

# **Appendix F**

## **Air Quality and Greenhouse Gas Calculations**

## **Appendix F**

### Air Quality and Greenhouse Gas Supporting Information

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- 2025 Annual AQ and GHG Calculations
- 2025 Summer AQ and GHG Calculations
- 2025 Winter AQ and GHG Calculations
- 2040 Annual AQ and GHG Calculations
- 2040 Summer AQ and GHG Calculations
- 2040 Winter AQ and GHG Calculations

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**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	5.00	1000sqft	0.11	5,000.00	0
Medical Office Building	158.00	1000sqft	3.63	158,000.00	0
City Park	80.00	Acre	80.00	3,484,800.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	64
<b>Climate Zone</b>	5			<b>Operational Year</b>	2025
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	641.35	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

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

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Project Characteristics -

Land Use - The City Park land use is representative of the cemetery

Construction Phase - Reduced building construction to coincide with the project's operational year. Architectural coating was changed to overlap with building construction.

Off-road Equipment - minimal grading required

Trips and VMT - few trips required for cemetery

Grading - Total site area changed

Vehicle Trips - Trip rates adjusted to match traffic report

Construction Off-road Equipment Mitigation -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

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Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	1,550.00	835.00
tblConstructionPhase	PhaseEndDate	10/8/2027	1/10/2025
tblConstructionPhase	PhaseEndDate	8/11/2028	1/10/2025
tblConstructionPhase	PhaseEndDate	3/10/2028	6/13/2025
tblConstructionPhase	PhaseStartDate	3/11/2028	8/12/2024
tblConstructionPhase	PhaseStartDate	10/9/2027	1/13/2025
tblGrading	AcresOfGrading	232.50	84.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblTripsAndVMT	VendorTripNumber	598.00	54.00
tblTripsAndVMT	WorkerTripNumber	15.00	20.00
tblTripsAndVMT	WorkerTripNumber	1,516.00	104.00
tblTripsAndVMT	WorkerTripNumber	303.00	20.00
tblVehicleTrips	ST_TR	22.75	4.22
tblVehicleTrips	ST_TR	2.46	10.60
tblVehicleTrips	ST_TR	8.96	9.56
tblVehicleTrips	SU_TR	16.74	4.22
tblVehicleTrips	SU_TR	1.05	10.60
tblVehicleTrips	SU_TR	1.55	9.56
tblVehicleTrips	WD_TR	1.89	4.22
tblVehicleTrips	WD_TR	11.03	10.60
tblVehicleTrips	WD_TR	36.13	9.56

**2.0 Emissions Summary**

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**2.1 Overall Construction**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.4119	4.3431	2.7353	5.6300e-003	1.0962	0.1969	1.2931	0.5709	0.1816	0.7525	0.0000	497.4928	497.4928	0.1391	0.0000	500.9695
2022	0.2813	2.7501	2.5780	6.3400e-003	0.1529	0.1072	0.2601	0.0417	0.1009	0.1426	0.0000	568.5184	568.5184	0.0825	0.0000	570.5818
2023	0.2562	2.4285	2.5221	6.2500e-003	0.1529	0.0923	0.2451	0.0417	0.0868	0.1285	0.0000	560.2375	560.2375	0.0806	0.0000	562.2526
2024	1.0422	2.3794	2.6168	6.4600e-003	0.1621	0.0848	0.2469	0.0442	0.0799	0.1241	0.0000	579.1607	579.1607	0.0813	0.0000	581.1942
2025	0.1219	0.5444	0.8993	1.5100e-003	0.0119	0.0254	0.0373	3.1900e-003	0.0234	0.0266	0.0000	133.2560	133.2560	0.0382	0.0000	134.2108
<b>Maximum</b>	<b>1.0422</b>	<b>4.3431</b>	<b>2.7353</b>	<b>6.4600e-003</b>	<b>1.0962</b>	<b>0.1969</b>	<b>1.2931</b>	<b>0.5709</b>	<b>0.1816</b>	<b>0.7525</b>	<b>0.0000</b>	<b>579.1607</b>	<b>579.1607</b>	<b>0.1391</b>	<b>0.0000</b>	<b>581.1942</b>

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**2.1 Overall Construction**

**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					
2021	0.4119	4.3431	2.7353	5.6300e-003	0.5169	0.1969	0.7138	0.2633	0.1816	0.4449	0.0000	497.4923	497.4923	0.1391	0.0000	500.9690
2022	0.2813	2.7501	2.5780	6.3400e-003	0.1529	0.1072	0.2601	0.0417	0.1009	0.1426	0.0000	568.5180	568.5180	0.0825	0.0000	570.5815
2023	0.2562	2.4285	2.5221	6.2500e-003	0.1529	0.0923	0.2451	0.0417	0.0868	0.1285	0.0000	560.2371	560.2371	0.0806	0.0000	562.2522
2024	1.0422	2.3794	2.6168	6.4600e-003	0.1621	0.0848	0.2469	0.0442	0.0799	0.1241	0.0000	579.1603	579.1603	0.0813	0.0000	581.1938
2025	0.1219	0.5444	0.8993	1.5100e-003	0.0119	0.0254	0.0373	3.1900e-003	0.0234	0.0266	0.0000	133.2559	133.2559	0.0382	0.0000	134.2107
<b>Maximum</b>	<b>1.0422</b>	<b>4.3431</b>	<b>2.7353</b>	<b>6.4600e-003</b>	<b>0.5169</b>	<b>0.1969</b>	<b>0.7138</b>	<b>0.2633</b>	<b>0.1816</b>	<b>0.4449</b>	<b>0.0000</b>	<b>579.1603</b>	<b>579.1603</b>	<b>0.1391</b>	<b>0.0000</b>	<b>581.1938</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
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>36.76</b>	<b>0.00</b>	<b>27.82</b>	<b>43.83</b>	<b>0.00</b>	<b>26.19</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-4-2021	4-3-2021	1.4077	1.4077
2	4-4-2021	7-3-2021	1.1920	1.1920
3	7-4-2021	10-3-2021	1.2052	1.2052
4	10-4-2021	1-3-2022	0.9448	0.9448
5	1-4-2022	4-3-2022	0.7508	0.7508
6	4-4-2022	7-3-2022	0.7557	0.7557

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7	7-4-2022	10-3-2022	0.7642	0.7642
8	10-4-2022	1-3-2023	0.7648	0.7648
9	1-4-2023	4-3-2023	0.6651	0.6651
10	4-4-2023	7-3-2023	0.6698	0.6698
11	7-4-2023	10-3-2023	0.6773	0.6773
12	10-4-2023	1-3-2024	0.6787	0.6787
13	1-4-2024	4-3-2024	0.6358	0.6358
14	4-4-2024	7-3-2024	0.6333	0.6333
15	7-4-2024	10-3-2024	0.9608	0.9608
16	10-4-2024	1-3-2025	1.1982	1.1982
17	1-4-2025	4-3-2025	0.3647	0.3647
18	4-4-2025	7-3-2025	0.2422	0.2422
		Highest	1.4077	1.4077



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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	0.7546	2.0000e-005	2.2300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.3400e-003	4.3400e-003	1.0000e-005	0.0000	4.6200e-003
Energy	0.0170	0.1545	0.1297	9.3000e-004		0.0117	0.0117		0.0117	0.0117	0.0000	759.9219	759.9219	0.0300	8.6200e-003	763.2398
Mobile	0.3662	1.6810	3.8890	0.0150	1.4152	0.0123	1.4276	0.3798	0.0115	0.3913	0.0000	1,383.7044	1,383.7044	0.0478	0.0000	1,384.9001
Waste						0.0000	0.0000		0.0000	0.0000	348.7243	0.0000	348.7243	20.6090	0.0000	863.9496
Water						0.0000	0.0000		0.0000	0.0000	6.5718	134.0593	140.6311	0.6811	0.0172	162.7805
<b>Total</b>	<b>1.1377</b>	<b>1.8355</b>	<b>4.0210</b>	<b>0.0160</b>	<b>1.4152</b>	<b>0.0241</b>	<b>1.4393</b>	<b>0.3798</b>	<b>0.0233</b>	<b>0.4030</b>	<b>355.2960</b>	<b>2,277.6899</b>	<b>2,632.9859</b>	<b>21.3679</b>	<b>0.0258</b>	<b>3,174.8747</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	0.7546	2.0000e-005	2.2300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.3400e-003	4.3400e-003	1.0000e-005	0.0000	4.6200e-003
Energy	0.0170	0.1545	0.1297	9.3000e-004		0.0117	0.0117		0.0117	0.0117	0.0000	759.9219	759.9219	0.0300	8.6200e-003	763.2398
Mobile	0.3662	1.6810	3.8890	0.0150	1.4152	0.0123	1.4276	0.3798	0.0115	0.3913	0.0000	1,383.7044	1,383.7044	0.0478	0.0000	1,384.9001
Waste						0.0000	0.0000		0.0000	0.0000	348.7243	0.0000	348.7243	20.6090	0.0000	863.9496
Water						0.0000	0.0000		0.0000	0.0000	6.5718	134.0593	140.6311	0.6811	0.0172	162.7805
<b>Total</b>	<b>1.1377</b>	<b>1.8355</b>	<b>4.0210</b>	<b>0.0160</b>	<b>1.4152</b>	<b>0.0241</b>	<b>1.4393</b>	<b>0.3798</b>	<b>0.0233</b>	<b>0.4030</b>	<b>355.2960</b>	<b>2,277.6899</b>	<b>2,632.9859</b>	<b>21.3679</b>	<b>0.0258</b>	<b>3,174.8747</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	Site Preparation	Site Preparation	1/4/2021	3/26/2021	5	60	
2	Grading	Grading	3/27/2021	10/29/2021	5	155	
3	Building Construction	Building Construction	10/30/2021	1/10/2025	5	835	
4	Paving	Paving	1/13/2025	6/13/2025	5	110	
5	Architectural Coating	Architectural Coating	8/12/2024	1/10/2025	5	110	

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

**Acres of Grading (Grading Phase): 84**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 244,500; Non-Residential Outdoor: 81,500; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	1	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
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
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	104.00	54.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	20.00	0.00	0.00	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

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**3.1 Mitigation Measures Construction**

Water Exposed Area

**3.2 Site Preparation - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5420	0.0000	0.5420	0.2979	0.0000	0.2979	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1167	1.2149	0.6346	1.1400e-003		0.0613	0.0613		0.0564	0.0564	0.0000	100.3072	100.3072	0.0324	0.0000	101.1182
<b>Total</b>	<b>0.1167</b>	<b>1.2149</b>	<b>0.6346</b>	<b>1.1400e-003</b>	<b>0.5420</b>	<b>0.0613</b>	<b>0.6033</b>	<b>0.2979</b>	<b>0.0564</b>	<b>0.3544</b>	<b>0.0000</b>	<b>100.3072</b>	<b>100.3072</b>	<b>0.0324</b>	<b>0.0000</b>	<b>101.1182</b>

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**3.2 Site Preparation - 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	1.6600e-003	1.1400e-003	0.0121	4.0000e-005	4.2700e-003	3.0000e-005	4.2900e-003	1.1400e-003	3.0000e-005	1.1600e-003	0.0000	3.6072	3.6072	8.0000e-005	0.0000	3.6092
<b>Total</b>	<b>1.6600e-003</b>	<b>1.1400e-003</b>	<b>0.0121</b>	<b>4.0000e-005</b>	<b>4.2700e-003</b>	<b>3.0000e-005</b>	<b>4.2900e-003</b>	<b>1.1400e-003</b>	<b>3.0000e-005</b>	<b>1.1600e-003</b>	<b>0.0000</b>	<b>3.6072</b>	<b>3.6072</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>3.6092</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					0.2439	0.0000	0.2439	0.1341	0.0000	0.1341	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1167	1.2149	0.6346	1.1400e-003		0.0613	0.0613		0.0564	0.0564	0.0000	100.3070	100.3070	0.0324	0.0000	101.1181
<b>Total</b>	<b>0.1167</b>	<b>1.2149</b>	<b>0.6346</b>	<b>1.1400e-003</b>	<b>0.2439</b>	<b>0.0613</b>	<b>0.3052</b>	<b>0.1341</b>	<b>0.0564</b>	<b>0.1905</b>	<b>0.0000</b>	<b>100.3070</b>	<b>100.3070</b>	<b>0.0324</b>	<b>0.0000</b>	<b>101.1181</b>

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**3.2 Site Preparation - 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	1.6600e-003	1.1400e-003	0.0121	4.0000e-005	4.2700e-003	3.0000e-005	4.2900e-003	1.1400e-003	3.0000e-005	1.1600e-003	0.0000	3.6072	3.6072	8.0000e-005	0.0000	3.6092
<b>Total</b>	<b>1.6600e-003</b>	<b>1.1400e-003</b>	<b>0.0121</b>	<b>4.0000e-005</b>	<b>4.2700e-003</b>	<b>3.0000e-005</b>	<b>4.2900e-003</b>	<b>1.1400e-003</b>	<b>3.0000e-005</b>	<b>1.1600e-003</b>	<b>0.0000</b>	<b>3.6072</b>	<b>3.6072</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>3.6092</b>

**3.3 Grading - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5113	0.0000	0.5113	0.2614	0.0000	0.2614	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2350	2.5996	1.5967	3.2300e-003		0.1135	0.1135		0.1044	0.1044	0.0000	283.9650	283.9650	0.0918	0.0000	286.2610
<b>Total</b>	<b>0.2350</b>	<b>2.5996</b>	<b>1.5967</b>	<b>3.2300e-003</b>	<b>0.5113</b>	<b>0.1135</b>	<b>0.6248</b>	<b>0.2614</b>	<b>0.1044</b>	<b>0.3658</b>	<b>0.0000</b>	<b>283.9650</b>	<b>283.9650</b>	<b>0.0918</b>	<b>0.0000</b>	<b>286.2610</b>

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**3.3 Grading - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7600e-003	3.2800e-003	0.0348	1.1000e-004	0.0123	8.0000e-005	0.0123	3.2600e-003	7.0000e-005	3.3300e-003	0.0000	10.3539	10.3539	2.3000e-004	0.0000	10.3597
<b>Total</b>	<b>4.7600e-003</b>	<b>3.2800e-003</b>	<b>0.0348</b>	<b>1.1000e-004</b>	<b>0.0123</b>	<b>8.0000e-005</b>	<b>0.0123</b>	<b>3.2600e-003</b>	<b>7.0000e-005</b>	<b>3.3300e-003</b>	<b>0.0000</b>	<b>10.3539</b>	<b>10.3539</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>10.3597</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					0.2301	0.0000	0.2301	0.1176	0.0000	0.1176	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2350	2.5996	1.5967	3.2300e-003		0.1135	0.1135		0.1044	0.1044	0.0000	283.9647	283.9647	0.0918	0.0000	286.2607
<b>Total</b>	<b>0.2350</b>	<b>2.5996</b>	<b>1.5967</b>	<b>3.2300e-003</b>	<b>0.2301</b>	<b>0.1135</b>	<b>0.3436</b>	<b>0.1176</b>	<b>0.1044</b>	<b>0.2220</b>	<b>0.0000</b>	<b>283.9647</b>	<b>283.9647</b>	<b>0.0918</b>	<b>0.0000</b>	<b>286.2607</b>



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**3.3 Grading - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7600e-003	3.2800e-003	0.0348	1.1000e-004	0.0123	8.0000e-005	0.0123	3.2600e-003	7.0000e-005	3.3300e-003	0.0000	10.3539	10.3539	2.3000e-004	0.0000	10.3597
<b>Total</b>	<b>4.7600e-003</b>	<b>3.2800e-003</b>	<b>0.0348</b>	<b>1.1000e-004</b>	<b>0.0123</b>	<b>8.0000e-005</b>	<b>0.0123</b>	<b>3.2600e-003</b>	<b>7.0000e-005</b>	<b>3.3300e-003</b>	<b>0.0000</b>	<b>10.3539</b>	<b>10.3539</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>10.3597</b>

**3.4 Building Construction - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0428	0.3922	0.3729	6.1000e-004		0.0216	0.0216		0.0203	0.0203	0.0000	52.1184	52.1184	0.0126	0.0000	52.4327
<b>Total</b>	<b>0.0428</b>	<b>0.3922</b>	<b>0.3729</b>	<b>6.1000e-004</b>		<b>0.0216</b>	<b>0.0216</b>		<b>0.0203</b>	<b>0.0203</b>	<b>0.0000</b>	<b>52.1184</b>	<b>52.1184</b>	<b>0.0126</b>	<b>0.0000</b>	<b>52.4327</b>

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**3.4 Building Construction - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.8600e-003	0.1269	0.0317	3.3000e-004	7.9700e-003	2.8000e-004	8.2400e-003	2.3000e-003	2.6000e-004	2.5700e-003	0.0000	31.5103	31.5103	1.5500e-003	0.0000	31.5490
Worker	7.1800e-003	4.9500e-003	0.0525	1.7000e-004	0.0185	1.2000e-004	0.0186	4.9200e-003	1.1000e-004	5.0300e-003	0.0000	15.6310	15.6310	3.5000e-004	0.0000	15.6397
<b>Total</b>	<b>0.0110</b>	<b>0.1319</b>	<b>0.0842</b>	<b>5.0000e-004</b>	<b>0.0265</b>	<b>4.0000e-004</b>	<b>0.0269</b>	<b>7.2200e-003</b>	<b>3.7000e-004</b>	<b>7.6000e-003</b>	<b>0.0000</b>	<b>47.1413</b>	<b>47.1413</b>	<b>1.9000e-003</b>	<b>0.0000</b>	<b>47.1888</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	0.0428	0.3922	0.3729	6.1000e-004		0.0216	0.0216		0.0203	0.0203	0.0000	52.1183	52.1183	0.0126	0.0000	52.4327
<b>Total</b>	<b>0.0428</b>	<b>0.3922</b>	<b>0.3729</b>	<b>6.1000e-004</b>		<b>0.0216</b>	<b>0.0216</b>		<b>0.0203</b>	<b>0.0203</b>	<b>0.0000</b>	<b>52.1183</b>	<b>52.1183</b>	<b>0.0126</b>	<b>0.0000</b>	<b>52.4327</b>

