

# Appendix A

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Air Quality and Greenhouse Gas Emissions Modeling Results

1700-1730 Embarcadero Road Project - Santa Clara County, Summer

**1700-1730 Embarcadero Road Project**  
**Santa Clara County, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Automobile Care Center	59.21	1000sqft	1.36	59,210.00	0
General Office Building	6.15	1000sqft	0.14	6,150.00	0
Enclosed Parking with Elevator	642.00	Space	5.78	256,800.00	0
Parking Lot	63.00	Space	0.57	25,200.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	4			<b>Operational Year</b>	2021
<b>Utility Company</b>	City of Palo Alto Public Utilities				
<b>CO2 Intensity (lb/MW hr)</b>	354.26	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

1700-1730 Embarcadero Road Project - Santa Clara County, Summer

Project Characteristics -

Land Use - Enclosed parking - Inventory 300 + 322 other enclosed parking + 20 showroom = 642 enclosed  
Surface Parking 63

Construction Phase - Assuming 2 years construction per applicant

Grading - Imported material = cut 876 cubic yards - Fill 14,909 cubic yards = net fill required 14,033 cubic yards

Demolition - Demo of approx 10,000 sf restaurant and 7,126 sf Audi building

Vehicle Trips - Weekday rates per traffic study

Operational Off-Road Equipment - Emergency Generator based on 8 hours operation 32 days per year for testing

Stationary Sources - Emergency Generators and Fire Pumps - Emergency Generator based on 8 hours operation 32 days per year for testing

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	230.00	360.00
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	10.00	30.00
tblConstructionPhase	PhaseEndDate	11/20/2020	8/13/2021
tblConstructionPhase	PhaseEndDate	9/25/2020	5/21/2021
tblConstructionPhase	PhaseEndDate	9/27/2019	10/11/2019
tblConstructionPhase	PhaseEndDate	11/8/2019	1/3/2020
tblConstructionPhase	PhaseEndDate	10/23/2020	7/2/2021
tblConstructionPhase	PhaseEndDate	10/11/2019	11/22/2019
tblConstructionPhase	PhaseStartDate	10/24/2020	7/5/2021
tblConstructionPhase	PhaseStartDate	11/9/2019	1/6/2020
tblConstructionPhase	PhaseStartDate	10/12/2019	11/25/2019
tblConstructionPhase	PhaseStartDate	9/26/2020	5/24/2021
tblConstructionPhase	PhaseStartDate	9/28/2019	10/14/2019

## 1700-1730 Embarcadero Road Project - Santa Clara County, Summer

tblGrading	AcresOfGrading	15.00	10.00
tblGrading	MaterialImported	0.00	14,033.00
tblProjectCharacteristics	OperationalYear	2018	2021
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	84.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	8.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	32.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	2.00
tblVehicleTrips	WD_TR	23.72	6.74

## 2.0 Emissions Summary

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1700-1730 Embarcadero Road Project - Santa Clara 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	4.4035	45.6162	22.6736	0.0680	18.2141	2.3913	20.6054	9.9699	2.2000	12.1699	0.0000	7,019.459 9	7,019.459 9	1.1957	0.0000	7,047.279 7
2020	2.8610	39.5743	22.2948	0.0676	12.8127	1.3175	14.1302	4.9540	1.2137	6.1677	0.0000	6,911.108 2	6,911.108 2	1.1063	0.0000	6,938.766 7
2021	26.9511	23.4919	21.5384	0.0533	1.5278	0.9784	2.5061	0.4140	0.9199	1.3339	0.0000	5,279.928 8	5,279.928 8	0.7165	0.0000	5,297.657 5
<b>Maximum</b>	<b>26.9511</b>	<b>45.6162</b>	<b>22.6736</b>	<b>0.0680</b>	<b>18.2141</b>	<b>2.3913</b>	<b>20.6054</b>	<b>9.9699</b>	<b>2.2000</b>	<b>12.1699</b>	<b>0.0000</b>	<b>7,019.459 9</b>	<b>7,019.459 9</b>	<b>1.1957</b>	<b>0.0000</b>	<b>7,047.279 7</b>

**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	4.4035	45.6162	22.6736	0.0680	18.2141	2.3913	20.6054	9.9699	2.2000	12.1699	0.0000	7,019.459 9	7,019.459 9	1.1957	0.0000	7,047.279 7
2020	2.8610	39.5743	22.2948	0.0676	12.8127	1.3175	14.1302	4.9540	1.2137	6.1677	0.0000	6,911.108 2	6,911.108 2	1.1063	0.0000	6,938.766 7
2021	26.9511	23.4919	21.5384	0.0533	1.5278	0.9784	2.5061	0.4140	0.9199	1.3339	0.0000	5,279.928 8	5,279.928 8	0.7165	0.0000	5,297.657 5
<b>Maximum</b>	<b>26.9511</b>	<b>45.6162</b>	<b>22.6736</b>	<b>0.0680</b>	<b>18.2141</b>	<b>2.3913</b>	<b>20.6054</b>	<b>9.9699</b>	<b>2.2000</b>	<b>12.1699</b>	<b>0.0000</b>	<b>7,019.459 9</b>	<b>7,019.459 9</b>	<b>1.1957</b>	<b>0.0000</b>	<b>7,047.279 7</b>

1700-1730 Embarcadero Road Project - Santa Clara 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

**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	1.7249	7.2000e-004	0.0790	1.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004		0.1686	0.1686	4.5000e-004		0.1798
Energy	0.0493	0.4483	0.3766	2.6900e-003		0.0341	0.0341		0.0341	0.0341		537.9688	537.9688	0.0103	9.8600e-003	541.1657
Mobile	1.9415	5.7767	14.1383	0.0408	3.3024	0.0354	3.3379	0.8815	0.0331	0.9146		4,116.5453	4,116.5453	0.1640		4,120.6453
Offroad	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Stationary	2.2053	7.1920	8.0031	0.0106		0.3245	0.3245		0.3245	0.3245		1,128.3070	1,128.3070	0.1582		1,132.2617
<b>Total</b>	<b>5.9211</b>	<b>13.4177</b>	<b>22.5969</b>	<b>0.0541</b>	<b>3.3024</b>	<b>0.3942</b>	<b>3.6967</b>	<b>0.8815</b>	<b>0.3919</b>	<b>1.2734</b>		<b>5,782.9897</b>	<b>5,782.9897</b>	<b>0.3330</b>	<b>9.8600e-003</b>	<b>5,794.2526</b>

1700-1730 Embarcadero Road Project - Santa Clara County, Summer

**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	lb/day										lb/day					
Area	1.7249	7.2000e-004	0.0790	1.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004		0.1686	0.1686	4.5000e-004		0.1798
Energy	0.0493	0.4483	0.3766	2.6900e-003		0.0341	0.0341		0.0341	0.0341		537.9688	537.9688	0.0103	9.8600e-003	541.1657
Mobile	1.9415	5.7767	14.1383	0.0408	3.3024	0.0354	3.3379	0.8815	0.0331	0.9146		4,116.5453	4,116.5453	0.1640		4,120.6453
Offroad	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Stationary	2.2053	7.1920	8.0031	0.0106		0.3245	0.3245		0.3245	0.3245		1,128.3070	1,128.3070	0.1582		1,132.2617
<b>Total</b>	<b>5.9211</b>	<b>13.4177</b>	<b>22.5969</b>	<b>0.0541</b>	<b>3.3024</b>	<b>0.3942</b>	<b>3.6967</b>	<b>0.8815</b>	<b>0.3919</b>	<b>1.2734</b>		<b>5,782.9897</b>	<b>5,782.9897</b>	<b>0.3330</b>	<b>9.8600e-003</b>	<b>5,794.2526</b>

	ROG	NOx	CO	SO2	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**

## 1700-1730 Embarcadero Road Project - Santa Clara County, Summer

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2019	10/11/2019	5	30	
2	Site Preparation	Site Preparation	10/14/2019	11/22/2019	5	30	
3	Grading	Grading	11/25/2019	1/3/2020	5	30	
4	Building Construction	Building Construction	1/6/2020	5/21/2021	5	360	
5	Paving	Paving	5/24/2021	7/2/2021	5	30	
6	Architectural Coating	Architectural Coating	7/5/2021	8/13/2021	5	30	

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 10**

**Acres of Paving: 6.35**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 98,040; Non-Residential Outdoor: 32,680; Striped Parking Area: 16,920 (Architectural Coating – sqft)**

**OffRoad Equipment**



## 1700-1730 Embarcadero Road Project - Santa Clara County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	1	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Welders	1	8.00	46	0.45

**Trips and VMT**

1700-1730 Embarcadero Road Project - Santa Clara County, Summer

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
Architectural Coating	1	28.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	139.00	57.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	78.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	1,388.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 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					0.5619	0.0000	0.5619	0.0851	0.0000	0.0851			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618		3,843.4451
<b>Total</b>	<b>3.5134</b>	<b>35.7830</b>	<b>22.0600</b>	<b>0.0388</b>	<b>0.5619</b>	<b>1.7949</b>	<b>2.3568</b>	<b>0.0851</b>	<b>1.6697</b>	<b>1.7548</b>		<b>3,816.8994</b>	<b>3,816.8994</b>	<b>1.0618</b>		<b>3,843.4451</b>

1700-1730 Embarcadero Road Project - Santa Clara County, Summer

**3.2 Demolition - 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	0.0234	0.7929	0.1546	2.0900e-003	0.0454	3.0800e-003	0.0485	0.0125	2.9500e-003	0.0154		222.4156	222.4156	0.0101		222.6688
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	0.0570	0.0363	0.4590	1.2500e-003	0.1232	7.9000e-004	0.1240	0.0327	7.2000e-004	0.0334		124.7967	124.7967	3.3800e-003		124.8812
<b>Total</b>	<b>0.0804</b>	<b>0.8291</b>	<b>0.6136</b>	<b>3.3400e-003</b>	<b>0.1687</b>	<b>3.8700e-003</b>	<b>0.1725</b>	<b>0.0451</b>	<b>3.6700e-003</b>	<b>0.0488</b>		<b>347.2123</b>	<b>347.2123</b>	<b>0.0135</b>		<b>347.5500</b>

