

# Appendix D

## Air Quality Appendix

D3 CSLC Full Removal Alternative AQ  
and GHG Emissions



# Appendix D3

## CSLC Full Removal Alternative AQ and GHG Emissions

D3.1 Alt 8 Summary AQ and GHG Emissions

D3.2 Alt 8 Marine Emissions Calculations

D3.3 Alt 8 Truck Emissions Calculations

D3.4 Alt 8 Rail Emission Calculations

D3.5 Alt 8 CalEEMod Output Files



## **Appendix D3.1**

---

Alt 8 Summary AQ and GHG Emissions



## AQ Emissions from Alternative 8 in SLO

Phase 1						
	NOx	ROG	PM10 Total	PM2.5 Total	CO	SO2
Year	lb/day					
Alternative 8 emissions not included in Proposed Project						
Land	51.18	6.75	6.05	2.59	100.08	0.18
Marine	257.13	25.50	12.76	9.12	216.63	0.29
Daily Max	257.13	25.50	12.76	9.12	216.63	0.29
Alternative 8 emissions in Proposed Project						
	341.50	28.96	28.50	13.61	463.37	82.21
Total Maximum Daily Emissions in Alt 8	598.63	54.45	41.26	22.73	680.00	82.50

Phase 2						
	NOx	ROG	PM10 Total	PM2.5 Total	CO	SO2
Year	lb/day					
Alternative 8 emissions not included in Proposed Project						
Land	51.13	6.74	10.84	2.59	99.98	0.19
Marine	257.12	29.37	22.53	10.51	244.99	0.39
Daily Max	257.12	29.37	22.53	10.51	244.99	0.39
Alternative 8 emissions in Proposed Project						
	19.70	8.72	32.94	8.38	85.91	0.25
Total Maximum Daily Emissions in Alt 8, Phase 2	276.82	38.09	55.47	18.89	330.90	0.64

Phase 1						
	Nox + ROG	Exhaust PM10	Fugative PM10	Nox + ROG	Exhaust PM10	Fugative PM10
Year	pounds/day			tons/quarter		
Alternative 7 emissions not included in Proposed Project						
Land	57.9280	2.2405	4.6497	2.6357	0.1019	0.2116
Marine	282.6249	13.0000	11.6248	12.8594	0.5915	0.5289
Alternative 7 emissions in Proposed Project						
				11.9171	0.0899	0.5212
Total Maximum Quarterly Emissions in Alt 8				24.78	0.68	1.05

<b>Phase 2</b>						
	Nox + ROG	Exhaust PM10	Fugative PM10	Nox + ROG	Exhaust PM10	Fugative PM10
<b>Alternative 8 emissions not included in Proposed Project</b>						
Year	pounds/day			tons/quarter		
<b>Land</b>	57.86	2.24	9.91	2.63	0.10	0.45
<b>Marine</b>	286.48	22.53	21.10	13.04	1.02	0.96
<b>Alternative 8 emissions in Proposed Project</b>						
				0.78	0.02	0.54
<b>Total Maximum Quarterly Emissions in Alt 8</b>				<b>13.82</b>	<b>1.04</b>	<b>1.50</b>

<b>Rail Emissions for Alternative 8</b>						
	NOx	ROG	PM10	PM2.5	CO	SOx
	lbs/day					
<b>SBCAPCD</b>	7.44	0.78	0.58	0.20	24.70	0.06
<b>VCAPCD</b>	0.58	0.02	0.17	0.01	0.21	0.00
<b>MDAQMD</b>	2.47	0.06	0.71	0.05	0.88	0.00

Additional GHG Emissions from Alternative 7 not included in Proposed Project

	<b>CO<sub>2</sub>e</b>
	MT total
<b>Demolition</b>	10470
<b>Rail</b>	8935
<b>Marine</b>	132
<b>Total</b>	19536
<b>Total Phase 1</b>	5355
<b>Total Phase 2</b>	14181
Yearly Phase 2	2142.16
Yearly Phase 2	4051.68

**Mass Conversion**

453.592 grams/lb  
2000 lb/ton  
0.90719 metric ton/ton  
1000000 g/metric ton (MT)

91 days/quarter

\*Data used in these calculations comes from Anchor QEA, 2022a and Anchor QEA, 2022b



## **Appendix D3.2**

---

### **Alt 8 Marine Emissions Calculations**



Breakwater, Intake Structure and Intake Tunnel Demolition Estimated Materials and Demolition Debris Quantities and Transport Trips						Miles from DCPD to Southern SLO County Border				80				Marine Air Quality (in SLO)				Marine GHG (full trip)		
Activity	Days in Activity	Barge Trips	Barge Miles	Miles / Barge Trip	Miles/ Barge Trip in SLO	Activity Time	Main Engine HP-hr	Auxiliary Engine HP-hr	Trips per Day	Activity Time	Main Engine HP-hr	Auxiliary Engine HP-hr								
						hours/RT	hp-hr/RT	hp-hr/RT	trips/day	hours/RT	hp-hr/RT	hp-hr/RT								
<i>Breakwater Demolition</i>	1045	1	400	400	160	9	20095	1288	9.57E-04	23	50238	3221								
<i>Coffer Dam Construction for Intake Structure Demolition</i>	261	30	12153	405	160	9	20095	1288	1.15E-01	23	50879	3262								
<i>Intake Structure Demolition</i>	500	22	8800	400	160	9	20095	1288	7.00E-02	23	50238	3221								
<i>Intake Structure Tunnels Removal</i>		13	5221	402	160	9	20095	1288	-	23	50441	3234								
<i>Coffer Dam Removal</i>	261	0	0	0	160	9	20095	1288	0.00E+00	0.00	0.00E+00	0.00E+00								

Cells A46:D48 "10.Barge" from Attachment 1 Live AQIA file

4. Average ocean tugboat horsepower taken from Tables 3.4 and 3.5 in the 2019 Port of Long Beach Air Emissions Inventory (Starcrest, 2020)

Auxiliary 139 hp

Propulsion 2168 hp

5. Average speed of tugboat assumed to be: 15 knots

Speed conversion used

1 knot  
1.15078 mph

Emission Factors

Harbor Craft Type	Engine Type	NOx	VOC	PM10	PM2.5	DPM	CO	SOx	CO <sub>2</sub> e
		g/hp-hr							
Harbor Tugboat	Auxiliary	3.61	0.56	0.14	0.14	0.14	2.78	0.00	331.36
Harbor Tugboat	Propulsion	2.15	0.23	0.08	0.07	0.08	1.59	0.00	184.95
Ocean Tugboat	Auxiliary	2.32	0.21	0.09	0.09	0.09	2.06	0.00	255.16
Ocean Tugboat	Propulsion	4.54	0.42	0.16	0.15	0.16	2.64	0.00	362.92

Emission Calculations

Waste Route Destination	Harbor Craft Type	Engine Type	Round Trip Emissions								Daily Emissions (one RT max per day)							
			NOx	VOC	PM10	PM2.5	DPM	CO	SOx	CO <sub>2</sub> e	CO <sub>2</sub> e	NOx	VOC	PM10	PM2.5	DPM	CO	SOx
			ton/RT								MT/RT	MT total	lb/day					
<i>Breakwater Demolition</i>	Ocean tugboat	Auxiliary	0.003	0.000	0.000	0.000	0.000	0.003	0.000	0.822	0.822	6.587	0.610	0.244	0.244	0.244	5.855	0.000
<i>Breakwater Demolition</i>	Ocean tugboat	Propulsion	0.101	0.009	0.004	0.003	0.004	0.059	0.000	1.169	1.000	201.012	18.770	7.167	6.598	7.167	117.058	0.114
<i>Coffer Dam Construction</i>	Ocean tugboat	Auxiliary	0.003	0.000	0.000	0.000	0.000	0.003	0.000	0.832	30.000	6.587	0.610	0.244	0.244	0.244	5.855	0.000
<i>Coffer Dam Construction</i>	Ocean tugboat	Propulsion	0.101	0.009	0.004	0.003	0.004	0.059	0.000	1.184	30.000	201.012	18.770	7.167	6.598	7.167	117.058	0.114
<i>Intake Structure</i>	Ocean tugboat	Auxiliary	0.003	0.000	0.000	0.000	0.000	0.003	0.000	1.647	35.000	6.587	0.610	0.244	0.244	0.244	5.855	0.000
<i>Intake Structure</i>	Ocean tugboat	Propulsion	0.101	0.009	0.004	0.003	0.004	0.059	0.000	2.343	35.000	201.012	18.770	7.167	6.598	7.167	117.058	0.114
<i>Coffer Dam Removal</i>	Ocean tugboat	Auxiliary	0.003	0.000	0.000	0.000	0.000	0.003	0.000	0.000	0.000	6.587	0.610	0.244	0.244	0.244	5.855	0.000
<i>Coffer Dam Removal</i>	Ocean tugboat	Propulsion	0.101	0.009	0.004	0.003	0.004	0.059	0.000	0.000	0.000	201.012	18.770	7.167	6.598	7.167	117.058	0.114

Mass Conversion	
453.592	grams/lb
2000	lb/ton
0.90719	metric ton/ton
1000000	g/metric ton (MT)

Marine Emissions in Alternative 8 not included in Proposed Project

Waste Route Destination	Harbor Craft Type	Engine Type	Daily Emissions (one RT max per day)						
			NOx	VOC	PM10	PM2.5	CO	SOx	DPM
			lb/day						
<i>Breakwater Demolition</i>	Ocean tugboat	Auxiliary	6.59	0.61	0.24	0.24	5.86	0.00	0.24
	Ocean tugboat	Propulsion	201.01	18.77	7.17	6.60	117.06	0.11	7.17
		Total	<b>207.60</b>	<b>19.38</b>	<b>7.41</b>	<b>6.84</b>	<b>122.91</b>	<b>0.11</b>	<b>7.41</b>
<i>Coffer Dam Construction</i>	Ocean tugboat	Auxiliary	6.59	0.61	0.24	0.24	5.86	0.00	0.24
	Ocean tugboat	Propulsion	201.01	18.77	7.17	6.60	117.06	0.11	7.17
		Total	<b>207.60</b>	<b>19.38</b>	<b>7.41</b>	<b>6.84</b>	<b>122.91</b>	<b>0.11</b>	<b>7.41</b>
<i>Intake Structure</i>	Ocean tugboat	Auxiliary	6.59	0.61	0.24	0.24	5.86	0.00	0.24
	Ocean tugboat	Propulsion	201.01	18.77	7.17	6.60	117.06	0.11	7.17
		Total	<b>207.60</b>	<b>19.38</b>	<b>7.41</b>	<b>6.84</b>	<b>122.91</b>	<b>0.11</b>	<b>7.41</b>
<i>Coffer Dam Removal</i>	Ocean tugboat	Auxiliary	6.59	0.61	0.24	0.24	5.86	0.00	0.24
	Ocean tugboat	Propulsion	201.01	18.77	7.17	6.60	117.06	0.11	7.17
		Total	<b>207.60</b>	<b>19.38</b>	<b>7.41</b>	<b>6.84</b>	<b>122.91</b>	<b>0.11</b>	<b>7.41</b>

## **Appendix D3.3**

---

### **Alt 8 Truck Emissions Calculations**



**DCPP Decommissioning Project**  
**APPENDIX D3. CSLC FULL REMOVAL ALTERNATIVE AQ AND GHG EMISSIONS**

	Days	Truck Trips	Barge Trips	Truck Miles	Barge Miles	Miles / Truck Trip	Miles / Barge Trip	Total Train Trips	Train Miles
<b>Breakwater Demolition</b>	1045	26050	1	1562978	400	60	400	231	89749
<b>Coffer Dam Construction for Intake Structure Demolition</b>	261	378	30	59622	12153	158	405	1	900
<b>Intake Structure Demolition</b>	500	3750	22	225000	8800	60	400	20	17,000
<b>Intake Structure Tunnels Removal</b>		957	13	72895	5221	76	402	9	8000
<b>Coffer Dam Removal</b>	261	4326	0	28832	0	7	0		

\*Information from DCPP Intake Structure Volume and Transport Estimates excel sheet

<b>Maximum Daily Trips for Traffic</b>									
Breakwater Demolition	Truck Trips	Total Truck Trips			Contingency of 15%				
	1293	26050	1071.06117	24.3216735	56.1323045	1458	days	57 trips per day equipment and haul	
	2376					35461		1200 employee trips	
	2888								
	4856					40.45	1320		
	14637						122	truck trips total phase 2	
Cofferdam Construction						0.083676269			
	72	378	15.5416937	24.3216735					
	292								
	13								
	1								
Intake Structure Demolition									
	3750	3750	154.183469	24.3216735					
Intake Structure Tunnel Removal									
	646	957	39.3476213	24.3216735					
	266								
	45								
Coffer Dam Removal									
	72	4326	177.86605	24.3216735					
	4254								





## **Appendix D3.4**

---

### **Alt 8 Rail Emissions Calculations**



Breakwater, Intake Structure and Intake Tunnel Demolition Estimated Materials and Demolition Debris Quantities and Transport Trips

Activity	Days in Activity	Rail					
		Total Train Trips	Train Miles	Total Train Weight (tons per trip)	Miles/ RT SBCAPCD	Miles/ RT VCAPCD	Miles/RT MDAQMD
<i>Breakwater Demolition</i>	1045	231	89749	3000	238	116	486
<i>Coffer Dam Construction for Intake Structure Demolition</i>	261	1	900	3000	238	116	486
<i>Intake Structure</i>	500	29	25000	3000	238	116	486
<i>Coffer Dam Removal</i>	261	0	0	0	0	0	0

**Emission Factors**

Table 9.4 Locomotive Emission Factors

Engine Type	Unit	NOx	ROG	PM10	PM2.5	CO	SOx	CO <sub>2</sub> e
Large Line Haul	g/gal	74.00	2.74	1.60	1.55	26.62	0.10	10301.30
Large Line Haul	g/ton-mile	0.19	0.01	0.00	0.00	0.07	0.00	25.75
Railcar Mover	g/bhp-hr	1.00	0.08	0.02	0.01	1.83	--	--
Railcar Mover	g/gal	15.20	1.28	0.23	0.22	27.82	0.10	10301.30

\*Attachment 1 Live AQIA File Sheet 9. Rail\_Outside SLO and SB

Notes:

- Weight conversions

453.592 g/lb  
 2000 lb/ton  
 907184 g/ton  
 1000000 g/metric ton (MT)

