

**H18-053**

**Appendix A**

**Air Quality and Greenhouse Gas Modeling Outputs**

**CalEEMod  
Emissions  
Modeling**

Old Bayshore - Bay Area AQMD Air District, Annual

**Old Bayshore**  
**Bay Area AQMD Air District, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	69.19	1000sqft	3.49	69,192.00	0
Parking Lot	34.00	Space	0.31	13,600.00	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>	4			<b>Operational Year</b>	2021
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MW hr)</b>	281.31	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

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

Project Characteristics - CO2 intensity adjusted per PG&E progress towards RPS

Land Use - Project Information

Construction Phase - Applicant Provided Information

Demolition -

Grading - Applicant Provided Information

Vehicle Trips - Based on Fehr and Peers trip report

## Old Bayshore - Bay Area AQMD Air District, Annual

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	8.00	5.00
tblConstructionPhase	NumDays	18.00	2.00
tblConstructionPhase	NumDays	230.00	132.00
tblConstructionPhase	NumDays	18.00	132.00
tblGrading	AcresOfGrading	2.50	3.80
tblGrading	MaterialExported	0.00	150.00
tblGrading	MaterialImported	0.00	150.00
tblLandUse	LandUseSquareFeet	69,190.00	69,192.00
tblLandUse	LotAcreage	1.59	3.49
tblProjectCharacteristics	CO2IntensityFactor	641.35	281.31
tblVehicleTrips	ST_TR	1.68	1.73
tblVehicleTrips	SU_TR	1.68	1.73
tblVehicleTrips	WD_TR	1.68	1.73

## 2.0 Emissions Summary

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2020	3-31-2020	1.0224	1.0224
2	4-1-2020	6-30-2020	0.9953	0.9953
3	7-1-2020	9-30-2020	0.4858	0.4858
		Highest	1.0224	1.0224

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	0.3076	1.0000e-005	9.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.8400e-003	1.8400e-003	0.0000	0.0000	1.9700e-003
Energy	1.2900e-003	0.0118	9.8900e-003	7.0000e-005		8.9000e-004	8.9000e-004		8.9000e-004	8.9000e-004	0.0000	44.5859	44.5859	3.5200e-003	9.1000e-004	44.9458
Mobile	0.0350	0.1768	0.4297	1.5200e-003	0.1301	1.4100e-003	0.1315	0.0349	1.3200e-003	0.0362	0.0000	139.8510	139.8510	5.0600e-003	0.0000	139.9776
Waste						0.0000	0.0000		0.0000	0.0000	13.2025	0.0000	13.2025	0.7803	0.0000	32.7087
Water						0.0000	0.0000		0.0000	0.0000	5.0761	11.0472	16.1234	0.5225	0.0126	32.9248
<b>Total</b>	<b>0.3438</b>	<b>0.1886</b>	<b>0.4405</b>	<b>1.5900e-003</b>	<b>0.1301</b>	<b>2.3000e-003</b>	<b>0.1324</b>	<b>0.0349</b>	<b>2.2100e-003</b>	<b>0.0371</b>	<b>18.2787</b>	<b>195.4859</b>	<b>213.7645</b>	<b>1.3113</b>	<b>0.0135</b>	<b>250.5588</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	0.3076	1.0000e-005	9.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.8400e-003	1.8400e-003	0.0000	0.0000	1.9700e-003
Energy	1.2900e-003	0.0118	9.8900e-003	7.0000e-005		8.9000e-004	8.9000e-004		8.9000e-004	8.9000e-004	0.0000	44.5859	44.5859	3.5200e-003	9.1000e-004	44.9458
Mobile	0.0350	0.1768	0.4297	1.5200e-003	0.1301	1.4100e-003	0.1315	0.0349	1.3200e-003	0.0362	0.0000	139.8510	139.8510	5.0600e-003	0.0000	139.9776
Waste						0.0000	0.0000		0.0000	0.0000	13.2025	0.0000	13.2025	0.7803	0.0000	32.7087
Water						0.0000	0.0000		0.0000	0.0000	5.0761	11.0472	16.1234	0.5225	0.0126	32.9248
<b>Total</b>	<b>0.3438</b>	<b>0.1886</b>	<b>0.4405</b>	<b>1.5900e-003</b>	<b>0.1301</b>	<b>2.3000e-003</b>	<b>0.1324</b>	<b>0.0349</b>	<b>2.2100e-003</b>	<b>0.0371</b>	<b>18.2787</b>	<b>195.4859</b>	<b>213.7645</b>	<b>1.3113</b>	<b>0.0135</b>	<b>250.5588</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**

## Old Bayshore - Bay Area AQMD Air District, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2020	1/28/2020	5	20	
2	Grading	Grading	1/29/2020	2/4/2020	5	5	
3	Paving	Paving	2/5/2020	2/6/2020	5	2	
4	Building Construction	Building Construction	2/7/2020	8/10/2020	5	132	
5	Architectural Coating	Architectural Coating	2/21/2020	8/24/2020	5	132	

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

**Acres of Grading (Grading Phase): 3.8**

**Acres of Paving: 0.31**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 103,788; Non-Residential Outdoor: 34,596; Striped Parking Area: 816 (Architectural Coating – sqft)**

**OffRoad Equipment**



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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
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	Tractors/Loaders/Backhoes	3	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
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	104.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	30.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	35.00	14.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	7.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0113	0.0000	0.0113	1.7100e-003	0.0000	1.7100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0331	0.3320	0.2175	3.9000e-004		0.0166	0.0166		0.0154	0.0154	0.0000	33.9986	33.9986	9.6000e-003	0.0000	34.2386
<b>Total</b>	<b>0.0331</b>	<b>0.3320</b>	<b>0.2175</b>	<b>3.9000e-004</b>	<b>0.0113</b>	<b>0.0166</b>	<b>0.0279</b>	<b>1.7100e-003</b>	<b>0.0154</b>	<b>0.0171</b>	<b>0.0000</b>	<b>33.9986</b>	<b>33.9986</b>	<b>9.6000e-003</b>	<b>0.0000</b>	<b>34.2386</b>

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**3.2 Demolition - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.3000e-004	0.0152	3.0600e-003	4.0000e-005	8.8000e-004	5.0000e-005	9.3000e-004	2.4000e-004	5.0000e-005	2.9000e-004	0.0000	3.9851	3.9851	2.1000e-004	0.0000	3.9903
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-004	3.6000e-004	3.6800e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.1900e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.0384	1.0384	3.0000e-005	0.0000	1.0391
<b>Total</b>	<b>9.3000e-004</b>	<b>0.0156</b>	<b>6.7400e-003</b>	<b>5.0000e-005</b>	<b>2.0700e-003</b>	<b>6.0000e-005</b>	<b>2.1200e-003</b>	<b>5.6000e-004</b>	<b>6.0000e-005</b>	<b>6.1000e-004</b>	<b>0.0000</b>	<b>5.0236</b>	<b>5.0236</b>	<b>2.4000e-004</b>	<b>0.0000</b>	<b>5.0293</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					0.0113	0.0000	0.0113	1.7100e-003	0.0000	1.7100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0331	0.3320	0.2175	3.9000e-004		0.0166	0.0166		0.0154	0.0154	0.0000	33.9986	33.9986	9.6000e-003	0.0000	34.2385
<b>Total</b>	<b>0.0331</b>	<b>0.3320</b>	<b>0.2175</b>	<b>3.9000e-004</b>	<b>0.0113</b>	<b>0.0166</b>	<b>0.0279</b>	<b>1.7100e-003</b>	<b>0.0154</b>	<b>0.0171</b>	<b>0.0000</b>	<b>33.9986</b>	<b>33.9986</b>	<b>9.6000e-003</b>	<b>0.0000</b>	<b>34.2385</b>

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**3.2 Demolition - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.3000e-004	0.0152	3.0600e-003	4.0000e-005	8.8000e-004	5.0000e-005	9.3000e-004	2.4000e-004	5.0000e-005	2.9000e-004	0.0000	3.9851	3.9851	2.1000e-004	0.0000	3.9903
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-004	3.6000e-004	3.6800e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.1900e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.0384	1.0384	3.0000e-005	0.0000	1.0391
<b>Total</b>	<b>9.3000e-004</b>	<b>0.0156</b>	<b>6.7400e-003</b>	<b>5.0000e-005</b>	<b>2.0700e-003</b>	<b>6.0000e-005</b>	<b>2.1200e-003</b>	<b>5.6000e-004</b>	<b>6.0000e-005</b>	<b>6.1000e-004</b>	<b>0.0000</b>	<b>5.0236</b>	<b>5.0236</b>	<b>2.4000e-004</b>	<b>0.0000</b>	<b>5.0293</b>

**3.3 Grading - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0171	0.0000	0.0171	8.5000e-003	0.0000	8.5000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0700e-003	0.0660	0.0401	7.0000e-005		3.1800e-003	3.1800e-003		2.9300e-003	2.9300e-003	0.0000	6.5147	6.5147	2.1100e-003	0.0000	6.5674
<b>Total</b>	<b>6.0700e-003</b>	<b>0.0660</b>	<b>0.0401</b>	<b>7.0000e-005</b>	<b>0.0171</b>	<b>3.1800e-003</b>	<b>0.0203</b>	<b>8.5000e-003</b>	<b>2.9300e-003</b>	<b>0.0114</b>	<b>0.0000</b>	<b>6.5147</b>	<b>6.5147</b>	<b>2.1100e-003</b>	<b>0.0000</b>	<b>6.5674</b>

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**3.3 Grading - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.3000e-004	4.3900e-003	8.8000e-004	1.0000e-005	2.5000e-004	1.0000e-005	2.7000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	1.1496	1.1496	6.0000e-005	0.0000	1.1510
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	1.2000e-004	9.0000e-005	9.2000e-004	0.0000	3.0000e-004	0.0000	3.0000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2596	0.2596	1.0000e-005	0.0000	0.2598
<b>Total</b>	<b>2.5000e-004</b>	<b>4.4800e-003</b>	<b>1.8000e-003</b>	<b>1.0000e-005</b>	<b>5.5000e-004</b>	<b>1.0000e-005</b>	<b>5.7000e-004</b>	<b>1.5000e-004</b>	<b>1.0000e-005</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>1.4092</b>	<b>1.4092</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>1.4108</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					0.0171	0.0000	0.0171	8.5000e-003	0.0000	8.5000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0700e-003	0.0660	0.0401	7.0000e-005		3.1800e-003	3.1800e-003		2.9300e-003	2.9300e-003	0.0000	6.5147	6.5147	2.1100e-003	0.0000	6.5674
<b>Total</b>	<b>6.0700e-003</b>	<b>0.0660</b>	<b>0.0401</b>	<b>7.0000e-005</b>	<b>0.0171</b>	<b>3.1800e-003</b>	<b>0.0203</b>	<b>8.5000e-003</b>	<b>2.9300e-003</b>	<b>0.0114</b>	<b>0.0000</b>	<b>6.5147</b>	<b>6.5147</b>	<b>2.1100e-003</b>	<b>0.0000</b>	<b>6.5674</b>

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**3.3 Grading - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.3000e-004	4.3900e-003	8.8000e-004	1.0000e-005	2.5000e-004	1.0000e-005	2.7000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	1.1496	1.1496	6.0000e-005	0.0000	1.1510
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	1.2000e-004	9.0000e-005	9.2000e-004	0.0000	3.0000e-004	0.0000	3.0000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2596	0.2596	1.0000e-005	0.0000	0.2598
<b>Total</b>	<b>2.5000e-004</b>	<b>4.4800e-003</b>	<b>1.8000e-003</b>	<b>1.0000e-005</b>	<b>5.5000e-004</b>	<b>1.0000e-005</b>	<b>5.7000e-004</b>	<b>1.5000e-004</b>	<b>1.0000e-005</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>1.4092</b>	<b>1.4092</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>1.4108</b>