**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					0.5619	0.0000	0.5619	0.0851	0.0000	0.0851			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451
<b>Total</b>	<b>3.5134</b>	<b>35.7830</b>	<b>22.0600</b>	<b>0.0388</b>	<b>0.5619</b>	<b>1.7949</b>	<b>2.3568</b>	<b>0.0851</b>	<b>1.6697</b>	<b>1.7548</b>	<b>0.0000</b>	<b>3,816.8994</b>	<b>3,816.8994</b>	<b>1.0618</b>		<b>3,843.4451</b>

1700-1730 Embarcadero Road Project - Santa Clara County, Summer

**3.2 Demolition - 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	0.0234	0.7929	0.1546	2.0900e-003	0.0454	3.0800e-003	0.0485	0.0125	2.9500e-003	0.0154		222.4156	222.4156	0.0101		222.6688
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	0.0570	0.0363	0.4590	1.2500e-003	0.1232	7.9000e-004	0.1240	0.0327	7.2000e-004	0.0334		124.7967	124.7967	3.3800e-003		124.8812
<b>Total</b>	<b>0.0804</b>	<b>0.8291</b>	<b>0.6136</b>	<b>3.3400e-003</b>	<b>0.1687</b>	<b>3.8700e-003</b>	<b>0.1725</b>	<b>0.0451</b>	<b>3.6700e-003</b>	<b>0.0488</b>		<b>347.2123</b>	<b>347.2123</b>	<b>0.0135</b>		<b>347.5500</b>

**3.3 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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991		3,766.4529	3,766.4529	1.1917		3,796.2445
<b>Total</b>	<b>4.3350</b>	<b>45.5727</b>	<b>22.0630</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.3904</b>	<b>20.4566</b>	<b>9.9307</b>	<b>2.1991</b>	<b>12.1298</b>		<b>3,766.4529</b>	<b>3,766.4529</b>	<b>1.1917</b>		<b>3,796.2445</b>

1700-1730 Embarcadero Road Project - Santa Clara County, Summer

**3.3 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	0.0685	0.0435	0.5508	1.5000e-003	0.1479	9.4000e-004	0.1488	0.0392	8.7000e-004	0.0401		149.7561	149.7561	4.0500e-003		149.8574
<b>Total</b>	<b>0.0685</b>	<b>0.0435</b>	<b>0.5508</b>	<b>1.5000e-003</b>	<b>0.1479</b>	<b>9.4000e-004</b>	<b>0.1488</b>	<b>0.0392</b>	<b>8.7000e-004</b>	<b>0.0401</b>		<b>149.7561</b>	<b>149.7561</b>	<b>4.0500e-003</b>		<b>149.8574</b>

**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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445
<b>Total</b>	<b>4.3350</b>	<b>45.5727</b>	<b>22.0630</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.3904</b>	<b>20.4566</b>	<b>9.9307</b>	<b>2.1991</b>	<b>12.1298</b>	<b>0.0000</b>	<b>3,766.4529</b>	<b>3,766.4529</b>	<b>1.1917</b>		<b>3,796.2445</b>

1700-1730 Embarcadero Road Project - Santa Clara County, Summer

**3.3 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	0.0685	0.0435	0.5508	1.5000e-003	0.1479	9.4000e-004	0.1488	0.0392	8.7000e-004	0.0401		149.7561	149.7561	4.0500e-003		149.8574
<b>Total</b>	<b>0.0685</b>	<b>0.0435</b>	<b>0.5508</b>	<b>1.5000e-003</b>	<b>0.1479</b>	<b>9.4000e-004</b>	<b>0.1488</b>	<b>0.0392</b>	<b>8.7000e-004</b>	<b>0.0401</b>		<b>149.7561</b>	<b>149.7561</b>	<b>4.0500e-003</b>		<b>149.8574</b>

**3.4 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					6.3756	0.0000	6.3756	3.3484	0.0000	3.3484			0.0000			0.0000
Off-Road	2.5805	28.3480	16.2934	0.0297		1.3974	1.3974		1.2856	1.2856		2,936.8068	2,936.8068	0.9292		2,960.0361
<b>Total</b>	<b>2.5805</b>	<b>28.3480</b>	<b>16.2934</b>	<b>0.0297</b>	<b>6.3756</b>	<b>1.3974</b>	<b>7.7730</b>	<b>3.3484</b>	<b>1.2856</b>	<b>4.6340</b>		<b>2,936.8068</b>	<b>2,936.8068</b>	<b>0.9292</b>		<b>2,960.0361</b>

1700-1730 Embarcadero Road Project - Santa Clara County, Summer

**3.4 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	0.4156	14.1087	2.7514	0.0371	0.8765	0.0548	0.9313	0.2383	0.0525	0.2907		3,957.8564	3,957.8564	0.1802		3,962.3623
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	0.0570	0.0363	0.4590	1.2500e-003	0.1232	7.9000e-004	0.1240	0.0327	7.2000e-004	0.0334		124.7967	124.7967	3.3800e-003		124.8812
<b>Total</b>	<b>0.4726</b>	<b>14.1450</b>	<b>3.2104</b>	<b>0.0384</b>	<b>0.9997</b>	<b>0.0556</b>	<b>1.0553</b>	<b>0.2710</b>	<b>0.0532</b>	<b>0.3241</b>		<b>4,082.6531</b>	<b>4,082.6531</b>	<b>0.1836</b>		<b>4,087.2435</b>

**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					6.3756	0.0000	6.3756	3.3484	0.0000	3.3484			0.0000			0.0000
Off-Road	2.5805	28.3480	16.2934	0.0297		1.3974	1.3974		1.2856	1.2856	0.0000	2,936.8068	2,936.8068	0.9292		2,960.0361
<b>Total</b>	<b>2.5805</b>	<b>28.3480</b>	<b>16.2934</b>	<b>0.0297</b>	<b>6.3756</b>	<b>1.3974</b>	<b>7.7730</b>	<b>3.3484</b>	<b>1.2856</b>	<b>4.6340</b>	<b>0.0000</b>	<b>2,936.8068</b>	<b>2,936.8068</b>	<b>0.9292</b>		<b>2,960.0361</b>

1700-1730 Embarcadero Road Project - Santa Clara County, Summer

**3.4 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	0.4156	14.1087	2.7514	0.0371	0.8765	0.0548	0.9313	0.2383	0.0525	0.2907		3,957.8564	3,957.8564	0.1802		3,962.3623
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	0.0570	0.0363	0.4590	1.2500e-003	0.1232	7.9000e-004	0.1240	0.0327	7.2000e-004	0.0334		124.7967	124.7967	3.3800e-003		124.8812
<b>Total</b>	<b>0.4726</b>	<b>14.1450</b>	<b>3.2104</b>	<b>0.0384</b>	<b>0.9997</b>	<b>0.0556</b>	<b>1.0553</b>	<b>0.2710</b>	<b>0.0532</b>	<b>0.3241</b>		<b>4,082.6531</b>	<b>4,082.6531</b>	<b>0.1836</b>		<b>4,087.2435</b>

**3.4 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					6.3756	0.0000	6.3756	3.3484	0.0000	3.3484			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716		2,872.4851	2,872.4851	0.9290		2,895.7106
<b>Total</b>	<b>2.4288</b>	<b>26.3859</b>	<b>16.0530</b>	<b>0.0297</b>	<b>6.3756</b>	<b>1.2734</b>	<b>7.6490</b>	<b>3.3484</b>	<b>1.1716</b>	<b>4.5200</b>		<b>2,872.4851</b>	<b>2,872.4851</b>	<b>0.9290</b>		<b>2,895.7106</b>



1700-1730 Embarcadero Road Project - Santa Clara County, Summer

**3.4 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	0.3801	13.1564	2.6638	0.0367	6.3139	0.0433	6.3572	1.5729	0.0415	1.6144		3,917.722 1	3,917.722 1	0.1744		3,922.081 2
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	0.0521	0.0320	0.4126	1.2100e-003	0.1232	7.7000e-004	0.1240	0.0327	7.1000e-004	0.0334		120.9010	120.9010	2.9600e-003		120.9749
<b>Total</b>	<b>0.4322</b>	<b>13.1884</b>	<b>3.0764</b>	<b>0.0379</b>	<b>6.4371</b>	<b>0.0441</b>	<b>6.4812</b>	<b>1.6056</b>	<b>0.0422</b>	<b>1.6477</b>		<b>4,038.623 0</b>	<b>4,038.623 0</b>	<b>0.1773</b>		<b>4,043.056 1</b>

**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					6.3756	0.0000	6.3756	3.3484	0.0000	3.3484			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716	0.0000	2,872.485 1	2,872.485 1	0.9290		2,895.710 6
<b>Total</b>	<b>2.4288</b>	<b>26.3859</b>	<b>16.0530</b>	<b>0.0297</b>	<b>6.3756</b>	<b>1.2734</b>	<b>7.6490</b>	<b>3.3484</b>	<b>1.1716</b>	<b>4.5200</b>	<b>0.0000</b>	<b>2,872.485 1</b>	<b>2,872.485 1</b>	<b>0.9290</b>		<b>2,895.710 6</b>

1700-1730 Embarcadero Road Project - Santa Clara County, Summer

**3.4 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	0.3801	13.1564	2.6638	0.0367	6.3139	0.0433	6.3572	1.5729	0.0415	1.6144		3,917.722 1	3,917.722 1	0.1744		3,922.081 2
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	0.0521	0.0320	0.4126	1.2100e-003	0.1232	7.7000e-004	0.1240	0.0327	7.1000e-004	0.0334		120.9010	120.9010	2.9600e-003		120.9749
<b>Total</b>	<b>0.4322</b>	<b>13.1884</b>	<b>3.0764</b>	<b>0.0379</b>	<b>6.4371</b>	<b>0.0441</b>	<b>6.4812</b>	<b>1.6056</b>	<b>0.0422</b>	<b>1.6477</b>		<b>4,038.623 0</b>	<b>4,038.623 0</b>	<b>0.1773</b>		<b>4,043.056 1</b>

**3.5 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	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.063 1	2,553.063 1	0.6229		2,568.634 5
<b>Total</b>	<b>2.1198</b>	<b>19.1860</b>	<b>16.8485</b>	<b>0.0269</b>		<b>1.1171</b>	<b>1.1171</b>		<b>1.0503</b>	<b>1.0503</b>		<b>2,553.063 1</b>	<b>2,553.063 1</b>	<b>0.6229</b>		<b>2,568.634 5</b>