**Emission Calculations**

Alternative 8 Rail Emissions not Included in Proposed Project

Rail Haul Emissions SBCAPCD							
Waste Type	Daily Emissions						CO <sub>2</sub> e
	NOx	ROG	PM10	PM2.5	CO	SOx	
	lbs/day						MT/year
<i>Breakwater Demolition</i>	2.79E-01	1.03E-02	6.03E-03	5.84E-03	1.00E-01	3.61E-04	6933.99
<i>Coffer Dam Construction</i>	1.12E+00	2.88E-02	2.26E-02	2.34E-02	4.01E-01	1.45E-03	69.53
<i>Intake Structure Demolition</i>	5.82E-01	9.64E-04	3.43E-01	1.22E-02	2.10E-01	7.55E-04	1931.49
<i>Coffer Dam Removal</i>	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00
<i>Maximum</i>	1.12	0.03	0.34	0.02	0.40	0.00	8935.01
Rail Haul Emissions VCAPCD							
Waste Type	Daily Emissions						
	NOx	ROG	PM10	PM2.5	CO	SOx	
	lbs/day						
<i>Breakwater Demolition</i>	1.36E-01	5.03E-03	2.94E-03	2.85E-03	4.89E-02	1.76E-04	
<i>Coffer Dam Construction</i>	5.44E-01	1.40E-02	1.10E-02	1.14E-02	1.96E-01	7.05E-04	
<i>Intake Structure Demolition</i>	2.84E-01	4.70E-04	1.67E-01	5.95E-03	1.02E-01	3.68E-04	
<i>Coffer Dam Removal</i>	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
<i>Maximum</i>	0.54	0.01	0.17	0.01	0.20	0.00	
Rail Haul Emissions MDAQMD							
Waste Type	Daily Emissions						
	NOx	ROG	PM10	PM2.5	CO	SOx	
	lbs/day						
<i>Breakwater Demolition</i>	5.69E-01	2.11E-02	1.23E-02	1.19E-02	2.05E-01	7.38E-04	
<i>Coffer Dam Construction</i>	2.28E+00	5.88E-02	4.61E-02	4.78E-02	8.20E-01	2.95E-03	
<i>Intake Structure Demolition</i>	1.19E+00	1.97E-03	7.01E-01	2.49E-02	4.28E-01	1.54E-03	
<i>Coffer Dam Removal</i>	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
<i>Maximum</i>	2.28	0.06	0.70	0.05	0.82	0.00	

<b>Proposed Project Phase I Rail Emissions</b>						
Santa Barbara County Air Pollution Control District (SBCAPCD)	6.3	0.8	0.2	0.2	24.3	0.1
Ventura County Air Pollution Control District (VCAPCD)	0.034	0.001	0.001	0.001	0.012	0.001
Mojave Desert Air Quality Management District (MDAQMD)	0.191	0.006	0.005	0.004	0.058	0.001

<b>Total Rail Emissions for Alternative 8</b>						
Santa Barbara County Air Pollution Control District (SBCAPCD)	7.42	0.83	0.54	0.22	24.70	0.10
Ventura County Air Pollution Control District (VCAPCD)	0.58	0.02	0.17	0.01	0.21	0.00
Mojave Desert Air Quality Management District (MDAQMD)	2.47	0.06	0.71	0.05	0.88	0.00

## **Appendix D3.5**

---

Alt 8 CalEEMod Output Files



### Land Overall Construction (Maximum Daily Emission)

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Year	lb/day									
2027	1.3809	12.2388	18.8636	0.0343	0.3263	0.4985	0.8249	0.0868	0.4753	0.5621
2028	6.7519	51.1761	100.0773	0.1782	1.9880	2.2405	4.2285	0.4576	2.1368	2.5943
2029	6.7372	51.1251	99.9817	0.1779	4.6497	2.2400	6.0494	0.8240	2.1363	2.5939
2030	4.7900	30.4248	74.0819	0.1665	5.2353	0.7373	5.9726	0.9818	0.7353	1.7171
2031	6.7378	32.6157	74.3588	0.1902	9.9146	0.9260	10.8406	1.6591	0.9248	2.5839
2032	6.7269	32.5623	74.3144	0.1898	9.9146	0.9256	10.8402	1.6591	0.9244	2.5835
<b>Maximum Phase 1</b>	6.7519	51.1761	100.0773	0.1782	4.6497	2.2405	6.0494	0.8240	2.1368	2.5943
<b>Maximum Phase 2</b>	6.7378	51.1251	99.9817	0.1902	9.9146	2.2400	10.8406	1.6591	2.1363	2.5939

### Land Overall Construction

	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	MT/yr					
2027	0.0000	392.6477	392.6477	0.0748	2.2300e-003	395.18
2028	0.0000	2,036.8069	2,036.8069	0.4231	0.0163	2052.23
2029	0.0000	1,539.6651	1,539.6651	0.2941	0.0231	1553.90
2030	0.0000	1,917.3251	1,917.3251	0.0799	0.0458	1932.96
2031	0.0000	2,254.9787	2,254.9787	0.0908	0.0277	2265.51
2032	0.0000	2,259.4119	2,259.4119	0.0913	0.0274	2269.85
<b>Total</b>	0.0000		<b>3,030.2886</b>	0.5878	0.0458	<b>10469.63</b>

### Marine Overall Construction (Maximum Daily Emission)

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Year	lb/day									
2027	1.3779	12.0468	18.8073	0.0335	0.3010	0.4971	0.7981	0.0798	0.4739	0.5537
2028	6.7263	49.5289	99.5749	0.1716	1.7659	2.2277	3.9936	0.3968	2.1245	2.5213
2029	6.7121	49.5166	99.4729	0.1714	4.2140	2.2274	5.5892	0.7046	2.1243	2.5210
2030	4.7098	25.3040	72.4125	0.1459	4.5150	0.6973	5.2123	0.7845	0.6971	1.4815
2031	9.9883	48.5231	122.0772	0.2762	13.6937	1.4213	15.1150	2.2446	1.4210	3.6656
2032	6.6796	29.5574	73.2835	0.1779	9.4797	0.9022	10.3818	1.5400	0.9020	2.4419
<b>Maximum Phase 1</b>	6.7263	49.5289	99.5749	0.1716	4.2140	2.2277	5.5892	0.7046	2.1245	2.5213
<b>Maximum Phase 2</b>	9.9883	49.5166	122.0772	0.2762	13.6937	2.2274	15.1150	2.2446	2.1243	3.6656

### Marine Overall Construction

	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	MT/yr					
2027	0.0000	382.2775	382.2775	0.0741	5.8000e-004	384.3009
2028	0.0000	1,948.0743	1,948.0743	0.4163	2.0600e-003	1,959.10
2029	0.0000	1,404.2440	1,404.2440	0.2831	1.4200e-003	1,411.74
2030	0.0000	1,640.9227	1,640.9227	0.0565	1.4800e-003	1,642.78
2031	0.0000	2,556.5633	2,556.5633	0.0934	1.8800e-003	2,559.46
2032	0.0000	2,097.7842	2,097.7842	0.0766	1.4400e-003	2,100.13
<b>Total</b>	0.0000	382.2775	382.2775	1.0000	0.0000	<b>10,057.50</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**Diablo Canyon Decommissioning Alternative 8  
South Central Coast Air Basin, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Heavy Industry	32,670.00	1000sqft	750.00	32,670,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.9	<b>Precipitation Freq (Days)</b>	37
<b>Climate Zone</b>	4			<b>Operational Year</b>	2024
<b>Utility Company</b>					
<b>CO2 Intensity (lb/MWhr)</b>	0	<b>CH4 Intensity (lb/MWhr)</b>	0	<b>N2O Intensity (lb/MWhr)</b>	0

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

- Project Characteristics -
- Land Use -
- Construction Phase - Estimated timeline Alt 8 conceptual schedule
- Off-road Equipment - equipment list
- Off-road Equipment - coffer dam equipment
- Off-road Equipment - coffer removal
- Off-road Equipment - estimated demolition equipment
- Off-road Equipment - estimated construction equipment
- Off-road Equipment - estimated demolition equipment
- Trips and VMT - Trip Estimates
- Demolition -
- Grading - Grading tab



Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Vehicle Trips - no operational

Vehicle Emission Factors - no operational

Vehicle Emission Factors -

Vehicle Emission Factors -

Road Dust - no operational

Consumer Products - no operational

Area Coating - no architectural coating

Energy Use - no operational

Water And Wastewater - no indoor water use

Solid Waste - no op

Construction Off-road Equipment Mitigation - APM AQ 1-5

Fleet Mix - no operational

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	0
tblAreaCoating	Area_EF_Nonresidential_Interior	250	0
tblAreaCoating	Area_EF_Parking	250	0
tblAreaCoating	Area_EF_Residential_Exterior	250	0
tblAreaCoating	Area_EF_Residential_Interior	250	0
tblAreaCoating	Area_Nonresidential_Exterior	16335000	0
tblAreaCoating	Area_Nonresidential_Interior	49005000	0
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	480.00	261.00
tblConstructionPhase	NumDays	800.00	370.00
tblConstructionPhase	NumDays	800.00	522.00
tblConstructionPhase	NumDays	800.00	261.00
tblConstructionPhase	NumDays	800.00	523.00
tblConsumerProducts	ROG_EF	2.14E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblEnergyUse	LightingElect	3.08	0.00
tblEnergyUse	NT24E	3.70	0.00
tblEnergyUse	NT24NG	6.67	0.00
tblEnergyUse	T24E	1.32	0.00
tblEnergyUse	T24NG	19.51	0.00
tblOffRoadEquipment	HorsePower	97.00	124.00
tblOffRoadEquipment	HorsePower	97.00	158.00
tblOffRoadEquipment	LoadFactor	0.37	0.44
tblOffRoadEquipment	LoadFactor	0.37	0.38
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblRoadDust	MeanVehicleSpeed	40	0
tblRoadDust	MobileAverageVehicleWeight	2.4	0
tblRoadDust	RoadSiltLoading	0.1	0
tblSolidWaste	SolidWasteGenerationRate	40,510.80	0.00
tblTripsAndVMT	HaulingTripNumber	0.00	378.00
tblTripsAndVMT	HaulingTripNumber	2,337.00	4,707.00
tblTripsAndVMT	HaulingTripNumber	19,028.00	13,025.00
tblTripsAndVMT	HaulingTripNumber	0.00	4,254.00
tblTripsAndVMT	HaulingTripNumber	44,971.00	13,025.00
tblTripsAndVMT	VendorTripLength	7.30	13.00
tblTripsAndVMT	VendorTripLength	7.30	13.00
tblTripsAndVMT	VendorTripLength	7.30	13.00
tblTripsAndVMT	VendorTripLength	7.30	13.00
tblTripsAndVMT	VendorTripLength	7.30	13.00
tblTripsAndVMT	WorkerTripLength	10.80	22.00
tblTripsAndVMT	WorkerTripLength	10.80	22.00
tblTripsAndVMT	WorkerTripLength	10.80	22.00
tblTripsAndVMT	WorkerTripLength	10.80	22.00
tblTripsAndVMT	WorkerTripLength	10.80	22.00
tblVehicleTrips	ST_TR	6.42	0.00
tblVehicleTrips	SU_TR	5.09	0.00
tblVehicleTrips	WD_TR	3.93	0.00
tblWater	ElectricityIntensityFactorForWastewaterTreatment	1,911.00	0.00
tblWater	ElectricityIntensityFactorToDistribute	1,272.00	0.00
tblWater	ElectricityIntensityFactorToSupply	2,117.00	0.00
tblWater	ElectricityIntensityFactorToTreat	111.00	0.00
tblWater	IndoorWaterUseRate	7,554,937,500.00	0.00

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**2.0 Emissions Summary**

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

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2027	1.4901	13.5966	18.7332	0.0343	0.3263	0.5554	0.8817	0.0868	0.5272	0.6139	0.0000	3,315.4738	3,315.4738	0.6321	0.0190	3,336.9293
2028	8.7346	74.0048	90.6025	0.1782	2.7565	3.1052	5.8616	0.5740	2.9328	3.5067	0.0000	17,266.7409	17,266.7409	3.5880	0.1382	17,397.6321
2029	8.7200	73.9538	90.5070	0.1779	9.0847	3.1046	10.7618	1.4955	2.9323	3.5063	0.0000	17,229.6600	17,229.6600	3.5884	0.2397	17,359.5217
2030	5.5543	33.0457	72.2546	0.1665	9.6704	0.8322	10.5025	1.6533	0.8302	2.4835	0.0000	16,193.3928	16,193.3928	0.6746	0.3869	16,325.5551
2031	7.4428	35.0032	73.1494	0.1902	20.3767	1.0015	21.3782	3.2432	1.0003	4.2435	0.0000	19,044.9087	19,044.9087	0.7667	0.2347	19,134.0052
2032	7.4318	34.9499	73.1050	0.1898	20.3767	1.0010	21.3777	3.2432	0.9998	4.2430	0.0000	19,009.5758	19,009.5758	0.7679	0.2305	19,097.4717
<b>Maximum</b>	<b>8.7346</b>	<b>74.0048</b>	<b>90.6025</b>	<b>0.1902</b>	<b>20.3767</b>	<b>3.1052</b>	<b>21.3782</b>	<b>3.2432</b>	<b>2.9328</b>	<b>4.2435</b>	<b>0.0000</b>	<b>19,044.9087</b>	<b>19,044.9087</b>	<b>3.5884</b>	<b>0.3869</b>	<b>19,134.0052</b>



Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3075	0.0302	3.3303	2.5000e-004		0.0119	0.0119		0.0119	0.0119		7.1499	7.1499	0.0187		7.6166
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.3075</b>	<b>0.0302</b>	<b>3.3303</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>0.0119</b>	<b>0.0119</b>	<b>0.0000</b>	<b>0.0119</b>	<b>0.0119</b>		<b>7.1499</b>	<b>7.1499</b>	<b>0.0187</b>	<b>0.0000</b>	<b>7.6166</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	0.3075	0.0302	3.3303	2.5000e-004		0.0119	0.0119		0.0119	0.0119		7.1499	7.1499	0.0187		7.6166
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.3075</b>	<b>0.0302</b>	<b>3.3303</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>0.0119</b>	<b>0.0119</b>	<b>0.0000</b>	<b>0.0119</b>	<b>0.0119</b>		<b>7.1499</b>	<b>7.1499</b>	<b>0.0187</b>	<b>0.0000</b>	<b>7.6166</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	ROG	NOx	CO	SO2	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	Coffer Dam Construction	Site Preparation	1/1/2027	12/31/2027	5	261	
2	Intake Structure	Demolition	1/1/2028	6/1/2029	5	370	
3	Eastern Breakwater	Demolition	6/2/2029	12/31/2030	5	522	
4	Coffer Dam Removal	Demolition	1/1/2030	12/31/2030	5	261	
5	Western Breakwater	Demolition	1/1/2031	12/31/2032	5	523	

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

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

**Acres of Paving: 0**

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

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Coffer Dam Construction	Cranes	1	8.00	231	0.29
Coffer Dam Construction	Pumps	2	8.00	84	0.74
Coffer Dam Construction	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Intake Structure	Concrete/Industrial Saws	3	8.00	81	0.73
Intake Structure	Crushing/Proc. Equipment	3	8.00	85	0.78
Intake Structure	Crushing/Proc. Equipment	3	8.00	85	0.78

