	0.1182		1,951.3067
Unmitigated	0.8348	3.3347	8.3841	0.0192	1.6145	0.0194	1.6339	0.4317	0.0181	0.4498		1,948.3526	1,948.3526	0.1182		1,951.3067

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	113.61	25.34	10.82	178,247	178,247
High Turnover (Sit Down Restaurant)	317.88	395.93	329.60	293,859	293,859
Regional Shopping Center	106.75	124.93	63.10	144,077	144,077
Total	538.23	546.19	403.52	616,183	616,183

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
General Office Building	10.00	5.00	6.50	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down)	10.00	5.00	6.50	8.50	72.50	19.00	37	20	43
Regional Shopping Center	10.00	5.00	6.50	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

603 Sutter Street - Sacramento County, Winter

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.555851	0.039752	0.205040	0.120748	0.020349	0.005402	0.018507	0.022668	0.002052	0.002157	0.005939	0.000618	0.000915
High Turnover (Sit Down Restaurant)	0.555851	0.039752	0.205040	0.120748	0.020349	0.005402	0.018507	0.022668	0.002052	0.002157	0.005939	0.000618	0.000915
Regional Shopping Center	0.555851	0.039752	0.205040	0.120748	0.020349	0.005402	0.018507	0.022668	0.002052	0.002157	0.005939	0.000618	0.000915

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	0.0175	0.1592	0.1337	9.6000e-004		0.0121	0.0121		0.0121	0.0121		191.0492	191.0492	3.6600e-003	3.5000e-003	192.1845
NaturalGas Unmitigated	0.0175	0.1592	0.1337	9.6000e-004		0.0121	0.0121		0.0121	0.0121		191.0492	191.0492	3.6600e-003	3.5000e-003	192.1845

603 Sutter Street - Sacramento 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					
General Office Building	369.671	3.9900e-003	0.0362	0.0304	2.2000e-004		2.7500e-003	2.7500e-003		2.7500e-003	2.7500e-003		43.4907	43.4907	8.3000e-004	8.0000e-004	43.7492
High Turnover (Sit Down Restaurant)	1217.12	0.0131	0.1193	0.1002	7.2000e-004		9.0700e-003	9.0700e-003		9.0700e-003	9.0700e-003		143.1910	143.1910	2.7400e-003	2.6300e-003	144.0419
Regional Shopping Center	37.1233	4.0000e-004	3.6400e-003	3.0600e-003	2.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004		4.3675	4.3675	8.0000e-005	8.0000e-005	4.3934
Total		0.0175	0.1592	0.1337	9.6000e-004		0.0121	0.0121		0.0121	0.0121		191.0492	191.0492	3.6500e-003	3.5100e-003	192.1845

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					
General Office Building	0.369671	3.9900e-003	0.0362	0.0304	2.2000e-004		2.7500e-003	2.7500e-003		2.7500e-003	2.7500e-003		43.4907	43.4907	8.3000e-004	8.0000e-004	43.7492
High Turnover (Sit Down Restaurant)	1.21712	0.0131	0.1193	0.1002	7.2000e-004		9.0700e-003	9.0700e-003		9.0700e-003	9.0700e-003		143.1910	143.1910	2.7400e-003	2.6300e-003	144.0419
Regional Shopping Center	0.0371233	4.0000e-004	3.6400e-003	3.0600e-003	2.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004		4.3675	4.3675	8.0000e-005	8.0000e-005	4.3934
Total		0.0175	0.1592	0.1337	9.6000e-004		0.0121	0.0121		0.0121	0.0121		191.0492	191.0492	3.6500e-003	3.5100e-003	192.1845

6.0 Area Detail

603 Sutter Street - Sacramento County, Winter

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3664	1.0000e-005	1.5700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.3500e-003	3.3500e-003	1.0000e-005		3.5700e-003
Unmitigated	0.3664	1.0000e-005	1.5700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.3500e-003	3.3500e-003	1.0000e-005		3.5700e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0389					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3274					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5000e-004	1.0000e-005	1.5700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.3500e-003	3.3500e-003	1.0000e-005		3.5700e-003
Total	0.3664	1.0000e-005	1.5700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.3500e-003	3.3500e-003	1.0000e-005		3.5700e-003

603 Sutter Street - Sacramento 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	0.0389					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3274					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5000e-004	1.0000e-005	1.5700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.3500e-003	3.3500e-003	1.0000e-005		3.5700e-003
Total	0.3664	1.0000e-005	1.5700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.3500e-003	3.3500e-003	1.0000e-005		3.5700e-003

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

Fire Pumps and Emergency Generators

603 Sutter Street - Sacramento County, Winter

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