1700-1730 Embarcadero Road Project - Santa Clara County, Summer

**3.5 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	0.2215	6.4100	1.6234	0.0157	0.3859	0.0319	0.4178	0.1111	0.0306	0.1416		1,660.4036	1,660.4036	0.0728		1,662.2247
Worker	0.4832	0.2967	3.8230	0.0112	1.1419	7.1200e-003	1.1490	0.3029	6.5600e-003	0.3094		1,120.3489	1,120.3489	0.0274		1,121.0343
<b>Total</b>	<b>0.7046</b>	<b>6.7066</b>	<b>5.4463</b>	<b>0.0270</b>	<b>1.5278</b>	<b>0.0391</b>	<b>1.5668</b>	<b>0.4140</b>	<b>0.0371</b>	<b>0.4511</b>		<b>2,780.7525</b>	<b>2,780.7525</b>	<b>0.1003</b>		<b>2,783.2590</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
<b>Total</b>	<b>2.1198</b>	<b>19.1860</b>	<b>16.8485</b>	<b>0.0269</b>		<b>1.1171</b>	<b>1.1171</b>		<b>1.0503</b>	<b>1.0503</b>	<b>0.0000</b>	<b>2,553.0631</b>	<b>2,553.0631</b>	<b>0.6229</b>		<b>2,568.6345</b>

1700-1730 Embarcadero Road Project - Santa Clara County, Summer

**3.5 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	0.2215	6.4100	1.6234	0.0157	0.3859	0.0319	0.4178	0.1111	0.0306	0.1416		1,660.4036	1,660.4036	0.0728		1,662.2247
Worker	0.4832	0.2967	3.8230	0.0112	1.1419	7.1200e-003	1.1490	0.3029	6.5600e-003	0.3094		1,120.3489	1,120.3489	0.0274		1,121.0343
<b>Total</b>	<b>0.7046</b>	<b>6.7066</b>	<b>5.4463</b>	<b>0.0270</b>	<b>1.5278</b>	<b>0.0391</b>	<b>1.5668</b>	<b>0.4140</b>	<b>0.0371</b>	<b>0.4511</b>		<b>2,780.7525</b>	<b>2,780.7525</b>	<b>0.1003</b>		<b>2,783.2590</b>

**3.5 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	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
<b>Total</b>	<b>1.9009</b>	<b>17.4321</b>	<b>16.5752</b>	<b>0.0269</b>		<b>0.9586</b>	<b>0.9586</b>		<b>0.9013</b>	<b>0.9013</b>		<b>2,553.3639</b>	<b>2,553.3639</b>	<b>0.6160</b>		<b>2,568.7643</b>

1700-1730 Embarcadero Road Project - Santa Clara County, Summer

**3.5 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	0.1817	5.7946	1.4604	0.0156	0.3859	0.0128	0.3987	0.1111	0.0123	0.1234		1,645.1298	1,645.1298	0.0686		1,646.8438
Worker	0.4476	0.2652	3.5028	0.0109	1.1419	6.9400e-003	1.1488	0.3029	6.3900e-003	0.3093		1,081.4351	1,081.4351	0.0246		1,082.0494
<b>Total</b>	<b>0.6293</b>	<b>6.0598</b>	<b>4.9632</b>	<b>0.0264</b>	<b>1.5278</b>	<b>0.0198</b>	<b>1.5475</b>	<b>0.4140</b>	<b>0.0186</b>	<b>0.4326</b>		<b>2,726.5649</b>	<b>2,726.5649</b>	<b>0.0931</b>		<b>2,728.8932</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
<b>Total</b>	<b>1.9009</b>	<b>17.4321</b>	<b>16.5752</b>	<b>0.0269</b>		<b>0.9586</b>	<b>0.9586</b>		<b>0.9013</b>	<b>0.9013</b>	<b>0.0000</b>	<b>2,553.3639</b>	<b>2,553.3639</b>	<b>0.6160</b>		<b>2,568.7643</b>

1700-1730 Embarcadero Road Project - Santa Clara County, Summer

**3.5 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	0.1817	5.7946	1.4604	0.0156	0.3859	0.0128	0.3987	0.1111	0.0123	0.1234		1,645.1298	1,645.1298	0.0686		1,646.8438
Worker	0.4476	0.2652	3.5028	0.0109	1.1419	6.9400e-003	1.1488	0.3029	6.3900e-003	0.3093		1,081.4351	1,081.4351	0.0246		1,082.0494
<b>Total</b>	<b>0.6293</b>	<b>6.0598</b>	<b>4.9632</b>	<b>0.0264</b>	<b>1.5278</b>	<b>0.0198</b>	<b>1.5475</b>	<b>0.4140</b>	<b>0.0186</b>	<b>0.4326</b>		<b>2,726.5649</b>	<b>2,726.5649</b>	<b>0.0931</b>		<b>2,728.8932</b>

**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	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.0498					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.3053</b>	<b>12.9191</b>	<b>14.6532</b>	<b>0.0228</b>		<b>0.6777</b>	<b>0.6777</b>		<b>0.6235</b>	<b>0.6235</b>		<b>2,207.2109</b>	<b>2,207.2109</b>	<b>0.7139</b>		<b>2,225.0573</b>

1700-1730 Embarcadero Road Project - Santa Clara 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	0.0483	0.0286	0.3780	1.1700e-003	0.1232	7.5000e-004	0.1240	0.0327	6.9000e-004	0.0334		116.7016	116.7016	2.6500e-003		116.7679
<b>Total</b>	<b>0.0483</b>	<b>0.0286</b>	<b>0.3780</b>	<b>1.1700e-003</b>	<b>0.1232</b>	<b>7.5000e-004</b>	<b>0.1240</b>	<b>0.0327</b>	<b>6.9000e-004</b>	<b>0.0334</b>		<b>116.7016</b>	<b>116.7016</b>	<b>2.6500e-003</b>		<b>116.7679</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.0498					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.3053</b>	<b>12.9191</b>	<b>14.6532</b>	<b>0.0228</b>		<b>0.6777</b>	<b>0.6777</b>		<b>0.6235</b>	<b>0.6235</b>	<b>0.0000</b>	<b>2,207.2109</b>	<b>2,207.2109</b>	<b>0.7139</b>		<b>2,225.0573</b>

1700-1730 Embarcadero Road Project - Santa Clara 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	0.0483	0.0286	0.3780	1.1700e-003	0.1232	7.5000e-004	0.1240	0.0327	6.9000e-004	0.0334		116.7016	116.7016	2.6500e-003		116.7679
<b>Total</b>	<b>0.0483</b>	<b>0.0286</b>	<b>0.3780</b>	<b>1.1700e-003</b>	<b>0.1232</b>	<b>7.5000e-004</b>	<b>0.1240</b>	<b>0.0327</b>	<b>6.9000e-004</b>	<b>0.0334</b>		<b>116.7016</b>	<b>116.7016</b>	<b>2.6500e-003</b>		<b>116.7679</b>

**3.7 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	26.6420					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
<b>Total</b>	<b>26.8609</b>	<b>1.5268</b>	<b>1.8176</b>	<b>2.9700e-003</b>		<b>0.0941</b>	<b>0.0941</b>		<b>0.0941</b>	<b>0.0941</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0193</b>		<b>281.9309</b>



1700-1730 Embarcadero Road Project - Santa Clara County, Summer

**3.7 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	0.0902	0.0534	0.7056	2.1900e-003	0.2300	1.4000e-003	0.2314	0.0610	1.2900e-003	0.0623		217.8431	217.8431	4.9500e-003		217.9668
<b>Total</b>	<b>0.0902</b>	<b>0.0534</b>	<b>0.7056</b>	<b>2.1900e-003</b>	<b>0.2300</b>	<b>1.4000e-003</b>	<b>0.2314</b>	<b>0.0610</b>	<b>1.2900e-003</b>	<b>0.0623</b>		<b>217.8431</b>	<b>217.8431</b>	<b>4.9500e-003</b>		<b>217.9668</b>

**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	26.6420					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
<b>Total</b>	<b>26.8609</b>	<b>1.5268</b>	<b>1.8176</b>	<b>2.9700e-003</b>		<b>0.0941</b>	<b>0.0941</b>		<b>0.0941</b>	<b>0.0941</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0193</b>		<b>281.9309</b>

1700-1730 Embarcadero Road Project - Santa Clara County, Summer

**3.7 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	0.0902	0.0534	0.7056	2.1900e-003	0.2300	1.4000e-003	0.2314	0.0610	1.2900e-003	0.0623		217.8431	217.8431	4.9500e-003		217.9668
<b>Total</b>	<b>0.0902</b>	<b>0.0534</b>	<b>0.7056</b>	<b>2.1900e-003</b>	<b>0.2300</b>	<b>1.4000e-003</b>	<b>0.2314</b>	<b>0.0610</b>	<b>1.2900e-003</b>	<b>0.0623</b>		<b>217.8431</b>	<b>217.8431</b>	<b>4.9500e-003</b>		<b>217.9668</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

1700-1730 Embarcadero Road Project - Santa Clara 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	1.9415	5.7767	14.1383	0.0408	3.3024	0.0354	3.3379	0.8815	0.0331	0.9146		4,116.5453	4,116.5453	0.1640		4,120.6453
Unmitigated	1.9415	5.7767	14.1383	0.0408	3.3024	0.0354	3.3379	0.8815	0.0331	0.9146		4,116.5453	4,116.5453	0.1640		4,120.6453

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	399.08	1,404.46	703.41	583,943	583,943
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	67.83	15.13	6.46	123,161	123,161
Parking Lot	0.00	0.00	0.00		
<b>Total</b>	<b>466.91</b>	<b>1,419.59</b>	<b>709.87</b>	<b>707,104</b>	<b>707,104</b>

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
Automobile Care Center	9.50	7.30	7.30	33.00	48.00	19.00	21	51	28
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

1700-1730 Embarcadero Road Project - Santa Clara County, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.607897	0.037434	0.184004	0.107261	0.014919	0.004991	0.012447	0.020659	0.002115	0.001554	0.005334	0.000623	0.000761
General Office Building	0.607897	0.037434	0.184004	0.107261	0.014919	0.004991	0.012447	0.020659	0.002115	0.001554	0.005334	0.000623	0.000761
Enclosed Parking with Elevator	0.607897	0.037434	0.184004	0.107261	0.014919	0.004991	0.012447	0.020659	0.002115	0.001554	0.005334	0.000623	0.000761
Parking Lot	0.607897	0.037434	0.184004	0.107261	0.014919	0.004991	0.012447	0.020659	0.002115	0.001554	0.005334	0.000623	0.000761