**3.4 Paving - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.1800e-003	0.0118	0.0123	2.0000e-005		6.5000e-004	6.5000e-004		6.0000e-004	6.0000e-004	0.0000	1.6372	1.6372	5.1000e-004	0.0000	1.6501
Paving	4.1000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>1.5900e-003</b>	<b>0.0118</b>	<b>0.0123</b>	<b>2.0000e-005</b>		<b>6.5000e-004</b>	<b>6.5000e-004</b>		<b>6.0000e-004</b>	<b>6.0000e-004</b>	<b>0.0000</b>	<b>1.6372</b>	<b>1.6372</b>	<b>5.1000e-004</b>	<b>0.0000</b>	<b>1.6501</b>

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**3.4 Paving - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	5.0000e-005	4.9000e-004	0.0000	1.6000e-004	0.0000	1.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1385	0.1385	0.0000	0.0000	0.1385
<b>Total</b>	<b>7.0000e-005</b>	<b>5.0000e-005</b>	<b>4.9000e-004</b>	<b>0.0000</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>1.6000e-004</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.1385</b>	<b>0.1385</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.1385</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	1.1800e-003	0.0118	0.0123	2.0000e-005		6.5000e-004	6.5000e-004		6.0000e-004	6.0000e-004	0.0000	1.6372	1.6372	5.1000e-004	0.0000	1.6501
Paving	4.1000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>1.5900e-003</b>	<b>0.0118</b>	<b>0.0123</b>	<b>2.0000e-005</b>		<b>6.5000e-004</b>	<b>6.5000e-004</b>		<b>6.0000e-004</b>	<b>6.0000e-004</b>	<b>0.0000</b>	<b>1.6372</b>	<b>1.6372</b>	<b>5.1000e-004</b>	<b>0.0000</b>	<b>1.6501</b>

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**3.4 Paving - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	5.0000e-005	4.9000e-004	0.0000	1.6000e-004	0.0000	1.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1385	0.1385	0.0000	0.0000	0.1385
<b>Total</b>	<b>7.0000e-005</b>	<b>5.0000e-005</b>	<b>4.9000e-004</b>	<b>0.0000</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>1.6000e-004</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.1385</b>	<b>0.1385</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.1385</b>

**3.5 Building Construction - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1399	1.2663	1.1120	1.7800e-003		0.0737	0.0737		0.0693	0.0693	0.0000	152.8626	152.8626	0.0373	0.0000	153.7949
<b>Total</b>	<b>0.1399</b>	<b>1.2663</b>	<b>1.1120</b>	<b>1.7800e-003</b>		<b>0.0737</b>	<b>0.0737</b>		<b>0.0693</b>	<b>0.0693</b>	<b>0.0000</b>	<b>152.8626</b>	<b>152.8626</b>	<b>0.0373</b>	<b>0.0000</b>	<b>153.7949</b>



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**3.5 Building Construction - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.5800e-003	0.1066	0.0268	2.5000e-004	6.0600e-003	5.2000e-004	6.5800e-003	1.7500e-003	5.0000e-004	2.2500e-003	0.0000	24.1921	24.1921	1.2500e-003	0.0000	24.2233
Worker	7.6600e-003	5.4800e-003	0.0567	1.8000e-004	0.0183	1.2000e-004	0.0184	4.8600e-003	1.1000e-004	4.9700e-003	0.0000	15.9917	15.9917	3.9000e-004	0.0000	16.0014
<b>Total</b>	<b>0.0112</b>	<b>0.1121</b>	<b>0.0835</b>	<b>4.3000e-004</b>	<b>0.0243</b>	<b>6.4000e-004</b>	<b>0.0250</b>	<b>6.6100e-003</b>	<b>6.1000e-004</b>	<b>7.2200e-003</b>	<b>0.0000</b>	<b>40.1838</b>	<b>40.1838</b>	<b>1.6400e-003</b>	<b>0.0000</b>	<b>40.2247</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	0.1399	1.2663	1.1120	1.7800e-003		0.0737	0.0737		0.0693	0.0693	0.0000	152.8624	152.8624	0.0373	0.0000	153.7947
<b>Total</b>	<b>0.1399</b>	<b>1.2663</b>	<b>1.1120</b>	<b>1.7800e-003</b>		<b>0.0737</b>	<b>0.0737</b>		<b>0.0693</b>	<b>0.0693</b>	<b>0.0000</b>	<b>152.8624</b>	<b>152.8624</b>	<b>0.0373</b>	<b>0.0000</b>	<b>153.7947</b>

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**3.5 Building Construction - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.5800e-003	0.1066	0.0268	2.5000e-004	6.0600e-003	5.2000e-004	6.5800e-003	1.7500e-003	5.0000e-004	2.2500e-003	0.0000	24.1921	24.1921	1.2500e-003	0.0000	24.2233
Worker	7.6600e-003	5.4800e-003	0.0567	1.8000e-004	0.0183	1.2000e-004	0.0184	4.8600e-003	1.1000e-004	4.9700e-003	0.0000	15.9917	15.9917	3.9000e-004	0.0000	16.0014
<b>Total</b>	<b>0.0112</b>	<b>0.1121</b>	<b>0.0835</b>	<b>4.3000e-004</b>	<b>0.0243</b>	<b>6.4000e-004</b>	<b>0.0250</b>	<b>6.6100e-003</b>	<b>6.1000e-004</b>	<b>7.2200e-003</b>	<b>0.0000</b>	<b>40.1838</b>	<b>40.1838</b>	<b>1.6400e-003</b>	<b>0.0000</b>	<b>40.2247</b>

**3.6 Architectural Coating - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3636					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0160	0.1111	0.1209	2.0000e-004		7.3200e-003	7.3200e-003		7.3200e-003	7.3200e-003	0.0000	16.8515	16.8515	1.3000e-003	0.0000	16.8841
<b>Total</b>	<b>0.3796</b>	<b>0.1111</b>	<b>0.1209</b>	<b>2.0000e-004</b>		<b>7.3200e-003</b>	<b>7.3200e-003</b>		<b>7.3200e-003</b>	<b>7.3200e-003</b>	<b>0.0000</b>	<b>16.8515</b>	<b>16.8515</b>	<b>1.3000e-003</b>	<b>0.0000</b>	<b>16.8841</b>

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**3.6 Architectural Coating - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5300e-003	1.1000e-003	0.0114	4.0000e-005	3.6500e-003	2.0000e-005	3.6800e-003	9.7000e-004	2.0000e-005	9.9000e-004	0.0000	3.1983	3.1983	8.0000e-005	0.0000	3.2003
<b>Total</b>	<b>1.5300e-003</b>	<b>1.1000e-003</b>	<b>0.0114</b>	<b>4.0000e-005</b>	<b>3.6500e-003</b>	<b>2.0000e-005</b>	<b>3.6800e-003</b>	<b>9.7000e-004</b>	<b>2.0000e-005</b>	<b>9.9000e-004</b>	<b>0.0000</b>	<b>3.1983</b>	<b>3.1983</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>3.2003</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	0.3636					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0160	0.1111	0.1209	2.0000e-004		7.3200e-003	7.3200e-003		7.3200e-003	7.3200e-003	0.0000	16.8515	16.8515	1.3000e-003	0.0000	16.8841
<b>Total</b>	<b>0.3796</b>	<b>0.1111</b>	<b>0.1209</b>	<b>2.0000e-004</b>		<b>7.3200e-003</b>	<b>7.3200e-003</b>		<b>7.3200e-003</b>	<b>7.3200e-003</b>	<b>0.0000</b>	<b>16.8515</b>	<b>16.8515</b>	<b>1.3000e-003</b>	<b>0.0000</b>	<b>16.8841</b>

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**3.6 Architectural Coating - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5300e-003	1.1000e-003	0.0114	4.0000e-005	3.6500e-003	2.0000e-005	3.6800e-003	9.7000e-004	2.0000e-005	9.9000e-004	0.0000	3.1983	3.1983	8.0000e-005	0.0000	3.2003
<b>Total</b>	<b>1.5300e-003</b>	<b>1.1000e-003</b>	<b>0.0114</b>	<b>4.0000e-005</b>	<b>3.6500e-003</b>	<b>2.0000e-005</b>	<b>3.6800e-003</b>	<b>9.7000e-004</b>	<b>2.0000e-005</b>	<b>9.9000e-004</b>	<b>0.0000</b>	<b>3.1983</b>	<b>3.1983</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>3.2003</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	0.0350	0.1768	0.4297	1.5200e-003	0.1301	1.4100e-003	0.1315	0.0349	1.3200e-003	0.0362	0.0000	139.8510	139.8510	5.0600e-003	0.0000	139.9776
Unmitigated	0.0350	0.1768	0.4297	1.5200e-003	0.1301	1.4100e-003	0.1315	0.0349	1.3200e-003	0.0362	0.0000	139.8510	139.8510	5.0600e-003	0.0000	139.9776

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	119.70	119.70	119.70	349,462	349,462
Total	119.70	119.70	119.70	349,462	349,462

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
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No Rail	9.50	7.30	7.30	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.575198	0.040076	0.193827	0.113296	0.016988	0.005361	0.017552	0.025197	0.002581	0.002349	0.005904	0.000881	0.000789
Unrefrigerated Warehouse-No Rail	0.575198	0.040076	0.193827	0.113296	0.016988	0.005361	0.017552	0.025197	0.002581	0.002349	0.005904	0.000881	0.000789

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**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	31.7734	31.7734	3.2800e-003	6.8000e-004	32.0573
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	31.7734	31.7734	3.2800e-003	6.8000e-004	32.0573
NaturalGas Mitigated	1.2900e-003	0.0118	9.8900e-003	7.0000e-005		8.9000e-004	8.9000e-004		8.9000e-004	8.9000e-004	0.0000	12.8125	12.8125	2.5000e-004	2.3000e-004	12.8886
NaturalGas Unmitigated	1.2900e-003	0.0118	9.8900e-003	7.0000e-005		8.9000e-004	8.9000e-004		8.9000e-004	8.9000e-004	0.0000	12.8125	12.8125	2.5000e-004	2.3000e-004	12.8886

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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					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	240096	1.2900e-003	0.0118	9.8900e-003	7.0000e-005		8.9000e-004	8.9000e-004		8.9000e-004	8.9000e-004	0.0000	12.8125	12.8125	2.5000e-004	2.3000e-004	12.8886
<b>Total</b>		<b>1.2900e-003</b>	<b>0.0118</b>	<b>9.8900e-003</b>	<b>7.0000e-005</b>		<b>8.9000e-004</b>	<b>8.9000e-004</b>		<b>8.9000e-004</b>	<b>8.9000e-004</b>	<b>0.0000</b>	<b>12.8125</b>	<b>12.8125</b>	<b>2.5000e-004</b>	<b>2.3000e-004</b>	<b>12.8886</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					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	240096	1.2900e-003	0.0118	9.8900e-003	7.0000e-005		8.9000e-004	8.9000e-004		8.9000e-004	8.9000e-004	0.0000	12.8125	12.8125	2.5000e-004	2.3000e-004	12.8886
<b>Total</b>		<b>1.2900e-003</b>	<b>0.0118</b>	<b>9.8900e-003</b>	<b>7.0000e-005</b>		<b>8.9000e-004</b>	<b>8.9000e-004</b>		<b>8.9000e-004</b>	<b>8.9000e-004</b>	<b>0.0000</b>	<b>12.8125</b>	<b>12.8125</b>	<b>2.5000e-004</b>	<b>2.3000e-004</b>	<b>12.8886</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			
Parking Lot	4760	0.6074	6.0000e-005	1.0000e-005	0.6128
Unrefrigerated Warehouse-No Rail	244248	31.1660	3.2100e-003	6.6000e-004	31.4444
<b>Total</b>		<b>31.7734</b>	<b>3.2700e-003</b>	<b>6.7000e-004</b>	<b>32.0572</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	4760	0.6074	6.0000e-005	1.0000e-005	0.6128
Unrefrigerated Warehouse-No Rail	244248	31.1660	3.2100e-003	6.6000e-004	31.4444
<b>Total</b>		<b>31.7734</b>	<b>3.2700e-003</b>	<b>6.7000e-004</b>	<b>32.0572</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**