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**3.4 Building Construction - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.8600e-003	0.1269	0.0317	3.3000e-004	7.9700e-003	2.8000e-004	8.2400e-003	2.3000e-003	2.6000e-004	2.5700e-003	0.0000	31.5103	31.5103	1.5500e-003	0.0000	31.5490
Worker	7.1800e-003	4.9500e-003	0.0525	1.7000e-004	0.0185	1.2000e-004	0.0186	4.9200e-003	1.1000e-004	5.0300e-003	0.0000	15.6310	15.6310	3.5000e-004	0.0000	15.6397
<b>Total</b>	<b>0.0110</b>	<b>0.1319</b>	<b>0.0842</b>	<b>5.0000e-004</b>	<b>0.0265</b>	<b>4.0000e-004</b>	<b>0.0269</b>	<b>7.2200e-003</b>	<b>3.7000e-004</b>	<b>7.6000e-003</b>	<b>0.0000</b>	<b>47.1413</b>	<b>47.1413</b>	<b>1.9000e-003</b>	<b>0.0000</b>	<b>47.1888</b>

**3.4 Building Construction - 2022**

**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	0.2218	2.0300	2.1272	3.5000e-003		0.1052	0.1052		0.0990	0.0990	0.0000	301.2428	301.2428	0.0722	0.0000	303.0471
<b>Total</b>	<b>0.2218</b>	<b>2.0300</b>	<b>2.1272</b>	<b>3.5000e-003</b>		<b>0.1052</b>	<b>0.1052</b>		<b>0.0990</b>	<b>0.0990</b>	<b>0.0000</b>	<b>301.2428</b>	<b>301.2428</b>	<b>0.0722</b>	<b>0.0000</b>	<b>303.0471</b>

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**3.4 Building Construction - 2022**

**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	0.0208	0.6944	0.1721	1.8700e-003	0.0460	1.3800e-003	0.0474	0.0133	1.3200e-003	0.0146	0.0000	180.2743	180.2743	8.5500e-003	0.0000	180.4881
Worker	0.0387	0.0257	0.2787	9.6000e-004	0.1068	6.8000e-004	0.1075	0.0284	6.3000e-004	0.0291	0.0000	87.0013	87.0013	1.8200e-003	0.0000	87.0467
<b>Total</b>	<b>0.0595</b>	<b>0.7201</b>	<b>0.4508</b>	<b>2.8300e-003</b>	<b>0.1529</b>	<b>2.0600e-003</b>	<b>0.1549</b>	<b>0.0417</b>	<b>1.9500e-003</b>	<b>0.0437</b>	<b>0.0000</b>	<b>267.2755</b>	<b>267.2755</b>	<b>0.0104</b>	<b>0.0000</b>	<b>267.5348</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	0.2218	2.0300	2.1272	3.5000e-003		0.1052	0.1052		0.0990	0.0990	0.0000	301.2425	301.2425	0.0722	0.0000	303.0467
<b>Total</b>	<b>0.2218</b>	<b>2.0300</b>	<b>2.1272</b>	<b>3.5000e-003</b>		<b>0.1052</b>	<b>0.1052</b>		<b>0.0990</b>	<b>0.0990</b>	<b>0.0000</b>	<b>301.2425</b>	<b>301.2425</b>	<b>0.0722</b>	<b>0.0000</b>	<b>303.0467</b>

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**3.4 Building Construction - 2022**

**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	0.0208	0.6944	0.1721	1.8700e-003	0.0460	1.3800e-003	0.0474	0.0133	1.3200e-003	0.0146	0.0000	180.2743	180.2743	8.5500e-003	0.0000	180.4881
Worker	0.0387	0.0257	0.2787	9.6000e-004	0.1068	6.8000e-004	0.1075	0.0284	6.3000e-004	0.0291	0.0000	87.0013	87.0013	1.8200e-003	0.0000	87.0467
<b>Total</b>	<b>0.0595</b>	<b>0.7201</b>	<b>0.4508</b>	<b>2.8300e-003</b>	<b>0.1529</b>	<b>2.0600e-003</b>	<b>0.1549</b>	<b>0.0417</b>	<b>1.9500e-003</b>	<b>0.0437</b>	<b>0.0000</b>	<b>267.2755</b>	<b>267.2755</b>	<b>0.0104</b>	<b>0.0000</b>	<b>267.5348</b>

**3.4 Building Construction - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383
<b>Total</b>	<b>0.2045</b>	<b>1.8700</b>	<b>2.1117</b>	<b>3.5000e-003</b>		<b>0.0910</b>	<b>0.0910</b>		<b>0.0856</b>	<b>0.0856</b>	<b>0.0000</b>	<b>301.3462</b>	<b>301.3462</b>	<b>0.0717</b>	<b>0.0000</b>	<b>303.1383</b>

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**3.4 Building Construction - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0156	0.5354	0.1540	1.8200e-003	0.0460	6.2000e-004	0.0467	0.0133	5.9000e-004	0.0139	0.0000	175.2220	175.2220	7.2900e-003	0.0000	175.4042
Worker	0.0362	0.0231	0.2563	9.2000e-004	0.1068	6.7000e-004	0.1075	0.0284	6.2000e-004	0.0290	0.0000	83.6693	83.6693	1.6300e-003	0.0000	83.7100
<b>Total</b>	<b>0.0518</b>	<b>0.5585</b>	<b>0.4104</b>	<b>2.7400e-003</b>	<b>0.1529</b>	<b>1.2900e-003</b>	<b>0.1542</b>	<b>0.0417</b>	<b>1.2100e-003</b>	<b>0.0429</b>	<b>0.0000</b>	<b>258.8913</b>	<b>258.8913</b>	<b>8.9200e-003</b>	<b>0.0000</b>	<b>259.1143</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	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380
<b>Total</b>	<b>0.2045</b>	<b>1.8700</b>	<b>2.1117</b>	<b>3.5000e-003</b>		<b>0.0910</b>	<b>0.0910</b>		<b>0.0856</b>	<b>0.0856</b>	<b>0.0000</b>	<b>301.3458</b>	<b>301.3458</b>	<b>0.0717</b>	<b>0.0000</b>	<b>303.1380</b>

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**3.4 Building Construction - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0156	0.5354	0.1540	1.8200e-003	0.0460	6.2000e-004	0.0467	0.0133	5.9000e-004	0.0139	0.0000	175.2220	175.2220	7.2900e-003	0.0000	175.4042
Worker	0.0362	0.0231	0.2563	9.2000e-004	0.1068	6.7000e-004	0.1075	0.0284	6.2000e-004	0.0290	0.0000	83.6693	83.6693	1.6300e-003	0.0000	83.7100
<b>Total</b>	<b>0.0518</b>	<b>0.5585</b>	<b>0.4104</b>	<b>2.7400e-003</b>	<b>0.1529</b>	<b>1.2900e-003</b>	<b>0.1542</b>	<b>0.0417</b>	<b>1.2100e-003</b>	<b>0.0429</b>	<b>0.0000</b>	<b>258.8913</b>	<b>258.8913</b>	<b>8.9200e-003</b>	<b>0.0000</b>	<b>259.1143</b>

**3.4 Building Construction - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179
<b>Total</b>	<b>0.1928</b>	<b>1.7611</b>	<b>2.1179</b>	<b>3.5300e-003</b>		<b>0.0803</b>	<b>0.0803</b>		<b>0.0756</b>	<b>0.0756</b>	<b>0.0000</b>	<b>303.7223</b>	<b>303.7223</b>	<b>0.0718</b>	<b>0.0000</b>	<b>305.5179</b>

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**3.4 Building Construction - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0152	0.5335	0.1495	1.8200e-003	0.0464	6.1000e-004	0.0470	0.0134	5.8000e-004	0.0140	0.0000	175.3781	175.3781	7.2000e-003	0.0000	175.5581
Worker	0.0343	0.0210	0.2393	8.9000e-004	0.1077	6.6000e-004	0.1083	0.0286	6.1000e-004	0.0293	0.0000	80.9761	80.9761	1.4800e-003	0.0000	81.0130
<b>Total</b>	<b>0.0495</b>	<b>0.5545</b>	<b>0.3887</b>	<b>2.7100e-003</b>	<b>0.1540</b>	<b>1.2700e-003</b>	<b>0.1553</b>	<b>0.0421</b>	<b>1.1900e-003</b>	<b>0.0433</b>	<b>0.0000</b>	<b>256.3543</b>	<b>256.3543</b>	<b>8.6800e-003</b>	<b>0.0000</b>	<b>256.5711</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	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175
<b>Total</b>	<b>0.1928</b>	<b>1.7611</b>	<b>2.1179</b>	<b>3.5300e-003</b>		<b>0.0803</b>	<b>0.0803</b>		<b>0.0756</b>	<b>0.0756</b>	<b>0.0000</b>	<b>303.7220</b>	<b>303.7220</b>	<b>0.0718</b>	<b>0.0000</b>	<b>305.5175</b>



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**3.4 Building Construction - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0152	0.5335	0.1495	1.8200e-003	0.0464	6.1000e-004	0.0470	0.0134	5.8000e-004	0.0140	0.0000	175.3781	175.3781	7.2000e-003	0.0000	175.5581
Worker	0.0343	0.0210	0.2393	8.9000e-004	0.1077	6.6000e-004	0.1083	0.0286	6.1000e-004	0.0293	0.0000	80.9761	80.9761	1.4800e-003	0.0000	81.0130
<b>Total</b>	<b>0.0495</b>	<b>0.5545</b>	<b>0.3887</b>	<b>2.7100e-003</b>	<b>0.1540</b>	<b>1.2700e-003</b>	<b>0.1553</b>	<b>0.0421</b>	<b>1.1900e-003</b>	<b>0.0433</b>	<b>0.0000</b>	<b>256.3543</b>	<b>256.3543</b>	<b>8.6800e-003</b>	<b>0.0000</b>	<b>256.5711</b>

**3.4 Building Construction - 2025**

**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	5.4700e-003	0.0499	0.0643	1.1000e-004		2.1100e-003	2.1100e-003		1.9900e-003	1.9900e-003	0.0000	9.2768	9.2768	2.1800e-003	0.0000	9.3313
<b>Total</b>	<b>5.4700e-003</b>	<b>0.0499</b>	<b>0.0643</b>	<b>1.1000e-004</b>		<b>2.1100e-003</b>	<b>2.1100e-003</b>		<b>1.9900e-003</b>	<b>1.9900e-003</b>	<b>0.0000</b>	<b>9.2768</b>	<b>9.2768</b>	<b>2.1800e-003</b>	<b>0.0000</b>	<b>9.3313</b>

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**3.4 Building Construction - 2025**

**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	4.5000e-004	0.0161	4.4300e-003	6.0000e-005	1.4200e-003	2.0000e-005	1.4300e-003	4.1000e-004	2.0000e-005	4.3000e-004	0.0000	5.3201	5.3201	2.2000e-004	0.0000	5.3255
Worker	9.9000e-004	5.8000e-004	6.7700e-003	3.0000e-005	3.2900e-003	2.0000e-005	3.3100e-003	8.7000e-004	2.0000e-005	8.9000e-004	0.0000	2.3719	2.3719	4.0000e-005	0.0000	2.3729
<b>Total</b>	<b>1.4400e-003</b>	<b>0.0167</b>	<b>0.0112</b>	<b>9.0000e-005</b>	<b>4.7100e-003</b>	<b>4.0000e-005</b>	<b>4.7400e-003</b>	<b>1.2800e-003</b>	<b>4.0000e-005</b>	<b>1.3200e-003</b>	<b>0.0000</b>	<b>7.6920</b>	<b>7.6920</b>	<b>2.6000e-004</b>	<b>0.0000</b>	<b>7.6984</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	5.4700e-003	0.0499	0.0643	1.1000e-004		2.1100e-003	2.1100e-003		1.9900e-003	1.9900e-003	0.0000	9.2768	9.2768	2.1800e-003	0.0000	9.3313
<b>Total</b>	<b>5.4700e-003</b>	<b>0.0499</b>	<b>0.0643</b>	<b>1.1000e-004</b>		<b>2.1100e-003</b>	<b>2.1100e-003</b>		<b>1.9900e-003</b>	<b>1.9900e-003</b>	<b>0.0000</b>	<b>9.2768</b>	<b>9.2768</b>	<b>2.1800e-003</b>	<b>0.0000</b>	<b>9.3313</b>

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**3.4 Building Construction - 2025**

**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	4.5000e-004	0.0161	4.4300e-003	6.0000e-005	1.4200e-003	2.0000e-005	1.4300e-003	4.1000e-004	2.0000e-005	4.3000e-004	0.0000	5.3201	5.3201	2.2000e-004	0.0000	5.3255
Worker	9.9000e-004	5.8000e-004	6.7700e-003	3.0000e-005	3.2900e-003	2.0000e-005	3.3100e-003	8.7000e-004	2.0000e-005	8.9000e-004	0.0000	2.3719	2.3719	4.0000e-005	0.0000	2.3729
<b>Total</b>	<b>1.4400e-003</b>	<b>0.0167</b>	<b>0.0112</b>	<b>9.0000e-005</b>	<b>4.7100e-003</b>	<b>4.0000e-005</b>	<b>4.7400e-003</b>	<b>1.2800e-003</b>	<b>4.0000e-005</b>	<b>1.3200e-003</b>	<b>0.0000</b>	<b>7.6920</b>	<b>7.6920</b>	<b>2.6000e-004</b>	<b>0.0000</b>	<b>7.6984</b>

**3.5 Paving - 2025**

**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	0.0503	0.4720	0.8018	1.2500e-003		0.0230	0.0230		0.0212	0.0212	0.0000	110.1059	110.1059	0.0356	0.0000	110.9962
Paving	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>0.0503</b>	<b>0.4720</b>	<b>0.8018</b>	<b>1.2500e-003</b>		<b>0.0230</b>	<b>0.0230</b>		<b>0.0212</b>	<b>0.0212</b>	<b>0.0000</b>	<b>110.1059</b>	<b>110.1059</b>	<b>0.0356</b>	<b>0.0000</b>	<b>110.9962</b>

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**3.5 Paving - 2025**

**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	1.9600e-003	1.1600e-003	0.0134	5.0000e-005	6.5200e-003	4.0000e-005	6.5600e-003	1.7300e-003	4.0000e-005	1.7700e-003	0.0000	4.7039	4.7039	8.0000e-005	0.0000	4.7059
<b>Total</b>	<b>1.9600e-003</b>	<b>1.1600e-003</b>	<b>0.0134</b>	<b>5.0000e-005</b>	<b>6.5200e-003</b>	<b>4.0000e-005</b>	<b>6.5600e-003</b>	<b>1.7300e-003</b>	<b>4.0000e-005</b>	<b>1.7700e-003</b>	<b>0.0000</b>	<b>4.7039</b>	<b>4.7039</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>4.7059</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	0.0503	0.4720	0.8018	1.2500e-003		0.0230	0.0230		0.0212	0.0212	0.0000	110.1058	110.1058	0.0356	0.0000	110.9960
Paving	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>0.0503</b>	<b>0.4720</b>	<b>0.8018</b>	<b>1.2500e-003</b>		<b>0.0230</b>	<b>0.0230</b>		<b>0.0212</b>	<b>0.0212</b>	<b>0.0000</b>	<b>110.1058</b>	<b>110.1058</b>	<b>0.0356</b>	<b>0.0000</b>	<b>110.9960</b>

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**3.5 Paving - 2025**

**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	1.9600e-003	1.1600e-003	0.0134	5.0000e-005	6.5200e-003	4.0000e-005	6.5600e-003	1.7300e-003	4.0000e-005	1.7700e-003	0.0000	4.7039	4.7039	8.0000e-005	0.0000	4.7059
<b>Total</b>	<b>1.9600e-003</b>	<b>1.1600e-003</b>	<b>0.0134</b>	<b>5.0000e-005</b>	<b>6.5200e-003</b>	<b>4.0000e-005</b>	<b>6.5600e-003</b>	<b>1.7300e-003</b>	<b>4.0000e-005</b>	<b>1.7700e-003</b>	<b>0.0000</b>	<b>4.7039</b>	<b>4.7039</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>4.7059</b>

**3.6 Architectural Coating - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7881					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.2200e-003	0.0622	0.0923	1.5000e-004		3.1100e-003	3.1100e-003		3.1100e-003	3.1100e-003	0.0000	13.0216	13.0216	7.3000e-004	0.0000	13.0399
<b>Total</b>	<b>0.7974</b>	<b>0.0622</b>	<b>0.0923</b>	<b>1.5000e-004</b>		<b>3.1100e-003</b>	<b>3.1100e-003</b>		<b>3.1100e-003</b>	<b>3.1100e-003</b>	<b>0.0000</b>	<b>13.0216</b>	<b>13.0216</b>	<b>7.3000e-004</b>	<b>0.0000</b>	<b>13.0399</b>

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**3.6 Architectural Coating - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5600e-003	1.5700e-003	0.0179	7.0000e-005	8.0600e-003	5.0000e-005	8.1100e-003	2.1400e-003	5.0000e-005	2.1900e-003	0.0000	6.0625	6.0625	1.1000e-004	0.0000	6.0653
<b>Total</b>	<b>2.5600e-003</b>	<b>1.5700e-003</b>	<b>0.0179</b>	<b>7.0000e-005</b>	<b>8.0600e-003</b>	<b>5.0000e-005</b>	<b>8.1100e-003</b>	<b>2.1400e-003</b>	<b>5.0000e-005</b>	<b>2.1900e-003</b>	<b>0.0000</b>	<b>6.0625</b>	<b>6.0625</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>6.0653</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	0.7881					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.2200e-003	0.0622	0.0923	1.5000e-004		3.1100e-003	3.1100e-003		3.1100e-003	3.1100e-003	0.0000	13.0216	13.0216	7.3000e-004	0.0000	13.0399
<b>Total</b>	<b>0.7974</b>	<b>0.0622</b>	<b>0.0923</b>	<b>1.5000e-004</b>		<b>3.1100e-003</b>	<b>3.1100e-003</b>		<b>3.1100e-003</b>	<b>3.1100e-003</b>	<b>0.0000</b>	<b>13.0216</b>	<b>13.0216</b>	<b>7.3000e-004</b>	<b>0.0000</b>	<b>13.0399</b>

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**3.6 Architectural Coating - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5600e-003	1.5700e-003	0.0179	7.0000e-005	8.0600e-003	5.0000e-005	8.1100e-003	2.1400e-003	5.0000e-005	2.1900e-003	0.0000	6.0625	6.0625	1.1000e-004	0.0000	6.0653
<b>Total</b>	<b>2.5600e-003</b>	<b>1.5700e-003</b>	<b>0.0179</b>	<b>7.0000e-005</b>	<b>8.0600e-003</b>	<b>5.0000e-005</b>	<b>8.1100e-003</b>	<b>2.1400e-003</b>	<b>5.0000e-005</b>	<b>2.1900e-003</b>	<b>0.0000</b>	<b>6.0625</b>	<b>6.0625</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>6.0653</b>