**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	0.0493	0.4483	0.3766	2.6900e-003		0.0341	0.0341		0.0341	0.0341		537.9688	537.9688	0.0103	9.8600e-003	541.1657
NaturalGas Unmitigated	0.0493	0.4483	0.3766	2.6900e-003		0.0341	0.0341		0.0341	0.0341		537.9688	537.9688	0.0103	9.8600e-003	541.1657

1700-1730 Embarcadero Road Project - Santa Clara County, Summer

**5.2 Energy by Land Use - Natural Gas**

**Unmitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Automobile Care Center	4295.56	0.0463	0.4211	0.3538	2.5300e-003		0.0320	0.0320		0.0320	0.0320		505.3605	505.3605	9.6900e-003	9.2600e-003	508.3636
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	277.171	2.9900e-003	0.0272	0.0228	1.6000e-004		2.0700e-003	2.0700e-003		2.0700e-003	2.0700e-003		32.6084	32.6084	6.2000e-004	6.0000e-004	32.8022
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0493</b>	<b>0.4483</b>	<b>0.3766</b>	<b>2.6900e-003</b>		<b>0.0341</b>	<b>0.0341</b>		<b>0.0341</b>	<b>0.0341</b>		<b>537.9688</b>	<b>537.9688</b>	<b>0.0103</b>	<b>9.8600e-003</b>	<b>541.1657</b>

1700-1730 Embarcadero Road Project - Santa Clara County, Summer

**5.2 Energy by Land Use - Natural Gas**

**Mitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Automobile Care Center	4.29556	0.0463	0.4211	0.3538	2.5300e-003		0.0320	0.0320		0.0320	0.0320		505.3605	505.3605	9.6900e-003	9.2600e-003	508.3636
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0.277171	2.9900e-003	0.0272	0.0228	1.6000e-004		2.0700e-003	2.0700e-003		2.0700e-003	2.0700e-003		32.6084	32.6084	6.2000e-004	6.0000e-004	32.8022
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0493</b>	<b>0.4483</b>	<b>0.3766</b>	<b>2.6900e-003</b>		<b>0.0341</b>	<b>0.0341</b>		<b>0.0341</b>	<b>0.0341</b>		<b>537.9688</b>	<b>537.9688</b>	<b>0.0103</b>	<b>9.8600e-003</b>	<b>541.1657</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

1700-1730 Embarcadero Road Project - Santa Clara 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	1.7249	7.2000e-004	0.0790	1.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004		0.1686	0.1686	4.5000e-004		0.1798
Unmitigated	1.7249	7.2000e-004	0.0790	1.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004		0.1686	0.1686	4.5000e-004		0.1798

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	0.2190					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.4986					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.3800e-003	7.2000e-004	0.0790	1.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004		0.1686	0.1686	4.5000e-004		0.1798
<b>Total</b>	<b>1.7250</b>	<b>7.2000e-004</b>	<b>0.0790</b>	<b>1.0000e-005</b>		<b>2.8000e-004</b>	<b>2.8000e-004</b>		<b>2.8000e-004</b>	<b>2.8000e-004</b>		<b>0.1686</b>	<b>0.1686</b>	<b>4.5000e-004</b>		<b>0.1798</b>

1700-1730 Embarcadero Road Project - Santa Clara 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	0.2190					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.4986					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.3800e-003	7.2000e-004	0.0790	1.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004		0.1686	0.1686	4.5000e-004		0.1798
<b>Total</b>	<b>1.7250</b>	<b>7.2000e-004</b>	<b>0.0790</b>	<b>1.0000e-005</b>		<b>2.8000e-004</b>	<b>2.8000e-004</b>		<b>2.8000e-004</b>	<b>2.8000e-004</b>		<b>0.1686</b>	<b>0.1686</b>	<b>4.5000e-004</b>		<b>0.1798</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Generator Sets	0	8.00	260	84	0.74	Diesel



1700-1730 Embarcadero Road Project - Santa Clara County, Summer

**UnMitigated/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	
Equipment Type	lb/day										lb/day						
Generator Sets	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>			<b>0.0000</b>

**10.0 Stationary Equipment**

**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	2	8	32	84	0.73	Diesel

**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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1700-1730 Embarcadero Road Project - Santa Clara County, Summer

**10.1 Stationary Sources**

**Unmitigated/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
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (75 - 100 HP)	2.2053	7.1920	8.0031	0.0106		0.3245	0.3245		0.3245	0.3245		1,128.3070	1,128.3070	0.1582		1,132.2617
<b>Total</b>	<b>2.2053</b>	<b>7.1920</b>	<b>8.0031</b>	<b>0.0106</b>		<b>0.3245</b>	<b>0.3245</b>		<b>0.3245</b>	<b>0.3245</b>		<b>1,128.3070</b>	<b>1,128.3070</b>	<b>0.1582</b>		<b>1,132.2617</b>

**11.0 Vegetation**

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1700-1730 Embarcadero Road Project - Santa Clara County, Annual

**1700-1730 Embarcadero Road Project**  
**Santa Clara County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Automobile Care Center	59.21	1000sqft	1.36	59,210.00	0
General Office Building	6.15	1000sqft	0.14	6,150.00	0
Enclosed Parking with Elevator	642.00	Space	5.78	256,800.00	0
Parking Lot	63.00	Space	0.57	25,200.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	4			<b>Operational Year</b>	2021
<b>Utility Company</b>	City of Palo Alto Public Utilities				
<b>CO2 Intensity (lb/MW hr)</b>	354.26	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

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Project Characteristics -

Land Use - Enclosed parking - Inventory 300 + 322 other enclosed parking + 20 showroom = 642 enclosed Surface Parking 63

Construction Phase - Assuming 2 years construction per applicant

Grading - Imported material = cut 876 cubic yards - Fill 14,909 cubic yards = net fill required 14,033 cubic yards

Demolition - Demo of approx 10,000 sf restuarant and 7,126 sf Audi building

Vehicle Trips - Weekday rates per traffic study

Operational Off-Road Equipment - Emergency Generator based on 8 hours operation 32 days per year for testing

Stationary Sources - Emergency Generators and Fire Pumps - Emergency Generator based on 8 hours operation 32 days per year for testing

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	230.00	360.00
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	10.00	30.00
tblConstructionPhase	PhaseEndDate	11/20/2020	8/13/2021
tblConstructionPhase	PhaseEndDate	9/25/2020	5/21/2021
tblConstructionPhase	PhaseEndDate	9/27/2019	10/11/2019
tblConstructionPhase	PhaseEndDate	11/8/2019	1/3/2020
tblConstructionPhase	PhaseEndDate	10/23/2020	7/2/2021
tblConstructionPhase	PhaseEndDate	10/11/2019	11/22/2019
tblConstructionPhase	PhaseStartDate	10/24/2020	7/5/2021
tblConstructionPhase	PhaseStartDate	11/9/2019	1/6/2020
tblConstructionPhase	PhaseStartDate	10/12/2019	11/25/2019
tblConstructionPhase	PhaseStartDate	9/26/2020	5/24/2021
tblConstructionPhase	PhaseStartDate	9/28/2019	10/14/2019

## 1700-1730 Embarcadero Road Project - Santa Clara County, Annual

tblGrading	AcresOfGrading	15.00	10.00
tblGrading	MaterialImported	0.00	14,033.00
tblProjectCharacteristics	OperationalYear	2018	2021
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	84.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	8.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	32.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	2.00
tblVehicleTrips	WD_TR	23.72	6.74

## 2.0 Emissions Summary

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1700-1730 Embarcadero Road Project - Santa Clara County, Annual

**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	0.1611	1.8115	0.9421	2.1400e-003	0.3927	0.0825	0.4752	0.2052	0.0762	0.2814	0.0000	195.1966	195.1966	0.0446	0.0000	196.3110
2020	0.3679	3.4278	2.8850	6.9500e-003	0.2962	0.1517	0.4480	0.1046	0.1427	0.2472	0.0000	624.7043	624.7043	0.0865	0.0000	626.8677
2021	0.5515	1.4092	1.3382	3.0800e-003	0.0797	0.0610	0.1408	0.0216	0.0573	0.0789	0.0000	275.7242	275.7242	0.0426	0.0000	276.7890
<b>Maximum</b>	<b>0.5515</b>	<b>3.4278</b>	<b>2.8850</b>	<b>6.9500e-003</b>	<b>0.3927</b>	<b>0.1517</b>	<b>0.4752</b>	<b>0.2052</b>	<b>0.1427</b>	<b>0.2814</b>	<b>0.0000</b>	<b>624.7043</b>	<b>624.7043</b>	<b>0.0865</b>	<b>0.0000</b>	<b>626.8677</b>

**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	0.1611	1.8115	0.9421	2.1400e-003	0.3927	0.0825	0.4752	0.2052	0.0762	0.2814	0.0000	195.1964	195.1964	0.0446	0.0000	196.3108
2020	0.3679	3.4278	2.8850	6.9500e-003	0.2962	0.1517	0.4480	0.1046	0.1427	0.2472	0.0000	624.7039	624.7039	0.0865	0.0000	626.8673
2021	0.5515	1.4092	1.3382	3.0800e-003	0.0797	0.0610	0.1408	0.0216	0.0573	0.0789	0.0000	275.7240	275.7240	0.0426	0.0000	276.7888
<b>Maximum</b>	<b>0.5515</b>	<b>3.4278</b>	<b>2.8850</b>	<b>6.9500e-003</b>	<b>0.3927</b>	<b>0.1517</b>	<b>0.4752</b>	<b>0.2052</b>	<b>0.1427</b>	<b>0.2814</b>	<b>0.0000</b>	<b>624.7039</b>	<b>624.7039</b>	<b>0.0865</b>	<b>0.0000</b>	<b>626.8673</b>