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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.3076	1.0000e-005	9.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.8400e-003	1.8400e-003	0.0000	0.0000	1.9700e-003
Unmitigated	0.3076	1.0000e-005	9.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.8400e-003	1.8400e-003	0.0000	0.0000	1.9700e-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	0.0364					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2711					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	9.0000e-005	1.0000e-005	9.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.8400e-003	1.8400e-003	0.0000	0.0000	1.9700e-003
<b>Total</b>	<b>0.3076</b>	<b>1.0000e-005</b>	<b>9.5000e-004</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>1.8400e-003</b>	<b>1.8400e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.9700e-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	0.0364					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2711					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	9.0000e-005	1.0000e-005	9.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.8400e-003	1.8400e-003	0.0000	0.0000	1.9700e-003
<b>Total</b>	<b>0.3076</b>	<b>1.0000e-005</b>	<b>9.5000e-004</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>1.8400e-003</b>	<b>1.8400e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.9700e-003</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

Old Bayshore - Bay Area AQMD Air District, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	16.1234	0.5225	0.0126	32.9248
Unmitigated	16.1234	0.5225	0.0126	32.9248

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	16.0002 / 0	16.1234	0.5225	0.0126	32.9248
<b>Total</b>		<b>16.1234</b>	<b>0.5225</b>	<b>0.0126</b>	<b>32.9248</b>

Old Bayshore - 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			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	16.0002 / 0	16.1234	0.5225	0.0126	32.9248
<b>Total</b>		<b>16.1234</b>	<b>0.5225</b>	<b>0.0126</b>	<b>32.9248</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	13.2025	0.7803	0.0000	32.7087
Unmitigated	13.2025	0.7803	0.0000	32.7087

Old Bayshore - Bay Area AQMD Air District, Annual

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	65.04	13.2025	0.7803	0.0000	32.7087
<b>Total</b>		<b>13.2025</b>	<b>0.7803</b>	<b>0.0000</b>	<b>32.7087</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	65.04	13.2025	0.7803	0.0000	32.7087
<b>Total</b>		<b>13.2025</b>	<b>0.7803</b>	<b>0.0000</b>	<b>32.7087</b>

**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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## Old Bayshore - Bay Area AQMD Air District, Annual

**10.0 Stationary Equipment**

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**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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Old Bayshore - Bay Area AQMD Air District, Summer

**Old Bayshore**  
**Bay Area AQMD Air District, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	69.19	1000sqft	3.49	69,192.00	0
Parking Lot	34.00	Space	0.31	13,600.00	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>	4			<b>Operational Year</b>	2021
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MW hr)</b>	281.31	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

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

Project Characteristics - CO2 intensity adjusted per PG&E progress towards RPS

Land Use - Project Information

Construction Phase - Applicant Provided Information

Demolition -

Grading - Applicant Provided Information

Vehicle Trips - Based on Fehr and Peers trip report

## Old Bayshore - Bay Area AQMD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	8.00	5.00
tblConstructionPhase	NumDays	18.00	2.00
tblConstructionPhase	NumDays	230.00	132.00
tblConstructionPhase	NumDays	18.00	132.00
tblGrading	AcresOfGrading	2.50	3.80
tblGrading	MaterialExported	0.00	150.00
tblGrading	MaterialImported	0.00	150.00
tblLandUse	LandUseSquareFeet	69,190.00	69,192.00
tblLandUse	LotAcreage	1.59	3.49
tblProjectCharacteristics	CO2IntensityFactor	641.35	281.31
tblVehicleTrips	ST_TR	1.68	1.73
tblVehicleTrips	SU_TR	1.68	1.73
tblVehicleTrips	WD_TR	1.68	1.73

## 2.0 Emissions Summary

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Old Bayshore - 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	1.6858	1.0000e-004	0.0106	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0226	0.0226	6.0000e-005		0.0241
Energy	7.0900e-003	0.0645	0.0542	3.9000e-004		4.9000e-003	4.9000e-003		4.9000e-003	4.9000e-003		77.3880	77.3880	1.4800e-003	1.4200e-003	77.8479
Mobile	0.2178	0.9376	2.4824	8.8800e-003	0.7425	7.7300e-003	0.7502	0.1987	7.2400e-003	0.2059		896.9150	896.9150	0.0311		897.6915
<b>Total</b>	<b>1.9106</b>	<b>1.0022</b>	<b>2.5472</b>	<b>9.2700e-003</b>	<b>0.7425</b>	<b>0.0127</b>	<b>0.7552</b>	<b>0.1987</b>	<b>0.0122</b>	<b>0.2109</b>		<b>974.3256</b>	<b>974.3256</b>	<b>0.0326</b>	<b>1.4200e-003</b>	<b>975.5635</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	1.6858	1.0000e-004	0.0106	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0226	0.0226	6.0000e-005		0.0241
Energy	7.0900e-003	0.0645	0.0542	3.9000e-004		4.9000e-003	4.9000e-003		4.9000e-003	4.9000e-003		77.3880	77.3880	1.4800e-003	1.4200e-003	77.8479
Mobile	0.2178	0.9376	2.4824	8.8800e-003	0.7425	7.7300e-003	0.7502	0.1987	7.2400e-003	0.2059		896.9150	896.9150	0.0311		897.6915
<b>Total</b>	<b>1.9106</b>	<b>1.0022</b>	<b>2.5472</b>	<b>9.2700e-003</b>	<b>0.7425</b>	<b>0.0127</b>	<b>0.7552</b>	<b>0.1987</b>	<b>0.0122</b>	<b>0.2109</b>		<b>974.3256</b>	<b>974.3256</b>	<b>0.0326</b>	<b>1.4200e-003</b>	<b>975.5635</b>

## Old Bayshore - 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

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#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2020	1/28/2020	5	20	
2	Grading	Grading	1/29/2020	2/4/2020	5	5	
3	Paving	Paving	2/5/2020	2/6/2020	5	2	
4	Building Construction	Building Construction	2/7/2020	8/10/2020	5	132	
5	Architectural Coating	Architectural Coating	2/21/2020	8/24/2020	5	132	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 3.8

Acres of Paving: 0.31

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 103,788; Non-Residential Outdoor: 34,596; Striped Parking Area: 816 (Architectural Coating – sqft)

#### OffRoad Equipment

## Old Bayshore - Bay Area AQMD Air District, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
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	Tractors/Loaders/Backhoes	3	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
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

Old Bayshore - Bay Area AQMD Air District, Summer

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	104.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	30.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	35.00	14.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	7.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.1266	0.0000	1.1266	0.1706	0.0000	0.1706			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
<b>Total</b>	<b>3.3121</b>	<b>33.2010</b>	<b>21.7532</b>	<b>0.0388</b>	<b>1.1266</b>	<b>1.6587</b>	<b>2.7853</b>	<b>0.1706</b>	<b>1.5419</b>	<b>1.7124</b>		<b>3,747.7049</b>	<b>3,747.7049</b>	<b>1.0580</b>		<b>3,774.1536</b>

Old Bayshore - Bay Area AQMD Air District, Summer

**3.2 Demolition - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0429	1.4895	0.2960	4.1400e-003	0.0908	4.8700e-003	0.0957	0.0249	4.6600e-003	0.0296		442.4074	442.4074	0.0221		442.9607
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0521	0.0316	0.4025	1.2400e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		123.1165	123.1165	2.9700e-003		123.1907
<b>Total</b>	<b>0.0951</b>	<b>1.5211</b>	<b>0.6985</b>	<b>5.3800e-003</b>	<b>0.2141</b>	<b>5.6700e-003</b>	<b>0.2197</b>	<b>0.0576</b>	<b>5.4000e-003</b>	<b>0.0630</b>		<b>565.5239</b>	<b>565.5239</b>	<b>0.0251</b>		<b>566.1514</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					1.1266	0.0000	1.1266	0.1706	0.0000	0.1706			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
<b>Total</b>	<b>3.3121</b>	<b>33.2010</b>	<b>21.7532</b>	<b>0.0388</b>	<b>1.1266</b>	<b>1.6587</b>	<b>2.7853</b>	<b>0.1706</b>	<b>1.5419</b>	<b>1.7124</b>	<b>0.0000</b>	<b>3,747.7049</b>	<b>3,747.7049</b>	<b>1.0580</b>		<b>3,774.1536</b>

Old Bayshore - Bay Area AQMD Air District, Summer

**3.2 Demolition - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0429	1.4895	0.2960	4.1400e-003	0.0908	4.8700e-003	0.0957	0.0249	4.6600e-003	0.0296		442.4074	442.4074	0.0221		442.9607
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0521	0.0316	0.4025	1.2400e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		123.1165	123.1165	2.9700e-003		123.1907
<b>Total</b>	<b>0.0951</b>	<b>1.5211</b>	<b>0.6985</b>	<b>5.3800e-003</b>	<b>0.2141</b>	<b>5.6700e-003</b>	<b>0.2197</b>	<b>0.0576</b>	<b>5.4000e-003</b>	<b>0.0630</b>		<b>565.5239</b>	<b>565.5239</b>	<b>0.0251</b>		<b>566.1514</b>

**3.3 Grading - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.8334	0.0000	6.8334	3.3981	0.0000	3.3981			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716		2,872.4851	2,872.4851	0.9290		2,895.7106
<b>Total</b>	<b>2.4288</b>	<b>26.3859</b>	<b>16.0530</b>	<b>0.0297</b>	<b>6.8334</b>	<b>1.2734</b>	<b>8.1069</b>	<b>3.3981</b>	<b>1.1716</b>	<b>4.5696</b>		<b>2,872.4851</b>	<b>2,872.4851</b>	<b>0.9290</b>		<b>2,895.7106</b>

Old Bayshore - Bay Area AQMD Air District, Summer

**3.3 Grading - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0495	1.7187	0.3416	4.7700e-003	0.1048	5.6200e-003	0.1104	0.0287	5.3700e-003	0.0341		510.4701	510.4701	0.0255		511.1085
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0521	0.0316	0.4025	1.2400e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		123.1165	123.1165	2.9700e-003		123.1907
<b>Total</b>	<b>0.1017</b>	<b>1.7502</b>	<b>0.7440</b>	<b>6.0100e-003</b>	<b>0.2280</b>	<b>6.4200e-003</b>	<b>0.2345</b>	<b>0.0614</b>	<b>6.1100e-003</b>	<b>0.0675</b>		<b>633.5866</b>	<b>633.5866</b>	<b>0.0285</b>		<b>634.2992</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.8334	0.0000	6.8334	3.3981	0.0000	3.3981			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716	0.0000	2,872.4851	2,872.4851	0.9290		2,895.7106
<b>Total</b>	<b>2.4288</b>	<b>26.3859</b>	<b>16.0530</b>	<b>0.0297</b>	<b>6.8334</b>	<b>1.2734</b>	<b>8.1069</b>	<b>3.3981</b>	<b>1.1716</b>	<b>4.5696</b>	<b>0.0000</b>	<b>2,872.4851</b>	<b>2,872.4851</b>	<b>0.9290</b>		<b>2,895.7106</b>



Old Bayshore - Bay Area AQMD Air District, Summer

**3.3 Grading - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0495	1.7187	0.3416	4.7700e-003	0.1048	5.6200e-003	0.1104	0.0287	5.3700e-003	0.0341		510.4701	510.4701	0.0255		511.1085
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0521	0.0316	0.4025	1.2400e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		123.1165	123.1165	2.9700e-003		123.1907
<b>Total</b>	<b>0.1017</b>	<b>1.7502</b>	<b>0.7440</b>	<b>6.0100e-003</b>	<b>0.2280</b>	<b>6.4200e-003</b>	<b>0.2345</b>	<b>0.0614</b>	<b>6.1100e-003</b>	<b>0.0675</b>		<b>633.5866</b>	<b>633.5866</b>	<b>0.0285</b>		<b>634.2992</b>

**3.4 Paving - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1837	11.8015	12.2823	0.0189		0.6509	0.6509		0.6005	0.6005		1,804.7070	1,804.7070	0.5670		1,818.8830
Paving	0.4061					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.5898</b>	<b>11.8015</b>	<b>12.2823</b>	<b>0.0189</b>		<b>0.6509</b>	<b>0.6509</b>		<b>0.6005</b>	<b>0.6005</b>		<b>1,804.7070</b>	<b>1,804.7070</b>	<b>0.5670</b>		<b>1,818.8830</b>