**3.6 Architectural Coating - 2025**

**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	0.0618					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.8000e-004	4.5800e-003	7.2400e-003	1.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	1.0213	1.0213	6.0000e-005	0.0000	1.0227
<b>Total</b>	<b>0.0625</b>	<b>4.5800e-003</b>	<b>7.2400e-003</b>	<b>1.0000e-005</b>		<b>2.1000e-004</b>	<b>2.1000e-004</b>		<b>2.1000e-004</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>1.0213</b>	<b>1.0213</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>1.0227</b>

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**3.6 Architectural Coating - 2025**

**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	1.9000e-004	1.1000e-004	1.3000e-003	1.0000e-005	6.3000e-004	0.0000	6.4000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.4561	0.4561	1.0000e-005	0.0000	0.4563
<b>Total</b>	<b>1.9000e-004</b>	<b>1.1000e-004</b>	<b>1.3000e-003</b>	<b>1.0000e-005</b>	<b>6.3000e-004</b>	<b>0.0000</b>	<b>6.4000e-004</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>0.4561</b>	<b>0.4561</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.4563</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	0.0618					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.8000e-004	4.5800e-003	7.2400e-003	1.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	1.0213	1.0213	6.0000e-005	0.0000	1.0227
<b>Total</b>	<b>0.0625</b>	<b>4.5800e-003</b>	<b>7.2400e-003</b>	<b>1.0000e-005</b>		<b>2.1000e-004</b>	<b>2.1000e-004</b>		<b>2.1000e-004</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>1.0213</b>	<b>1.0213</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>1.0227</b>



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**3.6 Architectural Coating - 2025**

**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	1.9000e-004	1.1000e-004	1.3000e-003	1.0000e-005	6.3000e-004	0.0000	6.4000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.4561	0.4561	1.0000e-005	0.0000	0.4563
<b>Total</b>	<b>1.9000e-004</b>	<b>1.1000e-004</b>	<b>1.3000e-003</b>	<b>1.0000e-005</b>	<b>6.3000e-004</b>	<b>0.0000</b>	<b>6.4000e-004</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>0.4561</b>	<b>0.4561</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.4563</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	0.3662	1.6810	3.8890	0.0150	1.4152	0.0123	1.4276	0.3798	0.0115	0.3913	0.0000	1,383.704 4	1,383.704 4	0.0478	0.0000	1,384.900 1
Unmitigated	0.3662	1.6810	3.8890	0.0150	1.4152	0.0123	1.4276	0.3798	0.0115	0.3913	0.0000	1,383.704 4	1,383.704 4	0.0478	0.0000	1,384.900 1

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	337.60	337.60	337.60	720,726	720,726
General Office Building	53.00	53.00	53.00	126,657	126,657
Medical Office Building	1,510.48	1,510.48	1510.48	2,956,387	2,956,387
<b>Total</b>	<b>1,901.08</b>	<b>1,901.08</b>	<b>1,901.08</b>	<b>3,803,770</b>	<b>3,803,770</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
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Medical Office Building	9.50	7.30	7.30	29.60	51.40	19.00	60	30	10

4.4 Fleet Mix

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Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.581705	0.037849	0.193793	0.109044	0.014574	0.005304	0.018664	0.026966	0.002656	0.002072	0.005755	0.000900	0.000719
General Office Building	0.581705	0.037849	0.193793	0.109044	0.014574	0.005304	0.018664	0.026966	0.002656	0.002072	0.005755	0.000900	0.000719
Medical Office Building	0.581705	0.037849	0.193793	0.109044	0.014574	0.005304	0.018664	0.026966	0.002656	0.002072	0.005755	0.000900	0.000719

**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	591.7837	591.7837	0.0268	5.5400e-003	594.1025
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	591.7837	591.7837	0.0268	5.5400e-003	594.1025
NaturalGas Mitigated	0.0170	0.1545	0.1297	9.3000e-004		0.0117	0.0117		0.0117	0.0117	0.0000	168.1382	168.1382	3.2200e-003	3.0800e-003	169.1373
NaturalGas Unmitigated	0.0170	0.1545	0.1297	9.3000e-004		0.0117	0.0117		0.0117	0.0117	0.0000	168.1382	168.1382	3.2200e-003	3.0800e-003	169.1373

VA Alameda - Bay Area AQMD Air District, Annual

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	96650	5.2000e-004	4.7400e-003	3.9800e-003	3.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	5.1576	5.1576	1.0000e-004	9.0000e-005	5.1883
Medical Office Building	3.05414e+006	0.0165	0.1497	0.1258	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	162.9805	162.9805	3.1200e-003	2.9900e-003	163.9491
<b>Total</b>		<b>0.0170</b>	<b>0.1545</b>	<b>0.1297</b>	<b>9.3000e-004</b>		<b>0.0117</b>	<b>0.0117</b>		<b>0.0117</b>	<b>0.0117</b>	<b>0.0000</b>	<b>168.1382</b>	<b>168.1382</b>	<b>3.2200e-003</b>	<b>3.0800e-003</b>	<b>169.1373</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	96650	5.2000e-004	4.7400e-003	3.9800e-003	3.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	5.1576	5.1576	1.0000e-004	9.0000e-005	5.1883
Medical Office Building	3.05414e+006	0.0165	0.1497	0.1258	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	162.9805	162.9805	3.1200e-003	2.9900e-003	163.9491
<b>Total</b>		<b>0.0170</b>	<b>0.1545</b>	<b>0.1297</b>	<b>9.3000e-004</b>		<b>0.0117</b>	<b>0.0117</b>		<b>0.0117</b>	<b>0.0117</b>	<b>0.0000</b>	<b>168.1382</b>	<b>168.1382</b>	<b>3.2200e-003</b>	<b>3.0800e-003</b>	<b>169.1373</b>

VA Alameda - Bay Area AQMD Air District, Annual

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	62400	18.1529	8.2000e-004	1.7000e-004	18.2240
Medical Office Building	1.97184e+006	573.6309	0.0259	5.3700e-003	575.8785
<b>Total</b>		<b>591.7838</b>	<b>0.0268</b>	<b>5.5400e-003</b>	<b>594.1025</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	62400	18.1529	8.2000e-004	1.7000e-004	18.2240
Medical Office Building	1.97184e+006	573.6309	0.0259	5.3700e-003	575.8785
<b>Total</b>		<b>591.7838</b>	<b>0.0268</b>	<b>5.5400e-003</b>	<b>594.1025</b>

**6.0 Area Detail**

VA Alameda - Bay Area AQMD Air District, Annual

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.7546	2.0000e-005	2.2300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.3400e-003	4.3400e-003	1.0000e-005	0.0000	4.6200e-003
Unmitigated	0.7546	2.0000e-005	2.2300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.3400e-003	4.3400e-003	1.0000e-005	0.0000	4.6200e-003

**6.2 Area by SubCategory**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0850					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6694					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.1000e-004	2.0000e-005	2.2300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.3400e-003	4.3400e-003	1.0000e-005	0.0000	4.6200e-003
<b>Total</b>	<b>0.7546</b>	<b>2.0000e-005</b>	<b>2.2300e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>4.3400e-003</b>	<b>4.3400e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>4.6200e-003</b>

VA Alameda - Bay Area AQMD Air District, Annual

**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	0.0850					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6694					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.1000e-004	2.0000e-005	2.2300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.3400e-003	4.3400e-003	1.0000e-005	0.0000	4.6200e-003
<b>Total</b>	<b>0.7546</b>	<b>2.0000e-005</b>	<b>2.2300e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>4.3400e-003</b>	<b>4.3400e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>4.6200e-003</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

VA Alameda - Bay Area AQMD Air District, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	140.6311	0.6811	0.0172	162.7805
Unmitigated	140.6311	0.6811	0.0172	162.7805

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 95.3185	97.0524	4.3900e-003	9.1000e-004	97.4326
General Office Building	0.888669 / 0.544668	2.2354	0.0291	7.0000e-004	3.1707
Medical Office Building	19.8259 / 3.77637	41.3433	0.6476	0.0156	62.1771
<b>Total</b>		<b>140.6311</b>	<b>0.6811</b>	<b>0.0172</b>	<b>162.7805</b>



VA Alameda - Bay Area AQMD Air District, Annual

**7.2 Water by Land Use**

**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 95.3185	97.0524	4.3900e-003	9.1000e-004	97.4326
General Office Building	0.888669 / 0.544668	2.2354	0.0291	7.0000e-004	3.1707
Medical Office Building	19.8259 / 3.77637	41.3433	0.6476	0.0156	62.1771
<b>Total</b>		<b>140.6311</b>	<b>0.6811</b>	<b>0.0172</b>	<b>162.7805</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

VA Alameda - Bay Area AQMD Air District, Annual

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	348.7243	20.6090	0.0000	863.9496
Unmitigated	348.7243	20.6090	0.0000	863.9496

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	6.88	1.3966	0.0825	0.0000	3.4600
General Office Building	4.65	0.9439	0.0558	0.0000	2.3385
Medical Office Building	1706.4	346.3838	20.4707	0.0000	858.1512
<b>Total</b>		<b>348.7243</b>	<b>20.6090</b>	<b>0.0000</b>	<b>863.9496</b>

VA Alameda - Bay Area AQMD Air District, Annual

**8.2 Waste by Land Use**

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	6.88	1.3966	0.0825	0.0000	3.4600
General Office Building	4.65	0.9439	0.0558	0.0000	2.3385
Medical Office Building	1706.4	346.3838	20.4707	0.0000	858.1512
<b>Total</b>		<b>348.7243</b>	<b>20.6090</b>	<b>0.0000</b>	<b>863.9496</b>

**9.0 Operational Offroad**

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

**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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## 11.0 Vegetation

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VA Alameda - Bay Area AQMD Air District, Summer

**VA Alameda**  
**Bay Area AQMD Air District, Summer**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	5.00	1000sqft	0.11	5,000.00	0
Medical Office Building	158.00	1000sqft	3.63	158,000.00	0
City Park	80.00	Acre	80.00	3,484,800.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	64
<b>Climate Zone</b>	5			<b>Operational Year</b>	2025
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	641.35	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

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

VA Alameda - Bay Area AQMD Air District, Summer

Project Characteristics -

Land Use - The City Park land use is representative of the cemetery

Construction Phase - Reduced building construction to coincide with the project's operational year. Architectural coating was changed to overlap with building construction.

Off-road Equipment - minimal grading required

Trips and VMT - few trips required for cemetery

Grading - Total site area changed

Vehicle Trips - Trip rates adjusted to match traffic report

Construction Off-road Equipment Mitigation -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

VA Alameda - Bay Area AQMD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	1,550.00	835.00
tblConstructionPhase	PhaseEndDate	10/8/2027	1/10/2025
tblConstructionPhase	PhaseEndDate	8/11/2028	1/10/2025
tblConstructionPhase	PhaseEndDate	3/10/2028	6/13/2025
tblConstructionPhase	PhaseStartDate	3/11/2028	8/12/2024
tblConstructionPhase	PhaseStartDate	10/9/2027	1/13/2025
tblGrading	AcresOfGrading	232.50	84.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblTripsAndVMT	VendorTripNumber	598.00	54.00
tblTripsAndVMT	WorkerTripNumber	15.00	20.00
tblTripsAndVMT	WorkerTripNumber	1,516.00	104.00
tblTripsAndVMT	WorkerTripNumber	303.00	20.00
tblVehicleTrips	ST_TR	22.75	4.22
tblVehicleTrips	ST_TR	2.46	10.60
tblVehicleTrips	ST_TR	8.96	9.56
tblVehicleTrips	SU_TR	16.74	4.22
tblVehicleTrips	SU_TR	1.05	10.60
tblVehicleTrips	SU_TR	1.55	9.56
tblVehicleTrips	WD_TR	1.89	4.22
tblVehicleTrips	WD_TR	11.03	10.60
tblVehicleTrips	WD_TR	36.13	9.56

**2.0 Emissions Summary**

VA Alameda - Bay Area AQMD Air District, 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					
2021	3.9461	40.5309	21.5964	0.0499	18.2141	2.0454	20.2595	9.9699	1.8818	11.8517	0.0000	4,937.3779	4,937.3779	1.3098	0.0000	4,955.0695
2022	2.1737	21.0797	19.9549	0.0495	1.2199	0.8247	2.0446	0.3318	0.7760	1.1079	0.0000	4,892.9251	4,892.9251	0.6985	0.0000	4,910.3876
2023	1.9804	18.6297	19.5291	0.0487	1.2199	0.7095	1.9294	0.3318	0.6676	0.9994	0.0000	4,819.9172	4,819.9172	0.6826	0.0000	4,836.9806
2024	17.5441	18.8742	21.4530	0.0527	1.3842	0.6848	2.0690	0.3754	0.6477	1.0232	0.0000	5,202.2855	5,202.2855	0.6948	0.0000	5,219.6565
2025	17.4085	17.7642	21.1650	0.0523	1.3842	0.5895	1.9737	0.3754	0.5575	0.9330	0.0000	5,157.6105	5,157.6105	0.7155	0.0000	5,174.8191
<b>Maximum</b>	<b>17.5441</b>	<b>40.5309</b>	<b>21.5964</b>	<b>0.0527</b>	<b>18.2141</b>	<b>2.0454</b>	<b>20.2595</b>	<b>9.9699</b>	<b>1.8818</b>	<b>11.8517</b>	<b>0.0000</b>	<b>5,202.2855</b>	<b>5,202.2855</b>	<b>1.3098</b>	<b>0.0000</b>	<b>5,219.6565</b>



VA Alameda - Bay Area AQMD Air District, Summer

**2.1 Overall Construction (Maximum Daily Emission)**

**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					
2021	3.9461	40.5309	21.5964	0.0499	8.2777	2.0454	10.3231	4.5080	1.8818	6.3898	0.0000	4,937.3779	4,937.3779	1.3098	0.0000	4,955.0695
2022	2.1737	21.0797	19.9549	0.0495	1.2199	0.8247	2.0446	0.3318	0.7760	1.1079	0.0000	4,892.9251	4,892.9251	0.6985	0.0000	4,910.3876
2023	1.9804	18.6297	19.5291	0.0487	1.2199	0.7095	1.9294	0.3318	0.6676	0.9994	0.0000	4,819.9172	4,819.9172	0.6826	0.0000	4,836.9806
2024	17.5441	18.8742	21.4530	0.0527	1.3842	0.6848	2.0690	0.3754	0.6477	1.0232	0.0000	5,202.2855	5,202.2855	0.6948	0.0000	5,219.6565
2025	17.4085	17.7642	21.1650	0.0523	1.3842	0.5895	1.9737	0.3754	0.5575	0.9330	0.0000	5,157.6105	5,157.6105	0.7155	0.0000	5,174.8191
<b>Maximum</b>	<b>17.5441</b>	<b>40.5309</b>	<b>21.5964</b>	<b>0.0527</b>	<b>8.2777</b>	<b>2.0454</b>	<b>10.3231</b>	<b>4.5080</b>	<b>1.8818</b>	<b>6.3898</b>	<b>0.0000</b>	<b>5,202.2855</b>	<b>5,202.2855</b>	<b>1.3098</b>	<b>0.0000</b>	<b>5,219.6565</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
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>42.42</b>	<b>0.00</b>	<b>35.14</b>	<b>47.98</b>	<b>0.00</b>	<b>34.32</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

VA Alameda - Bay Area AQMD Air District, Summer

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.1357	2.2000e-004	0.0248	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0532	0.0532	1.4000e-004		0.0566
Energy	0.0931	0.8463	0.7109	5.0800e-003		0.0643	0.0643		0.0643	0.0643		1,015.5649	1,015.5649	0.0195	0.0186	1,021.5999
Mobile	2.3334	9.0057	22.0886	0.0873	8.0787	0.0678	8.1464	2.1609	0.0632	2.2240		8,853.4048	8,853.4048	0.2898		8,860.6495
<b>Total</b>	<b>6.5622</b>	<b>9.8522</b>	<b>22.8242</b>	<b>0.0924</b>	<b>8.0787</b>	<b>0.1322</b>	<b>8.2108</b>	<b>2.1609</b>	<b>0.1276</b>	<b>2.2884</b>		<b>9,869.0228</b>	<b>9,869.0228</b>	<b>0.3094</b>	<b>0.0186</b>	<b>9,882.3060</b>

**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	4.1357	2.2000e-004	0.0248	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0532	0.0532	1.4000e-004		0.0566
Energy	0.0931	0.8463	0.7109	5.0800e-003		0.0643	0.0643		0.0643	0.0643		1,015.5649	1,015.5649	0.0195	0.0186	1,021.5999
Mobile	2.3334	9.0057	22.0886	0.0873	8.0787	0.0678	8.1464	2.1609	0.0632	2.2240		8,853.4048	8,853.4048	0.2898		8,860.6495
<b>Total</b>	<b>6.5622</b>	<b>9.8522</b>	<b>22.8242</b>	<b>0.0924</b>	<b>8.0787</b>	<b>0.1322</b>	<b>8.2108</b>	<b>2.1609</b>	<b>0.1276</b>	<b>2.2884</b>		<b>9,869.0228</b>	<b>9,869.0228</b>	<b>0.3094</b>	<b>0.0186</b>	<b>9,882.3060</b>

VA Alameda - Bay Area AQMD Air District, Summer

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

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/4/2021	3/26/2021	5	60	
2	Grading	Grading	3/27/2021	10/29/2021	5	155	
3	Building Construction	Building Construction	10/30/2021	1/10/2025	5	835	
4	Paving	Paving	1/13/2025	6/13/2025	5	110	
5	Architectural Coating	Architectural Coating	8/12/2024	1/10/2025	5	110	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 84

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 244,500; Non-Residential Outdoor: 81,500; Striped Parking Area: 0 (Architectural Coating – sqft)

#### OffRoad Equipment

VA Alameda - Bay Area AQMD Air District, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	1	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
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
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	104.00	54.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	20.00	0.00	0.00	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