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	9-1-2019	11-30-2019	1.4020	1.4020
2	12-1-2019	2-29-2020	1.1220	1.1220
3	3-1-2020	5-31-2020	0.9456	0.9456
4	6-1-2020	8-31-2020	0.9436	0.9436
5	9-1-2020	11-30-2020	0.9373	0.9373
6	12-1-2020	2-28-2021	0.8714	0.8714
7	3-1-2021	5-31-2021	0.8046	0.8046
8	6-1-2021	8-31-2021	0.5710	0.5710
		Highest	1.4020	1.4020

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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	0.3141	7.0000e-005	7.1100e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0138	0.0138	4.0000e-005	0.0000	0.0147
Energy	9.0000e-003	0.0818	0.0687	4.9000e-004		6.2200e-003	6.2200e-003		6.2200e-003	6.2200e-003	0.0000	468.8743	468.8743	0.0328	8.0700e-003	472.0978
Mobile	0.1316	0.4733	1.1530	3.1600e-003	0.2629	2.9000e-003	0.2658	0.0704	2.7100e-003	0.0731	0.0000	288.9597	288.9597	0.0122	0.0000	289.2646
Offroad	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	4.4100e-003	0.0144	0.0160	2.0000e-005		6.5000e-004	6.5000e-004		6.5000e-004	6.5000e-004	0.0000	2.0472	2.0472	2.9000e-004	0.0000	2.0543
Waste						0.0000	0.0000		0.0000	0.0000	47.0736	0.0000	47.0736	2.7820	0.0000	116.6229
Water						0.0000	0.0000		0.0000	0.0000	2.1141	8.0909	10.2050	0.2178	5.2600e-003	17.2186
<b>Total</b>	<b>0.4591</b>	<b>0.5696</b>	<b>1.2449</b>	<b>3.6700e-003</b>	<b>0.2629</b>	<b>9.8000e-003</b>	<b>0.2727</b>	<b>0.0704</b>	<b>9.6100e-003</b>	<b>0.0800</b>	<b>49.1877</b>	<b>767.9859</b>	<b>817.1735</b>	<b>3.0451</b>	<b>0.0133</b>	<b>897.2728</b>



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**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.3141	7.0000e-005	7.1100e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0138	0.0138	4.0000e-005	0.0000	0.0147
Energy	9.0000e-003	0.0818	0.0687	4.9000e-004		6.2200e-003	6.2200e-003		6.2200e-003	6.2200e-003	0.0000	468.8743	468.8743	0.0328	8.0700e-003	472.0978
Mobile	0.1316	0.4733	1.1530	3.1600e-003	0.2629	2.9000e-003	0.2658	0.0704	2.7100e-003	0.0731	0.0000	288.9597	288.9597	0.0122	0.0000	289.2646
Offroad	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	4.4100e-003	0.0144	0.0160	2.0000e-005		6.5000e-004	6.5000e-004		6.5000e-004	6.5000e-004	0.0000	2.0472	2.0472	2.9000e-004	0.0000	2.0543
Waste						0.0000	0.0000		0.0000	0.0000	47.0736	0.0000	47.0736	2.7820	0.0000	116.6229
Water						0.0000	0.0000		0.0000	0.0000	2.1141	8.0909	10.2050	0.2178	5.2600e-003	17.2186
<b>Total</b>	<b>0.4591</b>	<b>0.5696</b>	<b>1.2449</b>	<b>3.6700e-003</b>	<b>0.2629</b>	<b>9.8000e-003</b>	<b>0.2727</b>	<b>0.0704</b>	<b>9.6100e-003</b>	<b>0.0800</b>	<b>49.1877</b>	<b>767.9859</b>	<b>817.1735</b>	<b>3.0451</b>	<b>0.0133</b>	<b>897.2728</b>

	ROG	NOx	CO	SO2	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	Demolition	Demolition	9/1/2019	10/11/2019	5	30	
2	Site Preparation	Site Preparation	10/14/2019	11/22/2019	5	30	
3	Grading	Grading	11/25/2019	1/3/2020	5	30	
4	Building Construction	Building Construction	1/6/2020	5/21/2021	5	360	
5	Paving	Paving	5/24/2021	7/2/2021	5	30	
6	Architectural Coating	Architectural Coating	7/5/2021	8/13/2021	5	30	

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 10**

**Acres of Paving: 6.35**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 98,040; Non-Residential Outdoor: 32,680; Striped Parking Area: 16,920 (Architectural Coating – sqft)**

**OffRoad Equipment**

## 1700-1730 Embarcadero Road Project - Santa Clara County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	1	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Welders	1	8.00	46	0.45

**Trips and VMT**

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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
Architectural Coating	1	28.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	139.00	57.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	78.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	1,388.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 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					8.4300e-003	0.0000	8.4300e-003	1.2800e-003	0.0000	1.2800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0527	0.5367	0.3309	5.8000e-004		0.0269	0.0269		0.0250	0.0250	0.0000	51.9395	51.9395	0.0145	0.0000	52.3007
<b>Total</b>	<b>0.0527</b>	<b>0.5367</b>	<b>0.3309</b>	<b>5.8000e-004</b>	<b>8.4300e-003</b>	<b>0.0269</b>	<b>0.0354</b>	<b>1.2800e-003</b>	<b>0.0250</b>	<b>0.0263</b>	<b>0.0000</b>	<b>51.9395</b>	<b>51.9395</b>	<b>0.0145</b>	<b>0.0000</b>	<b>52.3007</b>

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**3.2 Demolition - 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	3.5000e-004	0.0121	2.4000e-003	3.0000e-005	6.6000e-004	5.0000e-005	7.1000e-004	1.8000e-004	4.0000e-005	2.3000e-004	0.0000	3.0055	3.0055	1.4000e-004	0.0000	3.0090
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.2000e-004	6.1000e-004	6.2900e-003	2.0000e-005	1.7800e-003	1.0000e-005	1.8000e-003	4.7000e-004	1.0000e-005	4.9000e-004	0.0000	1.5797	1.5797	4.0000e-005	0.0000	1.5808
<b>Total</b>	<b>1.1700e-003</b>	<b>0.0128</b>	<b>8.6900e-003</b>	<b>5.0000e-005</b>	<b>2.4400e-003</b>	<b>6.0000e-005</b>	<b>2.5100e-003</b>	<b>6.5000e-004</b>	<b>5.0000e-005</b>	<b>7.2000e-004</b>	<b>0.0000</b>	<b>4.5852</b>	<b>4.5852</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>4.5898</b>

**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					8.4300e-003	0.0000	8.4300e-003	1.2800e-003	0.0000	1.2800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0527	0.5367	0.3309	5.8000e-004		0.0269	0.0269		0.0250	0.0250	0.0000	51.9394	51.9394	0.0145	0.0000	52.3007
<b>Total</b>	<b>0.0527</b>	<b>0.5367</b>	<b>0.3309</b>	<b>5.8000e-004</b>	<b>8.4300e-003</b>	<b>0.0269</b>	<b>0.0354</b>	<b>1.2800e-003</b>	<b>0.0250</b>	<b>0.0263</b>	<b>0.0000</b>	<b>51.9394</b>	<b>51.9394</b>	<b>0.0145</b>	<b>0.0000</b>	<b>52.3007</b>

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**3.2 Demolition - 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	3.5000e-004	0.0121	2.4000e-003	3.0000e-005	6.6000e-004	5.0000e-005	7.1000e-004	1.8000e-004	4.0000e-005	2.3000e-004	0.0000	3.0055	3.0055	1.4000e-004	0.0000	3.0090
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.2000e-004	6.1000e-004	6.2900e-003	2.0000e-005	1.7800e-003	1.0000e-005	1.8000e-003	4.7000e-004	1.0000e-005	4.9000e-004	0.0000	1.5797	1.5797	4.0000e-005	0.0000	1.5808
<b>Total</b>	<b>1.1700e-003</b>	<b>0.0128</b>	<b>8.6900e-003</b>	<b>5.0000e-005</b>	<b>2.4400e-003</b>	<b>6.0000e-005</b>	<b>2.5100e-003</b>	<b>6.5000e-004</b>	<b>5.0000e-005</b>	<b>7.2000e-004</b>	<b>0.0000</b>	<b>4.5852</b>	<b>4.5852</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>4.5898</b>

**3.3 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					0.2710	0.0000	0.2710	0.1490	0.0000	0.1490	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0650	0.6836	0.3310	5.7000e-004		0.0359	0.0359		0.0330	0.0330	0.0000	51.2530	51.2530	0.0162	0.0000	51.6584
<b>Total</b>	<b>0.0650</b>	<b>0.6836</b>	<b>0.3310</b>	<b>5.7000e-004</b>	<b>0.2710</b>	<b>0.0359</b>	<b>0.3069</b>	<b>0.1490</b>	<b>0.0330</b>	<b>0.1820</b>	<b>0.0000</b>	<b>51.2530</b>	<b>51.2530</b>	<b>0.0162</b>	<b>0.0000</b>	<b>51.6584</b>

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**3.3 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	9.8000e-004	7.3000e-004	7.5400e-003	2.0000e-005	2.1400e-003	1.0000e-005	2.1600e-003	5.7000e-004	1.0000e-005	5.8000e-004	0.0000	1.8956	1.8956	5.0000e-005	0.0000	1.8969
<b>Total</b>	<b>9.8000e-004</b>	<b>7.3000e-004</b>	<b>7.5400e-003</b>	<b>2.0000e-005</b>	<b>2.1400e-003</b>	<b>1.0000e-005</b>	<b>2.1600e-003</b>	<b>5.7000e-004</b>	<b>1.0000e-005</b>	<b>5.8000e-004</b>	<b>0.0000</b>	<b>1.8956</b>	<b>1.8956</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>1.8969</b>

**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					0.2710	0.0000	0.2710	0.1490	0.0000	0.1490	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0650	0.6836	0.3309	5.7000e-004		0.0359	0.0359		0.0330	0.0330	0.0000	51.2530	51.2530	0.0162	0.0000	51.6584
<b>Total</b>	<b>0.0650</b>	<b>0.6836</b>	<b>0.3309</b>	<b>5.7000e-004</b>	<b>0.2710</b>	<b>0.0359</b>	<b>0.3069</b>	<b>0.1490</b>	<b>0.0330</b>	<b>0.1820</b>	<b>0.0000</b>	<b>51.2530</b>	<b>51.2530</b>	<b>0.0162</b>	<b>0.0000</b>	<b>51.6584</b>