Old Bayshore - Bay Area AQMD Air District, Summer

**3.4 Paving - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0695	0.0421	0.5366	1.6500e-003	0.1643	1.0600e-003	0.1654	0.0436	9.8000e-004	0.0446		164.1553	164.1553	3.9600e-003		164.2542
<b>Total</b>	<b>0.0695</b>	<b>0.0421</b>	<b>0.5366</b>	<b>1.6500e-003</b>	<b>0.1643</b>	<b>1.0600e-003</b>	<b>0.1654</b>	<b>0.0436</b>	<b>9.8000e-004</b>	<b>0.0446</b>		<b>164.1553</b>	<b>164.1553</b>	<b>3.9600e-003</b>		<b>164.2542</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	1.1837	11.8015	12.2823	0.0189		0.6509	0.6509		0.6005	0.6005	0.0000	1,804.7070	1,804.7070	0.5670		1,818.8830
Paving	0.4061					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.5898</b>	<b>11.8015</b>	<b>12.2823</b>	<b>0.0189</b>		<b>0.6509</b>	<b>0.6509</b>		<b>0.6005</b>	<b>0.6005</b>	<b>0.0000</b>	<b>1,804.7070</b>	<b>1,804.7070</b>	<b>0.5670</b>		<b>1,818.8830</b>

Old Bayshore - Bay Area AQMD Air District, Summer

**3.4 Paving - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0695	0.0421	0.5366	1.6500e-003	0.1643	1.0600e-003	0.1654	0.0436	9.8000e-004	0.0446		164.1553	164.1553	3.9600e-003		164.2542
<b>Total</b>	<b>0.0695</b>	<b>0.0421</b>	<b>0.5366</b>	<b>1.6500e-003</b>	<b>0.1643</b>	<b>1.0600e-003</b>	<b>0.1654</b>	<b>0.0436</b>	<b>9.8000e-004</b>	<b>0.0446</b>		<b>164.1553</b>	<b>164.1553</b>	<b>3.9600e-003</b>		<b>164.2542</b>

**3.5 Building Construction - 2020**

**Unmitigated Construction On-Site**

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

Old Bayshore - Bay Area AQMD Air District, Summer

**3.5 Building Construction - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0531	1.5955	0.3806	3.8600e-003	0.0948	7.8200e-003	0.1026	0.0273	7.4800e-003	0.0348		408.3913	408.3913	0.0201		408.8941
Worker	0.1217	0.0737	0.9391	2.8800e-003	0.2875	1.8600e-003	0.2894	0.0763	1.7200e-003	0.0780		287.2718	287.2718	6.9200e-003		287.4449
<b>Total</b>	<b>0.1747</b>	<b>1.6691</b>	<b>1.3196</b>	<b>6.7400e-003</b>	<b>0.3823</b>	<b>9.6800e-003</b>	<b>0.3920</b>	<b>0.1035</b>	<b>9.2000e-003</b>	<b>0.1127</b>		<b>695.6631</b>	<b>695.6631</b>	<b>0.0270</b>		<b>696.3389</b>

**Mitigated Construction On-Site**

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

Old Bayshore - Bay Area AQMD Air District, Summer

**3.5 Building Construction - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0531	1.5955	0.3806	3.8600e-003	0.0948	7.8200e-003	0.1026	0.0273	7.4800e-003	0.0348		408.3913	408.3913	0.0201		408.8941
Worker	0.1217	0.0737	0.9391	2.8800e-003	0.2875	1.8600e-003	0.2894	0.0763	1.7200e-003	0.0780		287.2718	287.2718	6.9200e-003		287.4449
<b>Total</b>	<b>0.1747</b>	<b>1.6691</b>	<b>1.3196</b>	<b>6.7400e-003</b>	<b>0.3823</b>	<b>9.6800e-003</b>	<b>0.3920</b>	<b>0.1035</b>	<b>9.2000e-003</b>	<b>0.1127</b>		<b>695.6631</b>	<b>695.6631</b>	<b>0.0270</b>		<b>696.3389</b>

**3.6 Architectural Coating - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.5095					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
<b>Total</b>	<b>5.7517</b>	<b>1.6838</b>	<b>1.8314</b>	<b>2.9700e-003</b>		<b>0.1109</b>	<b>0.1109</b>		<b>0.1109</b>	<b>0.1109</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0218</b>		<b>281.9928</b>

Old Bayshore - Bay Area AQMD Air District, Summer

**3.6 Architectural Coating - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0243	0.0147	0.1878	5.8000e-004	0.0575	3.7000e-004	0.0579	0.0153	3.4000e-004	0.0156		57.4544	57.4544	1.3800e-003		57.4890
<b>Total</b>	<b>0.0243</b>	<b>0.0147</b>	<b>0.1878</b>	<b>5.8000e-004</b>	<b>0.0575</b>	<b>3.7000e-004</b>	<b>0.0579</b>	<b>0.0153</b>	<b>3.4000e-004</b>	<b>0.0156</b>		<b>57.4544</b>	<b>57.4544</b>	<b>1.3800e-003</b>		<b>57.4890</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	5.5095					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
<b>Total</b>	<b>5.7517</b>	<b>1.6838</b>	<b>1.8314</b>	<b>2.9700e-003</b>		<b>0.1109</b>	<b>0.1109</b>		<b>0.1109</b>	<b>0.1109</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0218</b>		<b>281.9928</b>

Old Bayshore - Bay Area AQMD Air District, Summer

**3.6 Architectural Coating - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0243	0.0147	0.1878	5.8000e-004	0.0575	3.7000e-004	0.0579	0.0153	3.4000e-004	0.0156		57.4544	57.4544	1.3800e-003		57.4890
<b>Total</b>	<b>0.0243</b>	<b>0.0147</b>	<b>0.1878</b>	<b>5.8000e-004</b>	<b>0.0575</b>	<b>3.7000e-004</b>	<b>0.0579</b>	<b>0.0153</b>	<b>3.4000e-004</b>	<b>0.0156</b>		<b>57.4544</b>	<b>57.4544</b>	<b>1.3800e-003</b>		<b>57.4890</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

Old Bayshore - 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	0.2178	0.9376	2.4824	8.8800e-003	0.7425	7.7300e-003	0.7502	0.1987	7.2400e-003	0.2059		896.9150	896.9150	0.0311		897.6915
Unmitigated	0.2178	0.9376	2.4824	8.8800e-003	0.7425	7.7300e-003	0.7502	0.1987	7.2400e-003	0.2059		896.9150	896.9150	0.0311		897.6915

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	119.70	119.70	119.70	349,462	349,462
Total	119.70	119.70	119.70	349,462	349,462

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
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No Rail	9.50	7.30	7.30	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.575198	0.040076	0.193827	0.113296	0.016988	0.005361	0.017552	0.025197	0.002581	0.002349	0.005904	0.000881	0.000789
Unrefrigerated Warehouse-No Rail	0.575198	0.040076	0.193827	0.113296	0.016988	0.005361	0.017552	0.025197	0.002581	0.002349	0.005904	0.000881	0.000789



Old Bayshore - Bay Area AQMD Air District, Summer

**5.0 Energy Detail**

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Historical Energy Use: N

**5.1 Mitigation Measures Energy**

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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	lb/day										lb/day					
NaturalGas Mitigated	7.0900e-003	0.0645	0.0542	3.9000e-004		4.9000e-003	4.9000e-003		4.9000e-003	4.9000e-003		77.3880	77.3880	1.4800e-003	1.4200e-003	77.8479
NaturalGas Unmitigated	7.0900e-003	0.0645	0.0542	3.9000e-004		4.9000e-003	4.9000e-003		4.9000e-003	4.9000e-003		77.3880	77.3880	1.4800e-003	1.4200e-003	77.8479

Old Bayshore - 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					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	657.798	7.0900e-003	0.0645	0.0542	3.9000e-004		4.9000e-003	4.9000e-003		4.9000e-003	4.9000e-003		77.3880	77.3880	1.4800e-003	1.4200e-003	77.8479
<b>Total</b>		<b>7.0900e-003</b>	<b>0.0645</b>	<b>0.0542</b>	<b>3.9000e-004</b>		<b>4.9000e-003</b>	<b>4.9000e-003</b>		<b>4.9000e-003</b>	<b>4.9000e-003</b>		<b>77.3880</b>	<b>77.3880</b>	<b>1.4800e-003</b>	<b>1.4200e-003</b>	<b>77.8479</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					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0.657798	7.0900e-003	0.0645	0.0542	3.9000e-004		4.9000e-003	4.9000e-003		4.9000e-003	4.9000e-003		77.3880	77.3880	1.4800e-003	1.4200e-003	77.8479
<b>Total</b>		<b>7.0900e-003</b>	<b>0.0645</b>	<b>0.0542</b>	<b>3.9000e-004</b>		<b>4.9000e-003</b>	<b>4.9000e-003</b>		<b>4.9000e-003</b>	<b>4.9000e-003</b>		<b>77.3880</b>	<b>77.3880</b>	<b>1.4800e-003</b>	<b>1.4200e-003</b>	<b>77.8479</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Old Bayshore - 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	1.6858	1.0000e-004	0.0106	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0226	0.0226	6.0000e-005		0.0241
Unmitigated	1.6858	1.0000e-004	0.0106	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0226	0.0226	6.0000e-005		0.0241

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	0.1993					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.4855					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.9000e-004	1.0000e-004	0.0106	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0226	0.0226	6.0000e-005		0.0241
<b>Total</b>	<b>1.6858</b>	<b>1.0000e-004</b>	<b>0.0106</b>	<b>0.0000</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>0.0226</b>	<b>0.0226</b>	<b>6.0000e-005</b>		<b>0.0241</b>

Old Bayshore - 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	0.1993					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.4855					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.9000e-004	1.0000e-004	0.0106	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0226	0.0226	6.0000e-005		0.0241
<b>Total</b>	<b>1.6858</b>	<b>1.0000e-004</b>	<b>0.0106</b>	<b>0.0000</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>0.0226</b>	<b>0.0226</b>	<b>6.0000e-005</b>		<b>0.0241</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

**Fire Pumps and Emergency Generators**

Old Bayshore - 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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Old Bayshore - Bay Area AQMD Air District, Winter

**Old Bayshore**  
**Bay Area AQMD Air District, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	69.19	1000sqft	3.49	69,192.00	0
Parking Lot	34.00	Space	0.31	13,600.00	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>	4			<b>Operational Year</b>	2021
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MW hr)</b>	281.31	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

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

Project Characteristics - CO2 intensity adjusted per PG&E progress towards RPS

Land Use - Project Information

Construction Phase - Applicant Provided Information

Demolition -

Grading - Applicant Provided Information

Vehicle Trips - Based on Fehr and Peers trip report

## Old Bayshore - Bay Area AQMD Air District, Winter

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	8.00	5.00
tblConstructionPhase	NumDays	18.00	2.00
tblConstructionPhase	NumDays	230.00	132.00
tblConstructionPhase	NumDays	18.00	132.00
tblGrading	AcresOfGrading	2.50	3.80
tblGrading	MaterialExported	0.00	150.00
tblGrading	MaterialImported	0.00	150.00
tblLandUse	LandUseSquareFeet	69,190.00	69,192.00
tblLandUse	LotAcreage	1.59	3.49
tblProjectCharacteristics	CO2IntensityFactor	641.35	281.31
tblVehicleTrips	ST_TR	1.68	1.73
tblVehicleTrips	SU_TR	1.68	1.73
tblVehicleTrips	WD_TR	1.68	1.73