VA Alameda - Bay Area AQMD Air District, Summer

**3.1 Mitigation Measures Construction**

Water Exposed Area

**3.2 Site Preparation - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
<b>Total</b>	<b>3.8882</b>	<b>40.4971</b>	<b>21.1543</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.0445</b>	<b>20.1107</b>	<b>9.9307</b>	<b>1.8809</b>	<b>11.8116</b>		<b>3,685.6569</b>	<b>3,685.6569</b>	<b>1.1920</b>		<b>3,715.4573</b>

VA Alameda - Bay Area AQMD Air District, Summer

**3.2 Site Preparation - 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	0.0579	0.0338	0.4421	1.4300e-003	0.1479	9.3000e-004	0.1488	0.0392	8.6000e-004	0.0401		142.5527	142.5527	3.1900e-003		142.6324
<b>Total</b>	<b>0.0579</b>	<b>0.0338</b>	<b>0.4421</b>	<b>1.4300e-003</b>	<b>0.1479</b>	<b>9.3000e-004</b>	<b>0.1488</b>	<b>0.0392</b>	<b>8.6000e-004</b>	<b>0.0401</b>		<b>142.5527</b>	<b>142.5527</b>	<b>3.1900e-003</b>		<b>142.6324</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					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
<b>Total</b>	<b>3.8882</b>	<b>40.4971</b>	<b>21.1543</b>	<b>0.0380</b>	<b>8.1298</b>	<b>2.0445</b>	<b>10.1743</b>	<b>4.4688</b>	<b>1.8809</b>	<b>6.3497</b>	<b>0.0000</b>	<b>3,685.6569</b>	<b>3,685.6569</b>	<b>1.1920</b>		<b>3,715.4573</b>

VA Alameda - Bay Area AQMD Air District, Summer

**3.2 Site Preparation - 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	0.0579	0.0338	0.4421	1.4300e-003	0.1479	9.3000e-004	0.1488	0.0392	8.6000e-004	0.0401		142.5527	142.5527	3.1900e-003		142.6324
<b>Total</b>	<b>0.0579</b>	<b>0.0338</b>	<b>0.4421</b>	<b>1.4300e-003</b>	<b>0.1479</b>	<b>9.3000e-004</b>	<b>0.1488</b>	<b>0.0392</b>	<b>8.6000e-004</b>	<b>0.0401</b>		<b>142.5527</b>	<b>142.5527</b>	<b>3.1900e-003</b>		<b>142.6324</b>

**3.3 Grading - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5968	0.0000	6.5968	3.3723	0.0000	3.3723			0.0000			0.0000
Off-Road	3.0325	33.5437	20.6019	0.0417		1.4645	1.4645		1.3474	1.3474		4,038.9400	4,038.9400	1.3063		4,071.5968
<b>Total</b>	<b>3.0325</b>	<b>33.5437</b>	<b>20.6019</b>	<b>0.0417</b>	<b>6.5968</b>	<b>1.4645</b>	<b>8.0613</b>	<b>3.3723</b>	<b>1.3474</b>	<b>4.7196</b>		<b>4,038.9400</b>	<b>4,038.9400</b>	<b>1.3063</b>		<b>4,071.5968</b>

VA Alameda - Bay Area AQMD Air District, Summer

**3.3 Grading - 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	0.0643	0.0376	0.4913	1.5900e-003	0.1643	1.0300e-003	0.1653	0.0436	9.5000e-004	0.0445		158.3919	158.3919	3.5400e-003		158.4804
<b>Total</b>	<b>0.0643</b>	<b>0.0376</b>	<b>0.4913</b>	<b>1.5900e-003</b>	<b>0.1643</b>	<b>1.0300e-003</b>	<b>0.1653</b>	<b>0.0436</b>	<b>9.5000e-004</b>	<b>0.0445</b>		<b>158.3919</b>	<b>158.3919</b>	<b>3.5400e-003</b>		<b>158.4804</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					2.9686	0.0000	2.9686	1.5175	0.0000	1.5175			0.0000			0.0000
Off-Road	3.0325	33.5437	20.6019	0.0417		1.4645	1.4645		1.3474	1.3474	0.0000	4,038.9399	4,038.9399	1.3063		4,071.5968
<b>Total</b>	<b>3.0325</b>	<b>33.5437</b>	<b>20.6019</b>	<b>0.0417</b>	<b>2.9686</b>	<b>1.4645</b>	<b>4.4331</b>	<b>1.5175</b>	<b>1.3474</b>	<b>2.8649</b>	<b>0.0000</b>	<b>4,038.9399</b>	<b>4,038.9399</b>	<b>1.3063</b>		<b>4,071.5968</b>



VA Alameda - Bay Area AQMD Air District, Summer

**3.3 Grading - 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	0.0643	0.0376	0.4913	1.5900e-003	0.1643	1.0300e-003	0.1653	0.0436	9.5000e-004	0.0445		158.3919	158.3919	3.5400e-003		158.4804
<b>Total</b>	<b>0.0643</b>	<b>0.0376</b>	<b>0.4913</b>	<b>1.5900e-003</b>	<b>0.1643</b>	<b>1.0300e-003</b>	<b>0.1653</b>	<b>0.0436</b>	<b>9.5000e-004</b>	<b>0.0445</b>		<b>158.3919</b>	<b>158.3919</b>	<b>3.5400e-003</b>		<b>158.4804</b>

**3.4 Building Construction - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	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>

VA Alameda - Bay Area AQMD Air District, Summer

**3.4 Building Construction - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1675	5.5804	1.3159	0.0147	0.3655	0.0121	0.3776	0.1052	0.0116	0.1168		1,560.3761	1,560.3761	0.0732		1,562.2070
Worker	0.3344	0.1954	2.5546	8.2600e-003	0.8543	5.3800e-003	0.8597	0.2266	4.9500e-003	0.2316		823.6379	823.6379	0.0184		824.0982
<b>Total</b>	<b>0.5019</b>	<b>5.7759</b>	<b>3.8705</b>	<b>0.0230</b>	<b>1.2199</b>	<b>0.0175</b>	<b>1.2373</b>	<b>0.3318</b>	<b>0.0165</b>	<b>0.3484</b>		<b>2,384.0140</b>	<b>2,384.0140</b>	<b>0.0916</b>		<b>2,386.3052</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>

VA Alameda - Bay Area AQMD Air District, Summer

**3.4 Building Construction - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1675	5.5804	1.3159	0.0147	0.3655	0.0121	0.3776	0.1052	0.0116	0.1168		1,560.3761	1,560.3761	0.0732		1,562.2070
Worker	0.3344	0.1954	2.5546	8.2600e-003	0.8543	5.3800e-003	0.8597	0.2266	4.9500e-003	0.2316		823.6379	823.6379	0.0184		824.0982
<b>Total</b>	<b>0.5019</b>	<b>5.7759</b>	<b>3.8705</b>	<b>0.0230</b>	<b>1.2199</b>	<b>0.0175</b>	<b>1.2373</b>	<b>0.3318</b>	<b>0.0165</b>	<b>0.3484</b>		<b>2,384.0140</b>	<b>2,384.0140</b>	<b>0.0916</b>		<b>2,386.3052</b>

**3.4 Building Construction - 2022**

**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	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>		<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>		<b>2,569.6322</b>

VA Alameda - Bay Area AQMD Air District, Summer

**3.4 Building Construction - 2022**

**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	0.1562	5.2888	1.2376	0.0146	0.3655	0.0105	0.3760	0.1052	0.0100	0.1153		1,545.1803	1,545.1803	0.0700		1,546.9309
Worker	0.3113	0.1753	2.3539	7.9600e-003	0.8543	5.2500e-003	0.8596	0.2266	4.8400e-003	0.2314		793.4112	793.4112	0.0165		793.8245
<b>Total</b>	<b>0.4674</b>	<b>5.4641</b>	<b>3.5915</b>	<b>0.0225</b>	<b>1.2199</b>	<b>0.0157</b>	<b>1.2356</b>	<b>0.3318</b>	<b>0.0149</b>	<b>0.3467</b>		<b>2,338.5915</b>	<b>2,338.5915</b>	<b>0.0866</b>		<b>2,340.7554</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	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>	<b>0.0000</b>	<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>		<b>2,569.6322</b>

VA Alameda - Bay Area AQMD Air District, Summer

**3.4 Building Construction - 2022**

**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	0.1562	5.2888	1.2376	0.0146	0.3655	0.0105	0.3760	0.1052	0.0100	0.1153		1,545.1803	1,545.1803	0.0700		1,546.9309
Worker	0.3113	0.1753	2.3539	7.9600e-003	0.8543	5.2500e-003	0.8596	0.2266	4.8400e-003	0.2314		793.4112	793.4112	0.0165		793.8245
<b>Total</b>	<b>0.4674</b>	<b>5.4641</b>	<b>3.5915</b>	<b>0.0225</b>	<b>1.2199</b>	<b>0.0157</b>	<b>1.2356</b>	<b>0.3318</b>	<b>0.0149</b>	<b>0.3467</b>		<b>2,338.5915</b>	<b>2,338.5915</b>	<b>0.0866</b>		<b>2,340.7554</b>

**3.4 Building Construction - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>		<b>2,555.2099</b>	<b>2,555.2099</b>	<b>0.6079</b>		<b>2,570.4061</b>

VA Alameda - Bay Area AQMD Air District, Summer

**3.4 Building Construction - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1171	4.0871	1.1141	0.0142	0.3656	4.6500e-003	0.3702	0.1052	4.4500e-003	0.1097		1,501.7125	1,501.7125	0.0599		1,503.2087
Worker	0.2906	0.1577	2.1710	7.6500e-003	0.8543	5.1400e-003	0.8595	0.2266	4.7400e-003	0.2313		762.9947	762.9947	0.0149		763.3659
<b>Total</b>	<b>0.4076</b>	<b>4.2448</b>	<b>3.2851</b>	<b>0.0218</b>	<b>1.2199</b>	<b>9.7900e-003</b>	<b>1.2297</b>	<b>0.3318</b>	<b>9.1900e-003</b>	<b>0.3410</b>		<b>2,264.7073</b>	<b>2,264.7073</b>	<b>0.0747</b>		<b>2,266.5746</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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>	<b>0.0000</b>	<b>2,555.2099</b>	<b>2,555.2099</b>	<b>0.6079</b>		<b>2,570.4061</b>

VA Alameda - Bay Area AQMD Air District, Summer

**3.4 Building Construction - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1171	4.0871	1.1141	0.0142	0.3656	4.6500e-003	0.3702	0.1052	4.4500e-003	0.1097		1,501.7125	1,501.7125	0.0599		1,503.2087
Worker	0.2906	0.1577	2.1710	7.6500e-003	0.8543	5.1400e-003	0.8595	0.2266	4.7400e-003	0.2313		762.9947	762.9947	0.0149		763.3659
<b>Total</b>	<b>0.4076</b>	<b>4.2448</b>	<b>3.2851</b>	<b>0.0218</b>	<b>1.2199</b>	<b>9.7900e-003</b>	<b>1.2297</b>	<b>0.3318</b>	<b>9.1900e-003</b>	<b>0.3410</b>		<b>2,264.7073</b>	<b>2,264.7073</b>	<b>0.0747</b>		<b>2,266.5746</b>

**3.4 Building Construction - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
<b>Total</b>	<b>1.4716</b>	<b>13.4438</b>	<b>16.1668</b>	<b>0.0270</b>		<b>0.6133</b>	<b>0.6133</b>		<b>0.5769</b>	<b>0.5769</b>		<b>2,555.6989</b>	<b>2,555.6989</b>	<b>0.6044</b>		<b>2,570.8077</b>

VA Alameda - Bay Area AQMD Air District, Summer

**3.4 Building Construction - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1133	4.0419	1.0734	0.0141	0.3656	4.5700e-003	0.3701	0.1052	4.3700e-003	0.1096		1,491.4545	1,491.4545	0.0587		1,492.9214
Worker	0.2726	0.1424	2.0151	7.3500e-003	0.8543	5.0400e-003	0.8594	0.2266	4.6400e-003	0.2313		732.7673	732.7673	0.0134		733.1020
<b>Total</b>	<b>0.3858</b>	<b>4.1843</b>	<b>3.0885</b>	<b>0.0214</b>	<b>1.2199</b>	<b>9.6100e-003</b>	<b>1.2295</b>	<b>0.3319</b>	<b>9.0100e-003</b>	<b>0.3409</b>		<b>2,224.2218</b>	<b>2,224.2218</b>	<b>0.0721</b>		<b>2,226.0234</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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
<b>Total</b>	<b>1.4716</b>	<b>13.4438</b>	<b>16.1668</b>	<b>0.0270</b>		<b>0.6133</b>	<b>0.6133</b>		<b>0.5769</b>	<b>0.5769</b>	<b>0.0000</b>	<b>2,555.6989</b>	<b>2,555.6989</b>	<b>0.6044</b>		<b>2,570.8077</b>



VA Alameda - Bay Area AQMD Air District, Summer

**3.4 Building Construction - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1133	4.0419	1.0734	0.0141	0.3656	4.5700e-003	0.3701	0.1052	4.3700e-003	0.1096		1,491.4545	1,491.4545	0.0587		1,492.9214
Worker	0.2726	0.1424	2.0151	7.3500e-003	0.8543	5.0400e-003	0.8594	0.2266	4.6400e-003	0.2313		732.7673	732.7673	0.0134		733.1020
<b>Total</b>	<b>0.3858</b>	<b>4.1843</b>	<b>3.0885</b>	<b>0.0214</b>	<b>1.2199</b>	<b>9.6100e-003</b>	<b>1.2295</b>	<b>0.3319</b>	<b>9.0100e-003</b>	<b>0.3409</b>		<b>2,224.2218</b>	<b>2,224.2218</b>	<b>0.0721</b>		<b>2,226.0234</b>

**3.4 Building Construction - 2025**

**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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>		<b>2,556.4744</b>	<b>2,556.4744</b>	<b>0.6010</b>		<b>2,571.4981</b>

VA Alameda - Bay Area AQMD Air District, Summer

**3.4 Building Construction - 2025**

**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	0.1100	3.9946	1.0424	0.0140	0.3656	4.4900e-003	0.3701	0.1052	4.2900e-003	0.1095		1,481.6021	1,481.6021	0.0576		1,483.0413
Worker	0.2572	0.1295	1.8693	7.0500e-003	0.8543	4.9700e-003	0.8593	0.2266	4.5800e-003	0.2312		702.9108	702.9108	0.0121		703.2143
<b>Total</b>	<b>0.3673</b>	<b>4.1241</b>	<b>2.9117</b>	<b>0.0210</b>	<b>1.2199</b>	<b>9.4600e-003</b>	<b>1.2294</b>	<b>0.3319</b>	<b>8.8700e-003</b>	<b>0.3407</b>		<b>2,184.5129</b>	<b>2,184.5129</b>	<b>0.0697</b>		<b>2,186.2556</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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>	<b>0.0000</b>	<b>2,556.4744</b>	<b>2,556.4744</b>	<b>0.6010</b>		<b>2,571.4981</b>

VA Alameda - Bay Area AQMD Air District, Summer

**3.4 Building Construction - 2025**

**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	0.1100	3.9946	1.0424	0.0140	0.3656	4.4900e-003	0.3701	0.1052	4.2900e-003	0.1095		1,481.6021	1,481.6021	0.0576		1,483.0413
Worker	0.2572	0.1295	1.8693	7.0500e-003	0.8543	4.9700e-003	0.8593	0.2266	4.5800e-003	0.2312		702.9108	702.9108	0.0121		703.2143
<b>Total</b>	<b>0.3673</b>	<b>4.1241</b>	<b>2.9117</b>	<b>0.0210</b>	<b>1.2199</b>	<b>9.4600e-003</b>	<b>1.2294</b>	<b>0.3319</b>	<b>8.8700e-003</b>	<b>0.3407</b>		<b>2,184.5129</b>	<b>2,184.5129</b>	<b>0.0697</b>		<b>2,186.2556</b>

**3.5 Paving - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9152</b>	<b>8.5816</b>	<b>14.5780</b>	<b>0.0228</b>		<b>0.4185</b>	<b>0.4185</b>		<b>0.3850</b>	<b>0.3850</b>		<b>2,206.7452</b>	<b>2,206.7452</b>	<b>0.7137</b>		<b>2,224.5878</b>

VA Alameda - Bay Area AQMD Air District, Summer

**3.5 Paving - 2025**

**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	0.0371	0.0187	0.2696	1.0200e-003	0.1232	7.2000e-004	0.1239	0.0327	6.6000e-004	0.0333		101.3814	101.3814	1.7500e-003		101.4251
<b>Total</b>	<b>0.0371</b>	<b>0.0187</b>	<b>0.2696</b>	<b>1.0200e-003</b>	<b>0.1232</b>	<b>7.2000e-004</b>	<b>0.1239</b>	<b>0.0327</b>	<b>6.6000e-004</b>	<b>0.0333</b>		<b>101.3814</b>	<b>101.3814</b>	<b>1.7500e-003</b>		<b>101.4251</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	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9152</b>	<b>8.5816</b>	<b>14.5780</b>	<b>0.0228</b>		<b>0.4185</b>	<b>0.4185</b>		<b>0.3850</b>	<b>0.3850</b>	<b>0.0000</b>	<b>2,206.7452</b>	<b>2,206.7452</b>	<b>0.7137</b>		<b>2,224.5878</b>

VA Alameda - Bay Area AQMD Air District, Summer

**3.5 Paving - 2025**

**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	0.0371	0.0187	0.2696	1.0200e-003	0.1232	7.2000e-004	0.1239	0.0327	6.6000e-004	0.0333		101.3814	101.3814	1.7500e-003		101.4251
<b>Total</b>	<b>0.0371</b>	<b>0.0187</b>	<b>0.2696</b>	<b>1.0200e-003</b>	<b>0.1232</b>	<b>7.2000e-004</b>	<b>0.1239</b>	<b>0.0327</b>	<b>6.6000e-004</b>	<b>0.0333</b>		<b>101.3814</b>	<b>101.3814</b>	<b>1.7500e-003</b>		<b>101.4251</b>

**3.6 Architectural Coating - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.4535					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>15.6343</b>	<b>1.2188</b>	<b>1.8101</b>	<b>2.9700e-003</b>		<b>0.0609</b>	<b>0.0609</b>		<b>0.0609</b>	<b>0.0609</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</b>