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Intake Structure	Excavators	3	8.00	158	0.38
Intake Structure	Graders	3	8.00	187	0.41
Intake Structure	Other Construction Equipment	3	8.00	172	0.42
Intake Structure	Rubber Tired Dozers	3	8.00	247	0.40
Intake Structure	Tractors/Loaders/Backhoes	3	8.00	124	0.44
Intake Structure	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Eastern Breakwater	Concrete/Industrial Saws	1	8.00	81	0.73
Eastern Breakwater	Crushing/Proc. Equipment	2	8.00	85	0.78
Eastern Breakwater	Crushing/Proc. Equipment	1	8.00	85	0.78
Eastern Breakwater	Excavators	2	8.00	158	0.38
Eastern Breakwater	Generator Sets	2	8.00	84	0.74
Eastern Breakwater	Other Construction Equipment	2	8.00	172	0.42
Eastern Breakwater	Rubber Tired Dozers	2	8.00	247	0.40
Eastern Breakwater	Skid Steer Loaders	2	8.00	65	0.37
Coffer Dam Removal	Cranes	1	8.00	231	0.29
Coffer Dam Removal	Pumps	2	8.00	84	0.74
Coffer Dam Removal	Tractors/Loaders/Backhoes	4	8.00	158	0.38
Western Breakwater	Concrete/Industrial Saws	3	8.00	81	0.73
Western Breakwater	Cranes	1	8.00	231	0.29
Western Breakwater	Crushing/Proc. Equipment	3	8.00	85	0.78
Western Breakwater	Excavators	3	8.00	158	0.38
Western Breakwater	Off-Highway Trucks	3	8.00	402	0.38
Western Breakwater	Other Construction Equipment	3	8.00	172	0.42
Western Breakwater	Rubber Tired Dozers	3	8.00	247	0.40
Western Breakwater	Tractors/Loaders/Backhoes	3	8.00	97	0.37

**Trips and VMT**



Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

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
Coffer Dam Construction	7	18.00	0.00	378.00	22.00	13.00	20.00	LD_Mix	HDT_Mix	HHDT
Intake Structure	27	68.00	0.00	4,707.00	22.00	13.00	20.00	LD_Mix	HDT_Mix	HHDT
Eastern Breakwater	14	35.00	0.00	13,025.00	22.00	13.00	20.00	LD_Mix	HDT_Mix	HHDT
Coffer Dam Removal	7	18.00	0.00	4,254.00	22.00	13.00	20.00	LD_Mix	HDT_Mix	HHDT
Western Breakwater	22	55.00	0.00	13,025.00	22.00	13.00	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

**3.2 Coffer Dam Construction - 2027**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.4136	13.3606	18.0859	0.0314		0.5528	0.5528		0.5247	0.5247		3,013.1188	3,013.1188	0.6219		3,028.6670
<b>Total</b>	<b>1.4136</b>	<b>13.3606</b>	<b>18.0859</b>	<b>0.0314</b>	<b>0.0000</b>	<b>0.5528</b>	<b>0.5528</b>	<b>0.0000</b>	<b>0.5247</b>	<b>0.5247</b>		<b>3,013.1188</b>	<b>3,013.1188</b>	<b>0.6219</b>		<b>3,028.6670</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Coffey Dam Construction - 2027**

**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	2.9600e-003	0.1920	0.0563	7.8000e-004	0.0253	1.4800e-003	0.0268	6.9300e-003	1.4200e-003	8.3400e-003		87.6431	87.6431	6.4700e-003	0.0140	91.9796
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
Worker	0.0735	0.0440	0.5910	2.1200e-003	0.3010	1.1600e-003	0.3022	0.0798	1.0700e-003	0.0809		214.7120	214.7120	3.7300e-003	4.9600e-003	216.2826
<b>Total</b>	<b>0.0765</b>	<b>0.2360</b>	<b>0.6473</b>	<b>2.9000e-003</b>	<b>0.3263</b>	<b>2.6400e-003</b>	<b>0.3290</b>	<b>0.0868</b>	<b>2.4900e-003</b>	<b>0.0892</b>		<b>302.3550</b>	<b>302.3550</b>	<b>0.0102</b>	<b>0.0190</b>	<b>308.2622</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.3044	12.0028	18.2163	0.0314		0.4959	0.4959		0.4728	0.4728	0.0000	3,013.1188	3,013.1188	0.6219		3,028.6670
<b>Total</b>	<b>1.3044</b>	<b>12.0028</b>	<b>18.2163</b>	<b>0.0314</b>	<b>0.0000</b>	<b>0.4959</b>	<b>0.4959</b>	<b>0.0000</b>	<b>0.4728</b>	<b>0.4728</b>	<b>0.0000</b>	<b>3,013.1188</b>	<b>3,013.1188</b>	<b>0.6219</b>		<b>3,028.6670</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Coffer Dam Construction - 2027**

**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	2.9600e-003	0.1920	0.0563	7.8000e-004	0.0253	1.4800e-003	0.0268	6.9300e-003	1.4200e-003	8.3400e-003		87.6431	87.6431	6.4700e-003	0.0140	91.9796
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
Worker	0.0735	0.0440	0.5910	2.1200e-003	0.3010	1.1600e-003	0.3022	0.0798	1.0700e-003	0.0809		214.7120	214.7120	3.7300e-003	4.9600e-003	216.2826
<b>Total</b>	<b>0.0765</b>	<b>0.2360</b>	<b>0.6473</b>	<b>2.9000e-003</b>	<b>0.3263</b>	<b>2.6400e-003</b>	<b>0.3290</b>	<b>0.0868</b>	<b>2.4900e-003</b>	<b>0.0892</b>		<b>302.3550</b>	<b>302.3550</b>	<b>0.0102</b>	<b>0.0190</b>	<b>308.2622</b>

**3.3 Intake Structure - 2028**

**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					1.3972	0.0000	1.3972	0.2116	0.0000	0.2116			0.0000			0.0000
Off-Road	8.4456	72.2056	87.9834	0.1637		3.0883	3.0883		2.9168	2.9168		15,724.70 13	15,724.70 13	3.5168		15,812.62 18
<b>Total</b>	<b>8.4456</b>	<b>72.2056</b>	<b>87.9834</b>	<b>0.1637</b>	<b>1.3972</b>	<b>3.0883</b>	<b>4.4854</b>	<b>0.2116</b>	<b>2.9168</b>	<b>3.1284</b>		<b>15,724.70 13</b>	<b>15,724.70 13</b>	<b>3.5168</b>		<b>15,812.62 18</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Intake Structure - 2028**

**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	0.0256	1.6472	0.5024	6.6800e-003	0.2221	0.0128	0.2349	0.0609	0.0122	0.0731		752.8081	752.8081	0.0583	0.1204	790.1501
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
Worker	0.2635	0.1520	2.1168	7.8100e-003	1.1372	4.1000e-003	1.1413	0.3016	3.7800e-003	0.3053		789.2316	789.2316	0.0129	0.0178	794.8602
<b>Total</b>	<b>0.2891</b>	<b>1.7992</b>	<b>2.6191</b>	<b>0.0145</b>	<b>1.3593</b>	<b>0.0169</b>	<b>1.3762</b>	<b>0.3624</b>	<b>0.0160</b>	<b>0.3784</b>		<b>1,542.0397</b>	<b>1,542.0397</b>	<b>0.0712</b>	<b>0.1382</b>	<b>1,585.0103</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6287	0.0000	0.6287	0.0952	0.0000	0.0952			0.0000			0.0000
Off-Road	6.4628	49.3769	97.4582	0.1637		2.2236	2.2236		2.1208	2.1208	0.0000	15,724.7012	15,724.7012	3.5168		15,812.6218
<b>Total</b>	<b>6.4628</b>	<b>49.3769</b>	<b>97.4582</b>	<b>0.1637</b>	<b>0.6287</b>	<b>2.2236</b>	<b>2.8523</b>	<b>0.0952</b>	<b>2.1208</b>	<b>2.2160</b>	<b>0.0000</b>	<b>15,724.7012</b>	<b>15,724.7012</b>	<b>3.5168</b>		<b>15,812.6218</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Intake Structure - 2028**

**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	0.0256	1.6472	0.5024	6.6800e-003	0.2221	0.0128	0.2349	0.0609	0.0122	0.0731		752.8081	752.8081	0.0583	0.1204	790.1501
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
Worker	0.2635	0.1520	2.1168	7.8100e-003	1.1372	4.1000e-003	1.1413	0.3016	3.7800e-003	0.3053		789.2316	789.2316	0.0129	0.0178	794.8602
<b>Total</b>	<b>0.2891</b>	<b>1.7992</b>	<b>2.6191</b>	<b>0.0145</b>	<b>1.3593</b>	<b>0.0169</b>	<b>1.3762</b>	<b>0.3624</b>	<b>0.0160</b>	<b>0.3784</b>		<b>1,542.0397</b>	<b>1,542.0397</b>	<b>0.0712</b>	<b>0.1382</b>	<b>1,585.0103</b>

**3.3 Intake Structure - 2029**

**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					1.3972	0.0000	1.3972	0.2116	0.0000	0.2116			0.0000			0.0000
Off-Road	8.4456	72.2056	87.9834	0.1637		3.0883	3.0883		2.9168	2.9168		15,724.7013	15,724.7013	3.5168		15,812.6218
<b>Total</b>	<b>8.4456</b>	<b>72.2056</b>	<b>87.9834</b>	<b>0.1637</b>	<b>1.3972</b>	<b>3.0883</b>	<b>4.4854</b>	<b>0.2116</b>	<b>2.9168</b>	<b>3.1284</b>		<b>15,724.7013</b>	<b>15,724.7013</b>	<b>3.5168</b>		<b>15,812.6218</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Intake Structure - 2029**

**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	0.0251	1.6086	0.5088	6.5000e-003	0.2221	0.0125	0.2346	0.0609	0.0120	0.0728		735.4573	735.4573	0.0597	0.1177	772.0325
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
Worker	0.2493	0.1396	2.0148	7.6100e-003	1.1372	3.8300e-003	1.1410	0.3016	3.5300e-003	0.3051		769.5015	769.5015	0.0119	0.0170	774.8675
<b>Total</b>	<b>0.2744</b>	<b>1.7482</b>	<b>2.5236</b>	<b>0.0141</b>	<b>1.3593</b>	<b>0.0163</b>	<b>1.3757</b>	<b>0.3624</b>	<b>0.0155</b>	<b>0.3779</b>		<b>1,504.9588</b>	<b>1,504.9588</b>	<b>0.0716</b>	<b>0.1347</b>	<b>1,546.8999</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6287	0.0000	0.6287	0.0952	0.0000	0.0952			0.0000			0.0000
Off-Road	6.4628	49.3769	97.4582	0.1637		2.2236	2.2236		2.1208	2.1208	0.0000	15,724.7012	15,724.7012	3.5168		15,812.6218
<b>Total</b>	<b>6.4628</b>	<b>49.3769</b>	<b>97.4582</b>	<b>0.1637</b>	<b>0.6287</b>	<b>2.2236</b>	<b>2.8523</b>	<b>0.0952</b>	<b>2.1208</b>	<b>2.2160</b>	<b>0.0000</b>	<b>15,724.7012</b>	<b>15,724.7012</b>	<b>3.5168</b>		<b>15,812.6218</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Intake Structure - 2029**

**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	0.0251	1.6086	0.5088	6.5000e-003	0.2221	0.0125	0.2346	0.0609	0.0120	0.0728		735.4573	735.4573	0.0597	0.1177	772.0325
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
Worker	0.2493	0.1396	2.0148	7.6100e-003	1.1372	3.8300e-003	1.1410	0.3016	3.5300e-003	0.3051		769.5015	769.5015	0.0119	0.0170	774.8675
<b>Total</b>	<b>0.2744</b>	<b>1.7482</b>	<b>2.5236</b>	<b>0.0141</b>	<b>1.3593</b>	<b>0.0163</b>	<b>1.3757</b>	<b>0.3624</b>	<b>0.0155</b>	<b>0.3779</b>		<b>1,504.9588</b>	<b>1,504.9588</b>	<b>0.0716</b>	<b>0.1347</b>	<b>1,546.8999</b>

**3.4 Eastern Breakwater - 2029**

**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					8.0637	0.0000	8.0637	1.2210	0.0000	1.2210			0.0000			0.0000
Off-Road	4.3853	37.7589	47.1873	0.0844		1.6506	1.6506		1.5679	1.5679		8,085.1208	8,085.1208	1.5563		8,124.0285
<b>Total</b>	<b>4.3853</b>	<b>37.7589</b>	<b>47.1873</b>	<b>0.0844</b>	<b>8.0637</b>	<b>1.6506</b>	<b>9.7143</b>	<b>1.2210</b>	<b>1.5679</b>	<b>2.7888</b>		<b>8,085.1208</b>	<b>8,085.1208</b>	<b>1.5563</b>		<b>8,124.0285</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Eastern Breakwater - 2029**

**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	0.0492	3.1550	0.9979	0.0128	0.4357	0.0245	0.4602	0.1194	0.0235	0.1428		1,442.521 2	1,442.521 2	0.1171	0.2309	1,514.259 5
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
Worker	0.1283	0.0719	1.0370	3.9200e-003	0.5853	1.9700e-003	0.5873	0.1552	1.8200e-003	0.1570		396.0670	396.0670	6.1300e-003	8.7500e-003	398.8288
<b>Total</b>	<b>0.1775</b>	<b>3.2269</b>	<b>2.0349</b>	<b>0.0167</b>	<b>1.0210</b>	<b>0.0265</b>	<b>1.0475</b>	<b>0.2746</b>	<b>0.0253</b>	<b>0.2999</b>		<b>1,838.588 1</b>	<b>1,838.588 1</b>	<b>0.1232</b>	<b>0.2397</b>	<b>1,913.088 3</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					3.6287	0.0000	3.6287	0.5494	0.0000	0.5494			0.0000			0.0000
Off-Road	3.7827	32.6730	49.0961	0.0844		1.3732	1.3732		1.3035	1.3035	0.0000	8,085.120 8	8,085.120 8	1.5563		8,124.028 5
<b>Total</b>	<b>3.7827</b>	<b>32.6730</b>	<b>49.0961</b>	<b>0.0844</b>	<b>3.6287</b>	<b>1.3732</b>	<b>5.0019</b>	<b>0.5494</b>	<b>1.3035</b>	<b>1.8529</b>	<b>0.0000</b>	<b>8,085.120 8</b>	<b>8,085.120 8</b>	<b>1.5563</b>		<b>8,124.028 5</b>



Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Eastern Breakwater - 2029**

**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	0.0492	3.1550	0.9979	0.0128	0.4357	0.0245	0.4602	0.1194	0.0235	0.1428		1,442.521 2	1,442.521 2	0.1171	0.2309	1,514.259 5
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
Worker	0.1283	0.0719	1.0370	3.9200e-003	0.5853	1.9700e-003	0.5873	0.1552	1.8200e-003	0.1570		396.0670	396.0670	6.1300e-003	8.7500e-003	398.8288
<b>Total</b>	<b>0.1775</b>	<b>3.2269</b>	<b>2.0349</b>	<b>0.0167</b>	<b>1.0210</b>	<b>0.0265</b>	<b>1.0475</b>	<b>0.2746</b>	<b>0.0253</b>	<b>0.2999</b>		<b>1,838.588 1</b>	<b>1,838.588 1</b>	<b>0.1232</b>	<b>0.2397</b>	<b>1,913.088 3</b>

**3.4 Eastern Breakwater - 2030**

**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					8.0637	0.0000	8.0637	1.2210	0.0000	1.2210			0.0000			0.0000
Off-Road	3.7853	21.2422	46.4819	0.0945		0.5974	0.5974		0.5974	0.5974		8,946.700 2	8,946.700 2	0.3357		8,955.092 1
<b>Total</b>	<b>3.7853</b>	<b>21.2422</b>	<b>46.4819</b>	<b>0.0945</b>	<b>8.0637</b>	<b>0.5974</b>	<b>8.6611</b>	<b>1.2210</b>	<b>0.5974</b>	<b>1.8184</b>		<b>8,946.700 2</b>	<b>8,946.700 2</b>	<b>0.3357</b>		<b>8,955.092 1</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Eastern Breakwater - 2030**