## 2.0 Emissions Summary

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Old Bayshore - 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	1.6858	1.0000e-004	0.0106	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0226	0.0226	6.0000e-005		0.0241
Energy	7.0900e-003	0.0645	0.0542	3.9000e-004		4.9000e-003	4.9000e-003		4.9000e-003	4.9000e-003		77.3880	77.3880	1.4800e-003	1.4200e-003	77.8479
Mobile	0.1911	0.9923	2.4608	8.3100e-003	0.7425	7.7800e-003	0.7503	0.1987	7.2900e-003	0.2060		839.6876	839.6876	0.0314		840.4718
<b>Total</b>	<b>1.8840</b>	<b>1.0569</b>	<b>2.5255</b>	<b>8.7000e-003</b>	<b>0.7425</b>	<b>0.0127</b>	<b>0.7552</b>	<b>0.1987</b>	<b>0.0122</b>	<b>0.2109</b>		<b>917.0981</b>	<b>917.0981</b>	<b>0.0329</b>	<b>1.4200e-003</b>	<b>918.3437</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	1.6858	1.0000e-004	0.0106	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0226	0.0226	6.0000e-005		0.0241
Energy	7.0900e-003	0.0645	0.0542	3.9000e-004		4.9000e-003	4.9000e-003		4.9000e-003	4.9000e-003		77.3880	77.3880	1.4800e-003	1.4200e-003	77.8479
Mobile	0.1911	0.9923	2.4608	8.3100e-003	0.7425	7.7800e-003	0.7503	0.1987	7.2900e-003	0.2060		839.6876	839.6876	0.0314		840.4718
<b>Total</b>	<b>1.8840</b>	<b>1.0569</b>	<b>2.5255</b>	<b>8.7000e-003</b>	<b>0.7425</b>	<b>0.0127</b>	<b>0.7552</b>	<b>0.1987</b>	<b>0.0122</b>	<b>0.2109</b>		<b>917.0981</b>	<b>917.0981</b>	<b>0.0329</b>	<b>1.4200e-003</b>	<b>918.3437</b>

Old Bayshore - 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	Demolition	Demolition	1/1/2020	1/28/2020	5	20	
2	Grading	Grading	1/29/2020	2/4/2020	5	5	
3	Paving	Paving	2/5/2020	2/6/2020	5	2	
4	Building Construction	Building Construction	2/7/2020	8/10/2020	5	132	
5	Architectural Coating	Architectural Coating	2/21/2020	8/24/2020	5	132	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 3.8

Acres of Paving: 0.31

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 103,788; Non-Residential Outdoor: 34,596; Striped Parking Area: 816 (Architectural Coating – sqft)

#### OffRoad Equipment

## Old Bayshore - Bay Area AQMD Air District, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
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	Tractors/Loaders/Backhoes	3	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
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

Old Bayshore - Bay Area AQMD Air District, Winter

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	104.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	30.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	35.00	14.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	7.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

**3.2 Demolition - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.1266	0.0000	1.1266	0.1706	0.0000	0.1706			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
<b>Total</b>	<b>3.3121</b>	<b>33.2010</b>	<b>21.7532</b>	<b>0.0388</b>	<b>1.1266</b>	<b>1.6587</b>	<b>2.7853</b>	<b>0.1706</b>	<b>1.5419</b>	<b>1.7124</b>		<b>3,747.7049</b>	<b>3,747.7049</b>	<b>1.0580</b>		<b>3,774.1536</b>

Old Bayshore - Bay Area AQMD Air District, Winter

**3.2 Demolition - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0441	1.5261	0.3187	4.0700e-003	0.0908	4.9500e-003	0.0958	0.0249	4.7400e-003	0.0296		434.9767	434.9767	0.0232		435.5578
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	0.0552	0.0390	0.3780	1.1400e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		113.4098	113.4098	2.7700e-003		113.4792
<b>Total</b>	<b>0.0992</b>	<b>1.5651</b>	<b>0.6967</b>	<b>5.2100e-003</b>	<b>0.2141</b>	<b>5.7500e-003</b>	<b>0.2198</b>	<b>0.0576</b>	<b>5.4800e-003</b>	<b>0.0631</b>		<b>548.3865</b>	<b>548.3865</b>	<b>0.0260</b>		<b>549.0369</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					1.1266	0.0000	1.1266	0.1706	0.0000	0.1706			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
<b>Total</b>	<b>3.3121</b>	<b>33.2010</b>	<b>21.7532</b>	<b>0.0388</b>	<b>1.1266</b>	<b>1.6587</b>	<b>2.7853</b>	<b>0.1706</b>	<b>1.5419</b>	<b>1.7124</b>	<b>0.0000</b>	<b>3,747.7049</b>	<b>3,747.7049</b>	<b>1.0580</b>		<b>3,774.1536</b>

Old Bayshore - Bay Area AQMD Air District, Winter

**3.2 Demolition - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0441	1.5261	0.3187	4.0700e-003	0.0908	4.9500e-003	0.0958	0.0249	4.7400e-003	0.0296		434.9767	434.9767	0.0232		435.5578
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	0.0552	0.0390	0.3780	1.1400e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		113.4098	113.4098	2.7700e-003		113.4792
<b>Total</b>	<b>0.0992</b>	<b>1.5651</b>	<b>0.6967</b>	<b>5.2100e-003</b>	<b>0.2141</b>	<b>5.7500e-003</b>	<b>0.2198</b>	<b>0.0576</b>	<b>5.4800e-003</b>	<b>0.0631</b>		<b>548.3865</b>	<b>548.3865</b>	<b>0.0260</b>		<b>549.0369</b>

**3.3 Grading - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.8334	0.0000	6.8334	3.3981	0.0000	3.3981			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716		2,872.4851	2,872.4851	0.9290		2,895.7106
<b>Total</b>	<b>2.4288</b>	<b>26.3859</b>	<b>16.0530</b>	<b>0.0297</b>	<b>6.8334</b>	<b>1.2734</b>	<b>8.1069</b>	<b>3.3981</b>	<b>1.1716</b>	<b>4.5696</b>		<b>2,872.4851</b>	<b>2,872.4851</b>	<b>0.9290</b>		<b>2,895.7106</b>

Old Bayshore - Bay Area AQMD Air District, Winter

**3.3 Grading - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0509	1.7608	0.3677	4.6900e-003	0.1048	5.7200e-003	0.1105	0.0287	5.4700e-003	0.0342		501.8961	501.8961	0.0268		502.5667
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	0.0552	0.0390	0.3780	1.1400e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		113.4098	113.4098	2.7700e-003		113.4792
<b>Total</b>	<b>0.1060</b>	<b>1.7998</b>	<b>0.7457</b>	<b>5.8300e-003</b>	<b>0.2280</b>	<b>6.5200e-003</b>	<b>0.2346</b>	<b>0.0614</b>	<b>6.2100e-003</b>	<b>0.0676</b>		<b>615.3060</b>	<b>615.3060</b>	<b>0.0296</b>		<b>616.0458</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.8334	0.0000	6.8334	3.3981	0.0000	3.3981			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716	0.0000	2,872.4851	2,872.4851	0.9290		2,895.7106
<b>Total</b>	<b>2.4288</b>	<b>26.3859</b>	<b>16.0530</b>	<b>0.0297</b>	<b>6.8334</b>	<b>1.2734</b>	<b>8.1069</b>	<b>3.3981</b>	<b>1.1716</b>	<b>4.5696</b>	<b>0.0000</b>	<b>2,872.4851</b>	<b>2,872.4851</b>	<b>0.9290</b>		<b>2,895.7106</b>

Old Bayshore - Bay Area AQMD Air District, Winter

**3.3 Grading - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0509	1.7608	0.3677	4.6900e-003	0.1048	5.7200e-003	0.1105	0.0287	5.4700e-003	0.0342		501.8961	501.8961	0.0268		502.5667
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	0.0552	0.0390	0.3780	1.1400e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		113.4098	113.4098	2.7700e-003		113.4792
<b>Total</b>	<b>0.1060</b>	<b>1.7998</b>	<b>0.7457</b>	<b>5.8300e-003</b>	<b>0.2280</b>	<b>6.5200e-003</b>	<b>0.2346</b>	<b>0.0614</b>	<b>6.2100e-003</b>	<b>0.0676</b>		<b>615.3060</b>	<b>615.3060</b>	<b>0.0296</b>		<b>616.0458</b>

**3.4 Paving - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1837	11.8015	12.2823	0.0189		0.6509	0.6509		0.6005	0.6005		1,804.7070	1,804.7070	0.5670		1,818.8830
Paving	0.4061					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.5898</b>	<b>11.8015</b>	<b>12.2823</b>	<b>0.0189</b>		<b>0.6509</b>	<b>0.6509</b>		<b>0.6005</b>	<b>0.6005</b>		<b>1,804.7070</b>	<b>1,804.7070</b>	<b>0.5670</b>		<b>1,818.8830</b>



Old Bayshore - Bay Area AQMD Air District, Winter

**3.4 Paving - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0735	0.0520	0.5040	1.5200e-003	0.1643	1.0600e-003	0.1654	0.0436	9.8000e-004	0.0446		151.2131	151.2131	3.7000e-003		151.3055
<b>Total</b>	<b>0.0735</b>	<b>0.0520</b>	<b>0.5040</b>	<b>1.5200e-003</b>	<b>0.1643</b>	<b>1.0600e-003</b>	<b>0.1654</b>	<b>0.0436</b>	<b>9.8000e-004</b>	<b>0.0446</b>		<b>151.2131</b>	<b>151.2131</b>	<b>3.7000e-003</b>		<b>151.3055</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	1.1837	11.8015	12.2823	0.0189		0.6509	0.6509		0.6005	0.6005	0.0000	1,804.7070	1,804.7070	0.5670		1,818.8830
Paving	0.4061					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.5898</b>	<b>11.8015</b>	<b>12.2823</b>	<b>0.0189</b>		<b>0.6509</b>	<b>0.6509</b>		<b>0.6005</b>	<b>0.6005</b>	<b>0.0000</b>	<b>1,804.7070</b>	<b>1,804.7070</b>	<b>0.5670</b>		<b>1,818.8830</b>

Old Bayshore - Bay Area AQMD Air District, Winter

**3.4 Paving - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0735	0.0520	0.5040	1.5200e-003	0.1643	1.0600e-003	0.1654	0.0436	9.8000e-004	0.0446		151.2131	151.2131	3.7000e-003		151.3055
<b>Total</b>	<b>0.0735</b>	<b>0.0520</b>	<b>0.5040</b>	<b>1.5200e-003</b>	<b>0.1643</b>	<b>1.0600e-003</b>	<b>0.1654</b>	<b>0.0436</b>	<b>9.8000e-004</b>	<b>0.0446</b>		<b>151.2131</b>	<b>151.2131</b>	<b>3.7000e-003</b>		<b>151.3055</b>

**3.5 Building Construction - 2020**

**Unmitigated Construction On-Site**

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

Old Bayshore - Bay Area AQMD Air District, Winter

**3.5 Building Construction - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0559	1.6133	0.4354	3.7600e-003	0.0948	7.9500e-003	0.1027	0.0273	7.6100e-003	0.0349		398.0581	398.0581	0.0218		398.6020
Worker	0.1287	0.0910	0.8820	2.6600e-003	0.2875	1.8600e-003	0.2894	0.0763	1.7200e-003	0.0780		264.6229	264.6229	6.4700e-003		264.7847
<b>Total</b>	<b>0.1845</b>	<b>1.7043</b>	<b>1.3174</b>	<b>6.4200e-003</b>	<b>0.3823</b>	<b>9.8100e-003</b>	<b>0.3921</b>	<b>0.1035</b>	<b>9.3300e-003</b>	<b>0.1129</b>		<b>662.6810</b>	<b>662.6810</b>	<b>0.0282</b>		<b>663.3867</b>

**Mitigated Construction On-Site**

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

Old Bayshore - Bay Area AQMD Air District, Winter

**3.5 Building Construction - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0559	1.6133	0.4354	3.7600e-003	0.0948	7.9500e-003	0.1027	0.0273	7.6100e-003	0.0349		398.0581	398.0581	0.0218		398.6020
Worker	0.1287	0.0910	0.8820	2.6600e-003	0.2875	1.8600e-003	0.2894	0.0763	1.7200e-003	0.0780		264.6229	264.6229	6.4700e-003		264.7847
<b>Total</b>	<b>0.1845</b>	<b>1.7043</b>	<b>1.3174</b>	<b>6.4200e-003</b>	<b>0.3823</b>	<b>9.8100e-003</b>	<b>0.3921</b>	<b>0.1035</b>	<b>9.3300e-003</b>	<b>0.1129</b>		<b>662.6810</b>	<b>662.6810</b>	<b>0.0282</b>		<b>663.3867</b>