VA Alameda - Bay Area AQMD Air District, Summer

**3.6 Architectural Coating - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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	0.0524	0.0274	0.3875	1.4100e-003	0.1643	9.7000e-004	0.1653	0.0436	8.9000e-004	0.0445		140.9168	140.9168	2.5700e-003		140.9812
<b>Total</b>	<b>0.0524</b>	<b>0.0274</b>	<b>0.3875</b>	<b>1.4100e-003</b>	<b>0.1643</b>	<b>9.7000e-004</b>	<b>0.1653</b>	<b>0.0436</b>	<b>8.9000e-004</b>	<b>0.0445</b>		<b>140.9168</b>	<b>140.9168</b>	<b>2.5700e-003</b>		<b>140.9812</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	15.4535					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>15.6343</b>	<b>1.2188</b>	<b>1.8101</b>	<b>2.9700e-003</b>		<b>0.0609</b>	<b>0.0609</b>		<b>0.0609</b>	<b>0.0609</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</b>

VA Alameda - Bay Area AQMD Air District, Summer

**3.6 Architectural Coating - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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	0.0524	0.0274	0.3875	1.4100e-003	0.1643	9.7000e-004	0.1653	0.0436	8.9000e-004	0.0445		140.9168	140.9168	2.5700e-003		140.9812
<b>Total</b>	<b>0.0524</b>	<b>0.0274</b>	<b>0.3875</b>	<b>1.4100e-003</b>	<b>0.1643</b>	<b>9.7000e-004</b>	<b>0.1653</b>	<b>0.0436</b>	<b>8.9000e-004</b>	<b>0.0445</b>		<b>140.9168</b>	<b>140.9168</b>	<b>2.5700e-003</b>		<b>140.9812</b>

**3.6 Architectural Coating - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.4535					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>15.6244</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

VA Alameda - Bay Area AQMD Air District, Summer

**3.6 Architectural Coating - 2025**

**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	0.0495	0.0249	0.3595	1.3500e-003	0.1643	9.6000e-004	0.1653	0.0436	8.8000e-004	0.0445		135.1752	135.1752	2.3300e-003		135.2335
<b>Total</b>	<b>0.0495</b>	<b>0.0249</b>	<b>0.3595</b>	<b>1.3500e-003</b>	<b>0.1643</b>	<b>9.6000e-004</b>	<b>0.1653</b>	<b>0.0436</b>	<b>8.8000e-004</b>	<b>0.0445</b>		<b>135.1752</b>	<b>135.1752</b>	<b>2.3300e-003</b>		<b>135.2335</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	15.4535					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>15.6244</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>



VA Alameda - Bay Area AQMD Air District, Summer

**3.6 Architectural Coating - 2025**

**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	0.0495	0.0249	0.3595	1.3500e-003	0.1643	9.6000e-004	0.1653	0.0436	8.8000e-004	0.0445		135.1752	135.1752	2.3300e-003		135.2335
<b>Total</b>	<b>0.0495</b>	<b>0.0249</b>	<b>0.3595</b>	<b>1.3500e-003</b>	<b>0.1643</b>	<b>9.6000e-004</b>	<b>0.1653</b>	<b>0.0436</b>	<b>8.8000e-004</b>	<b>0.0445</b>		<b>135.1752</b>	<b>135.1752</b>	<b>2.3300e-003</b>		<b>135.2335</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

VA Alameda - Bay Area AQMD Air District, 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	2.3334	9.0057	22.0886	0.0873	8.0787	0.0678	8.1464	2.1609	0.0632	2.2240		8,853.4048	8,853.4048	0.2898		8,860.6495
Unmitigated	2.3334	9.0057	22.0886	0.0873	8.0787	0.0678	8.1464	2.1609	0.0632	2.2240		8,853.4048	8,853.4048	0.2898		8,860.6495

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	337.60	337.60	337.60	720,726	720,726
General Office Building	53.00	53.00	53.00	126,657	126,657
Medical Office Building	1,510.48	1,510.48	1,510.48	2,956,387	2,956,387
Total	1,901.08	1,901.08	1,901.08	3,803,770	3,803,770

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
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Medical Office Building	9.50	7.30	7.30	29.60	51.40	19.00	60	30	10

4.4 Fleet Mix

VA Alameda - Bay Area AQMD Air District, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.581705	0.037849	0.193793	0.109044	0.014574	0.005304	0.018664	0.026966	0.002656	0.002072	0.005755	0.000900	0.000719
General Office Building	0.581705	0.037849	0.193793	0.109044	0.014574	0.005304	0.018664	0.026966	0.002656	0.002072	0.005755	0.000900	0.000719
Medical Office Building	0.581705	0.037849	0.193793	0.109044	0.014574	0.005304	0.018664	0.026966	0.002656	0.002072	0.005755	0.000900	0.000719

**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	0.0931	0.8463	0.7109	5.0800e-003		0.0643	0.0643		0.0643	0.0643		1,015.5649	1,015.5649	0.0195	0.0186	1,021.5999
NaturalGas Unmitigated	0.0931	0.8463	0.7109	5.0800e-003		0.0643	0.0643		0.0643	0.0643		1,015.5649	1,015.5649	0.0195	0.0186	1,021.5999

VA Alameda - Bay Area AQMD Air District, Summer

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	264.795	2.8600e-003	0.0260	0.0218	1.6000e-004		1.9700e-003	1.9700e-003		1.9700e-003	1.9700e-003		31.1523	31.1523	6.0000e-004	5.7000e-004	31.3374
Medical Office Building	8367.51	0.0902	0.8203	0.6891	4.9200e-003		0.0624	0.0624		0.0624	0.0624		984.4126	984.4126	0.0189	0.0181	990.2624
<b>Total</b>		<b>0.0931</b>	<b>0.8463</b>	<b>0.7109</b>	<b>5.0800e-003</b>		<b>0.0643</b>	<b>0.0643</b>		<b>0.0643</b>	<b>0.0643</b>		<b>1,015.5649</b>	<b>1,015.5649</b>	<b>0.0195</b>	<b>0.0186</b>	<b>1,021.5999</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0.264795	2.8600e-003	0.0260	0.0218	1.6000e-004		1.9700e-003	1.9700e-003		1.9700e-003	1.9700e-003		31.1523	31.1523	6.0000e-004	5.7000e-004	31.3374
Medical Office Building	8.36751	0.0902	0.8203	0.6891	4.9200e-003		0.0624	0.0624		0.0624	0.0624		984.4126	984.4126	0.0189	0.0181	990.2624
<b>Total</b>		<b>0.0931</b>	<b>0.8463</b>	<b>0.7109</b>	<b>5.0800e-003</b>		<b>0.0643</b>	<b>0.0643</b>		<b>0.0643</b>	<b>0.0643</b>		<b>1,015.5649</b>	<b>1,015.5649</b>	<b>0.0195</b>	<b>0.0186</b>	<b>1,021.5999</b>

**6.0 Area Detail**

VA Alameda - Bay Area AQMD Air District, Summer

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.1357	2.2000e-004	0.0248	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0532	0.0532	1.4000e-004		0.0566
Unmitigated	4.1357	2.2000e-004	0.0248	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0532	0.0532	1.4000e-004		0.0566

**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	0.4657					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.6677					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2800e-003	2.2000e-004	0.0248	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0532	0.0532	1.4000e-004		0.0566
<b>Total</b>	<b>4.1357</b>	<b>2.2000e-004</b>	<b>0.0248</b>	<b>0.0000</b>		<b>9.0000e-005</b>	<b>9.0000e-005</b>		<b>9.0000e-005</b>	<b>9.0000e-005</b>		<b>0.0532</b>	<b>0.0532</b>	<b>1.4000e-004</b>		<b>0.0566</b>

VA Alameda - Bay Area AQMD Air District, 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	0.4657					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.6677					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2800e-003	2.2000e-004	0.0248	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0532	0.0532	1.4000e-004		0.0566
<b>Total</b>	<b>4.1357</b>	<b>2.2000e-004</b>	<b>0.0248</b>	<b>0.0000</b>		<b>9.0000e-005</b>	<b>9.0000e-005</b>		<b>9.0000e-005</b>	<b>9.0000e-005</b>		<b>0.0532</b>	<b>0.0532</b>	<b>1.4000e-004</b>		<b>0.0566</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
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**10.0 Stationary Equipment**

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**Fire Pumps and Emergency Generators**

VA Alameda - Bay Area AQMD Air District, Summer

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

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

Equipment Type	Number
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**11.0 Vegetation**

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VA Alameda - Bay Area AQMD Air District, Winter

**VA Alameda**  
**Bay Area AQMD Air District, Winter**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	5.00	1000sqft	0.11	5,000.00	0
Medical Office Building	158.00	1000sqft	3.63	158,000.00	0
City Park	80.00	Acre	80.00	3,484,800.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	64
<b>Climate Zone</b>	5			<b>Operational Year</b>	2025
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	641.35	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

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



VA Alameda - Bay Area AQMD Air District, Winter

Project Characteristics -

Land Use - The City Park land use is representative of the cemetery

Construction Phase - Reduced building construction to coincide with the project's operational year. Architectural coating was changed to overlap with building construction.

Off-road Equipment - minimal grading required

Trips and VMT - few trips required for cemetery

Grading - Total site area changed

Vehicle Trips - Trip rates adjusted to match traffic report

Construction Off-road Equipment Mitigation -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

VA Alameda - Bay Area AQMD Air District, Winter

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	1,550.00	835.00
tblConstructionPhase	PhaseEndDate	10/8/2027	1/10/2025
tblConstructionPhase	PhaseEndDate	8/11/2028	1/10/2025
tblConstructionPhase	PhaseEndDate	3/10/2028	6/13/2025
tblConstructionPhase	PhaseStartDate	3/11/2028	8/12/2024
tblConstructionPhase	PhaseStartDate	10/9/2027	1/13/2025
tblGrading	AcresOfGrading	232.50	84.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblTripsAndVMT	VendorTripNumber	598.00	54.00
tblTripsAndVMT	WorkerTripNumber	15.00	20.00
tblTripsAndVMT	WorkerTripNumber	1,516.00	104.00
tblTripsAndVMT	WorkerTripNumber	303.00	20.00
tblVehicleTrips	ST_TR	22.75	4.22
tblVehicleTrips	ST_TR	2.46	10.60
tblVehicleTrips	ST_TR	8.96	9.56
tblVehicleTrips	SU_TR	16.74	4.22
tblVehicleTrips	SU_TR	1.05	10.60
tblVehicleTrips	SU_TR	1.55	9.56
tblVehicleTrips	WD_TR	1.89	4.22
tblVehicleTrips	WD_TR	11.03	10.60
tblVehicleTrips	WD_TR	36.13	9.56

**2.0 Emissions Summary**

VA Alameda - Bay Area AQMD Air District, Winter

**2.1 Overall Construction (Maximum Daily Emission)**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	3.9495	40.5389	21.5679	0.0489	18.2141	2.0454	20.2595	9.9699	1.8818	11.8517	0.0000	4,832.8686	4,832.8686	1.3096	0.0000	4,850.6789
2022	2.2023	21.1608	19.9785	0.0485	1.2199	0.8251	2.0450	0.3318	0.7764	1.1082	0.0000	4,790.9674	4,790.9674	0.7030	0.0000	4,808.5424
2023	2.0068	18.6865	19.5209	0.0478	1.2199	0.7097	1.9296	0.3318	0.6678	0.9996	0.0000	4,721.8798	4,721.8798	0.6859	0.0000	4,739.0262
2024	17.5739	18.9333	21.4141	0.0517	1.3842	0.6850	2.0692	0.3754	0.6479	1.0233	0.0000	5,096.1152	5,096.1152	0.6979	0.0000	5,113.5617
2025	17.4379	17.8188	21.1292	0.0513	1.3842	0.5897	1.9739	0.3754	0.5577	0.9331	0.0000	5,054.7721	5,054.7721	0.7153	0.0000	5,072.0543
<b>Maximum</b>	<b>17.5739</b>	<b>40.5389</b>	<b>21.5679</b>	<b>0.0517</b>	<b>18.2141</b>	<b>2.0454</b>	<b>20.2595</b>	<b>9.9699</b>	<b>1.8818</b>	<b>11.8517</b>	<b>0.0000</b>	<b>5,096.1152</b>	<b>5,096.1152</b>	<b>1.3096</b>	<b>0.0000</b>	<b>5,113.5617</b>

VA Alameda - Bay Area AQMD Air District, Winter

**2.1 Overall Construction (Maximum Daily Emission)**

**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					
2021	3.9495	40.5389	21.5679	0.0489	8.2777	2.0454	10.3231	4.5080	1.8818	6.3898	0.0000	4,832.8686	4,832.8686	1.3096	0.0000	4,850.6789
2022	2.2023	21.1608	19.9785	0.0485	1.2199	0.8251	2.0450	0.3318	0.7764	1.1082	0.0000	4,790.9674	4,790.9674	0.7030	0.0000	4,808.5424
2023	2.0068	18.6865	19.5209	0.0478	1.2199	0.7097	1.9296	0.3318	0.6678	0.9996	0.0000	4,721.8798	4,721.8798	0.6859	0.0000	4,739.0261
2024	17.5739	18.9333	21.4141	0.0517	1.3842	0.6850	2.0692	0.3754	0.6479	1.0233	0.0000	5,096.1152	5,096.1152	0.6979	0.0000	5,113.5617
2025	17.4379	17.8188	21.1292	0.0513	1.3842	0.5897	1.9739	0.3754	0.5577	0.9331	0.0000	5,054.7721	5,054.7721	0.7153	0.0000	5,072.0543
<b>Maximum</b>	<b>17.5739</b>	<b>40.5389</b>	<b>21.5679</b>	<b>0.0517</b>	<b>8.2777</b>	<b>2.0454</b>	<b>10.3231</b>	<b>4.5080</b>	<b>1.8818</b>	<b>6.3898</b>	<b>0.0000</b>	<b>5,096.1152</b>	<b>5,096.1152</b>	<b>1.3096</b>	<b>0.0000</b>	<b>5,113.5617</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
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>42.42</b>	<b>0.00</b>	<b>35.14</b>	<b>47.98</b>	<b>0.00</b>	<b>34.32</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

VA Alameda - Bay Area AQMD Air District, Winter

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.1357	2.2000e-004	0.0248	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0532	0.0532	1.4000e-004		0.0566
Energy	0.0931	0.8463	0.7109	5.0800e-003		0.0643	0.0643		0.0643	0.0643		1,015.5649	1,015.5649	0.0195	0.0186	1,021.5999
Mobile	1.9861	9.3745	22.4223	0.0818	8.0787	0.0681	8.1467	2.1609	0.0635	2.2243		8,296.5830	8,296.5830	0.2976		8,304.0236
<b>Total</b>	<b>6.2150</b>	<b>10.2210</b>	<b>23.1580</b>	<b>0.0869</b>	<b>8.0787</b>	<b>0.1325</b>	<b>8.2112</b>	<b>2.1609</b>	<b>0.1279</b>	<b>2.2888</b>		<b>9,312.2011</b>	<b>9,312.2011</b>	<b>0.3172</b>	<b>0.0186</b>	<b>9,325.6801</b>

**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	4.1357	2.2000e-004	0.0248	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0532	0.0532	1.4000e-004		0.0566
Energy	0.0931	0.8463	0.7109	5.0800e-003		0.0643	0.0643		0.0643	0.0643		1,015.5649	1,015.5649	0.0195	0.0186	1,021.5999
Mobile	1.9861	9.3745	22.4223	0.0818	8.0787	0.0681	8.1467	2.1609	0.0635	2.2243		8,296.5830	8,296.5830	0.2976		8,304.0236
<b>Total</b>	<b>6.2150</b>	<b>10.2210</b>	<b>23.1580</b>	<b>0.0869</b>	<b>8.0787</b>	<b>0.1325</b>	<b>8.2112</b>	<b>2.1609</b>	<b>0.1279</b>	<b>2.2888</b>		<b>9,312.2011</b>	<b>9,312.2011</b>	<b>0.3172</b>	<b>0.0186</b>	<b>9,325.6801</b>

VA Alameda - Bay Area AQMD Air District, Winter

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

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/4/2021	3/26/2021	5	60	
2	Grading	Grading	3/27/2021	10/29/2021	5	155	
3	Building Construction	Building Construction	10/30/2021	1/10/2025	5	835	
4	Paving	Paving	1/13/2025	6/13/2025	5	110	
5	Architectural Coating	Architectural Coating	8/12/2024	1/10/2025	5	110	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 84

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 244,500; Non-Residential Outdoor: 81,500; Striped Parking Area: 0 (Architectural Coating – sqft)

#### OffRoad Equipment

VA Alameda - Bay Area AQMD Air District, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	1	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
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
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	104.00	54.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	20.00	0.00	0.00	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

VA Alameda - Bay Area AQMD Air District, Winter

**3.1 Mitigation Measures Construction**

Water Exposed Area

**3.2 Site Preparation - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
<b>Total</b>	<b>3.8882</b>	<b>40.4971</b>	<b>21.1543</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.0445</b>	<b>20.1107</b>	<b>9.9307</b>	<b>1.8809</b>	<b>11.8116</b>		<b>3,685.6569</b>	<b>3,685.6569</b>	<b>1.1920</b>		<b>3,715.4573</b>



VA Alameda - Bay Area AQMD Air District, Winter

**3.2 Site Preparation - 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	0.0613	0.0418	0.4137	1.3200e-003	0.1479	9.3000e-004	0.1488	0.0392	8.6000e-004	0.0401		131.3166	131.3166	2.9700e-003		131.3909
<b>Total</b>	<b>0.0613</b>	<b>0.0418</b>	<b>0.4137</b>	<b>1.3200e-003</b>	<b>0.1479</b>	<b>9.3000e-004</b>	<b>0.1488</b>	<b>0.0392</b>	<b>8.6000e-004</b>	<b>0.0401</b>		<b>131.3166</b>	<b>131.3166</b>	<b>2.9700e-003</b>		<b>131.3909</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					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
<b>Total</b>	<b>3.8882</b>	<b>40.4971</b>	<b>21.1543</b>	<b>0.0380</b>	<b>8.1298</b>	<b>2.0445</b>	<b>10.1743</b>	<b>4.4688</b>	<b>1.8809</b>	<b>6.3497</b>	<b>0.0000</b>	<b>3,685.6569</b>	<b>3,685.6569</b>	<b>1.1920</b>		<b>3,715.4573</b>