**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	0.0485	3.0975	1.0098	0.0125	0.4357	0.0242	0.4599	0.1194	0.0231	0.1425		1,413.0527	1,413.0527	0.1194	0.2263	1,483.4863
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
Worker	0.1212	0.0664	0.9919	3.8300e-003	0.5853	1.8400e-003	0.5872	0.1552	1.7000e-003	0.1569		386.9604	386.9604	5.6600e-003	8.4000e-003	389.6061
<b>Total</b>	<b>0.1697</b>	<b>3.1639</b>	<b>2.0017</b>	<b>0.0163</b>	<b>1.0210</b>	<b>0.0260</b>	<b>1.0470</b>	<b>0.2746</b>	<b>0.0248</b>	<b>0.2994</b>		<b>1,800.0130</b>	<b>1,800.0130</b>	<b>0.1251</b>	<b>0.2347</b>	<b>1,873.0924</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					3.6287	0.0000	3.6287	0.5494	0.0000	0.5494			0.0000			0.0000
Off-Road	3.1843	18.8977	47.7848	0.0945		0.5173	0.5173		0.5173	0.5173	0.0000	8,946.7002	8,946.7002	0.3357		8,955.0921
<b>Total</b>	<b>3.1843</b>	<b>18.8977</b>	<b>47.7848</b>	<b>0.0945</b>	<b>3.6287</b>	<b>0.5173</b>	<b>4.1459</b>	<b>0.5494</b>	<b>0.5173</b>	<b>1.0667</b>	<b>0.0000</b>	<b>8,946.7002</b>	<b>8,946.7002</b>	<b>0.3357</b>		<b>8,955.0921</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Eastern Breakwater - 2030**

**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	0.0485	3.0975	1.0098	0.0125	0.4357	0.0242	0.4599	0.1194	0.0231	0.1425		1,413.0527	1,413.0527	0.1194	0.2263	1,483.4863
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
Worker	0.1212	0.0664	0.9919	3.8300e-003	0.5853	1.8400e-003	0.5872	0.1552	1.7000e-003	0.1569		386.9604	386.9604	5.6600e-003	8.4000e-003	389.6061
<b>Total</b>	<b>0.1697</b>	<b>3.1639</b>	<b>2.0017</b>	<b>0.0163</b>	<b>1.0210</b>	<b>0.0260</b>	<b>1.0470</b>	<b>0.2746</b>	<b>0.0248</b>	<b>0.2994</b>		<b>1,800.0130</b>	<b>1,800.0130</b>	<b>0.1251</b>	<b>0.2347</b>	<b>1,873.0924</b>

**3.5 Coffe Dam Removal - 2030**

**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	1.5053	6.5822	22.6012	0.0457		0.1920	0.1920		0.1920	0.1920		4,324.6578	4,324.6578	0.1329		4,327.9805
<b>Total</b>	<b>1.5053</b>	<b>6.5822</b>	<b>22.6012</b>	<b>0.0457</b>		<b>0.1920</b>	<b>0.1920</b>		<b>0.1920</b>	<b>0.1920</b>		<b>4,324.6578</b>	<b>4,324.6578</b>	<b>0.1329</b>		<b>4,327.9805</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Coffey Dam Removal - 2030**

**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	0.0317	2.0233	0.6596	8.1400e-003	0.2846	0.0158	0.3004	0.0780	0.0151	0.0931		923.0136	923.0136	0.0780	0.1478	969.0212
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
Worker	0.0623	0.0341	0.5101	1.9700e-003	0.3010	9.5000e-004	0.3020	0.0798	8.7000e-004	0.0807		199.0082	199.0082	2.9100e-003	4.3200e-003	200.3689
<b>Total</b>	<b>0.0940</b>	<b>2.0574</b>	<b>1.1698</b>	<b>0.0101</b>	<b>0.5856</b>	<b>0.0167</b>	<b>0.6024</b>	<b>0.1578</b>	<b>0.0160</b>	<b>0.1738</b>		<b>1,122.0218</b>	<b>1,122.0218</b>	<b>0.0809</b>	<b>0.1522</b>	<b>1,169.3901</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	1.3420	6.3059	23.1257	0.0457		0.1773	0.1773		0.1773	0.1773	0.0000	4,324.6577	4,324.6577	0.1329		4,327.9805
<b>Total</b>	<b>1.3420</b>	<b>6.3059</b>	<b>23.1257</b>	<b>0.0457</b>		<b>0.1773</b>	<b>0.1773</b>		<b>0.1773</b>	<b>0.1773</b>	<b>0.0000</b>	<b>4,324.6577</b>	<b>4,324.6577</b>	<b>0.1329</b>		<b>4,327.9805</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Coffey Dam Removal - 2030**

**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	0.0317	2.0233	0.6596	8.1400e-003	0.2846	0.0158	0.3004	0.0780	0.0151	0.0931		923.0136	923.0136	0.0780	0.1478	969.0212
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
Worker	0.0623	0.0341	0.5101	1.9700e-003	0.3010	9.5000e-004	0.3020	0.0798	8.7000e-004	0.0807		199.0082	199.0082	2.9100e-003	4.3200e-003	200.3689
<b>Total</b>	<b>0.0940</b>	<b>2.0574</b>	<b>1.1698</b>	<b>0.0101</b>	<b>0.5856</b>	<b>0.0167</b>	<b>0.6024</b>	<b>0.1578</b>	<b>0.0160</b>	<b>0.1738</b>		<b>1,122.0218</b>	<b>1,122.0218</b>	<b>0.0809</b>	<b>0.1522</b>	<b>1,169.3901</b>

**3.6 Western Breakwater - 2031**

**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					19.0220	0.0000	19.0220	2.8802	0.0000	2.8802			0.0000			0.0000
Off-Road	7.2159	31.8549	70.6301	0.1721		0.9751	0.9751		0.9751	0.9751		17,063.9907	17,063.9907	0.6371		17,079.9185
<b>Total</b>	<b>7.2159</b>	<b>31.8549</b>	<b>70.6301</b>	<b>0.1721</b>	<b>19.0220</b>	<b>0.9751</b>	<b>19.9970</b>	<b>2.8802</b>	<b>0.9751</b>	<b>3.8552</b>		<b>17,063.9907</b>	<b>17,063.9907</b>	<b>0.6371</b>		<b>17,079.9185</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Western Breakwater - 2031**

**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	0.0478	3.0517	1.0203	0.0122	0.4349	0.0237	0.4586	0.1191	0.0227	0.1418		1,384.7889	1,384.7889	0.1213	0.2219	1,453.9570
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
Worker	0.1790	0.0966	1.4990	5.9000e-003	0.9198	2.7200e-003	0.9225	0.2439	2.5100e-003	0.2464		596.1291	596.1291	8.2400e-003	0.0127	600.1297
<b>Total</b>	<b>0.2268</b>	<b>3.1483</b>	<b>2.5193</b>	<b>0.0181</b>	<b>1.3547</b>	<b>0.0264</b>	<b>1.3811</b>	<b>0.3630</b>	<b>0.0252</b>	<b>0.3882</b>		<b>1,980.9180</b>	<b>1,980.9180</b>	<b>0.1296</b>	<b>0.2347</b>	<b>2,054.0867</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.5599	0.0000	8.5599	1.2961	0.0000	1.2961			0.0000			0.0000
Off-Road	6.5110	29.4674	71.8395	0.1721		0.8996	0.8996		0.8996	0.8996	0.0000	17,063.9907	17,063.9907	0.6371		17,079.9185
<b>Total</b>	<b>6.5110</b>	<b>29.4674</b>	<b>71.8395</b>	<b>0.1721</b>	<b>8.5599</b>	<b>0.8996</b>	<b>9.4595</b>	<b>1.2961</b>	<b>0.8996</b>	<b>2.1957</b>	<b>0.0000</b>	<b>17,063.9907</b>	<b>17,063.9907</b>	<b>0.6371</b>		<b>17,079.9185</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Western Breakwater - 2031**

**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	0.0478	3.0517	1.0203	0.0122	0.4349	0.0237	0.4586	0.1191	0.0227	0.1418		1,384.7889	1,384.7889	0.1213	0.2219	1,453.9570
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
Worker	0.1790	0.0966	1.4990	5.9000e-003	0.9198	2.7200e-003	0.9225	0.2439	2.5100e-003	0.2464		596.1291	596.1291	8.2400e-003	0.0127	600.1297
<b>Total</b>	<b>0.2268</b>	<b>3.1483</b>	<b>2.5193</b>	<b>0.0181</b>	<b>1.3547</b>	<b>0.0264</b>	<b>1.3811</b>	<b>0.3630</b>	<b>0.0252</b>	<b>0.3882</b>		<b>1,980.9180</b>	<b>1,980.9180</b>	<b>0.1296</b>	<b>0.2347</b>	<b>2,054.0867</b>

**3.6 Western Breakwater - 2032**

**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					19.0220	0.0000	19.0220	2.8802	0.0000	2.8802			0.0000			0.0000
Off-Road	7.2159	31.8549	70.6301	0.1721		0.9751	0.9751		0.9751	0.9751		17,063.9907	17,063.9907	0.6371		17,079.9185
<b>Total</b>	<b>7.2159</b>	<b>31.8549</b>	<b>70.6301</b>	<b>0.1721</b>	<b>19.0220</b>	<b>0.9751</b>	<b>19.9970</b>	<b>2.8802</b>	<b>0.9751</b>	<b>3.8552</b>		<b>17,063.9907</b>	<b>17,063.9907</b>	<b>0.6371</b>		<b>17,079.9185</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Western Breakwater - 2032**

**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	0.0473	3.0049	1.0309	0.0120	0.4349	0.0234	0.4583	0.1192	0.0224	0.1416		1,360.841 1	1,360.841 1	0.1232	0.2182	1,428.943 6
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
Worker	0.1686	0.0901	1.4440	5.7800e-003	0.9198	2.5500e-003	0.9223	0.2439	2.3500e-003	0.2463		584.7439	584.7439	7.6500e-003	0.0123	588.6096
<b>Total</b>	<b>0.2159</b>	<b>3.0950</b>	<b>2.4749</b>	<b>0.0177</b>	<b>1.3547</b>	<b>0.0260</b>	<b>1.3807</b>	<b>0.3631</b>	<b>0.0248</b>	<b>0.3878</b>		<b>1,945.585 0</b>	<b>1,945.585 0</b>	<b>0.1308</b>	<b>0.2305</b>	<b>2,017.553 2</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.5599	0.0000	8.5599	1.2961	0.0000	1.2961			0.0000			0.0000
Off-Road	6.5110	29.4674	71.8395	0.1721		0.8996	0.8996		0.8996	0.8996	0.0000	17,063.99 07	17,063.99 07	0.6371		17,079.91 85
<b>Total</b>	<b>6.5110</b>	<b>29.4674</b>	<b>71.8395</b>	<b>0.1721</b>	<b>8.5599</b>	<b>0.8996</b>	<b>9.4595</b>	<b>1.2961</b>	<b>0.8996</b>	<b>2.1957</b>	<b>0.0000</b>	<b>17,063.99 07</b>	<b>17,063.99 07</b>	<b>0.6371</b>		<b>17,079.91 85</b>



Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Western Breakwater - 2032**

**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	0.0473	3.0049	1.0309	0.0120	0.4349	0.0234	0.4583	0.1192	0.0224	0.1416		1,360.841 1	1,360.841 1	0.1232	0.2182	1,428.943 6
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
Worker	0.1686	0.0901	1.4440	5.7800e-003	0.9198	2.5500e-003	0.9223	0.2439	2.3500e-003	0.2463		584.7439	584.7439	7.6500e-003	0.0123	588.6096
<b>Total</b>	<b>0.2159</b>	<b>3.0950</b>	<b>2.4749</b>	<b>0.0177</b>	<b>1.3547</b>	<b>0.0260</b>	<b>1.3807</b>	<b>0.3631</b>	<b>0.0248</b>	<b>0.3878</b>		<b>1,945.585 0</b>	<b>1,945.585 0</b>	<b>0.1308</b>	<b>0.2305</b>	<b>2,017.553 2</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Heavy Industry	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Heavy Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Heavy Industry	0.518500	0.056626	0.189643	0.140762	0.030399	0.007841	0.010730	0.006132	0.000824	0.000442	0.030440	0.001544	0.006118

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Heavy Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**5.2 Energy by Land Use - NaturalGas**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
General Heavy Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3075	0.0302	3.3303	2.5000e-004		0.0119	0.0119		0.0119	0.0119		7.1499	7.1499	0.0187		7.6166
Unmitigated	0.3075	0.0302	3.3303	2.5000e-004		0.0119	0.0119		0.0119	0.0119		7.1499	7.1499	0.0187		7.6166

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.3075	0.0302	3.3303	2.5000e-004		0.0119	0.0119		0.0119	0.0119		7.1499	7.1499	0.0187		7.6166
<b>Total</b>	<b>0.3075</b>	<b>0.0302</b>	<b>3.3303</b>	<b>2.5000e-004</b>		<b>0.0119</b>	<b>0.0119</b>		<b>0.0119</b>	<b>0.0119</b>		<b>7.1499</b>	<b>7.1499</b>	<b>0.0187</b>		<b>7.6166</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.3075	0.0302	3.3303	2.5000e-004		0.0119	0.0119		0.0119	0.0119		7.1499	7.1499	0.0187		7.6166
<b>Total</b>	<b>0.3075</b>	<b>0.0302</b>	<b>3.3303</b>	<b>2.5000e-004</b>		<b>0.0119</b>	<b>0.0119</b>		<b>0.0119</b>	<b>0.0119</b>		<b>7.1499</b>	<b>7.1499</b>	<b>0.0187</b>		<b>7.6166</b>

**7.0 Water Detail**

---

**7.1 Mitigation Measures Water**

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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
----------------	--------	-----------	-----------	-------------	-------------	-----------

**10.0 Stationary Equipment**

---

**Fire Pumps and Emergency Generators**

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

**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

**User Defined Equipment**

Equipment Type	Number
----------------	--------

**11.0 Vegetation**

---

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**Diablo Canyon Decommissioning Alternative 8**

**South Central Coast Air Basin, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Heavy Industry	32,670.00	1000sqft	750.00	32,670,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.9	<b>Precipitation Freq (Days)</b>	37
<b>Climate Zone</b>	4			<b>Operational Year</b>	2024
<b>Utility Company</b>					
<b>CO2 Intensity (lb/MW hr)</b>	0	<b>CH4 Intensity (lb/MW hr)</b>	0	<b>N2O Intensity (lb/MW hr)</b>	0

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

- Project Characteristics -
- Land Use -
- Construction Phase - Estimated timeline Alt 8 conceptual schedule
- Off-road Equipment - equipment list
- Off-road Equipment - coffer dam equipment
- Off-road Equipment - coffer removal
- Off-road Equipment - estimated demolition equipment
- Off-road Equipment - estimated construction equipment
- Off-road Equipment - estimated demolition equipment
- Trips and VMT - Trip Estimates
- Demolition -
- Grading - Grading tab



Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Vehicle Trips - no operational

Vehicle Emission Factors - no operational

Vehicle Emission Factors -

Vehicle Emission Factors -

Road Dust - no operational

Consumer Products - no operational

Area Coating - no architectural coating

Energy Use - no operational

Water And Wastewater - no indoor water use

Solid Waste - no op

Construction Off-road Equipment Mitigation - APM AQ 1-5

Fleet Mix - no operational

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	0
tblAreaCoating	Area_EF_Nonresidential_Interior	250	0
tblAreaCoating	Area_EF_Parking	250	0
tblAreaCoating	Area_EF_Residential_Exterior	250	0
tblAreaCoating	Area_EF_Residential_Interior	250	0
tblAreaCoating	Area_Nonresidential_Exterior	16335000	0
tblAreaCoating	Area_Nonresidential_Interior	49005000	0
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	480.00	261.00
tblConstructionPhase	NumDays	800.00	370.00
tblConstructionPhase	NumDays	800.00	522.00
tblConstructionPhase	NumDays	800.00	261.00
tblConstructionPhase	NumDays	800.00	523.00
tblConsumerProducts	ROG_EF	2.14E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblEnergyUse	LightingElect	3.08	0.00
tblEnergyUse	NT24E	3.70	0.00
tblEnergyUse	NT24NG	6.67	0.00
tblEnergyUse	T24E	1.32	0.00
tblEnergyUse	T24NG	19.51	0.00
tblOffRoadEquipment	HorsePower	97.00	124.00
tblOffRoadEquipment	HorsePower	97.00	158.00
tblOffRoadEquipment	LoadFactor	0.37	0.44
tblOffRoadEquipment	LoadFactor	0.37	0.38
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblRoadDust	MeanVehicleSpeed	40	0
tblRoadDust	MobileAverageVehicleWeight	2.4	0
tblRoadDust	RoadSiltLoading	0.1	0
tblSolidWaste	SolidWasteGenerationRate	40,510.80	0.00
tblTripsAndVMT	HaulingTripNumber	0.00	378.00
tblTripsAndVMT	HaulingTripNumber	2,337.00	4,707.00
tblTripsAndVMT	HaulingTripNumber	19,028.00	13,025.00
tblTripsAndVMT	HaulingTripNumber	0.00	4,254.00
tblTripsAndVMT	HaulingTripNumber	44,971.00	13,025.00
tblTripsAndVMT	VendorTripLength	7.30	13.00
tblTripsAndVMT	VendorTripLength	7.30	13.00
tblTripsAndVMT	VendorTripLength	7.30	13.00
tblTripsAndVMT	VendorTripLength	7.30	13.00
tblTripsAndVMT	VendorTripLength	7.30	13.00
tblTripsAndVMT	WorkerTripLength	10.80	22.00
tblTripsAndVMT	WorkerTripLength	10.80	22.00
tblTripsAndVMT	WorkerTripLength	10.80	22.00
tblTripsAndVMT	WorkerTripLength	10.80	22.00
tblTripsAndVMT	WorkerTripLength	10.80	22.00
tblVehicleTrips	ST_TR	6.42	0.00
tblVehicleTrips	SU_TR	5.09	0.00
tblVehicleTrips	WD_TR	3.93	0.00
tblWater	ElectricityIntensityFactorForWastewaterTreatment	1,911.00	0.00
tblWater	ElectricityIntensityFactorToDistribute	1,272.00	0.00
tblWater	ElectricityIntensityFactorToSupply	2,117.00	0.00
tblWater	ElectricityIntensityFactorToTreat	111.00	0.00
tblWater	IndoorWaterUseRate	7,554,937,500.00	0.00

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**2.0 Emissions Summary**

**2.1 Overall Construction**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2027	0.1934	1.7743	2.4443	4.4800e-003	0.0417	0.0725	0.1141	0.0111	0.0688	0.0799	0.0000	392.6481	392.6481	0.0748	2.2300e-003	395.1847
2028	1.1319	9.6206	11.7767	0.0232	0.3545	0.4037	0.7582	0.0737	0.3813	0.4549	0.0000	2,036.8091	2,036.8091	0.4231	0.0163	2,052.2318
2029	0.8217	7.1623	8.6926	0.0174	0.8343	0.2974	1.1317	0.1437	0.2816	0.4253	0.0000	1,539.6667	1,539.6667	0.2941	0.0231	1,553.9023
2030	0.7225	4.3135	9.4269	0.0217	1.2576	0.1086	1.3662	0.2147	0.1083	0.3230	0.0000	1,917.3270	1,917.3270	0.0799	0.0458	1,932.9580
2031	0.9689	4.5684	9.5442	0.0248	2.6554	0.1307	2.7861	0.4223	0.1305	0.5529	0.0000	2,254.9811	2,254.9811	0.0908	0.0277	2,265.5165
2032	0.9713	4.5788	9.5750	0.0249	2.6656	0.1311	2.7967	0.4239	0.1310	0.5549	0.0000	2,259.4143	2,259.4143	0.0913	0.0274	2,269.8477
<b>Maximum</b>	<b>1.1319</b>	<b>9.6206</b>	<b>11.7767</b>	<b>0.0249</b>	<b>2.6656</b>	<b>0.4037</b>	<b>2.7967</b>	<b>0.4239</b>	<b>0.3813</b>	<b>0.5549</b>	<b>0.0000</b>	<b>2,259.4143</b>	<b>2,259.4143</b>	<b>0.4231</b>	<b>0.0458</b>	<b>2,269.8477</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**2.1 Overall Construction**

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2027	0.1792	1.5971	2.4613	4.4800e-003	0.0417	0.0651	0.1067	0.0111	0.0620	0.0731	0.0000	392.6477	392.6477	0.0748	2.2300e-003	395.1843
2028	0.8741	6.6529	13.0084	0.0232	0.2546	0.2913	0.5459	0.0586	0.2778	0.3363	0.0000	2,036.8069	2,036.8069	0.4231	0.0163	2,052.2296
2029	0.6671	5.5227	9.3578	0.0174	0.4572	0.2289	0.6861	0.0866	0.2178	0.3044	0.0000	1,539.6651	1,539.6651	0.2941	0.0231	1,553.9007
2030	0.6228	3.9715	9.6654	0.0217	0.6789	0.0962	0.7751	0.1271	0.0960	0.2230	0.0000	1,917.3251	1,917.3251	0.0799	0.0458	1,932.9561
2031	0.8769	4.2568	9.7020	0.0248	1.2901	0.1209	1.4110	0.2156	0.1207	0.3363	0.0000	2,254.9787	2,254.9787	0.0908	0.0277	2,265.5141
2032	0.8789	4.2661	9.7334	0.0249	1.2951	0.1213	1.4163	0.2164	0.1211	0.3375	0.0000	2,259.4119	2,259.4119	0.0913	0.0274	2,269.8452
<b>Maximum</b>	<b>0.8789</b>	<b>6.6529</b>	<b>13.0084</b>	<b>0.0249</b>	<b>1.2951</b>	<b>0.2913</b>	<b>1.4163</b>	<b>0.2164</b>	<b>0.2778</b>	<b>0.3375</b>	<b>0.0000</b>	<b>2,259.4119</b>	<b>2,259.4119</b>	<b>0.4231</b>	<b>0.0458</b>	<b>2,269.8452</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>14.78</b>	<b>17.96</b>	<b>-4.80</b>	<b>0.00</b>	<b>48.55</b>	<b>19.27</b>	<b>44.81</b>	<b>44.52</b>	<b>18.71</b>	<b>32.63</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
20	10-26-2026	1-25-2027	0.1347	0.1216
21	1-26-2027	4-25-2027	0.4847	0.4376
22	4-26-2027	7-25-2027	0.4896	0.4419
23	7-26-2027	10-25-2027	0.4952	0.4470
24	10-26-2027	1-25-2028	1.0997	0.8431

## Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

25	1-26-2028	4-25-2028	2.6880	1.8817
26	4-26-2028	7-25-2028	2.6854	1.8790
27	7-26-2028	10-25-2028	2.7159	1.9007
28	10-26-2028	1-25-2029	2.7180	1.9028
29	1-26-2029	4-25-2029	2.6564	1.8589
30	4-26-2029	7-25-2029	1.9669	1.5293
31	7-26-2029	10-25-2029	1.4934	1.3065
32	10-26-2029	1-25-2030	1.4346	1.2682
33	1-26-2030	4-25-2030	1.2388	1.1300
34	4-26-2030	7-25-2030	1.2476	1.1376
35	7-26-2030	10-25-2030	1.2632	1.1520
36	10-26-2030	1-25-2031	1.3026	1.1940
37	1-26-2031	4-25-2031	1.3631	1.2637
38	4-26-2031	7-25-2031	1.3749	1.2744
39	7-26-2031	10-25-2031	1.3913	1.2896
40	10-26-2031	1-25-2032	1.3941	1.2925
41	1-26-2032	4-25-2032	1.3762	1.2757
42	4-26-2032	7-25-2032	1.3729	1.2724
43	7-26-2032	9-30-2032	1.0108	0.9368
		Highest	2.7180	1.9028

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.0277	2.7200e-003	0.2997	2.0000e-005		1.0700e-003	1.0700e-003		1.0700e-003	1.0700e-003	0.0000	0.5838	0.5838	1.5200e-003	0.0000	0.6219
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0277</b>	<b>2.7200e-003</b>	<b>0.2997</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>1.0700e-003</b>	<b>1.0700e-003</b>	<b>0.0000</b>	<b>1.0700e-003</b>	<b>1.0700e-003</b>	<b>0.0000</b>	<b>0.5838</b>	<b>0.5838</b>	<b>1.5200e-003</b>	<b>0.0000</b>	<b>0.6219</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.0277	2.7200e-003	0.2997	2.0000e-005		1.0700e-003	1.0700e-003		1.0700e-003	1.0700e-003	0.0000	0.5838	0.5838	1.5200e-003	0.0000	0.6219
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0277</b>	<b>2.7200e-003</b>	<b>0.2997</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>1.0700e-003</b>	<b>1.0700e-003</b>	<b>0.0000</b>	<b>1.0700e-003</b>	<b>1.0700e-003</b>	<b>0.0000</b>	<b>0.5838</b>	<b>0.5838</b>	<b>1.5200e-003</b>	<b>0.0000</b>	<b>0.6219</b>

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Coffer Dam Construction	Site Preparation	1/1/2027	12/31/2027	5	261	
2	Intake Structure	Demolition	1/1/2028	6/1/2029	5	370	
3	Eastern Breakwater	Demolition	6/2/2029	12/31/2030	5	522	



Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

4	Coffer Dam Removal	Demolition	1/1/2030	12/31/2030	5	261
5	Western Breakwater	Demolition	1/1/2031	12/31/2032	5	523

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

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

**Acres of Paving: 0**

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

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Coffer Dam Construction	Cranes	1	8.00	231	0.29
Coffer Dam Construction	Pumps	2	8.00	84	0.74
Coffer Dam Construction	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Intake Structure	Concrete/Industrial Saws	3	8.00	81	0.73
Intake Structure	Crushing/Proc. Equipment	3	8.00	85	0.78
Intake Structure	Crushing/Proc. Equipment	3	8.00	85	0.78
Intake Structure	Excavators	3	8.00	158	0.38
Intake Structure	Graders	3	8.00	187	0.41
Intake Structure	Other Construction Equipment	3	8.00	172	0.42
Intake Structure	Rubber Tired Dozers	3	8.00	247	0.40
Intake Structure	Tractors/Loaders/Backhoes	3	8.00	124	0.44
Intake Structure	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Eastern Breakwater	Concrete/Industrial Saws	1	8.00	81	0.73
Eastern Breakwater	Crushing/Proc. Equipment	2	8.00	85	0.78
Eastern Breakwater	Crushing/Proc. Equipment	1	8.00	85	0.78
Eastern Breakwater	Excavators	2	8.00	158	0.38
Eastern Breakwater	Generator Sets	2	8.00	84	0.74
Eastern Breakwater	Other Construction Equipment	2	8.00	172	0.42

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Eastern Breakwater	Rubber Tired Dozers	2	8.00	247	0.40
Eastern Breakwater	Skid Steer Loaders	2	8.00	65	0.37
Coffer Dam Removal	Cranes	1	8.00	231	0.29
Coffer Dam Removal	Pumps	2	8.00	84	0.74
Coffer Dam Removal	Tractors/Loaders/Backhoes	4	8.00	158	0.38
Western Breakwater	Concrete/Industrial Saws	3	8.00	81	0.73
Western Breakwater	Cranes	1	8.00	231	0.29
Western Breakwater	Crushing/Proc. Equipment	3	8.00	85	0.78
Western Breakwater	Excavators	3	8.00	158	0.38
Western Breakwater	Off-Highway Trucks	3	8.00	402	0.38
Western Breakwater	Other Construction Equipment	3	8.00	172	0.42
Western Breakwater	Rubber Tired Dozers	3	8.00	247	0.40
Western Breakwater	Tractors/Loaders/Backhoes	3	8.00	97	0.37

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Coffer Dam Construction	7	18.00	0.00	378.00	22.00	13.00	20.00	LD_Mix	HDT_Mix	HHDT
Intake Structure	27	68.00	0.00	4,707.00	22.00	13.00	20.00	LD_Mix	HDT_Mix	HHDT
Eastern Breakwater	14	35.00	0.00	13,025.00	22.00	13.00	20.00	LD_Mix	HDT_Mix	HHDT
Coffer Dam Removal	7	18.00	0.00	4,254.00	22.00	13.00	20.00	LD_Mix	HDT_Mix	HHDT
Western Breakwater	22	55.00	0.00	13,025.00	22.00	13.00	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Coffer Dam Construction - 2027**

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1845	1.7436	2.3602	4.1000e-003		0.0721	0.0721		0.0685	0.0685	0.0000	356.7159	356.7159	0.0736	0.0000	358.5567
<b>Total</b>	<b>0.1845</b>	<b>1.7436</b>	<b>2.3602</b>	<b>4.1000e-003</b>	<b>0.0000</b>	<b>0.0721</b>	<b>0.0721</b>	<b>0.0000</b>	<b>0.0685</b>	<b>0.0685</b>	<b>0.0000</b>	<b>356.7159</b>	<b>356.7159</b>	<b>0.0736</b>	<b>0.0000</b>	<b>358.5567</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-004	0.0251	7.3000e-003	1.0000e-004	3.2400e-003	1.9000e-004	3.4300e-003	8.9000e-004	1.8000e-004	1.0700e-003	0.0000	10.3703	10.3703	7.7000e-004	1.6600e-003	10.8834
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.5500e-003	5.5800e-003	0.0768	2.8000e-004	0.0384	1.5000e-004	0.0386	0.0102	1.4000e-004	0.0103	0.0000	25.5620	25.5620	4.3000e-004	5.8000e-004	25.7446
<b>Total</b>	<b>8.9500e-003</b>	<b>0.0307</b>	<b>0.0841</b>	<b>3.8000e-004</b>	<b>0.0417</b>	<b>3.4000e-004</b>	<b>0.0420</b>	<b>0.0111</b>	<b>3.2000e-004</b>	<b>0.0114</b>	<b>0.0000</b>	<b>35.9322</b>	<b>35.9322</b>	<b>1.2000e-003</b>	<b>2.2400e-003</b>	<b>36.6280</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Coffer Dam Construction - 2027**