**3.6 Architectural Coating - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.5095					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
<b>Total</b>	<b>5.7517</b>	<b>1.6838</b>	<b>1.8314</b>	<b>2.9700e-003</b>		<b>0.1109</b>	<b>0.1109</b>		<b>0.1109</b>	<b>0.1109</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0218</b>		<b>281.9928</b>

Old Bayshore - Bay Area AQMD Air District, Winter

**3.6 Architectural Coating - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0257	0.0182	0.1764	5.3000e-004	0.0575	3.7000e-004	0.0579	0.0153	3.4000e-004	0.0156		52.9246	52.9246	1.2900e-003		52.9569
<b>Total</b>	<b>0.0257</b>	<b>0.0182</b>	<b>0.1764</b>	<b>5.3000e-004</b>	<b>0.0575</b>	<b>3.7000e-004</b>	<b>0.0579</b>	<b>0.0153</b>	<b>3.4000e-004</b>	<b>0.0156</b>		<b>52.9246</b>	<b>52.9246</b>	<b>1.2900e-003</b>		<b>52.9569</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	5.5095					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
<b>Total</b>	<b>5.7517</b>	<b>1.6838</b>	<b>1.8314</b>	<b>2.9700e-003</b>		<b>0.1109</b>	<b>0.1109</b>		<b>0.1109</b>	<b>0.1109</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0218</b>		<b>281.9928</b>

Old Bayshore - Bay Area AQMD Air District, Winter

**3.6 Architectural Coating - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0257	0.0182	0.1764	5.3000e-004	0.0575	3.7000e-004	0.0579	0.0153	3.4000e-004	0.0156		52.9246	52.9246	1.2900e-003		52.9569
<b>Total</b>	<b>0.0257</b>	<b>0.0182</b>	<b>0.1764</b>	<b>5.3000e-004</b>	<b>0.0575</b>	<b>3.7000e-004</b>	<b>0.0579</b>	<b>0.0153</b>	<b>3.4000e-004</b>	<b>0.0156</b>		<b>52.9246</b>	<b>52.9246</b>	<b>1.2900e-003</b>		<b>52.9569</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

Old Bayshore - 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	0.1911	0.9923	2.4608	8.3100e-003	0.7425	7.7800e-003	0.7503	0.1987	7.2900e-003	0.2060		839.6876	839.6876	0.0314		840.4718
Unmitigated	0.1911	0.9923	2.4608	8.3100e-003	0.7425	7.7800e-003	0.7503	0.1987	7.2900e-003	0.2060		839.6876	839.6876	0.0314		840.4718

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	119.70	119.70	119.70	349,462	349,462
Total	119.70	119.70	119.70	349,462	349,462

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
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No Rail	9.50	7.30	7.30	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.575198	0.040076	0.193827	0.113296	0.016988	0.005361	0.017552	0.025197	0.002581	0.002349	0.005904	0.000881	0.000789
Unrefrigerated Warehouse-No Rail	0.575198	0.040076	0.193827	0.113296	0.016988	0.005361	0.017552	0.025197	0.002581	0.002349	0.005904	0.000881	0.000789

Old Bayshore - Bay Area AQMD Air District, Winter

**5.0 Energy Detail**

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Historical Energy Use: N

**5.1 Mitigation Measures Energy**

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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	lb/day										lb/day					
NaturalGas Mitigated	7.0900e-003	0.0645	0.0542	3.9000e-004		4.9000e-003	4.9000e-003		4.9000e-003	4.9000e-003		77.3880	77.3880	1.4800e-003	1.4200e-003	77.8479
NaturalGas Unmitigated	7.0900e-003	0.0645	0.0542	3.9000e-004		4.9000e-003	4.9000e-003		4.9000e-003	4.9000e-003		77.3880	77.3880	1.4800e-003	1.4200e-003	77.8479



Old Bayshore - 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					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	657.798	7.0900e-003	0.0645	0.0542	3.9000e-004		4.9000e-003	4.9000e-003		4.9000e-003	4.9000e-003		77.3880	77.3880	1.4800e-003	1.4200e-003	77.8479
<b>Total</b>		<b>7.0900e-003</b>	<b>0.0645</b>	<b>0.0542</b>	<b>3.9000e-004</b>		<b>4.9000e-003</b>	<b>4.9000e-003</b>		<b>4.9000e-003</b>	<b>4.9000e-003</b>		<b>77.3880</b>	<b>77.3880</b>	<b>1.4800e-003</b>	<b>1.4200e-003</b>	<b>77.8479</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					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0.657798	7.0900e-003	0.0645	0.0542	3.9000e-004		4.9000e-003	4.9000e-003		4.9000e-003	4.9000e-003		77.3880	77.3880	1.4800e-003	1.4200e-003	77.8479
<b>Total</b>		<b>7.0900e-003</b>	<b>0.0645</b>	<b>0.0542</b>	<b>3.9000e-004</b>		<b>4.9000e-003</b>	<b>4.9000e-003</b>		<b>4.9000e-003</b>	<b>4.9000e-003</b>		<b>77.3880</b>	<b>77.3880</b>	<b>1.4800e-003</b>	<b>1.4200e-003</b>	<b>77.8479</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Old Bayshore - 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	1.6858	1.0000e-004	0.0106	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0226	0.0226	6.0000e-005		0.0241
Unmitigated	1.6858	1.0000e-004	0.0106	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0226	0.0226	6.0000e-005		0.0241

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	0.1993					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.4855					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.9000e-004	1.0000e-004	0.0106	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0226	0.0226	6.0000e-005		0.0241
<b>Total</b>	<b>1.6858</b>	<b>1.0000e-004</b>	<b>0.0106</b>	<b>0.0000</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>0.0226</b>	<b>0.0226</b>	<b>6.0000e-005</b>		<b>0.0241</b>

Old Bayshore - 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	0.1993					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.4855					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.9000e-004	1.0000e-004	0.0106	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0226	0.0226	6.0000e-005		0.0241
<b>Total</b>	<b>1.6858</b>	<b>1.0000e-004</b>	<b>0.0106</b>	<b>0.0000</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>0.0226</b>	<b>0.0226</b>	<b>6.0000e-005</b>		<b>0.0241</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

Fire Pumps and Emergency Generators

Old Bayshore - 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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**Old Bayshore**  
**Bay Area AQMD Air District, Mitigation Report**

**Construction Mitigation Summary**

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demolition	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**OFFROAD Equipment Mitigation**

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Cement and Mortar Mixers	Diesel	No Change	0	2	No Change	0.00
Concrete/Industrial Saws	Diesel	No Change	0	1	No Change	0.00
Cranes	Diesel	No Change	0	1	No Change	0.00
Excavators	Diesel	No Change	0	4	No Change	0.00
Forklifts	Diesel	No Change	0	3	No Change	0.00
Generator Sets	Diesel	No Change	0	1	No Change	0.00
Graders	Diesel	No Change	0	1	No Change	0.00
Pavers	Diesel	No Change	0	1	No Change	0.00
Paving Equipment	Diesel	No Change	0	2	No Change	0.00
Rollers	Diesel	No Change	0	2	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	3	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	7	No Change	0.00
Welders	Diesel	No Change	0	1	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Unmitigated tons/yr						Unmitigated mt/yr						
Air Compressors	1.59800E-002	1.11130E-001	1.20870E-001	2.00000E-004	7.32000E-003	7.32000E-003	0.00000E+000	1.68515E+001	1.68515E+001	1.30000E-003	0.00000E+000	1.68841E+001
Cement and Mortar Mixers	9.00000E-005	5.50000E-004	4.60000E-004	0.00000E+000	2.00000E-005	2.00000E-005	0.00000E+000	6.87400E-002	6.87400E-002	1.00000E-005	0.00000E+000	6.89200E-002
Concrete/Industrial Saws	4.18000E-003	3.29900E-002	3.68700E-002	6.00000E-005	1.98000E-003	1.98000E-003	0.00000E+000	5.37656E+000	5.37656E+000	3.40000E-004	0.00000E+000	5.38508E+000
Cranes	2.61800E-002	3.11360E-001	1.22160E-001	3.30000E-004	1.28400E-002	1.18100E-002	0.00000E+000	2.92749E+001	2.92749E+001	9.47000E-003	0.00000E+000	2.95117E+001
Excavators	7.96000E-003	7.84100E-002	1.06200E-001	1.70000E-004	3.80000E-003	3.49000E-003	0.00000E+000	1.47452E+001	1.47452E+001	4.77000E-003	0.00000E+000	1.48645E+001
Forklifts	2.85100E-002	2.56910E-001	2.33690E-001	3.00000E-004	1.91400E-002	1.76100E-002	0.00000E+000	2.65897E+001	2.65897E+001	8.60000E-003	0.00000E+000	2.68047E+001
Generator Sets	2.63400E-002	2.29590E-001	2.44570E-001	4.30000E-004	1.29500E-002	1.29500E-002	0.00000E+000	3.73037E+001	3.73037E+001	2.10000E-003	0.00000E+000	3.73562E+001
Graders	1.19000E-003	1.58100E-002	4.54000E-003	2.00000E-005	5.10000E-004	4.70000E-004	0.00000E+000	1.45766E+000	1.45766E+000	4.70000E-004	0.00000E+000	1.46945E+000
Pavers	2.60000E-004	2.81000E-003	2.90000E-003	0.00000E+000	1.40000E-004	1.30000E-004	0.00000E+000	4.13020E-001	4.13020E-001	1.30000E-004	0.00000E+000	4.16360E-001
Paving Equipment	3.10000E-004	3.21000E-003	3.80000E-003	1.00000E-005	1.60000E-004	1.50000E-004	0.00000E+000	5.36860E-001	5.36860E-001	1.70000E-004	0.00000E+000	5.41210E-001
Rollers	3.10000E-004	3.12000E-003	2.84000E-003	0.00000E+000	2.00000E-004	1.80000E-004	0.00000E+000	3.45730E-001	3.45730E-001	1.10000E-004	0.00000E+000	3.48520E-001
Rubber Tired Dozers	2.42900E-002	2.54980E-001	9.29600E-002	1.90000E-004	1.24900E-002	1.14900E-002	0.00000E+000	1.68874E+001	1.68874E+001	5.46000E-003	0.00000E+000	1.70240E+001
Tractors/Loaders/Backhoes	3.80800E-002	3.82610E-001	4.14330E-001	5.60000E-004	2.41900E-002	2.22600E-002	0.00000E+000	4.95910E+001	4.95910E+001	1.60400E-002	0.00000E+000	4.99919E+001
Welders	2.25800E-002	1.03710E-001	1.16620E-001	1.70000E-004	5.73000E-003	5.73000E-003	0.00000E+000	1.24226E+001	1.24226E+001	1.84000E-003	0.00000E+000	1.24685E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated tons/yr							Mitigated mt/yr					
Air Compressors	1.59800E-002	1.11130E-001	1.20870E-001	2.00000E-004	7.32000E-003	7.32000E-003	0.00000E+000	1.68515E+001	1.68515E+001	1.30000E-003	0.00000E+000	1.68841E+001
Cement and Mortar Mixers	9.00000E-005	5.50000E-004	4.60000E-004	0.00000E+000	2.00000E-005	2.00000E-005	0.00000E+000	6.87400E-002	6.87400E-002	1.00000E-005	0.00000E+000	6.89200E-002
Concrete/Industrial Saws	4.18000E-003	3.29900E-002	3.68700E-002	6.00000E-005	1.98000E-003	1.98000E-003	0.00000E+000	5.37656E+000	5.37656E+000	3.40000E-004	0.00000E+000	5.38507E+000
Cranes	2.61800E-002	3.11360E-001	1.22160E-001	3.30000E-004	1.28400E-002	1.18100E-002	0.00000E+000	2.92749E+001	2.92749E+001	9.47000E-003	0.00000E+000	2.95116E+001
Excavators	7.96000E-003	7.84100E-002	1.06200E-001	1.70000E-004	3.80000E-003	3.49000E-003	0.00000E+000	1.47452E+001	1.47452E+001	4.77000E-003	0.00000E+000	1.48645E+001
Forklifts	2.85100E-002	2.56910E-001	2.33690E-001	3.00000E-004	1.91400E-002	1.76100E-002	0.00000E+000	2.65897E+001	2.65897E+001	8.60000E-003	0.00000E+000	2.68046E+001
Generator Sets	2.63400E-002	2.29590E-001	2.44570E-001	4.30000E-004	1.29500E-002	1.29500E-002	0.00000E+000	3.73037E+001	3.73037E+001	2.10000E-003	0.00000E+000	3.73562E+001
Graders	1.19000E-003	1.58100E-002	4.54000E-003	2.00000E-005	5.10000E-004	4.70000E-004	0.00000E+000	1.45766E+000	1.45766E+000	4.70000E-004	0.00000E+000	1.46945E+000
Pavers	2.60000E-004	2.81000E-003	2.90000E-003	0.00000E+000	1.40000E-004	1.30000E-004	0.00000E+000	4.13020E-001	4.13020E-001	1.30000E-004	0.00000E+000	4.16350E-001
Paving Equipment	3.10000E-004	3.21000E-003	3.80000E-003	1.00000E-005	1.60000E-004	1.50000E-004	0.00000E+000	5.36860E-001	5.36860E-001	1.70000E-004	0.00000E+000	5.41210E-001
Rollers	3.10000E-004	3.12000E-003	2.84000E-003	0.00000E+000	2.00000E-004	1.80000E-004	0.00000E+000	3.45730E-001	3.45730E-001	1.10000E-004	0.00000E+000	3.48520E-001
Rubber Tired Dozers	2.42900E-002	2.54980E-001	9.29600E-002	1.90000E-004	1.24900E-002	1.14900E-002	0.00000E+000	1.68874E+001	1.68874E+001	5.46000E-003	0.00000E+000	1.70240E+001
Tractors/Loaders/Backhoes	3.80800E-002	3.82610E-001	4.14330E-001	5.60000E-004	2.41900E-002	2.22600E-002	0.00000E+000	4.95909E+001	4.95909E+001	1.60400E-002	0.00000E+000	4.99919E+001
Welders	2.25800E-002	1.03710E-001	1.16620E-001	1.70000E-004	5.73000E-003	5.73000E-003	0.00000E+000	1.24226E+001	1.24226E+001	1.84000E-003	0.00000E+000	1.24685E+001



Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18684E-006	1.18684E-006	0.00000E+000	0.00000E+000	1.18455E-006
Cement and Mortar Mixers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Concrete/Industrial Saws	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.85698E-006
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.02477E-006	1.02477E-006	0.00000E+000	0.00000E+000	1.35540E-006
Excavators	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	6.78185E-007	6.78185E-007	0.00000E+000	0.00000E+000	1.34549E-006
Forklifts	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.12826E-006	1.12826E-006	0.00000E+000	0.00000E+000	1.11921E-006
Generator Sets	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.07228E-006	1.07228E-006	0.00000E+000	0.00000E+000	1.07077E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	2.40177E-005
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18431E-006	1.18431E-006	0.00000E+000	0.00000E+000	1.17481E-006
Tractors/Loaders/Backhoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.20990E-006	1.20990E-006	0.00000E+000	0.00000E+000	1.20019E-006
Welders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	8.04987E-007	8.04987E-007	0.00000E+000	0.00000E+000	1.60405E-006

**Fugitive Dust Mitigation**

Yes/No	Mitigation Measure	Mitigation Input	Mitigation Input	Mitigation Input
No	Soil Stabilizer for unpaved Roads	PM10 Reduction	PM2.5 Reduction	
No	Replace Ground Cover of Area Disturbed	PM10 Reduction	PM2.5 Reduction	
No	Water Exposed Area	PM10 Reduction	PM2.5 Reduction	Frequency (per day)

No	Unpaved Road Mitigation	Moisture Content %		Vehicle Speed (mph)	0.00		
No	Clean Paved Road	% PM Reduction	0.00				

Phase	Source	Unmitigated		Mitigated		Percent Reduction	
		PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	0.02	0.01	0.02	0.01	0.00	0.00
Demolition	Fugitive Dust	0.01	0.00	0.01	0.00	0.00	0.00
Demolition	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Grading	Fugitive Dust	0.02	0.01	0.02	0.01	0.00	0.00
Grading	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.00	0.00	0.00	0.00	0.00	0.00

**Operational Percent Reduction Summary**

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**Operational Mobile Mitigation**

Project Setting:

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value 3
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.04	0.21		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			
No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.00			

No	Neighborhood Enhancements	Improve Pedestrian Network			
No	Neighborhood Enhancements	Provide Traffic Calming Measures			
No	Neighborhood Enhancements	Implement NEV Network	0.00		
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00		
No	Parking Policy Pricing	Limit Parking Supply	0.00		
No	Parking Policy Pricing	Unbundle Parking Costs	0.00		
No	Parking Policy Pricing	On-street Market Pricing	0.00		
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00		
No	Transit Improvements	Provide BRT System	0.00		
No	Transit Improvements	Expand Transit Network	0.00		
No	Transit Improvements	Increase Transit Frequency	0.00		
	Transit Improvements	Transit Improvements Subtotal	0.00		
		Land Use and Site Enhancement Subtotal	0.00		
No	Commute	Implement Trip Reduction Program			
No	Commute	Transit Subsidy			
No	Commute	Implement Employee Parking "Cash Out"			
No	Commute	Workplace Parking Charge			
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00		
No	Commute	Market Commute Trip Reduction Option	0.00		
No	Commute	Employee Vanpool/Shuttle	0.00		2.00
No	Commute	Provide Ride Sharing Program			
	Commute	Commute Subtotal	0.00		

No	School Trip	Implement School Bus Program	0.00		
		Total VMT Reduction	0.00		

**Area Mitigation**

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	100.00
No	Use Low VOC Paint (Residential Exterior)	150.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	150.00
No	Use Low VOC Paint (Parking)	150.00
No	% Electric Lawnmower	
No	% Electric Leafblower	
No	% Electric Chainsaw	

**Energy Mitigation Measures**

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		
No	Install High Efficiency Lighting		
No	On-site Renewable		

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

**Water Mitigation Measures**

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy		
No	Use Reclaimed Water		
No	Use Grey Water		
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction		
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape		

**Solid Waste Mitigation**

Mitigation Measures	Input Value
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Institute Recycling and Composting Services Percent Reduction in Waste Disposed	
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**AERMOD**  
**Dispersion Modeling**



# AERMOD Model Options

## Model Options

Pathway	Keyword	Description	Value
CO	TITLEONE	Project title 1	Old Bayshore
CO	TITLETWO	Project title 2	
CO	MODELOPT	Model options	DFAULT,CONC,NODRYDPLT,NOWETDPLT
CO	AVERTIME	Averaging times	1,ANNUAL
CO	URBANOPT	Urban options	
CO	POLLUTID	Pollutant ID	PM25 H1H
CO	HALFLIFE	Half life	
CO	DCAYCOEF	Decay coefficient	
CO	FLAGPOLE	Flagpole receptor heights	1.8
CO	RUNORNOT	Run or Not	RUN
CO	EVENTFIL	Event file	F
CO	SAVEFILE	Save file	F
CO	INITFILE	Initialization file	
CO	MULTYEAR	Multiple year option	N/A
CO	DEBUGOPT	Debug options	N/A
CO	ERRORFIL	Error file	F
SO	ELEVUNIT	Elevation units	METERS
SO	EMISUNIT	Emission units	N/A
RE	ELEVUNIT	Elevation units	METERS
ME	SURFFILE	Surface met file	C:\Users\jbyrne\Desktop\OLDBAY~1\724945\724945.SFC
ME	PROFFILE	Profile met file	C:\Users\jbyrne\Desktop\OLDBAY~1\724945\724945.PFL
ME	SURFDATA	Surf met data info.	23293 2009 SJAIRPORT
ME	UAIRDATA	U-Air met data info.	23230 2009
ME	SITEDATA	On-site met data info.	
ME	PROFBASE	Elev. above MSL	15.5
ME	STARTEND	Start-end met dates	
ME	WDROTATE	Wind dir. rot. adjust.	
ME	WINDCATS	Wind speed cat. max.	
ME	SCIMBYHR	SCIM sample params	
EV	DAYTABLE	Print summary opt.	N/A
OU	EVENTOUT	Output info. level	N/A

OU	DAYTABLE	Print summary opt.
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## Source Parameter Tables

### All Sources

Source ID / Pollutant ID	Source Type	Description	UTM		Elev.	Emiss. Rate	Emiss. Units	Release Height
			East (m)	North (m)	(m)			(m)
83WUU0KZ	VOLUME	Construction	597462.5	4136145.4	0	0.001944	(g/s)	5
83WUU0L0	VOLUME	Construction	597526.1	4136145.4	0	0.001944	(g/s)	5
83WUU0L1	VOLUME	Construction	597526.1	4136209.0	0	0.001944	(g/s)	5
83WUU0L2	VOLUME	Construction	597589.7	4136209.0	0	0.001944	(g/s)	5

### Volume Sources

Source ID / Pollutant ID	Description	UTM		Elev.	Emiss. Rate	Release Height	Init. Lat. Dim.	Init. Vert. Dim.
		East (m)	North (m)	(m)	(g/s)	(m)	(m)	(m)
83WUU0KZ	Construction	597462.5	4136145.4	0	0.001944	5	29.59	1
83WUU0L0	Construction	597526.1	4136145.4	0	0.001944	5	29.59	1
83WUU0L1	Construction	597526.1	4136209.0	0	0.001944	5	29.59	1
83WUU0L2	Construction	597589.7	4136209.0	0	0.001944	5	29.59	1

## BREEZE AERMOD Model Results

### Max. Annual ( 5 YEARS) Results of Pollutant: PM25 (ug/m\*\*3)

Group ID	High	Avg. Conc.	UTM		Elev. (m)	Hill Ht. (m)	Flag Ht. (m)	Rec. Type	Grid ID
			East (m)	North (m)					
ALL	1ST	0.05571	597446.90	4136080.70	0.00	0.00	1.80	DC	
	2ND	0.05451	597461.90	4136070.70	0.00	0.00	1.80	DC	
	3RD	0.05343	597451.90	4136075.70	0.00	0.00	1.80	DC	
	4TH	0.05170	597436.90	4136085.70	0.00	0.00	1.80	DC	
	5TH	0.05108	597466.90	4136065.70	0.00	0.00	1.80	DC	
	6TH	0.05072	597456.90	4136070.70	0.00	0.00	1.80	DC	
	7TH	0.05060	597441.90	4136080.70	0.00	0.00	1.80	DC	
	8TH	0.05059	597476.90	4136060.70	0.00	0.00	1.80	DC	
	9TH	0.04897	597446.90	4136075.70	0.00	0.00	1.80	DC	
	10TH	0.04786	597461.90	4136065.70	0.00	0.00	1.80	DC	

### Highest Results of Pollutant: PM25

Avg. Per.	Grp ID	High	Type	Val	Units	Date	UTM		Elev. (m)	Hill Ht. (m)	Flag Ht. (m)	Rec. Type	Grid ID
						YYMMDDHH	East (m)	North (m)					
1-HR	ALL	1ST	Avg. Conc.	7.27310	ug/m**3	12010219	597421.90	4136090.70	0.00	0.00	1.80	DC	

### Summary of Total Messages

#	Message Type
0	Fatal Error Message(s)
5	Warning Message(s)
13130	Informational Message(s)
43872	Hours Were Processed
11611	Calm Hours Identified
1519	Missing Hours Identified ( 3.46 Percent)

### Error & Warning Messages

Msg. Type	Pathway	Ref. #	Description
WARNING	CO	<a href="#">W276</a>	Special proc for 1h-NO2/SO2 24hPM25 NAAQS disabled PM25 H1H
WARNING	CO	<a href="#">W363</a>	Multiyr 24h/Ann PM25 processing not applicable for PM25 H1H
WARNING	OU	<a href="#">W565</a>	Possible Conflict With Dynamically Allocated FUNIT PLOTFILE

WARNING	OU	<a href="#">W565</a>	Possible Conflict With Dynamically Allocated FUNIT PLOTFILE
WARNING	MX	<a href="#">W481</a>	Data Remaining After End of Year. Number of Hours= 48