VA Alameda - Bay Area AQMD Air District, Winter

**3.2 Site Preparation - 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	0.0613	0.0418	0.4137	1.3200e-003	0.1479	9.3000e-004	0.1488	0.0392	8.6000e-004	0.0401		131.3166	131.3166	2.9700e-003		131.3909
<b>Total</b>	<b>0.0613</b>	<b>0.0418</b>	<b>0.4137</b>	<b>1.3200e-003</b>	<b>0.1479</b>	<b>9.3000e-004</b>	<b>0.1488</b>	<b>0.0392</b>	<b>8.6000e-004</b>	<b>0.0401</b>		<b>131.3166</b>	<b>131.3166</b>	<b>2.9700e-003</b>		<b>131.3909</b>

**3.3 Grading - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5968	0.0000	6.5968	3.3723	0.0000	3.3723			0.0000			0.0000
Off-Road	3.0325	33.5437	20.6019	0.0417		1.4645	1.4645		1.3474	1.3474		4,038.9400	4,038.9400	1.3063		4,071.5968
<b>Total</b>	<b>3.0325</b>	<b>33.5437</b>	<b>20.6019</b>	<b>0.0417</b>	<b>6.5968</b>	<b>1.4645</b>	<b>8.0613</b>	<b>3.3723</b>	<b>1.3474</b>	<b>4.7196</b>		<b>4,038.9400</b>	<b>4,038.9400</b>	<b>1.3063</b>		<b>4,071.5968</b>

VA Alameda - Bay Area AQMD Air District, Winter

**3.3 Grading - 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	0.0681	0.0464	0.4596	1.4600e-003	0.1643	1.0300e-003	0.1653	0.0436	9.5000e-004	0.0445		145.9073	145.9073	3.3000e-003		145.9899
<b>Total</b>	<b>0.0681</b>	<b>0.0464</b>	<b>0.4596</b>	<b>1.4600e-003</b>	<b>0.1643</b>	<b>1.0300e-003</b>	<b>0.1653</b>	<b>0.0436</b>	<b>9.5000e-004</b>	<b>0.0445</b>		<b>145.9073</b>	<b>145.9073</b>	<b>3.3000e-003</b>		<b>145.9899</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					2.9686	0.0000	2.9686	1.5175	0.0000	1.5175			0.0000			0.0000
Off-Road	3.0325	33.5437	20.6019	0.0417		1.4645	1.4645		1.3474	1.3474	0.0000	4,038.9399	4,038.9399	1.3063		4,071.5968
<b>Total</b>	<b>3.0325</b>	<b>33.5437</b>	<b>20.6019</b>	<b>0.0417</b>	<b>2.9686</b>	<b>1.4645</b>	<b>4.4331</b>	<b>1.5175</b>	<b>1.3474</b>	<b>2.8649</b>	<b>0.0000</b>	<b>4,038.9399</b>	<b>4,038.9399</b>	<b>1.3063</b>		<b>4,071.5968</b>

VA Alameda - Bay Area AQMD Air District, Winter

**3.3 Grading - 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	0.0681	0.0464	0.4596	1.4600e-003	0.1643	1.0300e-003	0.1653	0.0436	9.5000e-004	0.0445		145.9073	145.9073	3.3000e-003		145.9899
<b>Total</b>	<b>0.0681</b>	<b>0.0464</b>	<b>0.4596</b>	<b>1.4600e-003</b>	<b>0.1643</b>	<b>1.0300e-003</b>	<b>0.1653</b>	<b>0.0436</b>	<b>9.5000e-004</b>	<b>0.0445</b>		<b>145.9073</b>	<b>145.9073</b>	<b>3.3000e-003</b>		<b>145.9899</b>

**3.4 Building Construction - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	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>

VA Alameda - Bay Area AQMD Air District, Winter

**3.4 Building Construction - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1774	5.6284	1.5125	0.0144	0.3655	0.0125	0.3780	0.1052	0.0120	0.1172		1,520.7866	1,520.7866	0.0792		1,522.7674
Worker	0.3543	0.2414	2.3900	7.6100e-003	0.8543	5.3800e-003	0.8597	0.2266	4.9500e-003	0.2316		758.7181	758.7181	0.0172		759.1473
<b>Total</b>	<b>0.5316</b>	<b>5.8698</b>	<b>3.9026</b>	<b>0.0220</b>	<b>1.2199</b>	<b>0.0179</b>	<b>1.2378</b>	<b>0.3318</b>	<b>0.0169</b>	<b>0.3488</b>		<b>2,279.5047</b>	<b>2,279.5047</b>	<b>0.0964</b>		<b>2,281.9147</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>

VA Alameda - Bay Area AQMD Air District, Winter

**3.4 Building Construction - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1774	5.6284	1.5125	0.0144	0.3655	0.0125	0.3780	0.1052	0.0120	0.1172		1,520.7866	1,520.7866	0.0792		1,522.7674
Worker	0.3543	0.2414	2.3900	7.6100e-003	0.8543	5.3800e-003	0.8597	0.2266	4.9500e-003	0.2316		758.7181	758.7181	0.0172		759.1473
<b>Total</b>	<b>0.5316</b>	<b>5.8698</b>	<b>3.9026</b>	<b>0.0220</b>	<b>1.2199</b>	<b>0.0179</b>	<b>1.2378</b>	<b>0.3318</b>	<b>0.0169</b>	<b>0.3488</b>		<b>2,279.5047</b>	<b>2,279.5047</b>	<b>0.0964</b>		<b>2,281.9147</b>

**3.4 Building Construction - 2022**

**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	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>		<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>		<b>2,569.6322</b>

VA Alameda - Bay Area AQMD Air District, Winter

**3.4 Building Construction - 2022**

**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	0.1654	5.3287	1.4218	0.0142	0.3655	0.0109	0.3764	0.1052	0.0104	0.1156		1,505.730 1	1,505.730 1	0.0757		1,507.622 2
Worker	0.3306	0.2164	2.1932	7.3300e-003	0.8543	5.2500e-003	0.8596	0.2266	4.8400e-003	0.2314		730.9037	730.9037	0.0154		731.2880
<b>Total</b>	<b>0.4961</b>	<b>5.5451</b>	<b>3.6151</b>	<b>0.0215</b>	<b>1.2199</b>	<b>0.0161</b>	<b>1.2360</b>	<b>0.3318</b>	<b>0.0152</b>	<b>0.3471</b>		<b>2,236.633 8</b>	<b>2,236.633 8</b>	<b>0.0911</b>		<b>2,238.910 2</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	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.333 6	2,554.333 6	0.6120		2,569.632 2
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>	<b>0.0000</b>	<b>2,554.333 6</b>	<b>2,554.333 6</b>	<b>0.6120</b>		<b>2,569.632 2</b>

VA Alameda - Bay Area AQMD Air District, Winter

**3.4 Building Construction - 2022**

**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	0.1654	5.3287	1.4218	0.0142	0.3655	0.0109	0.3764	0.1052	0.0104	0.1156		1,505.730 1	1,505.730 1	0.0757		1,507.622 2
Worker	0.3306	0.2164	2.1932	7.3300e-003	0.8543	5.2500e-003	0.8596	0.2266	4.8400e-003	0.2314		730.9037	730.9037	0.0154		731.2880
<b>Total</b>	<b>0.4961</b>	<b>5.5451</b>	<b>3.6151</b>	<b>0.0215</b>	<b>1.2199</b>	<b>0.0161</b>	<b>1.2360</b>	<b>0.3318</b>	<b>0.0152</b>	<b>0.3471</b>		<b>2,236.633 8</b>	<b>2,236.633 8</b>	<b>0.0911</b>		<b>2,238.910 2</b>

**3.4 Building Construction - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.209 9	2,555.209 9	0.6079		2,570.406 1
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>		<b>2,555.209 9</b>	<b>2,555.209 9</b>	<b>0.6079</b>		<b>2,570.406 1</b>



VA Alameda - Bay Area AQMD Air District, Winter

**3.4 Building Construction - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1244	4.1070	1.2626	0.0138	0.3656	4.8600e-003	0.3704	0.1052	4.6400e-003	0.1099		1,463.7566	1,463.7566	0.0643		1,465.3630
Worker	0.3097	0.1946	2.0143	7.0500e-003	0.8543	5.1400e-003	0.8595	0.2266	4.7400e-003	0.2313		702.9133	702.9133	0.0138		703.2571
<b>Total</b>	<b>0.4341</b>	<b>4.3016</b>	<b>3.2769</b>	<b>0.0209</b>	<b>1.2199</b>	<b>1.0000e-002</b>	<b>1.2299</b>	<b>0.3318</b>	<b>9.3800e-003</b>	<b>0.3412</b>		<b>2,166.6699</b>	<b>2,166.6699</b>	<b>0.0780</b>		<b>2,168.6201</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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>	<b>0.0000</b>	<b>2,555.2099</b>	<b>2,555.2099</b>	<b>0.6079</b>		<b>2,570.4061</b>

VA Alameda - Bay Area AQMD Air District, Winter

**3.4 Building Construction - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1244	4.1070	1.2626	0.0138	0.3656	4.8600e-003	0.3704	0.1052	4.6400e-003	0.1099		1,463.7566	1,463.7566	0.0643		1,465.3630
Worker	0.3097	0.1946	2.0143	7.0500e-003	0.8543	5.1400e-003	0.8595	0.2266	4.7400e-003	0.2313		702.9133	702.9133	0.0138		703.2571
<b>Total</b>	<b>0.4341</b>	<b>4.3016</b>	<b>3.2769</b>	<b>0.0209</b>	<b>1.2199</b>	<b>1.0000e-002</b>	<b>1.2299</b>	<b>0.3318</b>	<b>9.3800e-003</b>	<b>0.3412</b>		<b>2,166.6699</b>	<b>2,166.6699</b>	<b>0.0780</b>		<b>2,168.6201</b>

**3.4 Building Construction - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
<b>Total</b>	<b>1.4716</b>	<b>13.4438</b>	<b>16.1668</b>	<b>0.0270</b>		<b>0.6133</b>	<b>0.6133</b>		<b>0.5769</b>	<b>0.5769</b>		<b>2,555.6989</b>	<b>2,555.6989</b>	<b>0.6044</b>		<b>2,570.8077</b>

VA Alameda - Bay Area AQMD Air District, Winter

**3.4 Building Construction - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1202	4.0612	1.2151	0.0137	0.3656	4.7600e-003	0.3703	0.1052	4.5500e-003	0.1098		1,454.0468	1,454.0468	0.0629		1,455.6198
Worker	0.2917	0.1757	1.8637	6.7700e-003	0.8543	5.0400e-003	0.8594	0.2266	4.6400e-003	0.2313		675.0953	675.0953	0.0124		675.4045
<b>Total</b>	<b>0.4119</b>	<b>4.2369</b>	<b>3.0788</b>	<b>0.0205</b>	<b>1.2199</b>	<b>9.8000e-003</b>	<b>1.2297</b>	<b>0.3319</b>	<b>9.1900e-003</b>	<b>0.3410</b>		<b>2,129.1422</b>	<b>2,129.1422</b>	<b>0.0753</b>		<b>2,131.0243</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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
<b>Total</b>	<b>1.4716</b>	<b>13.4438</b>	<b>16.1668</b>	<b>0.0270</b>		<b>0.6133</b>	<b>0.6133</b>		<b>0.5769</b>	<b>0.5769</b>	<b>0.0000</b>	<b>2,555.6989</b>	<b>2,555.6989</b>	<b>0.6044</b>		<b>2,570.8077</b>

VA Alameda - Bay Area AQMD Air District, Winter

**3.4 Building Construction - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1202	4.0612	1.2151	0.0137	0.3656	4.7600e-003	0.3703	0.1052	4.5500e-003	0.1098		1,454.0468	1,454.0468	0.0629		1,455.6198
Worker	0.2917	0.1757	1.8637	6.7700e-003	0.8543	5.0400e-003	0.8594	0.2266	4.6400e-003	0.2313		675.0953	675.0953	0.0124		675.4045
<b>Total</b>	<b>0.4119</b>	<b>4.2369</b>	<b>3.0788</b>	<b>0.0205</b>	<b>1.2199</b>	<b>9.8000e-003</b>	<b>1.2297</b>	<b>0.3319</b>	<b>9.1900e-003</b>	<b>0.3410</b>		<b>2,129.1422</b>	<b>2,129.1422</b>	<b>0.0753</b>		<b>2,131.0243</b>

**3.4 Building Construction - 2025**

**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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>		<b>2,556.4744</b>	<b>2,556.4744</b>	<b>0.6010</b>		<b>2,571.4981</b>

VA Alameda - Bay Area AQMD Air District, Winter

**3.4 Building Construction - 2025**

**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	0.1167	4.0132	1.1789	0.0136	0.3656	4.6600e-003	0.3702	0.1052	4.4500e-003	0.1097		1,444.6904	1,444.6904	0.0617			1,446.2315
Worker	0.2763	0.1597	1.7248	6.4900e-003	0.8543	4.9700e-003	0.8593	0.2266	4.5800e-003	0.2312		647.6175	647.6175	0.0112			647.8973
<b>Total</b>	<b>0.3930</b>	<b>4.1729</b>	<b>2.9037</b>	<b>0.0201</b>	<b>1.2199</b>	<b>9.6300e-003</b>	<b>1.2296</b>	<b>0.3319</b>	<b>9.0300e-003</b>	<b>0.3409</b>		<b>2,092.3079</b>	<b>2,092.3079</b>	<b>0.0728</b>			<b>2,094.1288</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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010			2,571.4981
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>	<b>0.0000</b>	<b>2,556.4744</b>	<b>2,556.4744</b>	<b>0.6010</b>			<b>2,571.4981</b>

VA Alameda - Bay Area AQMD Air District, Winter

**3.4 Building Construction - 2025**

**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	0.1167	4.0132	1.1789	0.0136	0.3656	4.6600e-003	0.3702	0.1052	4.4500e-003	0.1097		1,444.6904	1,444.6904	0.0617		1,446.2315
Worker	0.2763	0.1597	1.7248	6.4900e-003	0.8543	4.9700e-003	0.8593	0.2266	4.5800e-003	0.2312		647.6175	647.6175	0.0112		647.8973
<b>Total</b>	<b>0.3930</b>	<b>4.1729</b>	<b>2.9037</b>	<b>0.0201</b>	<b>1.2199</b>	<b>9.6300e-003</b>	<b>1.2296</b>	<b>0.3319</b>	<b>9.0300e-003</b>	<b>0.3409</b>		<b>2,092.3079</b>	<b>2,092.3079</b>	<b>0.0728</b>		<b>2,094.1288</b>

**3.5 Paving - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9152</b>	<b>8.5816</b>	<b>14.5780</b>	<b>0.0228</b>		<b>0.4185</b>	<b>0.4185</b>		<b>0.3850</b>	<b>0.3850</b>		<b>2,206.7452</b>	<b>2,206.7452</b>	<b>0.7137</b>		<b>2,224.5878</b>

VA Alameda - Bay Area AQMD Air District, Winter

**3.5 Paving - 2025**

**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	0.0399	0.0230	0.2488	9.4000e-004	0.1232	7.2000e-004	0.1239	0.0327	6.6000e-004	0.0333		93.4064	93.4064	1.6100e-003		93.4467
<b>Total</b>	<b>0.0399</b>	<b>0.0230</b>	<b>0.2488</b>	<b>9.4000e-004</b>	<b>0.1232</b>	<b>7.2000e-004</b>	<b>0.1239</b>	<b>0.0327</b>	<b>6.6000e-004</b>	<b>0.0333</b>		<b>93.4064</b>	<b>93.4064</b>	<b>1.6100e-003</b>		<b>93.4467</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	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9152</b>	<b>8.5816</b>	<b>14.5780</b>	<b>0.0228</b>		<b>0.4185</b>	<b>0.4185</b>		<b>0.3850</b>	<b>0.3850</b>	<b>0.0000</b>	<b>2,206.7452</b>	<b>2,206.7452</b>	<b>0.7137</b>		<b>2,224.5878</b>

VA Alameda - Bay Area AQMD Air District, Winter

**3.5 Paving - 2025**

**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	0.0399	0.0230	0.2488	9.4000e-004	0.1232	7.2000e-004	0.1239	0.0327	6.6000e-004	0.0333		93.4064	93.4064	1.6100e-003		93.4467
<b>Total</b>	<b>0.0399</b>	<b>0.0230</b>	<b>0.2488</b>	<b>9.4000e-004</b>	<b>0.1232</b>	<b>7.2000e-004</b>	<b>0.1239</b>	<b>0.0327</b>	<b>6.6000e-004</b>	<b>0.0333</b>		<b>93.4064</b>	<b>93.4064</b>	<b>1.6100e-003</b>		<b>93.4467</b>

**3.6 Architectural Coating - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.4535					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>15.6343</b>	<b>1.2188</b>	<b>1.8101</b>	<b>2.9700e-003</b>		<b>0.0609</b>	<b>0.0609</b>		<b>0.0609</b>	<b>0.0609</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</b>



VA Alameda - Bay Area AQMD Air District, Winter

**3.6 Architectural Coating - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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	0.0561	0.0338	0.3584	1.3000e-003	0.1643	9.7000e-004	0.1653	0.0436	8.9000e-004	0.0445		129.8260	129.8260	2.3800e-003		129.8855
<b>Total</b>	<b>0.0561</b>	<b>0.0338</b>	<b>0.3584</b>	<b>1.3000e-003</b>	<b>0.1643</b>	<b>9.7000e-004</b>	<b>0.1653</b>	<b>0.0436</b>	<b>8.9000e-004</b>	<b>0.0445</b>		<b>129.8260</b>	<b>129.8260</b>	<b>2.3800e-003</b>		<b>129.8855</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	15.4535					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>15.6343</b>	<b>1.2188</b>	<b>1.8101</b>	<b>2.9700e-003</b>		<b>0.0609</b>	<b>0.0609</b>		<b>0.0609</b>	<b>0.0609</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</b>

VA Alameda - Bay Area AQMD Air District, Winter

**3.6 Architectural Coating - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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	0.0561	0.0338	0.3584	1.3000e-003	0.1643	9.7000e-004	0.1653	0.0436	8.9000e-004	0.0445		129.8260	129.8260	2.3800e-003		129.8855
<b>Total</b>	<b>0.0561</b>	<b>0.0338</b>	<b>0.3584</b>	<b>1.3000e-003</b>	<b>0.1643</b>	<b>9.7000e-004</b>	<b>0.1653</b>	<b>0.0436</b>	<b>8.9000e-004</b>	<b>0.0445</b>		<b>129.8260</b>	<b>129.8260</b>	<b>2.3800e-003</b>		<b>129.8855</b>