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1702	1.5664	2.3772	4.1000e-003		0.0647	0.0647		0.0617	0.0617	0.0000	356.7155	356.7155	0.0736	0.0000	358.5562
<b>Total</b>	<b>0.1702</b>	<b>1.5664</b>	<b>2.3772</b>	<b>4.1000e-003</b>	<b>0.0000</b>	<b>0.0647</b>	<b>0.0647</b>	<b>0.0000</b>	<b>0.0617</b>	<b>0.0617</b>	<b>0.0000</b>	<b>356.7155</b>	<b>356.7155</b>	<b>0.0736</b>	<b>0.0000</b>	<b>358.5562</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-004	0.0251	7.3000e-003	1.0000e-004	3.2400e-003	1.9000e-004	3.4300e-003	8.9000e-004	1.8000e-004	1.0700e-003	0.0000	10.3703	10.3703	7.7000e-004	1.6600e-003	10.8834
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.5500e-003	5.5800e-003	0.0768	2.8000e-004	0.0384	1.5000e-004	0.0386	0.0102	1.4000e-004	0.0103	0.0000	25.5620	25.5620	4.3000e-004	5.8000e-004	25.7446
<b>Total</b>	<b>8.9500e-003</b>	<b>0.0307</b>	<b>0.0841</b>	<b>3.8000e-004</b>	<b>0.0417</b>	<b>3.4000e-004</b>	<b>0.0420</b>	<b>0.0111</b>	<b>3.2000e-004</b>	<b>0.0114</b>	<b>0.0000</b>	<b>35.9322</b>	<b>35.9322</b>	<b>1.2000e-003</b>	<b>2.2400e-003</b>	<b>36.6280</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Intake Structure - 2028**

**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					0.1816	0.0000	0.1816	0.0275	0.0000	0.0275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0979	9.3867	11.4378	0.0213		0.4015	0.4015		0.3792	0.3792	0.0000	1,854.4772	1,854.4772	0.4148	0.0000	1,864.8460
<b>Total</b>	<b>1.0979</b>	<b>9.3867</b>	<b>11.4378</b>	<b>0.0213</b>	<b>0.1816</b>	<b>0.4015</b>	<b>0.5831</b>	<b>0.0275</b>	<b>0.3792</b>	<b>0.4067</b>	<b>0.0000</b>	<b>1,854.4772</b>	<b>1,854.4772</b>	<b>0.4148</b>	<b>0.0000</b>	<b>1,864.8460</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.4400e-003	0.2147	0.0649	8.7000e-004	0.0283	1.6600e-003	0.0300	7.7700e-003	1.5900e-003	9.3600e-003	0.0000	88.7326	88.7326	6.8800e-003	0.0142	93.1344
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0305	0.0192	0.2739	1.0200e-003	0.1446	5.3000e-004	0.1451	0.0384	4.9000e-004	0.0389	0.0000	93.5993	93.5993	1.4900e-003	2.0600e-003	94.2515
<b>Total</b>	<b>0.0339</b>	<b>0.2339</b>	<b>0.3388</b>	<b>1.8900e-003</b>	<b>0.1729</b>	<b>2.1900e-003</b>	<b>0.1751</b>	<b>0.0462</b>	<b>2.0800e-003</b>	<b>0.0483</b>	<b>0.0000</b>	<b>182.3320</b>	<b>182.3320</b>	<b>8.3700e-003</b>	<b>0.0163</b>	<b>187.3858</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Intake Structure - 2028**

**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					0.0817	0.0000	0.0817	0.0124	0.0000	0.0124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.8402	6.4190	12.6696	0.0213		0.2891	0.2891		0.2757	0.2757	0.0000	1,854.4750	1,854.4750	0.4148	0.0000	1,864.8438
<b>Total</b>	<b>0.8402</b>	<b>6.4190</b>	<b>12.6696</b>	<b>0.0213</b>	<b>0.0817</b>	<b>0.2891</b>	<b>0.3708</b>	<b>0.0124</b>	<b>0.2757</b>	<b>0.2881</b>	<b>0.0000</b>	<b>1,854.4750</b>	<b>1,854.4750</b>	<b>0.4148</b>	<b>0.0000</b>	<b>1,864.8438</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.4400e-003	0.2147	0.0649	8.7000e-004	0.0283	1.6600e-003	0.0300	7.7700e-003	1.5900e-003	9.3600e-003	0.0000	88.7326	88.7326	6.8800e-003	0.0142	93.1344
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0305	0.0192	0.2739	1.0200e-003	0.1446	5.3000e-004	0.1451	0.0384	4.9000e-004	0.0389	0.0000	93.5993	93.5993	1.4900e-003	2.0600e-003	94.2515
<b>Total</b>	<b>0.0339</b>	<b>0.2339</b>	<b>0.3388</b>	<b>1.8900e-003</b>	<b>0.1729</b>	<b>2.1900e-003</b>	<b>0.1751</b>	<b>0.0462</b>	<b>2.0800e-003</b>	<b>0.0483</b>	<b>0.0000</b>	<b>182.3320</b>	<b>182.3320</b>	<b>8.3700e-003</b>	<b>0.0163</b>	<b>187.3858</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Intake Structure - 2029**

**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					0.0768	0.0000	0.0768	0.0116	0.0000	0.0116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4645	3.9713	4.8391	9.0100e-003		0.1699	0.1699		0.1604	0.1604	0.0000	784.5865	784.5865	0.1755	0.0000	788.9733
<b>Total</b>	<b>0.4645</b>	<b>3.9713</b>	<b>4.8391</b>	<b>9.0100e-003</b>	<b>0.0768</b>	<b>0.1699</b>	<b>0.2467</b>	<b>0.0116</b>	<b>0.1604</b>	<b>0.1721</b>	<b>0.0000</b>	<b>784.5865</b>	<b>784.5865</b>	<b>0.1755</b>	<b>0.0000</b>	<b>788.9733</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.4300e-003	0.0887	0.0278	3.6000e-004	0.0120	6.9000e-004	0.0127	3.2900e-003	6.6000e-004	3.9500e-003	0.0000	36.6751	36.6751	2.9800e-003	5.8700e-003	38.4991
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0122	7.4700e-003	0.1103	4.2000e-004	0.0612	2.1000e-004	0.0614	0.0163	1.9000e-004	0.0164	0.0000	38.6097	38.6097	5.8000e-004	8.3000e-004	38.8727
<b>Total</b>	<b>0.0136</b>	<b>0.0962</b>	<b>0.1381</b>	<b>7.8000e-004</b>	<b>0.0732</b>	<b>9.0000e-004</b>	<b>0.0741</b>	<b>0.0195</b>	<b>8.5000e-004</b>	<b>0.0204</b>	<b>0.0000</b>	<b>75.2847</b>	<b>75.2847</b>	<b>3.5600e-003</b>	<b>6.7000e-003</b>	<b>77.3717</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Intake Structure - 2029**

**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					0.0346	0.0000	0.0346	5.2400e-003	0.0000	5.2400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3555	2.7157	5.3602	9.0100e-003		0.1223	0.1223		0.1166	0.1166	0.0000	784.5856	784.5856	0.1755	0.0000	788.9724
<b>Total</b>	<b>0.3555</b>	<b>2.7157</b>	<b>5.3602</b>	<b>9.0100e-003</b>	<b>0.0346</b>	<b>0.1223</b>	<b>0.1569</b>	<b>5.2400e-003</b>	<b>0.1166</b>	<b>0.1219</b>	<b>0.0000</b>	<b>784.5856</b>	<b>784.5856</b>	<b>0.1755</b>	<b>0.0000</b>	<b>788.9724</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.4300e-003	0.0887	0.0278	3.6000e-004	0.0120	6.9000e-004	0.0127	3.2900e-003	6.6000e-004	3.9500e-003	0.0000	36.6751	36.6751	2.9800e-003	5.8700e-003	38.4991
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0122	7.4700e-003	0.1103	4.2000e-004	0.0612	2.1000e-004	0.0614	0.0163	1.9000e-004	0.0164	0.0000	38.6097	38.6097	5.8000e-004	8.3000e-004	38.8727
<b>Total</b>	<b>0.0136</b>	<b>0.0962</b>	<b>0.1381</b>	<b>7.8000e-004</b>	<b>0.0732</b>	<b>9.0000e-004</b>	<b>0.0741</b>	<b>0.0195</b>	<b>8.5000e-004</b>	<b>0.0204</b>	<b>0.0000</b>	<b>75.2847</b>	<b>75.2847</b>	<b>3.5600e-003</b>	<b>6.7000e-003</b>	<b>77.3717</b>



Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Eastern Breakwater - 2029**

**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					0.6088	0.0000	0.6088	0.0922	0.0000	0.0922	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3311	2.8508	3.5626	6.3700e-003		0.1246	0.1246		0.1184	0.1184	0.0000	553.7697	553.7697	0.1066	0.0000	556.4346
<b>Total</b>	<b>0.3311</b>	<b>2.8508</b>	<b>3.5626</b>	<b>6.3700e-003</b>	<b>0.6088</b>	<b>0.1246</b>	<b>0.7334</b>	<b>0.0922</b>	<b>0.1184</b>	<b>0.2106</b>	<b>0.0000</b>	<b>553.7697</b>	<b>553.7697</b>	<b>0.1066</b>	<b>0.0000</b>	<b>556.4346</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.8600e-003	0.2388	0.0749	9.6000e-004	0.0323	1.8500e-003	0.0341	8.8600e-003	1.7700e-003	0.0106	0.0000	98.7461	98.7461	8.0300e-003	0.0158	103.6572
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.6100e-003	5.2800e-003	0.0779	3.0000e-004	0.0432	1.5000e-004	0.0434	0.0115	1.4000e-004	0.0116	0.0000	27.2797	27.2797	4.1000e-004	5.9000e-004	27.4655
<b>Total</b>	<b>0.0125</b>	<b>0.2440</b>	<b>0.1528</b>	<b>1.2600e-003</b>	<b>0.0755</b>	<b>2.0000e-003</b>	<b>0.0775</b>	<b>0.0203</b>	<b>1.9100e-003</b>	<b>0.0223</b>	<b>0.0000</b>	<b>126.0257</b>	<b>126.0257</b>	<b>8.4400e-003</b>	<b>0.0164</b>	<b>131.1227</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Eastern Breakwater - 2029**

**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					0.2740	0.0000	0.2740	0.0415	0.0000	0.0415	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2856	2.4668	3.7068	6.3700e-003		0.1037	0.1037		0.0984	0.0984	0.0000	553.7691	553.7691	0.1066	0.0000	556.4339
<b>Total</b>	<b>0.2856</b>	<b>2.4668</b>	<b>3.7068</b>	<b>6.3700e-003</b>	<b>0.2740</b>	<b>0.1037</b>	<b>0.3776</b>	<b>0.0415</b>	<b>0.0984</b>	<b>0.1399</b>	<b>0.0000</b>	<b>553.7691</b>	<b>553.7691</b>	<b>0.1066</b>	<b>0.0000</b>	<b>556.4339</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.8600e-003	0.2388	0.0749	9.6000e-004	0.0323	1.8500e-003	0.0341	8.8600e-003	1.7700e-003	0.0106	0.0000	98.7461	98.7461	8.0300e-003	0.0158	103.6572
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.6100e-003	5.2800e-003	0.0779	3.0000e-004	0.0432	1.5000e-004	0.0434	0.0115	1.4000e-004	0.0116	0.0000	27.2797	27.2797	4.1000e-004	5.9000e-004	27.4655
<b>Total</b>	<b>0.0125</b>	<b>0.2440</b>	<b>0.1528</b>	<b>1.2600e-003</b>	<b>0.0755</b>	<b>2.0000e-003</b>	<b>0.0775</b>	<b>0.0203</b>	<b>1.9100e-003</b>	<b>0.0223</b>	<b>0.0000</b>	<b>126.0257</b>	<b>126.0257</b>	<b>8.4400e-003</b>	<b>0.0164</b>	<b>131.1227</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Eastern Breakwater - 2030**

**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					1.0523	0.0000	1.0523	0.1593	0.0000	0.1593	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4940	2.7721	6.0659	0.0123		0.0780	0.0780		0.0780	0.0780	0.0000	1,059.1785	1,059.1785	0.0397	0.0000	1,060.1719
<b>Total</b>	<b>0.4940</b>	<b>2.7721</b>	<b>6.0659</b>	<b>0.0123</b>	<b>1.0523</b>	<b>0.0780</b>	<b>1.1303</b>	<b>0.1593</b>	<b>0.0780</b>	<b>0.2373</b>	<b>0.0000</b>	<b>1,059.1785</b>	<b>1,059.1785</b>	<b>0.0397</b>	<b>0.0000</b>	<b>1,060.1719</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.5700e-003	0.4051	0.1310	1.6300e-003	0.0558	3.1500e-003	0.0589	0.0153	3.0100e-003	0.0183	0.0000	167.1918	167.1918	0.0142	0.0268	175.5261
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0140	8.4200e-003	0.1288	5.0000e-004	0.0747	2.4000e-004	0.0749	0.0198	2.2000e-004	0.0201	0.0000	46.0681	46.0681	6.5000e-004	9.8000e-004	46.3758
<b>Total</b>	<b>0.0206</b>	<b>0.4135</b>	<b>0.2598</b>	<b>2.1300e-003</b>	<b>0.1305</b>	<b>3.3900e-003</b>	<b>0.1339</b>	<b>0.0352</b>	<b>3.2300e-003</b>	<b>0.0384</b>	<b>0.0000</b>	<b>213.2599</b>	<b>213.2599</b>	<b>0.0148</b>	<b>0.0278</b>	<b>221.9019</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Eastern Breakwater - 2030**

**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					0.4735	0.0000	0.4735	0.0717	0.0000	0.0717	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4156	2.4661	6.2359	0.0123		0.0675	0.0675		0.0675	0.0675	0.0000	1,059.177 2	1,059.177 2	0.0397	0.0000	1,060.170 7
<b>Total</b>	<b>0.4156</b>	<b>2.4661</b>	<b>6.2359</b>	<b>0.0123</b>	<b>0.4735</b>	<b>0.0675</b>	<b>0.5410</b>	<b>0.0717</b>	<b>0.0675</b>	<b>0.1392</b>	<b>0.0000</b>	<b>1,059.177 2</b>	<b>1,059.177 2</b>	<b>0.0397</b>	<b>0.0000</b>	<b>1,060.170 7</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.5700e-003	0.4051	0.1310	1.6300e-003	0.0558	3.1500e-003	0.0589	0.0153	3.0100e-003	0.0183	0.0000	167.1918	167.1918	0.0142	0.0268	175.5261
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0140	8.4200e-003	0.1288	5.0000e-004	0.0747	2.4000e-004	0.0749	0.0198	2.2000e-004	0.0201	0.0000	46.0681	46.0681	6.5000e-004	9.8000e-004	46.3758
<b>Total</b>	<b>0.0206</b>	<b>0.4135</b>	<b>0.2598</b>	<b>2.1300e-003</b>	<b>0.1305</b>	<b>3.3900e-003</b>	<b>0.1339</b>	<b>0.0352</b>	<b>3.2300e-003</b>	<b>0.0384</b>	<b>0.0000</b>	<b>213.2599</b>	<b>213.2599</b>	<b>0.0148</b>	<b>0.0278</b>	<b>221.9019</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Coffe Dam Removal - 2030**