[www.breeze-software.com](http://www.breeze-software.com)

\*\* BREEZE AERMOD  
\*\* Trinity Consultants  
\*\* VERSION 8.1

CO STARTING  
CO TITLEONE Old Bayshore  
CO MODELOPT DFAULT CONC NODRYDPLT NOWETDPLT  
CO RUNORNOT RUN  
CO AVERTIME 1 ANNUAL  
CO POLLUTID PM25 H1H  
CO FLAGPOLE 1.8  
CO FINISHED

SO STARTING  
SO ELEVUNIT METERS  
SO LOCATION 83WUU0KZ VOLUME 597462.5 4136145.4 0  
\*\* SRCDESCR Construction  
SO LOCATION 83WUU0L0 VOLUME 597526.1 4136145.4 0  
\*\* SRCDESCR Construction  
SO LOCATION 83WUU0L1 VOLUME 597526.1 4136209.0 0  
\*\* SRCDESCR Construction  
SO LOCATION 83WUU0L2 VOLUME 597589.7 4136209.0 0  
\*\* SRCDESCR Construction  
SO SRCPARAM 83WUU0KZ 0.001944 5 29.59 1  
SO SRCPARAM 83WUU0L0 0.001944 5 29.59 1  
SO SRCPARAM 83WUU0L1 0.001944 5 29.59 1  
SO SRCPARAM 83WUU0L2 0.001944 5 29.59 1  
SO EMISFACT 83WUU0KZ HRDOW 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 0 0 0 0 0 0 0  
SO EMISFACT 83WUU0KZ HRDOW 0  
SO EMISFACT 83WUU0KZ HRDOW 0  
SO EMISFACT 83WUU0L0 HRDOW 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 0 0 0 0 0 0  
SO EMISFACT 83WUU0L0 HRDOW 0  
SO EMISFACT 83WUU0L0 HRDOW 0  
SO EMISFACT 83WUU0L1 HRDOW 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 0 0 0 0 0 0  
SO EMISFACT 83WUU0L1 HRDOW 0  
SO EMISFACT 83WUU0L1 HRDOW 0  
SO EMISFACT 83WUU0L2 HRDOW 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 0 0 0 0 0 0  
SO EMISFACT 83WUU0L2 HRDOW 0  
SO EMISFACT 83WUU0L2 HRDOW 0  
SO SRCGROUP ALL  
SO FINISHED

RE STARTING  
RE ELEVUNIT METERS  
RE DISCCART 597436.9 4136015.7 0 0 1.8  
\*\* SENSITIV  
\*\* RCPDESCR Residents  
RE DISCCART 597441.9 4136015.7 0 0 1.8  
\*\* SENSITIV  
\*\* RCPDESCR Residents  
RE DISCCART 597431.9 4136020.7 0 0 1.8  
\*\* SENSITIV  
\*\* RCPDESCR Residents  
RE DISCCART 597436.9 4136020.7 0 0 1.8  
\*\* SENSITIV  
\*\* RCPDESCR Residents  
RE DISCCART 597441.9 4136020.7 0 0 1.8  
\*\* SENSITIV  
\*\* RCPDESCR Residents  
RE DISCCART 597446.9 4136020.7 0 0 1.8  
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\*\* BREEZE AERMOD  
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CO STARTING  
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SO EMISFACT 83WUU0KZ HRDOW 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 0 0 0 0 0 0 0  
SO EMISFACT 83WUU0KZ HRDOW 0  
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SO EMISFACT 83WUU0L0 HRDOW 0  
SO EMISFACT 83WUU0L0 HRDOW 0  
SO EMISFACT 83WUU0L1 HRDOW 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 0 0 0 0 0 0  
SO EMISFACT 83WUU0L1 HRDOW 0  
SO EMISFACT 83WUU0L1 HRDOW 0  
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RE DISCCART 597446.9 4136020.7 0 0 1.8  
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\*\* SENSITIV  
\*\* RCPDESCR Residents  
RE DISCCART 597441.9 4136025.7 0 0 1.8  
\*\* SENSITIV  
\*\* RCPDESCR Residents  
RE DISCCART 597446.9 4136025.7 0 0 1.8

**HARP 2**  
**RAST**  
**Outputs**

GLCs loaded successfully  
Pollutants loaded successfully  
\*\*\*\*\*

RISK SCENARIO SETTINGS

Receptor Type: Resident  
Scenario: All  
Calculation Method: HighEnd

\*\*\*\*\*  
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25  
Total Exposure Duration: 0.75

Exposure Duration Bin Distribution  
3rd Trimester Bin: 0.25  
0<2 Years Bin: 0.75  
2<9 Years Bin: 0  
2<16 Years Bin: 0  
16<30 Years Bin: 0  
16 to 70 Years Bin: 0

\*\*\*\*\*  
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True  
Soil: False  
Dermal: False  
Mother's milk: False  
Water: False  
Fish: False  
Homegrown crops: False  
Beef: False  
Dairy: False  
Pig: False  
Chicken: False  
Egg: False

\*\*\*\*\*  
INHALATION

Daily breathing rate: LongTerm24HR



Old Bayshore\_Unmitigated\_Output

**\*\*Worker Adjustment Factors\*\***

Worker adjustment factors enabled: NO

**\*\*Fraction at time at home\*\***

3rd Trimester to 16 years: ON

16 years to 70 years: ON

\*\*\*\*\*

TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.

Tier2 - What was changed: ED or start age changed|FAH changed|

Calculating cancer risk

Cancer risk saved to: C:\Users\jbyrne\Desktop\HARP 2\Project Folders\Old Bayshore\Unmitigated\Old Bayshore\_Unmitigated\_CancerRisk.csv

Calculating chronic risk

Chronic risk saved to: C:\Users\jbyrne\Desktop\HARP 2\Project Folders\Old Bayshore\Unmitigated\Old Bayshore\_Unmitigated\_NCChronicRisk.csv

Calculating acute risk

Acute risk saved to: C:\Users\jbyrne\Desktop\HARP 2\Project Folders\Old Bayshore\Unmitigated\Old Bayshore\_Unmitigated\_NCAcuteRisk.csv

HRA ran successfully

1 Construction

9901 DieselExhP

0.05571

7.2731

0

0

0

\*HARP - HRACalc v17023 4/24/2019 4:33:18 PM - Cancer Risk - Input File: C:\Users\jbyrne\Desktop\HARP 2\Project Folders\Old Bayshore\Unmitigated\Old Bayshore\_Unmitigated\_HRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBRE'	CONC	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RI'	WATER_RI'	FISH_RISK
1	Construction		9901	DieselExhP	0.05571	7.62E-06	0.75YrCanc	*	7.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

CROP_RISK	BEEF_RISK	DAIRY_RIS	PIG_RISK	CHICKEN_F	EGG_RISK	1ST_DRIVE	2ND_DRIV	PASTURE_(	FISH_CONC	WATER_CONC
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	NA	NA	0.00E+00	0.00E+00	0.00E+00



\*HARP - HRACalc v17023 4/24/2019 4:33:18 PM - Chronic Risk - Input File: C:\Users\jbyrne\Desktop\HARP 2\Project Folders\Old Bayshore\Unmitigated\Old Bayshore\_Unmitigated\_HRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DEVEL	RESP	SKIN	EYE	BONE/TEETH	ENDO	BLOOD	ODOR
1	Construction		9901	DieselExhPM	0.05571	NonCancerChronicHighEnd_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
GENERAL	DETAILS	INH_CONC	SOIL_DOSE	DERMAL_DOSE	MMILK_DOSE	WATER_DOSE	FISH_DOSE	CROP_DOSE	BEEF_DOSE	DAIRY_DOSE	PIG_DOSE	CHICKEN_DOSE	EGG_DOSE	1ST_DRIVER	2ND_DRIVER	3RD_DRIVER	PASTURE_CONC	FISH_CONC	WATER_CONC
0.00E+00	*	5.57E-02	0.00E+00	0.00E+00	0.00E+00		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	NA	NA	0.00E+00	0.00E+00	0.00E+00

POL	1	POLABBREV 9901	2	InhalationCancerURF	3	InhalationCancerSlopeFactor 0.0003	4	OralCancerSlopeFactor 1.1	5	AcuteREL	6	InhalationChronicREL	7	OralChronicREL 5	8	IsMultipathway FALSE	9	AcuteCV_ FALSE	10			
AcuteCNS_ FALSE	11	AcuteMMUN_ FALSE	12	AcuteKIDNEY_ FALSE	13	AcuteGILV_ FALSE	14	AcuteREPRO_DEVEL_ FALSE	15	AcuteRESP_ FALSE	16	AcuteSKIN_ FALSE	17	AcuteEYE_ FALSE	18	AcuteBONE_TEETH_ FALSE	19	AcuteENDO_ FALSE	20	AcuteBLOOD_ FALSE	21	
AcuteODOR_ FALSE	22	AcuteGENERAL_ FALSE	23	InhalationChronicCV_ FALSE	24	InhalationChronicCNS_ FALSE	25	InhalationChronicIMMUN_ FALSE	26	InhalationChronicKIDNEY_ FALSE	27	InhalationChronicGILV_ FALSE	28	InhalationChronicREPRO_DEVEL_ FALSE	29	InhalationChronicRESP_ TRUE	30	InhalationChronicSKIN_ FALSE	31	InhalationChronicEYE_ FALSE	32	
InhalationChronicBONE_TEETH_ FALSE	33	InhalationChronicENDO_ FALSE	34	InhalationChronicBLOOD_ FALSE	35	InhalationChronicODOR_ FALSE	36	InhalationChronicGENERAL_ FALSE	37	OralChronicCV_ FALSE	38	OralChronicCNS_ FALSE	39	OralChronicMMUN_ FALSE	40	OralChronicKIDNEY_ FALSE	41	OralChronicGILV_ FALSE	42	OralChronicREPRO_DEVEL_ FALSE	43	
OralChronicRESP_ FALSE	44	OralChronicSKIN_ FALSE	45	OralChronicEYE_ FALSE	46	OralChronicBONE_TEETH_ FALSE	47	OralChronicENDO_ FALSE	48	OralChronicBLOOD_ FALSE	49	OralChronicODOR_ FALSE	50	OralChronicGENERAL_ FALSE	51	PathwayInhalation TRUE	52	PathwayDrinking FALSE	53	PathwayFood FALSE	54	
PathwayCrop FALSE	55	PathwayExposed FALSE	56	PathwayLeafy FALSE	57	PathwayProtected FALSE	58	PathwayRoot FALSE	59	PathwayDairy FALSE	60	PathwayMeatEggs FALSE	61	PathwaySoilIngestion FALSE	62	PathwayFish FALSE	63	PathwayDermal FALSE	64	PathwayMothersMilk FALSE	65	
SoilUptakeFactorLeafy	66	SoilUptakeFactorExposed	67	SoilUptakeFactorProtected	68	SoilUptakeFactorRoot	69	FoodTcoMilk	70	FoodTcoEgg	71	FoodTcoChicken	72	FoodTcoBeef	73	FoodTcoPig	74	HalfLifeInSoil	75	GRAF	76	
FishBCF	77	MoWiCorrection	78	DermalAbsorptionFactor 1	79	InhalationChronicREL_BHR	80	InhalationChronicCV_BHR FALSE	81	InhalationChronicCNS_BHR FALSE	82	InhalationChronicIMMUN_BHR FALSE	83	InhalationChronicKIDNEY_BHR FALSE	84	InhalationChronicGILV_BHR FALSE	85	InhalationChronicREPRO_DEVEL_BHR FALSE	86	InhalationChronicRESP_BHR FALSE	87	
InhalationChronicSKIN_BHR FALSE	88	InhalationChronicEYE_BHR FALSE	89	InhalationChronicBONE_TEETH_BHR FALSE	90	InhalationChronicENDO_BHR FALSE	91	InhalationChronicBLOOD_BHR FALSE	92	InhalationChronicODOR_BHR FALSE	93	InhalationChronicGENERAL_BHR FALSE	94	Tco_InhMM	95	Tco_OralMM	96	RChem_Group_HV	97			