**3.6 Architectural Coating - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.4535					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>15.6244</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

VA Alameda - Bay Area AQMD Air District, Winter

**3.6 Architectural Coating - 2025**

**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	0.0531	0.0307	0.3317	1.2500e-003	0.1643	9.6000e-004	0.1653	0.0436	8.8000e-004	0.0445		124.5418	124.5418	2.1500e-003		124.5956
<b>Total</b>	<b>0.0531</b>	<b>0.0307</b>	<b>0.3317</b>	<b>1.2500e-003</b>	<b>0.1643</b>	<b>9.6000e-004</b>	<b>0.1653</b>	<b>0.0436</b>	<b>8.8000e-004</b>	<b>0.0445</b>		<b>124.5418</b>	<b>124.5418</b>	<b>2.1500e-003</b>		<b>124.5956</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	15.4535					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>15.6244</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

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**3.6 Architectural Coating - 2025**

**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	0.0531	0.0307	0.3317	1.2500e-003	0.1643	9.6000e-004	0.1653	0.0436	8.8000e-004	0.0445		124.5418	124.5418	2.1500e-003		124.5956
<b>Total</b>	<b>0.0531</b>	<b>0.0307</b>	<b>0.3317</b>	<b>1.2500e-003</b>	<b>0.1643</b>	<b>9.6000e-004</b>	<b>0.1653</b>	<b>0.0436</b>	<b>8.8000e-004</b>	<b>0.0445</b>		<b>124.5418</b>	<b>124.5418</b>	<b>2.1500e-003</b>		<b>124.5956</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

VA Alameda - Bay Area AQMD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.9861	9.3745	22.4223	0.0818	8.0787	0.0681	8.1467	2.1609	0.0635	2.2243		8,296.583 0	8,296.583 0	0.2976		8,304.023 6
Unmitigated	1.9861	9.3745	22.4223	0.0818	8.0787	0.0681	8.1467	2.1609	0.0635	2.2243		8,296.583 0	8,296.583 0	0.2976		8,304.023 6

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	337.60	337.60	337.60	720,726	720,726
General Office Building	53.00	53.00	53.00	126,657	126,657
Medical Office Building	1,510.48	1,510.48	1,510.48	2,956,387	2,956,387
<b>Total</b>	<b>1,901.08</b>	<b>1,901.08</b>	<b>1,901.08</b>	<b>3,803,770</b>	<b>3,803,770</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
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Medical Office Building	9.50	7.30	7.30	29.60	51.40	19.00	60	30	10

4.4 Fleet Mix

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Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.581705	0.037849	0.193793	0.109044	0.014574	0.005304	0.018664	0.026966	0.002656	0.002072	0.005755	0.000900	0.000719
General Office Building	0.581705	0.037849	0.193793	0.109044	0.014574	0.005304	0.018664	0.026966	0.002656	0.002072	0.005755	0.000900	0.000719
Medical Office Building	0.581705	0.037849	0.193793	0.109044	0.014574	0.005304	0.018664	0.026966	0.002656	0.002072	0.005755	0.000900	0.000719

**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	0.0931	0.8463	0.7109	5.0800e-003		0.0643	0.0643		0.0643	0.0643		1,015.5649	1,015.5649	0.0195	0.0186	1,021.5999
NaturalGas Unmitigated	0.0931	0.8463	0.7109	5.0800e-003		0.0643	0.0643		0.0643	0.0643		1,015.5649	1,015.5649	0.0195	0.0186	1,021.5999

VA Alameda - Bay Area AQMD Air District, Winter

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	264.795	2.8600e-003	0.0260	0.0218	1.6000e-004		1.9700e-003	1.9700e-003		1.9700e-003	1.9700e-003		31.1523	31.1523	6.0000e-004	5.7000e-004	31.3374
Medical Office Building	8367.51	0.0902	0.8203	0.6891	4.9200e-003		0.0624	0.0624		0.0624	0.0624		984.4126	984.4126	0.0189	0.0181	990.2624
<b>Total</b>		<b>0.0931</b>	<b>0.8463</b>	<b>0.7109</b>	<b>5.0800e-003</b>		<b>0.0643</b>	<b>0.0643</b>		<b>0.0643</b>	<b>0.0643</b>		<b>1,015.5649</b>	<b>1,015.5649</b>	<b>0.0195</b>	<b>0.0186</b>	<b>1,021.5999</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0.264795	2.8600e-003	0.0260	0.0218	1.6000e-004		1.9700e-003	1.9700e-003		1.9700e-003	1.9700e-003		31.1523	31.1523	6.0000e-004	5.7000e-004	31.3374
Medical Office Building	8.36751	0.0902	0.8203	0.6891	4.9200e-003		0.0624	0.0624		0.0624	0.0624		984.4126	984.4126	0.0189	0.0181	990.2624
<b>Total</b>		<b>0.0931</b>	<b>0.8463</b>	<b>0.7109</b>	<b>5.0800e-003</b>		<b>0.0643</b>	<b>0.0643</b>		<b>0.0643</b>	<b>0.0643</b>		<b>1,015.5649</b>	<b>1,015.5649</b>	<b>0.0195</b>	<b>0.0186</b>	<b>1,021.5999</b>

**6.0 Area Detail**

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**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.1357	2.2000e-004	0.0248	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0532	0.0532	1.4000e-004		0.0566
Unmitigated	4.1357	2.2000e-004	0.0248	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0532	0.0532	1.4000e-004		0.0566

**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	0.4657					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.6677					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2800e-003	2.2000e-004	0.0248	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0532	0.0532	1.4000e-004		0.0566
<b>Total</b>	<b>4.1357</b>	<b>2.2000e-004</b>	<b>0.0248</b>	<b>0.0000</b>		<b>9.0000e-005</b>	<b>9.0000e-005</b>		<b>9.0000e-005</b>	<b>9.0000e-005</b>		<b>0.0532</b>	<b>0.0532</b>	<b>1.4000e-004</b>		<b>0.0566</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	lb/day										lb/day					
Architectural Coating	0.4657					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.6677					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2800e-003	2.2000e-004	0.0248	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0532	0.0532	1.4000e-004		0.0566
<b>Total</b>	<b>4.1357</b>	<b>2.2000e-004</b>	<b>0.0248</b>	<b>0.0000</b>		<b>9.0000e-005</b>	<b>9.0000e-005</b>		<b>9.0000e-005</b>	<b>9.0000e-005</b>		<b>0.0532</b>	<b>0.0532</b>	<b>1.4000e-004</b>		<b>0.0566</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
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**10.0 Stationary Equipment**

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**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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**11.0 Vegetation**

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**VA Alameda**  
**Bay Area AQMD Air District, Annual**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	5.00	1000sqft	0.11	5,000.00	0
Medical Office Building	158.00	1000sqft	3.63	158,000.00	0
City Park	80.00	Acre	80.00	3,484,800.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	64
<b>Climate Zone</b>	5			<b>Operational Year</b>	2040
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	641.35	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

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

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Project Characteristics -

Land Use - The City Park land use is representative of the cemetery

Construction Phase - No Construction analyzed for future conditions.

Off-road Equipment - No Construction analyzed

Vehicle Trips - Trip rates adjusted to match traffic report

Construction Off-road Equipment Mitigation -

Grading -

Trips and VMT -

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Table Name	Column Name	Default Value	New Value
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblVehicleTrips	ST_TR	22.75	4.63
tblVehicleTrips	ST_TR	2.46	10.60
tblVehicleTrips	ST_TR	8.96	9.56
tblVehicleTrips	SU_TR	16.74	4.63
tblVehicleTrips	SU_TR	1.05	10.60
tblVehicleTrips	SU_TR	1.55	9.56
tblVehicleTrips	WD_TR	1.89	4.63
tblVehicleTrips	WD_TR	11.03	10.60
tblVehicleTrips	WD_TR	36.13	9.56

**2.0 Emissions Summary**

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**2.1 Overall Construction**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

**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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

	ROG	NOx	CO	SO2	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

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

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	0.7546	2.0000e-005	2.2200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.3400e-003	4.3400e-003	1.0000e-005	0.0000	4.6200e-003
Energy	0.0170	0.1545	0.1297	9.3000e-004		0.0117	0.0117		0.0117	0.0117	0.0000	759.9219	759.9219	0.0300	8.6200e-003	763.2398
Mobile	0.2102	1.4240	2.3377	0.0126	1.4409	5.4300e-003	1.4464	0.3865	5.0600e-003	0.3916	0.0000	1,169.5125	1,169.5125	0.0358	0.0000	1,170.4062
Waste						0.0000	0.0000		0.0000	0.0000	348.7243	0.0000	348.7243	20.6090	0.0000	863.9496
Water						0.0000	0.0000		0.0000	0.0000	6.5718	134.0593	140.6311	0.6811	0.0172	162.7805
<b>Total</b>	<b>0.9818</b>	<b>1.5785</b>	<b>2.4697</b>	<b>0.0135</b>	<b>1.4409</b>	<b>0.0172</b>	<b>1.4581</b>	<b>0.3865</b>	<b>0.0168</b>	<b>0.4033</b>	<b>355.2960</b>	<b>2,063.4980</b>	<b>2,418.7941</b>	<b>21.3558</b>	<b>0.0258</b>	<b>2,960.3808</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	0.7546	2.0000e-005	2.2200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.3400e-003	4.3400e-003	1.0000e-005	0.0000	4.6200e-003
Energy	0.0170	0.1545	0.1297	9.3000e-004		0.0117	0.0117		0.0117	0.0117	0.0000	759.9219	759.9219	0.0300	8.6200e-003	763.2398
Mobile	0.2102	1.4240	2.3377	0.0126	1.4409	5.4300e-003	1.4464	0.3865	5.0600e-003	0.3916	0.0000	1,169.5125	1,169.5125	0.0358	0.0000	1,170.4062
Waste						0.0000	0.0000		0.0000	0.0000	348.7243	0.0000	348.7243	20.6090	0.0000	863.9496
Water						0.0000	0.0000		0.0000	0.0000	6.5718	134.0593	140.6311	0.6811	0.0172	162.7805
<b>Total</b>	<b>0.9818</b>	<b>1.5785</b>	<b>2.4697</b>	<b>0.0135</b>	<b>1.4409</b>	<b>0.0172</b>	<b>1.4581</b>	<b>0.3865</b>	<b>0.0168</b>	<b>0.4033</b>	<b>355.2960</b>	<b>2,063.4980</b>	<b>2,418.7941</b>	<b>21.3558</b>	<b>0.0258</b>	<b>2,960.3808</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**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Paving	Paving	1/7/2019	6/7/2019	5	110	

Acres of Grading (Site Preparation Phase): 0

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

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Paving	Pavers	0	8.00	130	0.42
Paving	Paving Equipment	0	8.00	132	0.36
Paving	Rollers	0	8.00	80	0.38

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Paving	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area



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**3.2 Paving - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	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>

**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	0.0000	0.0000	0.0000	0.0000	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>	<b>0.0000</b>	<b>0.0000</b>

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**3.2 Paving - 2019**

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	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>

**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	0.0000	0.0000	0.0000	0.0000	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>	<b>0.0000</b>	<b>0.0000</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2102	1.4240	2.3377	0.0126	1.4409	5.4300e-003	1.4464	0.3865	5.0600e-003	0.3916	0.0000	1,169.5125	1,169.5125	0.0358	0.0000	1,170.4062
Unmitigated	0.2102	1.4240	2.3377	0.0126	1.4409	5.4300e-003	1.4464	0.3865	5.0600e-003	0.3916	0.0000	1,169.5125	1,169.5125	0.0358	0.0000	1,170.4062

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	370.40	370.40	370.40	790,749	790,749
General Office Building	53.00	53.00	53.00	126,657	126,657
Medical Office Building	1,510.48	1,510.48	1510.48	2,956,387	2,956,387
Total	1,933.88	1,933.88	1,933.88	3,873,793	3,873,793

**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
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Medical Office Building	9.50	7.30	7.30	29.60	51.40	19.00	60	30	10

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**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.586270	0.035728	0.192384	0.105682	0.011547	0.005282	0.020653	0.030894	0.002795	0.001620	0.005545	0.000937	0.000663
General Office Building	0.586270	0.035728	0.192384	0.105682	0.011547	0.005282	0.020653	0.030894	0.002795	0.001620	0.005545	0.000937	0.000663
Medical Office Building	0.586270	0.035728	0.192384	0.105682	0.011547	0.005282	0.020653	0.030894	0.002795	0.001620	0.005545	0.000937	0.000663

**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	591.7837	591.7837	0.0268	5.5400e-003	594.1025
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	591.7837	591.7837	0.0268	5.5400e-003	594.1025
NaturalGas Mitigated	0.0170	0.1545	0.1297	9.3000e-004		0.0117	0.0117		0.0117	0.0117	0.0000	168.1382	168.1382	3.2200e-003	3.0800e-003	169.1373
NaturalGas Unmitigated	0.0170	0.1545	0.1297	9.3000e-004		0.0117	0.0117		0.0117	0.0117	0.0000	168.1382	168.1382	3.2200e-003	3.0800e-003	169.1373

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**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	96650	5.2000e-004	4.7400e-003	3.9800e-003	3.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	5.1576	5.1576	1.0000e-004	9.0000e-005	5.1883
Medical Office Building	3.05414e+006	0.0165	0.1497	0.1258	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	162.9805	162.9805	3.1200e-003	2.9900e-003	163.9491
<b>Total</b>		<b>0.0170</b>	<b>0.1545</b>	<b>0.1297</b>	<b>9.3000e-004</b>		<b>0.0117</b>	<b>0.0117</b>		<b>0.0117</b>	<b>0.0117</b>	<b>0.0000</b>	<b>168.1382</b>	<b>168.1382</b>	<b>3.2200e-003</b>	<b>3.0800e-003</b>	<b>169.1373</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	96650	5.2000e-004	4.7400e-003	3.9800e-003	3.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	5.1576	5.1576	1.0000e-004	9.0000e-005	5.1883
Medical Office Building	3.05414e+006	0.0165	0.1497	0.1258	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	162.9805	162.9805	3.1200e-003	2.9900e-003	163.9491
<b>Total</b>		<b>0.0170</b>	<b>0.1545</b>	<b>0.1297</b>	<b>9.3000e-004</b>		<b>0.0117</b>	<b>0.0117</b>		<b>0.0117</b>	<b>0.0117</b>	<b>0.0000</b>	<b>168.1382</b>	<b>168.1382</b>	<b>3.2200e-003</b>	<b>3.0800e-003</b>	<b>169.1373</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			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	62400	18.1529	8.2000e-004	1.7000e-004	18.2240
Medical Office Building	1.97184e+006	573.6309	0.0259	5.3700e-003	575.8785
<b>Total</b>		<b>591.7838</b>	<b>0.0268</b>	<b>5.5400e-003</b>	<b>594.1025</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	62400	18.1529	8.2000e-004	1.7000e-004	18.2240
Medical Office Building	1.97184e+006	573.6309	0.0259	5.3700e-003	575.8785
<b>Total</b>		<b>591.7838</b>	<b>0.0268</b>	<b>5.5400e-003</b>	<b>594.1025</b>

**6.0 Area Detail**

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**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.7546	2.0000e-005	2.2200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.3400e-003	4.3400e-003	1.0000e-005	0.0000	4.6200e-003
Unmitigated	0.7546	2.0000e-005	2.2200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.3400e-003	4.3400e-003	1.0000e-005	0.0000	4.6200e-003

**6.2 Area by SubCategory**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0850					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6694					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-004	2.0000e-005	2.2200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.3400e-003	4.3400e-003	1.0000e-005	0.0000	4.6200e-003
<b>Total</b>	<b>0.7546</b>	<b>2.0000e-005</b>	<b>2.2200e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>4.3400e-003</b>	<b>4.3400e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>4.6200e-003</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	0.0850					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6694					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-004	2.0000e-005	2.2200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.3400e-003	4.3400e-003	1.0000e-005	0.0000	4.6200e-003
<b>Total</b>	<b>0.7546</b>	<b>2.0000e-005</b>	<b>2.2200e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>4.3400e-003</b>	<b>4.3400e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>4.6200e-003</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**



VA Alameda - Bay Area AQMD Air District, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	140.6311	0.6811	0.0172	162.7805
Unmitigated	140.6311	0.6811	0.0172	162.7805

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 95.3185	97.0524	4.3900e-003	9.1000e-004	97.4326
General Office Building	0.888669 / 0.544668	2.2354	0.0291	7.0000e-004	3.1707
Medical Office Building	19.8259 / 3.77637	41.3433	0.6476	0.0156	62.1771
<b>Total</b>		<b>140.6311</b>	<b>0.6811</b>	<b>0.0172</b>	<b>162.7805</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			
City Park	0 / 95.3185	97.0524	4.3900e-003	9.1000e-004	97.4326
General Office Building	0.888669 / 0.544668	2.2354	0.0291	7.0000e-004	3.1707
Medical Office Building	19.8259 / 3.77637	41.3433	0.6476	0.0156	62.1771
<b>Total</b>		<b>140.6311</b>	<b>0.6811</b>	<b>0.0172</b>	<b>162.7805</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

VA Alameda - Bay Area AQMD Air District, Annual

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	348.7243	20.6090	0.0000	863.9496
Unmitigated	348.7243	20.6090	0.0000	863.9496

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	6.88	1.3966	0.0825	0.0000	3.4600
General Office Building	4.65	0.9439	0.0558	0.0000	2.3385
Medical Office Building	1706.4	346.3838	20.4707	0.0000	858.1512
<b>Total</b>		<b>348.7243</b>	<b>20.6090</b>	<b>0.0000</b>	<b>863.9496</b>

VA Alameda - Bay Area AQMD Air District, Annual

**8.2 Waste by Land Use**

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	6.88	1.3966	0.0825	0.0000	3.4600
General Office Building	4.65	0.9439	0.0558	0.0000	2.3385
Medical Office Building	1706.4	346.3838	20.4707	0.0000	858.1512
<b>Total</b>		<b>348.7243</b>	<b>20.6090</b>	<b>0.0000</b>	<b>863.9496</b>

**9.0 Operational Offroad**

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

**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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VA Alameda - Bay Area AQMD Air District, Annual

## 11.0 Vegetation

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VA Alameda - Bay Area AQMD Air District, Summer

**VA Alameda**  
**Bay Area AQMD Air District, Summer**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	5.00	1000sqft	0.11	5,000.00	0
Medical Office Building	158.00	1000sqft	3.63	158,000.00	0
City Park	80.00	Acre	80.00	3,484,800.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	64
<b>Climate Zone</b>	5			<b>Operational Year</b>	2040
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	641.35	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

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

VA Alameda - Bay Area AQMD Air District, Summer

Project Characteristics -

Land Use - The City Park land use is representative of the cemetery

Construction Phase - No Construction analyzed for future conditions.