**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	0.1964	0.8590	2.9495	5.9600e-003		0.0251	0.0251		0.0251	0.0251	0.0000	511.9859	511.9859	0.0157	0.0000	512.3793
<b>Total</b>	<b>0.1964</b>	<b>0.8590</b>	<b>2.9495</b>	<b>5.9600e-003</b>		<b>0.0251</b>	<b>0.0251</b>		<b>0.0251</b>	<b>0.0251</b>	<b>0.0000</b>	<b>511.9859</b>	<b>511.9859</b>	<b>0.0157</b>	<b>0.0000</b>	<b>512.3793</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.2900e-003	0.2646	0.0856	1.0600e-003	0.0364	2.0600e-003	0.0385	0.0100	1.9700e-003	0.0120	0.0000	109.2106	109.2106	9.2400e-003	0.0175	114.6546
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	7.2200e-003	4.3300e-003	0.0662	2.6000e-004	0.0384	1.2000e-004	0.0385	0.0102	1.1000e-004	0.0103	0.0000	23.6922	23.6922	3.4000e-004	5.0000e-004	23.8504
<b>Total</b>	<b>0.0115</b>	<b>0.2689</b>	<b>0.1518</b>	<b>1.3200e-003</b>	<b>0.0749</b>	<b>2.1800e-003</b>	<b>0.0770</b>	<b>0.0202</b>	<b>2.0800e-003</b>	<b>0.0223</b>	<b>0.0000</b>	<b>132.9027</b>	<b>132.9027</b>	<b>9.5800e-003</b>	<b>0.0180</b>	<b>138.5050</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Coffer Dam Removal - 2030**

**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	0.1751	0.8229	3.0179	5.9600e-003		0.0231	0.0231		0.0231	0.0231	0.0000	511.9853	511.9853	0.0157	0.0000	512.3787
<b>Total</b>	<b>0.1751</b>	<b>0.8229</b>	<b>3.0179</b>	<b>5.9600e-003</b>		<b>0.0231</b>	<b>0.0231</b>		<b>0.0231</b>	<b>0.0231</b>	<b>0.0000</b>	<b>511.9853</b>	<b>511.9853</b>	<b>0.0157</b>	<b>0.0000</b>	<b>512.3787</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.2900e-003	0.2646	0.0856	1.0600e-003	0.0364	2.0600e-003	0.0385	0.0100	1.9700e-003	0.0120	0.0000	109.2106	109.2106	9.2400e-003	0.0175	114.6546
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	7.2200e-003	4.3300e-003	0.0662	2.6000e-004	0.0384	1.2000e-004	0.0385	0.0102	1.1000e-004	0.0103	0.0000	23.6922	23.6922	3.4000e-004	5.0000e-004	23.8504
<b>Total</b>	<b>0.0115</b>	<b>0.2689</b>	<b>0.1518</b>	<b>1.3200e-003</b>	<b>0.0749</b>	<b>2.1800e-003</b>	<b>0.0770</b>	<b>0.0202</b>	<b>2.0800e-003</b>	<b>0.0223</b>	<b>0.0000</b>	<b>132.9027</b>	<b>132.9027</b>	<b>9.5800e-003</b>	<b>0.0180</b>	<b>138.5050</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Western Breakwater - 2031**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.4824	0.0000	2.4824	0.3759	0.0000	0.3759	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.9417	4.1571	9.2172	0.0225		0.1273	0.1273		0.1273	0.1273	0.0000	2,020.165 1	2,020.165 1	0.0754	0.0000	2,022.050 7
<b>Total</b>	<b>0.9417</b>	<b>4.1571</b>	<b>9.2172</b>	<b>0.0225</b>	<b>2.4824</b>	<b>0.1273</b>	<b>2.6096</b>	<b>0.3759</b>	<b>0.1273</b>	<b>0.5031</b>	<b>0.0000</b>	<b>2,020.165 1</b>	<b>2,020.165 1</b>	<b>0.0754</b>	<b>0.0000</b>	<b>2,022.050 7</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.4800e-003	0.3991	0.1323	1.5900e-003	0.0557	3.0900e-003	0.0588	0.0153	2.9600e-003	0.0182	0.0000	163.8460	163.8460	0.0144	0.0263	172.0305
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0207	0.0123	0.1946	7.7000e-004	0.1174	3.6000e-004	0.1177	0.0312	3.3000e-004	0.0315	0.0000	70.9701	70.9701	9.5000e-004	1.4800e-003	71.4353
<b>Total</b>	<b>0.0272</b>	<b>0.4113</b>	<b>0.3270</b>	<b>2.3600e-003</b>	<b>0.1731</b>	<b>3.4500e-003</b>	<b>0.1765</b>	<b>0.0465</b>	<b>3.2900e-003</b>	<b>0.0498</b>	<b>0.0000</b>	<b>234.8161</b>	<b>234.8161</b>	<b>0.0153</b>	<b>0.0277</b>	<b>243.4658</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Western Breakwater - 2031**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.1171	0.0000	1.1171	0.1691	0.0000	0.1691	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.8497	3.8455	9.3750	0.0225		0.1174	0.1174		0.1174	0.1174	0.0000	2,020.1627	2,020.1627	0.0754	0.0000	2,022.0483
<b>Total</b>	<b>0.8497</b>	<b>3.8455</b>	<b>9.3750</b>	<b>0.0225</b>	<b>1.1171</b>	<b>0.1174</b>	<b>1.2345</b>	<b>0.1691</b>	<b>0.1174</b>	<b>0.2865</b>	<b>0.0000</b>	<b>2,020.1627</b>	<b>2,020.1627</b>	<b>0.0754</b>	<b>0.0000</b>	<b>2,022.0483</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.4800e-003	0.3991	0.1323	1.5900e-003	0.0557	3.0900e-003	0.0588	0.0153	2.9600e-003	0.0182	0.0000	163.8460	163.8460	0.0144	0.0263	172.0305
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0207	0.0123	0.1946	7.7000e-004	0.1174	3.6000e-004	0.1177	0.0312	3.3000e-004	0.0315	0.0000	70.9701	70.9701	9.5000e-004	1.4800e-003	71.4353
<b>Total</b>	<b>0.0272</b>	<b>0.4113</b>	<b>0.3270</b>	<b>2.3600e-003</b>	<b>0.1731</b>	<b>3.4500e-003</b>	<b>0.1765</b>	<b>0.0465</b>	<b>3.2900e-003</b>	<b>0.0498</b>	<b>0.0000</b>	<b>234.8161</b>	<b>234.8161</b>	<b>0.0153</b>	<b>0.0277</b>	<b>243.4658</b>



Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Western Breakwater - 2032**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.4919	0.0000	2.4919	0.3773	0.0000	0.3773	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.9453	4.1730	9.2526	0.0225		0.1277	0.1277		0.1277	0.1277	0.0000	2,027.905 2	2,027.905 2	0.0757	0.0000	2,029.798 0
<b>Total</b>	<b>0.9453</b>	<b>4.1730</b>	<b>9.2526</b>	<b>0.0225</b>	<b>2.4919</b>	<b>0.1277</b>	<b>2.6196</b>	<b>0.3773</b>	<b>0.1277</b>	<b>0.5050</b>	<b>0.0000</b>	<b>2,027.905 2</b>	<b>2,027.905 2</b>	<b>0.0757</b>	<b>0.0000</b>	<b>2,029.798 0</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.4300e-003	0.3944	0.1342	1.5700e-003	0.0559	3.0700e-003	0.0590	0.0153	2.9300e-003	0.0183	0.0000	161.6277	161.6277	0.0147	0.0259	169.7169
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0196	0.0115	0.1882	7.6000e-004	0.1178	3.3000e-004	0.1182	0.0313	3.1000e-004	0.0316	0.0000	69.8815	69.8815	8.9000e-004	1.4400e-003	70.3328
<b>Total</b>	<b>0.0260</b>	<b>0.4058</b>	<b>0.3224</b>	<b>2.3300e-003</b>	<b>0.1737</b>	<b>3.4000e-003</b>	<b>0.1771</b>	<b>0.0466</b>	<b>3.2400e-003</b>	<b>0.0499</b>	<b>0.0000</b>	<b>231.5092</b>	<b>231.5092</b>	<b>0.0155</b>	<b>0.0274</b>	<b>240.0496</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Western Breakwater - 2032**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.1214	0.0000	1.1214	0.1698	0.0000	0.1698	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.8529	3.8602	9.4110	0.0225		0.1179	0.1179		0.1179	0.1179	0.0000	2,027.9027	2,027.9027	0.0757	0.0000	2,029.7956
<b>Total</b>	<b>0.8529</b>	<b>3.8602</b>	<b>9.4110</b>	<b>0.0225</b>	<b>1.1214</b>	<b>0.1179</b>	<b>1.2392</b>	<b>0.1698</b>	<b>0.1179</b>	<b>0.2876</b>	<b>0.0000</b>	<b>2,027.9027</b>	<b>2,027.9027</b>	<b>0.0757</b>	<b>0.0000</b>	<b>2,029.7956</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.4300e-003	0.3944	0.1342	1.5700e-003	0.0559	3.0700e-003	0.0590	0.0153	2.9300e-003	0.0183	0.0000	161.6277	161.6277	0.0147	0.0259	169.7169
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0196	0.0115	0.1882	7.6000e-004	0.1178	3.3000e-004	0.1182	0.0313	3.1000e-004	0.0316	0.0000	69.8815	69.8815	8.9000e-004	1.4400e-003	70.3328
<b>Total</b>	<b>0.0260</b>	<b>0.4058</b>	<b>0.3224</b>	<b>2.3300e-003</b>	<b>0.1737</b>	<b>3.4000e-003</b>	<b>0.1771</b>	<b>0.0466</b>	<b>3.2400e-003</b>	<b>0.0499</b>	<b>0.0000</b>	<b>231.5092</b>	<b>231.5092</b>	<b>0.0155</b>	<b>0.0274</b>	<b>240.0496</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Heavy Industry	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Heavy Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Heavy Industry	0.518500	0.056626	0.189643	0.140762	0.030399	0.007841	0.010730	0.006132	0.000824	0.000442	0.030440	0.001544	0.006118





Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Heavy Industry	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Heavy Industry	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	ROG	NOx	CO	SO2	Fugitive 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	0.0277	2.7200e-003	0.2997	2.0000e-005		1.0700e-003	1.0700e-003		1.0700e-003	1.0700e-003	0.0000	0.5838	0.5838	1.5200e-003	0.0000	0.6219
Unmitigated	0.0277	2.7200e-003	0.2997	2.0000e-005		1.0700e-003	1.0700e-003		1.0700e-003	1.0700e-003	0.0000	0.5838	0.5838	1.5200e-003	0.0000	0.6219

**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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0277	2.7200e-003	0.2997	2.0000e-005		1.0700e-003	1.0700e-003		1.0700e-003	1.0700e-003	0.0000	0.5838	0.5838	1.5200e-003	0.0000	0.6219
<b>Total</b>	<b>0.0277</b>	<b>2.7200e-003</b>	<b>0.2997</b>	<b>2.0000e-005</b>		<b>1.0700e-003</b>	<b>1.0700e-003</b>		<b>1.0700e-003</b>	<b>1.0700e-003</b>	<b>0.0000</b>	<b>0.5838</b>	<b>0.5838</b>	<b>1.5200e-003</b>	<b>0.0000</b>	<b>0.6219</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0277	2.7200e-003	0.2997	2.0000e-005		1.0700e-003	1.0700e-003		1.0700e-003	1.0700e-003	0.0000	0.5838	0.5838	1.5200e-003	0.0000	0.6219
<b>Total</b>	<b>0.0277</b>	<b>2.7200e-003</b>	<b>0.2997</b>	<b>2.0000e-005</b>		<b>1.0700e-003</b>	<b>1.0700e-003</b>		<b>1.0700e-003</b>	<b>1.0700e-003</b>	<b>0.0000</b>	<b>0.5838</b>	<b>0.5838</b>	<b>1.5200e-003</b>	<b>0.0000</b>	<b>0.6219</b>

**7.0 Water Detail**

---

**7.1 Mitigation Measures Water**



Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Heavy Industry	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**7.2 Water by Land Use**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Heavy Industry	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**8.0 Waste Detail**

---

**8.1 Mitigation Measures Waste**

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**8.2 Waste by Land Use**

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Heavy Industry	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Heavy Industry	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	-----------	-------------	-------------	-----------

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**10.0 Stationary Equipment**

---

**Fire Pumps and Emergency Generators**

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

**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

**User Defined Equipment**

Equipment Type	Number
----------------	--------

**11.0 Vegetation**

---

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**Diablo Canyon Decommissioning Alternative 8  
South Central Coast Air Basin, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Heavy Industry	32,670.00	1000sqft	750.00	32,670,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.9	<b>Precipitation Freq (Days)</b>	37
<b>Climate Zone</b>	4			<b>Operational Year</b>	2024
<b>Utility Company</b>					
<b>CO2 Intensity (lb/MW hr)</b>	0	<b>CH4 Intensity (lb/MW hr)</b>	0	<b>N2O Intensity (lb/MW hr)</b>	0

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

- Project Characteristics -
- Land Use -
- Construction Phase - Estimated timeline Alt 8 conceptual schedule
- Off-road Equipment - equipment list
- Off-road Equipment - coffer dam equipment
- Off-road Equipment - coffer removal
- Off-road Equipment - estimated demolition equipment
- Off-road Equipment - estimated construction equipment
- Off-road Equipment - estimated demolition equipment
- Trips and VMT - Trip Estimates
- Demolition -
- Grading - Grading tab

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Vehicle Trips - no operational