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**3.3 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	9.8000e-004	7.3000e-004	7.5400e-003	2.0000e-005	2.1400e-003	1.0000e-005	2.1600e-003	5.7000e-004	1.0000e-005	5.8000e-004	0.0000	1.8956	1.8956	5.0000e-005	0.0000	1.8969
<b>Total</b>	<b>9.8000e-004</b>	<b>7.3000e-004</b>	<b>7.5400e-003</b>	<b>2.0000e-005</b>	<b>2.1400e-003</b>	<b>1.0000e-005</b>	<b>2.1600e-003</b>	<b>5.7000e-004</b>	<b>1.0000e-005</b>	<b>5.8000e-004</b>	<b>0.0000</b>	<b>1.8956</b>	<b>1.8956</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>1.8969</b>

**3.4 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					0.0956	0.0000	0.0956	0.0502	0.0000	0.0502	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0348	0.3827	0.2200	4.0000e-004		0.0189	0.0189		0.0174	0.0174	0.0000	35.9671	35.9671	0.0114	0.0000	36.2515
<b>Total</b>	<b>0.0348</b>	<b>0.3827</b>	<b>0.2200</b>	<b>4.0000e-004</b>	<b>0.0956</b>	<b>0.0189</b>	<b>0.1145</b>	<b>0.0502</b>	<b>0.0174</b>	<b>0.0676</b>	<b>0.0000</b>	<b>35.9671</b>	<b>35.9671</b>	<b>0.0114</b>	<b>0.0000</b>	<b>36.2515</b>



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**3.4 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	5.6800e-003	0.1945	0.0384	5.0000e-004	0.0115	7.5000e-004	0.0122	3.1300e-003	7.1000e-004	3.8400e-003	0.0000	48.1345	48.1345	2.2600e-003	0.0000	48.1909
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	7.4000e-004	5.5000e-004	5.6600e-003	2.0000e-005	1.6100e-003	1.0000e-005	1.6200e-003	4.3000e-004	1.0000e-005	4.4000e-004	0.0000	1.4217	1.4217	4.0000e-005	0.0000	1.4227
<b>Total</b>	<b>6.4200e-003</b>	<b>0.1950</b>	<b>0.0441</b>	<b>5.2000e-004</b>	<b>0.0131</b>	<b>7.6000e-004</b>	<b>0.0138</b>	<b>3.5600e-003</b>	<b>7.2000e-004</b>	<b>4.2800e-003</b>	<b>0.0000</b>	<b>49.5562</b>	<b>49.5562</b>	<b>2.3000e-003</b>	<b>0.0000</b>	<b>49.6136</b>

**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					0.0956	0.0000	0.0956	0.0502	0.0000	0.0502	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0348	0.3827	0.2200	4.0000e-004		0.0189	0.0189		0.0174	0.0174	0.0000	35.9670	35.9670	0.0114	0.0000	36.2515
<b>Total</b>	<b>0.0348</b>	<b>0.3827</b>	<b>0.2200</b>	<b>4.0000e-004</b>	<b>0.0956</b>	<b>0.0189</b>	<b>0.1145</b>	<b>0.0502</b>	<b>0.0174</b>	<b>0.0676</b>	<b>0.0000</b>	<b>35.9670</b>	<b>35.9670</b>	<b>0.0114</b>	<b>0.0000</b>	<b>36.2515</b>

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**3.4 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	5.6800e-003	0.1945	0.0384	5.0000e-004	0.0115	7.5000e-004	0.0122	3.1300e-003	7.1000e-004	3.8400e-003	0.0000	48.1345	48.1345	2.2600e-003	0.0000	48.1909
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	7.4000e-004	5.5000e-004	5.6600e-003	2.0000e-005	1.6100e-003	1.0000e-005	1.6200e-003	4.3000e-004	1.0000e-005	4.4000e-004	0.0000	1.4217	1.4217	4.0000e-005	0.0000	1.4227
<b>Total</b>	<b>6.4200e-003</b>	<b>0.1950</b>	<b>0.0441</b>	<b>5.2000e-004</b>	<b>0.0131</b>	<b>7.6000e-004</b>	<b>0.0138</b>	<b>3.5600e-003</b>	<b>7.2000e-004</b>	<b>4.2800e-003</b>	<b>0.0000</b>	<b>49.5562</b>	<b>49.5562</b>	<b>2.3000e-003</b>	<b>0.0000</b>	<b>49.6136</b>

**3.4 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					0.0956	0.0000	0.0956	0.0502	0.0000	0.0502	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.6400e-003	0.0396	0.0241	4.0000e-005		1.9100e-003	1.9100e-003		1.7600e-003	1.7600e-003	0.0000	3.9088	3.9088	1.2600e-003	0.0000	3.9404
<b>Total</b>	<b>3.6400e-003</b>	<b>0.0396</b>	<b>0.0241</b>	<b>4.0000e-005</b>	<b>0.0956</b>	<b>1.9100e-003</b>	<b>0.0975</b>	<b>0.0502</b>	<b>1.7600e-003</b>	<b>0.0520</b>	<b>0.0000</b>	<b>3.9088</b>	<b>3.9088</b>	<b>1.2600e-003</b>	<b>0.0000</b>	<b>3.9404</b>

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**3.4 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	5.8000e-004	0.0201	4.1200e-003	5.0000e-005	9.1100e-003	7.0000e-005	9.1700e-003	2.2700e-003	6.0000e-005	2.3300e-003	0.0000	5.2932	5.2932	2.4000e-004	0.0000	5.2993
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	7.0000e-005	5.0000e-005	5.6000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1530	0.1530	0.0000	0.0000	0.1531
<b>Total</b>	<b>6.5000e-004</b>	<b>0.0202</b>	<b>4.6800e-003</b>	<b>5.0000e-005</b>	<b>9.2900e-003</b>	<b>7.0000e-005</b>	<b>9.3500e-003</b>	<b>2.3200e-003</b>	<b>6.0000e-005</b>	<b>2.3800e-003</b>	<b>0.0000</b>	<b>5.4462</b>	<b>5.4462</b>	<b>2.4000e-004</b>	<b>0.0000</b>	<b>5.4524</b>

**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					0.0956	0.0000	0.0956	0.0502	0.0000	0.0502	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.6400e-003	0.0396	0.0241	4.0000e-005		1.9100e-003	1.9100e-003		1.7600e-003	1.7600e-003	0.0000	3.9088	3.9088	1.2600e-003	0.0000	3.9404
<b>Total</b>	<b>3.6400e-003</b>	<b>0.0396</b>	<b>0.0241</b>	<b>4.0000e-005</b>	<b>0.0956</b>	<b>1.9100e-003</b>	<b>0.0975</b>	<b>0.0502</b>	<b>1.7600e-003</b>	<b>0.0520</b>	<b>0.0000</b>	<b>3.9088</b>	<b>3.9088</b>	<b>1.2600e-003</b>	<b>0.0000</b>	<b>3.9404</b>

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**3.4 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	5.8000e-004	0.0201	4.1200e-003	5.0000e-005	9.1100e-003	7.0000e-005	9.1700e-003	2.2700e-003	6.0000e-005	2.3300e-003	0.0000	5.2932	5.2932	2.4000e-004	0.0000	5.2993
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	7.0000e-005	5.0000e-005	5.6000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1530	0.1530	0.0000	0.0000	0.1531
<b>Total</b>	<b>6.5000e-004</b>	<b>0.0202</b>	<b>4.6800e-003</b>	<b>5.0000e-005</b>	<b>9.2900e-003</b>	<b>7.0000e-005</b>	<b>9.3500e-003</b>	<b>2.3200e-003</b>	<b>6.0000e-005</b>	<b>2.3800e-003</b>	<b>0.0000</b>	<b>5.4462</b>	<b>5.4462</b>	<b>2.4000e-004</b>	<b>0.0000</b>	<b>5.4524</b>

**3.5 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	0.2745	2.4846	2.1819	3.4900e-003		0.1447	0.1447		0.1360	0.1360	0.0000	299.9349	299.9349	0.0732	0.0000	301.7643
<b>Total</b>	<b>0.2745</b>	<b>2.4846</b>	<b>2.1819</b>	<b>3.4900e-003</b>		<b>0.1447</b>	<b>0.1447</b>		<b>0.1360</b>	<b>0.1360</b>	<b>0.0000</b>	<b>299.9349</b>	<b>299.9349</b>	<b>0.0732</b>	<b>0.0000</b>	<b>301.7643</b>

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**3.5 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	0.0293	0.8405	0.2239	2.0100e-003	0.0486	4.1600e-003	0.0527	0.0140	3.9800e-003	0.0180	0.0000	192.9840	192.9840	8.8500e-003	0.0000	193.2052
Worker	0.0598	0.0430	0.4505	1.3500e-003	0.1428	9.2000e-004	0.1437	0.0380	8.5000e-004	0.0388	0.0000	122.4303	122.4303	3.0000e-003	0.0000	122.5054
<b>Total</b>	<b>0.0890</b>	<b>0.8834</b>	<b>0.6743</b>	<b>3.3600e-003</b>	<b>0.1913</b>	<b>5.0800e-003</b>	<b>0.1964</b>	<b>0.0520</b>	<b>4.8300e-003</b>	<b>0.0568</b>	<b>0.0000</b>	<b>315.4143</b>	<b>315.4143</b>	<b>0.0119</b>	<b>0.0000</b>	<b>315.7106</b>

**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	0.2745	2.4846	2.1819	3.4900e-003		0.1447	0.1447		0.1360	0.1360	0.0000	299.9346	299.9346	0.0732	0.0000	301.7639
<b>Total</b>	<b>0.2745</b>	<b>2.4846</b>	<b>2.1819</b>	<b>3.4900e-003</b>		<b>0.1447</b>	<b>0.1447</b>		<b>0.1360</b>	<b>0.1360</b>	<b>0.0000</b>	<b>299.9346</b>	<b>299.9346</b>	<b>0.0732</b>	<b>0.0000</b>	<b>301.7639</b>