Off-road Equipment - No Construction analyzed

Vehicle Trips - Trip rates adjusted to match traffic report

Construction Off-road Equipment Mitigation -

Grading -

Trips and VMT -

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Table Name	Column Name	Default Value	New Value
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblVehicleTrips	ST_TR	22.75	4.63
tblVehicleTrips	ST_TR	2.46	10.60
tblVehicleTrips	ST_TR	8.96	9.56
tblVehicleTrips	SU_TR	16.74	4.63
tblVehicleTrips	SU_TR	1.05	10.60
tblVehicleTrips	SU_TR	1.55	9.56
tblVehicleTrips	WD_TR	1.89	4.63
tblVehicleTrips	WD_TR	11.03	10.60
tblVehicleTrips	WD_TR	36.13	9.56

**2.0 Emissions Summary**

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VA Alameda - Bay Area AQMD Air District, 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

**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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

	ROG	NOx	CO	SO2	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



VA Alameda - Bay Area AQMD Air District, Summer

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.1357	2.2000e-004	0.0247	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0532	0.0532	1.4000e-004		0.0566
Energy	0.0931	0.8463	0.7109	5.0800e-003		0.0643	0.0643		0.0643	0.0643		1,015.5649	1,015.5649	0.0195	0.0186	1,021.5999
Mobile	1.3279	7.7270	13.3745	0.0730	8.2255	0.0299	8.2554	2.1994	0.0278	2.2272		7,455.3627	7,455.3627	0.2146		7,460.7268
<b>Total</b>	<b>5.5567</b>	<b>8.5735</b>	<b>14.1101</b>	<b>0.0781</b>	<b>8.2255</b>	<b>0.0943</b>	<b>8.3198</b>	<b>2.1994</b>	<b>0.0922</b>	<b>2.2916</b>		<b>8,470.9808</b>	<b>8,470.9808</b>	<b>0.2342</b>	<b>0.0186</b>	<b>8,482.3832</b>

**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	4.1357	2.2000e-004	0.0247	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0532	0.0532	1.4000e-004		0.0566
Energy	0.0931	0.8463	0.7109	5.0800e-003		0.0643	0.0643		0.0643	0.0643		1,015.5649	1,015.5649	0.0195	0.0186	1,021.5999
Mobile	1.3279	7.7270	13.3745	0.0730	8.2255	0.0299	8.2554	2.1994	0.0278	2.2272		7,455.3627	7,455.3627	0.2146		7,460.7268
<b>Total</b>	<b>5.5567</b>	<b>8.5735</b>	<b>14.1101</b>	<b>0.0781</b>	<b>8.2255</b>	<b>0.0943</b>	<b>8.3198</b>	<b>2.1994</b>	<b>0.0922</b>	<b>2.2916</b>		<b>8,470.9808</b>	<b>8,470.9808</b>	<b>0.2342</b>	<b>0.0186</b>	<b>8,482.3832</b>

VA Alameda - Bay Area AQMD Air District, Summer

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

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Paving	Paving	1/7/2019	6/7/2019	5	110	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

#### OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Paving	Pavers	0	8.00	130	0.42
Paving	Paving Equipment	0	8.00	132	0.36
Paving	Rollers	0	8.00	80	0.38

#### Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Paving	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

VA Alameda - Bay Area AQMD Air District, Summer

**3.1 Mitigation Measures Construction**

Water Exposed Area

**3.2 Paving - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Paving	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>

VA Alameda - Bay Area AQMD Air District, Summer

**3.2 Paving - 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	0.0000	0.0000	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>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Paving	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>

VA Alameda - Bay Area AQMD Air District, Summer

**3.2 Paving - 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	0.0000	0.0000	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>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

VA Alameda - Bay Area AQMD Air District, 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	1.3279	7.7270	13.3745	0.0730	8.2255	0.0299	8.2554	2.1994	0.0278	2.2272		7,455.3627	7,455.3627	0.2146		7,460.7268
Unmitigated	1.3279	7.7270	13.3745	0.0730	8.2255	0.0299	8.2554	2.1994	0.0278	2.2272		7,455.3627	7,455.3627	0.2146		7,460.7268

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	370.40	370.40	370.40	790,749	790,749
General Office Building	53.00	53.00	53.00	126,657	126,657
Medical Office Building	1,510.48	1,510.48	1510.48	2,956,387	2,956,387
Total	1,933.88	1,933.88	1,933.88	3,873,793	3,873,793

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
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Medical Office Building	9.50	7.30	7.30	29.60	51.40	19.00	60	30	10

4.4 Fleet Mix

VA Alameda - Bay Area AQMD Air District, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.586270	0.035728	0.192384	0.105682	0.011547	0.005282	0.020653	0.030894	0.002795	0.001620	0.005545	0.000937	0.000663
General Office Building	0.586270	0.035728	0.192384	0.105682	0.011547	0.005282	0.020653	0.030894	0.002795	0.001620	0.005545	0.000937	0.000663
Medical Office Building	0.586270	0.035728	0.192384	0.105682	0.011547	0.005282	0.020653	0.030894	0.002795	0.001620	0.005545	0.000937	0.000663

**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	0.0931	0.8463	0.7109	5.0800e-003		0.0643	0.0643		0.0643	0.0643		1,015.5649	1,015.5649	0.0195	0.0186	1,021.5999
NaturalGas Unmitigated	0.0931	0.8463	0.7109	5.0800e-003		0.0643	0.0643		0.0643	0.0643		1,015.5649	1,015.5649	0.0195	0.0186	1,021.5999

VA Alameda - Bay Area AQMD Air District, Summer

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	264.795	2.8600e-003	0.0260	0.0218	1.6000e-004		1.9700e-003	1.9700e-003		1.9700e-003	1.9700e-003		31.1523	31.1523	6.0000e-004	5.7000e-004	31.3374
Medical Office Building	8367.51	0.0902	0.8203	0.6891	4.9200e-003		0.0624	0.0624		0.0624	0.0624		984.4126	984.4126	0.0189	0.0181	990.2624
<b>Total</b>		<b>0.0931</b>	<b>0.8463</b>	<b>0.7109</b>	<b>5.0800e-003</b>		<b>0.0643</b>	<b>0.0643</b>		<b>0.0643</b>	<b>0.0643</b>		<b>1,015.5649</b>	<b>1,015.5649</b>	<b>0.0195</b>	<b>0.0186</b>	<b>1,021.5999</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0.264795	2.8600e-003	0.0260	0.0218	1.6000e-004		1.9700e-003	1.9700e-003		1.9700e-003	1.9700e-003		31.1523	31.1523	6.0000e-004	5.7000e-004	31.3374
Medical Office Building	8.36751	0.0902	0.8203	0.6891	4.9200e-003		0.0624	0.0624		0.0624	0.0624		984.4126	984.4126	0.0189	0.0181	990.2624
<b>Total</b>		<b>0.0931</b>	<b>0.8463</b>	<b>0.7109</b>	<b>5.0800e-003</b>		<b>0.0643</b>	<b>0.0643</b>		<b>0.0643</b>	<b>0.0643</b>		<b>1,015.5649</b>	<b>1,015.5649</b>	<b>0.0195</b>	<b>0.0186</b>	<b>1,021.5999</b>

**6.0 Area Detail**



VA Alameda - Bay Area AQMD Air District, Summer

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.1357	2.2000e-004	0.0247	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0532	0.0532	1.4000e-004		0.0566
Unmitigated	4.1357	2.2000e-004	0.0247	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0532	0.0532	1.4000e-004		0.0566

**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	0.4657					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.6677					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2600e-003	2.2000e-004	0.0247	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0532	0.0532	1.4000e-004		0.0566
<b>Total</b>	<b>4.1357</b>	<b>2.2000e-004</b>	<b>0.0247</b>	<b>0.0000</b>		<b>9.0000e-005</b>	<b>9.0000e-005</b>		<b>9.0000e-005</b>	<b>9.0000e-005</b>		<b>0.0532</b>	<b>0.0532</b>	<b>1.4000e-004</b>		<b>0.0566</b>

VA Alameda - Bay Area AQMD Air District, 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	0.4657					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.6677					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2600e-003	2.2000e-004	0.0247	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0532	0.0532	1.4000e-004		0.0566
<b>Total</b>	<b>4.1357</b>	<b>2.2000e-004</b>	<b>0.0247</b>	<b>0.0000</b>		<b>9.0000e-005</b>	<b>9.0000e-005</b>		<b>9.0000e-005</b>	<b>9.0000e-005</b>		<b>0.0532</b>	<b>0.0532</b>	<b>1.4000e-004</b>		<b>0.0566</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
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**10.0 Stationary Equipment**

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**Fire Pumps and Emergency Generators**

VA Alameda - Bay Area AQMD Air District, Summer

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

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

Equipment Type	Number
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**11.0 Vegetation**

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VA Alameda - Bay Area AQMD Air District, Winter

**VA Alameda**  
**Bay Area AQMD Air District, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	5.00	1000sqft	0.11	5,000.00	0
Medical Office Building	158.00	1000sqft	3.63	158,000.00	0
City Park	80.00	Acre	80.00	3,484,800.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	64
<b>Climate Zone</b>	5			<b>Operational Year</b>	2040
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	641.35	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

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

VA Alameda - Bay Area AQMD Air District, Winter

Project Characteristics -

Land Use - The City Park land use is representative of the cemetery

Construction Phase - No Construction analyzed for future conditions.

Off-road Equipment - No Construction analyzed

Vehicle Trips - Trip rates adjusted to match traffic report

Construction Off-road Equipment Mitigation -

Grading -

Trips and VMT -

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Table Name	Column Name	Default Value	New Value
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblVehicleTrips	ST_TR	22.75	4.63
tblVehicleTrips	ST_TR	2.46	10.60
tblVehicleTrips	ST_TR	8.96	9.56
tblVehicleTrips	SU_TR	16.74	4.63
tblVehicleTrips	SU_TR	1.05	10.60
tblVehicleTrips	SU_TR	1.55	9.56
tblVehicleTrips	WD_TR	1.89	4.63
tblVehicleTrips	WD_TR	11.03	10.60
tblVehicleTrips	WD_TR	36.13	9.56

**2.0 Emissions Summary**

VA Alameda - Bay Area AQMD Air District, Winter

**2.1 Overall Construction (Maximum Daily Emission)**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

**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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

	ROG	NOx	CO	SO2	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

VA Alameda - Bay Area AQMD Air District, Winter

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.1357	2.2000e-004	0.0247	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0532	0.0532	1.4000e-004		0.0566
Energy	0.0931	0.8463	0.7109	5.0800e-003		0.0643	0.0643		0.0643	0.0643		1,015.5649	1,015.5649	0.0195	0.0186	1,021.5999
Mobile	1.1412	7.8645	13.3962	0.0686	8.2255	0.0300	8.2555	2.1994	0.0279	2.2273		7,005.7921	7,005.7921	0.2227		7,011.3600
<b>Total</b>	<b>5.3700</b>	<b>8.7110</b>	<b>14.1318</b>	<b>0.0737</b>	<b>8.2255</b>	<b>0.0944</b>	<b>8.3199</b>	<b>2.1994</b>	<b>0.0923</b>	<b>2.2917</b>		<b>8,021.4101</b>	<b>8,021.4101</b>	<b>0.2423</b>	<b>0.0186</b>	<b>8,033.0165</b>

**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	4.1357	2.2000e-004	0.0247	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0532	0.0532	1.4000e-004		0.0566
Energy	0.0931	0.8463	0.7109	5.0800e-003		0.0643	0.0643		0.0643	0.0643		1,015.5649	1,015.5649	0.0195	0.0186	1,021.5999
Mobile	1.1412	7.8645	13.3962	0.0686	8.2255	0.0300	8.2555	2.1994	0.0279	2.2273		7,005.7921	7,005.7921	0.2227		7,011.3600
<b>Total</b>	<b>5.3700</b>	<b>8.7110</b>	<b>14.1318</b>	<b>0.0737</b>	<b>8.2255</b>	<b>0.0944</b>	<b>8.3199</b>	<b>2.1994</b>	<b>0.0923</b>	<b>2.2917</b>		<b>8,021.4101</b>	<b>8,021.4101</b>	<b>0.2423</b>	<b>0.0186</b>	<b>8,033.0165</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

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Paving	Paving	1/7/2019	6/7/2019	5	110	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

#### OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Paving	Pavers	0	8.00	130	0.42
Paving	Paving Equipment	0	8.00	132	0.36
Paving	Rollers	0	8.00	80	0.38

#### Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Paving	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT



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**3.1 Mitigation Measures Construction**

Water Exposed Area

**3.2 Paving - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Paving	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>

VA Alameda - Bay Area AQMD Air District, Winter

**3.2 Paving - 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	0.0000	0.0000	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>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Paving	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>

VA Alameda - Bay Area AQMD Air District, Winter

**3.2 Paving - 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	0.0000	0.0000	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>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

VA Alameda - Bay Area AQMD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.1412	7.8645	13.3962	0.0686	8.2255	0.0300	8.2555	2.1994	0.0279	2.2273		7,005.792 1	7,005.792 1	0.2227		7,011.360 0
Unmitigated	1.1412	7.8645	13.3962	0.0686	8.2255	0.0300	8.2555	2.1994	0.0279	2.2273		7,005.792 1	7,005.792 1	0.2227		7,011.3600

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	370.40	370.40	370.40	790,749	790,749
General Office Building	53.00	53.00	53.00	126,657	126,657
Medical Office Building	1,510.48	1,510.48	1510.48	2,956,387	2,956,387
Total	1,933.88	1,933.88	1,933.88	3,873,793	3,873,793

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
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Medical Office Building	9.50	7.30	7.30	29.60	51.40	19.00	60	30	10

4.4 Fleet Mix

VA Alameda - Bay Area AQMD Air District, Winter

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.586270	0.035728	0.192384	0.105682	0.011547	0.005282	0.020653	0.030894	0.002795	0.001620	0.005545	0.000937	0.000663
General Office Building	0.586270	0.035728	0.192384	0.105682	0.011547	0.005282	0.020653	0.030894	0.002795	0.001620	0.005545	0.000937	0.000663
Medical Office Building	0.586270	0.035728	0.192384	0.105682	0.011547	0.005282	0.020653	0.030894	0.002795	0.001620	0.005545	0.000937	0.000663

**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	0.0931	0.8463	0.7109	5.0800e-003		0.0643	0.0643		0.0643	0.0643		1,015.5649	1,015.5649	0.0195	0.0186	1,021.5999
NaturalGas Unmitigated	0.0931	0.8463	0.7109	5.0800e-003		0.0643	0.0643		0.0643	0.0643		1,015.5649	1,015.5649	0.0195	0.0186	1,021.5999

VA Alameda - Bay Area AQMD Air District, Winter

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	264.795	2.8600e-003	0.0260	0.0218	1.6000e-004		1.9700e-003	1.9700e-003		1.9700e-003	1.9700e-003		31.1523	31.1523	6.0000e-004	5.7000e-004	31.3374
Medical Office Building	8367.51	0.0902	0.8203	0.6891	4.9200e-003		0.0624	0.0624		0.0624	0.0624		984.4126	984.4126	0.0189	0.0181	990.2624
<b>Total</b>		<b>0.0931</b>	<b>0.8463</b>	<b>0.7109</b>	<b>5.0800e-003</b>		<b>0.0643</b>	<b>0.0643</b>		<b>0.0643</b>	<b>0.0643</b>		<b>1,015.5649</b>	<b>1,015.5649</b>	<b>0.0195</b>	<b>0.0186</b>	<b>1,021.5999</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0.264795	2.8600e-003	0.0260	0.0218	1.6000e-004		1.9700e-003	1.9700e-003		1.9700e-003	1.9700e-003		31.1523	31.1523	6.0000e-004	5.7000e-004	31.3374
Medical Office Building	8.36751	0.0902	0.8203	0.6891	4.9200e-003		0.0624	0.0624		0.0624	0.0624		984.4126	984.4126	0.0189	0.0181	990.2624
<b>Total</b>		<b>0.0931</b>	<b>0.8463</b>	<b>0.7109</b>	<b>5.0800e-003</b>		<b>0.0643</b>	<b>0.0643</b>		<b>0.0643</b>	<b>0.0643</b>		<b>1,015.5649</b>	<b>1,015.5649</b>	<b>0.0195</b>	<b>0.0186</b>	<b>1,021.5999</b>

**6.0 Area Detail**

VA Alameda - Bay Area AQMD Air District, Winter

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.1357	2.2000e-004	0.0247	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0532	0.0532	1.4000e-004		0.0566
Unmitigated	4.1357	2.2000e-004	0.0247	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0532	0.0532	1.4000e-004		0.0566

**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	0.4657					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.6677					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2600e-003	2.2000e-004	0.0247	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0532	0.0532	1.4000e-004		0.0566
<b>Total</b>	<b>4.1357</b>	<b>2.2000e-004</b>	<b>0.0247</b>	<b>0.0000</b>		<b>9.0000e-005</b>	<b>9.0000e-005</b>		<b>9.0000e-005</b>	<b>9.0000e-005</b>		<b>0.0532</b>	<b>0.0532</b>	<b>1.4000e-004</b>		<b>0.0566</b>

VA Alameda - Bay Area AQMD Air District, Winter

**6.2 Area by SubCategory**

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.4657					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.6677					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2600e-003	2.2000e-004	0.0247	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0532	0.0532	1.4000e-004		0.0566
<b>Total</b>	<b>4.1357</b>	<b>2.2000e-004</b>	<b>0.0247</b>	<b>0.0000</b>		<b>9.0000e-005</b>	<b>9.0000e-005</b>		<b>9.0000e-005</b>	<b>9.0000e-005</b>		<b>0.0532</b>	<b>0.0532</b>	<b>1.4000e-004</b>		<b>0.0566</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
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**10.0 Stationary Equipment**

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**Fire Pumps and Emergency Generators**



VA Alameda - Bay Area AQMD Air District, Winter

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

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

Equipment Type	Number
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**11.0 Vegetation**

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