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**3.5 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	0.0293	0.8405	0.2239	2.0100e-003	0.0486	4.1600e-003	0.0527	0.0140	3.9800e-003	0.0180	0.0000	192.9840	192.9840	8.8500e-003	0.0000	193.2052
Worker	0.0598	0.0430	0.4505	1.3500e-003	0.1428	9.2000e-004	0.1437	0.0380	8.5000e-004	0.0388	0.0000	122.4303	122.4303	3.0000e-003	0.0000	122.5054
<b>Total</b>	<b>0.0890</b>	<b>0.8834</b>	<b>0.6743</b>	<b>3.3600e-003</b>	<b>0.1913</b>	<b>5.0800e-003</b>	<b>0.1964</b>	<b>0.0520</b>	<b>4.8300e-003</b>	<b>0.0568</b>	<b>0.0000</b>	<b>315.4143</b>	<b>315.4143</b>	<b>0.0119</b>	<b>0.0000</b>	<b>315.7106</b>

**3.5 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	0.0960	0.8803	0.8371	1.3600e-003		0.0484	0.0484		0.0455	0.0455	0.0000	116.9768	116.9768	0.0282	0.0000	117.6824
<b>Total</b>	<b>0.0960</b>	<b>0.8803</b>	<b>0.8371</b>	<b>1.3600e-003</b>		<b>0.0484</b>	<b>0.0484</b>		<b>0.0455</b>	<b>0.0455</b>	<b>0.0000</b>	<b>116.9768</b>	<b>116.9768</b>	<b>0.0282</b>	<b>0.0000</b>	<b>117.6824</b>

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**3.5 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	9.3900e-003	0.2958	0.0787	7.8000e-004	0.0189	6.6000e-004	0.0196	5.4800e-003	6.3000e-004	6.1000e-003	0.0000	74.5616	74.5616	3.2500e-003	0.0000	74.6428
Worker	0.0216	0.0150	0.1606	5.1000e-004	0.0557	3.5000e-004	0.0560	0.0148	3.2000e-004	0.0151	0.0000	46.0860	46.0860	1.0500e-003	0.0000	46.1122
<b>Total</b>	<b>0.0310</b>	<b>0.3108</b>	<b>0.2393</b>	<b>1.2900e-003</b>	<b>0.0746</b>	<b>1.0100e-003</b>	<b>0.0756</b>	<b>0.0203</b>	<b>9.5000e-004</b>	<b>0.0212</b>	<b>0.0000</b>	<b>120.6476</b>	<b>120.6476</b>	<b>4.3000e-003</b>	<b>0.0000</b>	<b>120.7550</b>

**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	0.0960	0.8803	0.8371	1.3600e-003		0.0484	0.0484		0.0455	0.0455	0.0000	116.9767	116.9767	0.0282	0.0000	117.6822
<b>Total</b>	<b>0.0960</b>	<b>0.8803</b>	<b>0.8371</b>	<b>1.3600e-003</b>		<b>0.0484</b>	<b>0.0484</b>		<b>0.0455</b>	<b>0.0455</b>	<b>0.0000</b>	<b>116.9767</b>	<b>116.9767</b>	<b>0.0282</b>	<b>0.0000</b>	<b>117.6822</b>

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**3.5 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	9.3900e-003	0.2958	0.0787	7.8000e-004	0.0189	6.6000e-004	0.0196	5.4800e-003	6.3000e-004	6.1000e-003	0.0000	74.5616	74.5616	3.2500e-003	0.0000	74.6428
Worker	0.0216	0.0150	0.1606	5.1000e-004	0.0557	3.5000e-004	0.0560	0.0148	3.2000e-004	0.0151	0.0000	46.0860	46.0860	1.0500e-003	0.0000	46.1122
<b>Total</b>	<b>0.0310</b>	<b>0.3108</b>	<b>0.2393</b>	<b>1.2900e-003</b>	<b>0.0746</b>	<b>1.0100e-003</b>	<b>0.0756</b>	<b>0.0203</b>	<b>9.5000e-004</b>	<b>0.0212</b>	<b>0.0000</b>	<b>120.6476</b>	<b>120.6476</b>	<b>4.3000e-003</b>	<b>0.0000</b>	<b>120.7550</b>

**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	0.0188	0.1938	0.2198	3.4000e-004		0.0102	0.0102		9.3500e-003	9.3500e-003	0.0000	30.0352	30.0352	9.7100e-003	0.0000	30.2781
Paving	7.5000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0196</b>	<b>0.1938</b>	<b>0.2198</b>	<b>3.4000e-004</b>		<b>0.0102</b>	<b>0.0102</b>		<b>9.3500e-003</b>	<b>9.3500e-003</b>	<b>0.0000</b>	<b>30.0352</b>	<b>30.0352</b>	<b>9.7100e-003</b>	<b>0.0000</b>	<b>30.2781</b>



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**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	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	6.9000e-004	4.8000e-004	5.1500e-003	2.0000e-005	1.7800e-003	1.0000e-005	1.8000e-003	4.7000e-004	1.0000e-005	4.8000e-004	0.0000	1.4772	1.4772	3.0000e-005	0.0000	1.4781
<b>Total</b>	<b>6.9000e-004</b>	<b>4.8000e-004</b>	<b>5.1500e-003</b>	<b>2.0000e-005</b>	<b>1.7800e-003</b>	<b>1.0000e-005</b>	<b>1.8000e-003</b>	<b>4.7000e-004</b>	<b>1.0000e-005</b>	<b>4.8000e-004</b>	<b>0.0000</b>	<b>1.4772</b>	<b>1.4772</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.4781</b>

**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	0.0188	0.1938	0.2198	3.4000e-004		0.0102	0.0102		9.3500e-003	9.3500e-003	0.0000	30.0352	30.0352	9.7100e-003	0.0000	30.2780
Paving	7.5000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0196</b>	<b>0.1938</b>	<b>0.2198</b>	<b>3.4000e-004</b>		<b>0.0102</b>	<b>0.0102</b>		<b>9.3500e-003</b>	<b>9.3500e-003</b>	<b>0.0000</b>	<b>30.0352</b>	<b>30.0352</b>	<b>9.7100e-003</b>	<b>0.0000</b>	<b>30.2780</b>

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**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	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	6.9000e-004	4.8000e-004	5.1500e-003	2.0000e-005	1.7800e-003	1.0000e-005	1.8000e-003	4.7000e-004	1.0000e-005	4.8000e-004	0.0000	1.4772	1.4772	3.0000e-005	0.0000	1.4781
<b>Total</b>	<b>6.9000e-004</b>	<b>4.8000e-004</b>	<b>5.1500e-003</b>	<b>2.0000e-005</b>	<b>1.7800e-003</b>	<b>1.0000e-005</b>	<b>1.8000e-003</b>	<b>4.7000e-004</b>	<b>1.0000e-005</b>	<b>4.8000e-004</b>	<b>0.0000</b>	<b>1.4772</b>	<b>1.4772</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.4781</b>

**3.7 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	0.3996					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.2800e-003	0.0229	0.0273	4.0000e-005		1.4100e-003	1.4100e-003		1.4100e-003	1.4100e-003	0.0000	3.8299	3.8299	2.6000e-004	0.0000	3.8365
<b>Total</b>	<b>0.4029</b>	<b>0.0229</b>	<b>0.0273</b>	<b>4.0000e-005</b>		<b>1.4100e-003</b>	<b>1.4100e-003</b>		<b>1.4100e-003</b>	<b>1.4100e-003</b>	<b>0.0000</b>	<b>3.8299</b>	<b>3.8299</b>	<b>2.6000e-004</b>	<b>0.0000</b>	<b>3.8365</b>

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**3.7 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	1.2900e-003	9.0000e-004	9.6100e-003	3.0000e-005	3.3300e-003	2.0000e-005	3.3500e-003	8.9000e-004	2.0000e-005	9.1000e-004	0.0000	2.7575	2.7575	6.0000e-005	0.0000	2.7590
<b>Total</b>	<b>1.2900e-003</b>	<b>9.0000e-004</b>	<b>9.6100e-003</b>	<b>3.0000e-005</b>	<b>3.3300e-003</b>	<b>2.0000e-005</b>	<b>3.3500e-003</b>	<b>8.9000e-004</b>	<b>2.0000e-005</b>	<b>9.1000e-004</b>	<b>0.0000</b>	<b>2.7575</b>	<b>2.7575</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>2.7590</b>

**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	0.3996					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.2800e-003	0.0229	0.0273	4.0000e-005		1.4100e-003	1.4100e-003		1.4100e-003	1.4100e-003	0.0000	3.8299	3.8299	2.6000e-004	0.0000	3.8365
<b>Total</b>	<b>0.4029</b>	<b>0.0229</b>	<b>0.0273</b>	<b>4.0000e-005</b>		<b>1.4100e-003</b>	<b>1.4100e-003</b>		<b>1.4100e-003</b>	<b>1.4100e-003</b>	<b>0.0000</b>	<b>3.8299</b>	<b>3.8299</b>	<b>2.6000e-004</b>	<b>0.0000</b>	<b>3.8365</b>

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**3.7 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	1.2900e-003	9.0000e-004	9.6100e-003	3.0000e-005	3.3300e-003	2.0000e-005	3.3500e-003	8.9000e-004	2.0000e-005	9.1000e-004	0.0000	2.7575	2.7575	6.0000e-005	0.0000	2.7590
<b>Total</b>	<b>1.2900e-003</b>	<b>9.0000e-004</b>	<b>9.6100e-003</b>	<b>3.0000e-005</b>	<b>3.3300e-003</b>	<b>2.0000e-005</b>	<b>3.3500e-003</b>	<b>8.9000e-004</b>	<b>2.0000e-005</b>	<b>9.1000e-004</b>	<b>0.0000</b>	<b>2.7575</b>	<b>2.7575</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>2.7590</b>

**4.0 Operational Detail - Mobile**

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**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	0.1316	0.4733	1.1530	3.1600e-003	0.2629	2.9000e-003	0.2658	0.0704	2.7100e-003	0.0731	0.0000	288.9597	288.9597	0.0122	0.0000	289.2646
Unmitigated	0.1316	0.4733	1.1530	3.1600e-003	0.2629	2.9000e-003	0.2658	0.0704	2.7100e-003	0.0731	0.0000	288.9597	288.9597	0.0122	0.0000	289.2646

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	399.08	1,404.46	703.41	583,943	583,943
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	67.83	15.13	6.46	123,161	123,161
Parking Lot	0.00	0.00	0.00		
Total	466.91	1,419.59	709.87	707,104	707,104

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
Automobile Care Center	9.50	7.30	7.30	33.00	48.00	19.00	21	51	28
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

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Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.607897	0.037434	0.184004	0.107261	0.014919	0.004991	0.012447	0.020659	0.002115	0.001554	0.005334	0.000623	0.000761
General Office Building	0.607897	0.037434	0.184004	0.107261	0.014919	0.004991	0.012447	0.020659	0.002115	0.001554	0.005334	0.000623	0.000761
Enclosed Parking with Elevator	0.607897	0.037434	0.184004	0.107261	0.014919	0.004991	0.012447	0.020659	0.002115	0.001554	0.005334	0.000623	0.000761
Parking Lot	0.607897	0.037434	0.184004	0.107261	0.014919	0.004991	0.012447	0.020659	0.002115	0.001554	0.005334	0.000623	0.000761

**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	379.8075	379.8075	0.0311	6.4300e-003	382.5017
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	379.8075	379.8075	0.0311	6.4300e-003	382.5017
NaturalGas Mitigated	9.0000e-003	0.0818	0.0687	4.9000e-004		6.2200e-003	6.2200e-003		6.2200e-003	6.2200e-003	0.0000	89.0668	89.0668	1.7100e-003	1.6300e-003	89.5961
NaturalGas Unmitigated	9.0000e-003	0.0818	0.0687	4.9000e-004		6.2200e-003	6.2200e-003		6.2200e-003	6.2200e-003	0.0000	89.0668	89.0668	1.7100e-003	1.6300e-003	89.5961

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**5.2 Energy by Land Use - Natural Gas**

**Unmitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Automobile Care Center	1.56788e+006	8.4500e-003	0.0769	0.0646	4.6000e-004		5.8400e-003	5.8400e-003		5.8400e-003	5.8400e-003	0.0000	83.6681	83.6681	1.6000e-003	1.5300e-003	84.1653
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	101168	5.5000e-004	4.9600e-003	4.1700e-003	3.0000e-005		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004	0.0000	5.3987	5.3987	1.0000e-004	1.0000e-004	5.4308
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>9.0000e-003</b>	<b>0.0818</b>	<b>0.0687</b>	<b>4.9000e-004</b>		<b>6.2200e-003</b>	<b>6.2200e-003</b>		<b>6.2200e-003</b>	<b>6.2200e-003</b>	<b>0.0000</b>	<b>89.0668</b>	<b>89.0668</b>	<b>1.7000e-003</b>	<b>1.6300e-003</b>	<b>89.5961</b>

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**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Automobile Care Center	1.56788e+006	8.4500e-003	0.0769	0.0646	4.6000e-004		5.8400e-003	5.8400e-003		5.8400e-003	5.8400e-003	0.0000	83.6681	83.6681	1.6000e-003	1.5300e-003	84.1653
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	101168	5.5000e-004	4.9600e-003	4.1700e-003	3.0000e-005		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004	0.0000	5.3987	5.3987	1.0000e-004	1.0000e-004	5.4308
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>9.0000e-003</b>	<b>0.0818</b>	<b>0.0687</b>	<b>4.9000e-004</b>		<b>6.2200e-003</b>	<b>6.2200e-003</b>		<b>6.2200e-003</b>	<b>6.2200e-003</b>	<b>0.0000</b>	<b>89.0668</b>	<b>89.0668</b>	<b>1.7000e-003</b>	<b>1.6300e-003</b>	<b>89.5961</b>



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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			
Automobile Care Center	498548	80.1115	6.5600e-003	1.3600e-003	80.6798
Enclosed Parking with Elevator	1.73083e+006	278.1268	0.0228	4.7100e-003	280.0997
General Office Building	112053	18.0058	1.4700e-003	3.0000e-004	18.1335
Parking Lot	22176	3.5635	2.9000e-004	6.0000e-005	3.5887
<b>Total</b>		<b>379.8075</b>	<b>0.0311</b>	<b>6.4300e-003</b>	<b>382.5017</b>

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**5.3 Energy by Land Use - Electricity**

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Automobile Care Center	498548	80.1115	6.5600e-003	1.3600e-003	80.6798
Enclosed Parking with Elevator	1.73083e+006	278.1268	0.0228	4.7100e-003	280.0997
General Office Building	112053	18.0058	1.4700e-003	3.0000e-004	18.1335
Parking Lot	22176	3.5635	2.9000e-004	6.0000e-005	3.5887
<b>Total</b>		<b>379.8075</b>	<b>0.0311</b>	<b>6.4300e-003</b>	<b>382.5017</b>

**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	0.3141	7.0000e-005	7.1100e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0138	0.0138	4.0000e-005	0.0000	0.0147
Unmitigated	0.3141	7.0000e-005	7.1100e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0138	0.0138	4.0000e-005	0.0000	0.0147

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	0.0400					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2735					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.6000e-004	7.0000e-005	7.1100e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0138	0.0138	4.0000e-005	0.0000	0.0147
<b>Total</b>	<b>0.3141</b>	<b>7.0000e-005</b>	<b>7.1100e-003</b>	<b>0.0000</b>		<b>3.0000e-005</b>	<b>3.0000e-005</b>		<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0138</b>	<b>0.0138</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.0147</b>

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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	0.0400					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2735					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.6000e-004	7.0000e-005	7.1100e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0138	0.0138	4.0000e-005	0.0000	0.0147
<b>Total</b>	<b>0.3141</b>	<b>7.0000e-005</b>	<b>7.1100e-003</b>	<b>0.0000</b>		<b>3.0000e-005</b>	<b>3.0000e-005</b>		<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0138</b>	<b>0.0138</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.0147</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	10.2050	0.2178	5.2600e-003	17.2186
Unmitigated	10.2050	0.2178	5.2600e-003	17.2186

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Automobile Care Center	5.57054 / 3.4142	8.5310	0.1821	4.4000e-003	14.3941
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	1.09306 / 0.669942	1.6740	0.0357	8.6000e-004	2.8244
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>10.2050</b>	<b>0.2178</b>	<b>5.2600e-003</b>	<b>17.2186</b>

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**7.2 Water by Land Use**

**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Automobile Care Center	5.57054 / 3.4142	8.5310	0.1821	4.4000e-003	14.3941
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	1.09306 / 0.669942	1.6740	0.0357	8.6000e-004	2.8244
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>10.2050</b>	<b>0.2178</b>	<b>5.2600e-003</b>	<b>17.2186</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

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**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	47.0736	2.7820	0.0000	116.6229
Unmitigated	47.0736	2.7820	0.0000	116.6229

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	226.18	45.9125	2.7134	0.0000	113.7463
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	5.72	1.1611	0.0686	0.0000	2.8766
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>47.0736</b>	<b>2.7820</b>	<b>0.0000</b>	<b>116.6229</b>

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**8.2 Waste by Land Use**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	226.18	45.9125	2.7134	0.0000	113.7463
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	5.72	1.1611	0.0686	0.0000	2.8766
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>47.0736</b>	<b>2.7820</b>	<b>0.0000</b>	<b>116.6229</b>

**9.0 Operational Offroad**

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Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Generator Sets	0	8.00	260	84	0.74	Diesel



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**UnMitigated/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
Equipment Type	tons/yr										MT/yr					
Generator Sets	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**10.0 Stationary Equipment**

**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	2	8	32	84	0.73	Diesel

**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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**10.1 Stationary Sources**

**Unmitigated/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
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (75 - 100 HP)	4.4100e-003	0.0144	0.0160	2.0000e-005		6.5000e-004	6.5000e-004		6.5000e-004	6.5000e-004	0.0000	2.0472	2.0472	2.9000e-004	0.0000	2.0543
<b>Total</b>	<b>4.4100e-003</b>	<b>0.0144</b>	<b>0.0160</b>	<b>2.0000e-005</b>		<b>6.5000e-004</b>	<b>6.5000e-004</b>		<b>6.5000e-004</b>	<b>6.5000e-004</b>	<b>0.0000</b>	<b>2.0472</b>	<b>2.0472</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>2.0543</b>

**11.0 Vegetation**

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**Greenhouse Gas Emission Worksheet**

**N<sub>2</sub>O Mobile Emissions**

1700-1730 Embarcadero Road

From CalEEMod v.2016.3.1 Vehicle Fleet Mix Output:

Annual VMT: 707,104

Vehicle Type	Percent Type	CH <sub>4</sub> Emission Factor (g/mile)*	CH <sub>4</sub> Emissions (g/mile)**	N <sub>2</sub> O Emission Factor (g/mile)*	N <sub>2</sub> O Emissions (g/mile)**
Light Auto	60.7%	0.04	0.02428	0.04	0.02428
Light Truck < 3750 lbs	3.7%	0.05	0.00183875	0.06	0.0022065
Light Truck 3751-5750 lbs	18.4%	0.05	0.0092	0.06	0.01104
Med Truck 5751-8500 lbs	10.7%	0.12	0.01284	0.2	0.0214
Lite-Heavy Truck 8501-10,000 lbs	1.5%	0.12	0.0018	0.2	0.003
Lite-Heavy Truck 10,001-14,000 lbs	0.5%	0.09	0.00045063	0.125	0.000625875
Med-Heavy Truck 14,001-33,000 lbs	1.2%	0.06	0.00072	0.05	0.0006
Heavy-Heavy Truck 33,001-60,000 lbs	2.0%	0.06	0.0012	0.05	0.001
Other Bus	0.2%	0.06	0.00012	0.05	0.0001
Urban Bus	0.1%	0.06	0.00006	0.05	0.00005
Motorcycle	0.1%	0.09	0.000045	0.01	0.000005
School Bus	0.1%	0.06	0.00003762	0.05	0.00003135
Motor Home	0.1%	0.09	0.0000666	0.125	0.0000925
<b>Total</b>	<b>99.2%</b>		<b>0.0526586</b>		<b>0.064431225</b>

**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 (CO<sub>2</sub>e) Units based on Global Warming Potential (GWP)**

CH<sub>4</sub> 21 GWP  
 N<sub>2</sub>O 310 GWP  
 1 ton (short, US) = 0.90718474 metric ton

**Annual Mobile Emissions:**

	Total Emissions	Total CO <sub>2</sub> e units
N <sub>2</sub> O Emissions:	0.0456 metric tons N <sub>2</sub> O	14.12 metric tons CO <sub>2</sub> e
<b>Project Total:</b>		<b>14.12 metric tons CO<sub>2</sub>e</b>

**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.
- \*\*\* CalEEMod v.2016.3.1 results for mobile sources.