Vehicle Emission Factors - no operational

Vehicle Emission Factors -

Vehicle Emission Factors -

Road Dust - no operational

Consumer Products - no operational

Area Coating - no architectural coating

Energy Use - no operational

Water And Wastewater - no indoor water use

Solid Waste - no op

Construction Off-road Equipment Mitigation - APM AQ 1-5

Fleet Mix - no operational

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	0
tblAreaCoating	Area_EF_Nonresidential_Interior	250	0
tblAreaCoating	Area_EF_Parking	250	0
tblAreaCoating	Area_EF_Residential_Exterior	250	0
tblAreaCoating	Area_EF_Residential_Interior	250	0
tblAreaCoating	Area_Nonresidential_Exterior	16335000	0
tblAreaCoating	Area_Nonresidential_Interior	49005000	0
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	800.00	370.00
tblConstructionPhase	NumDays	800.00	522.00
tblConstructionPhase	NumDays	800.00	261.00
tblConstructionPhase	NumDays	800.00	523.00
tblConstructionPhase	NumDays	480.00	261.00
tblConsumerProducts	ROG_EF	2.14E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblEnergyUse	LightingElect	3.08	0.00
tblEnergyUse	NT24E	3.70	0.00
tblEnergyUse	NT24NG	6.67	0.00
tblEnergyUse	T24E	1.32	0.00
tblEnergyUse	T24NG	19.51	0.00
tblOffRoadEquipment	HorsePower	97.00	124.00
tblOffRoadEquipment	HorsePower	97.00	158.00
tblOffRoadEquipment	LoadFactor	0.37	0.44
tblOffRoadEquipment	LoadFactor	0.37	0.38
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblRoadDust	MeanVehicleSpeed	40	0
tblRoadDust	MobileAverageVehicleWeight	2.4	0
tblRoadDust	RoadSiltLoading	0.1	0
tblSolidWaste	SolidWasteGenerationRate	40,510.80	0.00
tblTripsAndVMT	HaulingTripNumber	2,337.00	0.00
tblTripsAndVMT	HaulingTripNumber	19,028.00	0.00
tblTripsAndVMT	HaulingTripNumber	44,971.00	0.00
tblTripsAndVMT	VendorTripLength	7.30	13.00
tblTripsAndVMT	VendorTripLength	7.30	13.00
tblTripsAndVMT	VendorTripLength	7.30	13.00
tblTripsAndVMT	VendorTripLength	7.30	13.00
tblTripsAndVMT	VendorTripLength	7.30	13.00
tblTripsAndVMT	VendorTripLength	7.30	13.00
tblTripsAndVMT	WorkerTripLength	10.80	22.00
tblTripsAndVMT	WorkerTripLength	10.80	22.00
tblTripsAndVMT	WorkerTripLength	10.80	22.00
tblTripsAndVMT	WorkerTripLength	10.80	22.00
tblTripsAndVMT	WorkerTripLength	10.80	22.00
tblVehicleTrips	ST_TR	6.42	0.00
tblVehicleTrips	SU_TR	5.09	0.00
tblVehicleTrips	WD_TR	3.93	0.00
tblWater	ElectricityIntensityFactorForWastewaterTreatment	1,911.00	0.00
tblWater	ElectricityIntensityFactorToDistribute	1,272.00	0.00
tblWater	ElectricityIntensityFactorToSupply	2,117.00	0.00
tblWater	ElectricityIntensityFactorToTreat	111.00	0.00
tblWater	IndoorWaterUseRate	7,554,937,500.00	0.00

**2.0 Emissions Summary**



Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

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

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2027	1.4871	13.4046	18.6769	0.0335	0.3010	0.5539	0.8550	0.0798	0.5258	0.6056	0.0000	3,227.8307	3,227.8307	0.6257	4.9600e-003	3,244.9497
2028	8.7091	72.3576	90.1002	0.1716	2.5344	3.0924	5.6267	0.5131	2.9206	3.4337	0.0000	16,513.9328	16,513.9328	3.5298	0.0178	16,607.4820
2029	8.6949	72.3453	89.9982	0.1714	8.6490	3.0921	10.3016	1.3762	2.9203	3.4334	0.0000	16,494.2028	16,494.2028	3.5287	0.0170	16,587.4893
2030	5.4742	27.9249	70.5851	0.1459	8.9501	0.7922	9.7423	1.4560	0.7920	2.2480	0.0000	13,857.3265	13,857.3265	0.4772	0.0127	13,873.0475
2031	11.2942	53.2552	119.5649	0.2762	28.5908	1.5769	30.1677	4.5002	1.5766	6.0768	0.0000	26,986.1749	26,986.1749	0.9863	0.0208	27,017.0410
2032	7.3845	31.9450	72.0741	0.1779	19.9418	0.9776	20.9194	3.1241	0.9774	4.1015	0.0000	17,648.7346	17,648.7346	0.6448	0.0123	17,668.5281
<b>Maximum</b>	<b>11.2942</b>	<b>72.3576</b>	<b>119.5649</b>	<b>0.2762</b>	<b>28.5908</b>	<b>3.0924</b>	<b>30.1677</b>	<b>4.5002</b>	<b>2.9206</b>	<b>6.0768</b>	<b>0.0000</b>	<b>26,986.1749</b>	<b>26,986.1749</b>	<b>3.5298</b>	<b>0.0208</b>	<b>27,017.0410</b>



Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3075	0.0302	3.3303	2.5000e-004		0.0119	0.0119		0.0119	0.0119		7.1499	7.1499	0.0187		7.6166
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.3075</b>	<b>0.0302</b>	<b>3.3303</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>0.0119</b>	<b>0.0119</b>	<b>0.0000</b>	<b>0.0119</b>	<b>0.0119</b>		<b>7.1499</b>	<b>7.1499</b>	<b>0.0187</b>	<b>0.0000</b>	<b>7.6166</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	0.3075	0.0302	3.3303	2.5000e-004		0.0119	0.0119		0.0119	0.0119		7.1499	7.1499	0.0187		7.6166
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.3075</b>	<b>0.0302</b>	<b>3.3303</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>0.0119</b>	<b>0.0119</b>	<b>0.0000</b>	<b>0.0119</b>	<b>0.0119</b>		<b>7.1499</b>	<b>7.1499</b>	<b>0.0187</b>	<b>0.0000</b>	<b>7.6166</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	ROG	NOx	CO	SO2	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	Coffer Dam Construction	Site Preparation	1/1/2027	12/31/2027	5	261	
2	Intake Structure	Demolition	1/1/2028	6/1/2029	5	370	
3	Eastern Breakwater	Demolition	6/2/2029	6/3/2031	5	522	
4	Coffer Dam Removal	Demolition	1/1/2030	12/31/2030	5	261	
5	Western Breakwater	Demolition	1/1/2031	12/31/2032	5	523	

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

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

**Acres of Paving: 0**

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

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Coffer Dam Construction	Cranes	1	8.00	231	0.29
Coffer Dam Construction	Pumps	2	8.00	84	0.74
Coffer Dam Construction	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Intake Structure	Concrete/Industrial Saws	3	8.00	81	0.73
Intake Structure	Crushing/Proc. Equipment	3	8.00	85	0.78
Intake Structure	Crushing/Proc. Equipment	3	8.00	85	0.78

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Intake Structure	Excavators	3	8.00	158	0.38
Intake Structure	Graders	3	8.00	187	0.41
Intake Structure	Other Construction Equipment	3	8.00	172	0.42
Intake Structure	Rubber Tired Dozers	3	8.00	247	0.40
Intake Structure	Tractors/Loaders/Backhoes	3	8.00	124	0.44
Intake Structure	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Eastern Breakwater	Concrete/Industrial Saws	1	8.00	81	0.73
Eastern Breakwater	Crushing/Proc. Equipment	2	8.00	85	0.78
Eastern Breakwater	Crushing/Proc. Equipment	1	8.00	85	0.78
Eastern Breakwater	Excavators	2	8.00	158	0.38
Eastern Breakwater	Generator Sets	2	8.00	84	0.74
Eastern Breakwater	Other Construction Equipment	2	8.00	172	0.42
Eastern Breakwater	Rubber Tired Dozers	2	8.00	247	0.40
Eastern Breakwater	Skid Steer Loaders	2	8.00	65	0.37
Coffer Dam Removal	Cranes	1	8.00	231	0.29
Coffer Dam Removal	Pumps	2	8.00	84	0.74
Coffer Dam Removal	Tractors/Loaders/Backhoes	4	8.00	158	0.38
Western Breakwater	Concrete/Industrial Saws	3	8.00	81	0.73
Western Breakwater	Cranes	1	8.00	231	0.29
Western Breakwater	Crushing/Proc. Equipment	3	8.00	85	0.78
Western Breakwater	Excavators	3	8.00	158	0.38
Western Breakwater	Off-Highway Trucks	3	8.00	402	0.38
Western Breakwater	Other Construction Equipment	3	8.00	172	0.42
Western Breakwater	Rubber Tired Dozers	3	8.00	247	0.40
Western Breakwater	Tractors/Loaders/Backhoes	3	8.00	97	0.37

**Trips and VMT**

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

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
Coffer Dam Construction	7	18.00	0.00	0.00	22.00	13.00	20.00	LD_Mix	HDT_Mix	HHDT
Intake Structure	27	68.00	0.00	0.00	22.00	13.00	20.00	LD_Mix	HDT_Mix	HHDT
Eastern Breakwater	14	35.00	0.00	0.00	22.00	13.00	20.00	LD_Mix	HDT_Mix	HHDT
Coffer Dam Removal	7	18.00	0.00	0.00	22.00	13.00	20.00	LD_Mix	HDT_Mix	HHDT
Western Breakwater	22	55.00	0.00	0.00	22.00	13.00	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

**3.2 Coffer Dam Construction - 2027**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.4136	13.3606	18.0859	0.0314		0.5528	0.5528		0.5247	0.5247		3,013.1188	3,013.1188	0.6219		3,028.6670
<b>Total</b>	<b>1.4136</b>	<b>13.3606</b>	<b>18.0859</b>	<b>0.0314</b>	<b>0.0000</b>	<b>0.5528</b>	<b>0.5528</b>	<b>0.0000</b>	<b>0.5247</b>	<b>0.5247</b>		<b>3,013.1188</b>	<b>3,013.1188</b>	<b>0.6219</b>		<b>3,028.6670</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Coffer Dam Construction - 2027**

**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	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
Worker	0.0735	0.0440	0.5910	2.1200e-003	0.3010	1.1600e-003	0.3022	0.0798	1.0700e-003	0.0809		214.7120	214.7120	3.7300e-003	4.9600e-003	216.2826
<b>Total</b>	<b>0.0735</b>	<b>0.0440</b>	<b>0.5910</b>	<b>2.1200e-003</b>	<b>0.3010</b>	<b>1.1600e-003</b>	<b>0.3022</b>	<b>0.0798</b>	<b>1.0700e-003</b>	<b>0.0809</b>		<b>214.7120</b>	<b>214.7120</b>	<b>3.7300e-003</b>	<b>4.9600e-003</b>	<b>216.2826</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.3044	12.0028	18.2163	0.0314		0.4959	0.4959		0.4728	0.4728	0.0000	3,013.1188	3,013.1188	0.6219		3,028.6670
<b>Total</b>	<b>1.3044</b>	<b>12.0028</b>	<b>18.2163</b>	<b>0.0314</b>	<b>0.0000</b>	<b>0.4959</b>	<b>0.4959</b>	<b>0.0000</b>	<b>0.4728</b>	<b>0.4728</b>	<b>0.0000</b>	<b>3,013.1188</b>	<b>3,013.1188</b>	<b>0.6219</b>		<b>3,028.6670</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Coffey Dam Construction - 2027**

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	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
Worker	0.0735	0.0440	0.5910	2.1200e-003	0.3010	1.1600e-003	0.3022	0.0798	1.0700e-003	0.0809		214.7120	214.7120	3.7300e-003	4.9600e-003	216.2826
<b>Total</b>	<b>0.0735</b>	<b>0.0440</b>	<b>0.5910</b>	<b>2.1200e-003</b>	<b>0.3010</b>	<b>1.1600e-003</b>	<b>0.3022</b>	<b>0.0798</b>	<b>1.0700e-003</b>	<b>0.0809</b>		<b>214.7120</b>	<b>214.7120</b>	<b>3.7300e-003</b>	<b>4.9600e-003</b>	<b>216.2826</b>

**3.3 Intake Structure - 2028**

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					1.3972	0.0000	1.3972	0.2116	0.0000	0.2116			0.0000			0.0000
Off-Road	8.4456	72.2056	87.9834	0.1637		3.0883	3.0883		2.9168	2.9168		15,724.70 13	15,724.70 13	3.5168		15,812.62 18
<b>Total</b>	<b>8.4456</b>	<b>72.2056</b>	<b>87.9834</b>	<b>0.1637</b>	<b>1.3972</b>	<b>3.0883</b>	<b>4.4854</b>	<b>0.2116</b>	<b>2.9168</b>	<b>3.1284</b>		<b>15,724.70 13</b>	<b>15,724.70 13</b>	<b>3.5168</b>		<b>15,812.62 18</b>



Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Intake Structure - 2028**

**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	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
Worker	0.2635	0.1520	2.1168	7.8100e-003	1.1372	4.1000e-003	1.1413	0.3016	3.7800e-003	0.3053		789.2316	789.2316	0.0129	0.0178	794.8602
<b>Total</b>	<b>0.2635</b>	<b>0.1520</b>	<b>2.1168</b>	<b>7.8100e-003</b>	<b>1.1372</b>	<b>4.1000e-003</b>	<b>1.1413</b>	<b>0.3016</b>	<b>3.7800e-003</b>	<b>0.3053</b>		<b>789.2316</b>	<b>789.2316</b>	<b>0.0129</b>	<b>0.0178</b>	<b>794.8602</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6287	0.0000	0.6287	0.0952	0.0000	0.0952			0.0000			0.0000
Off-Road	6.4628	49.3769	97.4582	0.1637		2.2236	2.2236		2.1208	2.1208	0.0000	15,724.70 12	15,724.70 12	3.5168		15,812.62 18
<b>Total</b>	<b>6.4628</b>	<b>49.3769</b>	<b>97.4582</b>	<b>0.1637</b>	<b>0.6287</b>	<b>2.2236</b>	<b>2.8523</b>	<b>0.0952</b>	<b>2.1208</b>	<b>2.2160</b>	<b>0.0000</b>	<b>15,724.70 12</b>	<b>15,724.70 12</b>	<b>3.5168</b>		<b>15,812.62 18</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Intake Structure - 2028**

**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	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
Worker	0.2635	0.1520	2.1168	7.8100e-003	1.1372	4.1000e-003	1.1413	0.3016	3.7800e-003	0.3053		789.2316	789.2316	0.0129	0.0178	794.8602
<b>Total</b>	<b>0.2635</b>	<b>0.1520</b>	<b>2.1168</b>	<b>7.8100e-003</b>	<b>1.1372</b>	<b>4.1000e-003</b>	<b>1.1413</b>	<b>0.3016</b>	<b>3.7800e-003</b>	<b>0.3053</b>		<b>789.2316</b>	<b>789.2316</b>	<b>0.0129</b>	<b>0.0178</b>	<b>794.8602</b>

**3.3 Intake Structure - 2029**

**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					1.3972	0.0000	1.3972	0.2116	0.0000	0.2116			0.0000			0.0000
Off-Road	8.4456	72.2056	87.9834	0.1637		3.0883	3.0883		2.9168	2.9168		15,724.70 13	15,724.70 13	3.5168		15,812.62 18
<b>Total</b>	<b>8.4456</b>	<b>72.2056</b>	<b>87.9834</b>	<b>0.1637</b>	<b>1.3972</b>	<b>3.0883</b>	<b>4.4854</b>	<b>0.2116</b>	<b>2.9168</b>	<b>3.1284</b>		<b>15,724.70 13</b>	<b>15,724.70 13</b>	<b>3.5168</b>		<b>15,812.62 18</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Intake Structure - 2029**

**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	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
Worker	0.2493	0.1396	2.0148	7.6100e-003	1.1372	3.8300e-003	1.1410	0.3016	3.5300e-003	0.3051		769.5015	769.5015	0.0119	0.0170	774.8675
<b>Total</b>	<b>0.2493</b>	<b>0.1396</b>	<b>2.0148</b>	<b>7.6100e-003</b>	<b>1.1372</b>	<b>3.8300e-003</b>	<b>1.1410</b>	<b>0.3016</b>	<b>3.5300e-003</b>	<b>0.3051</b>		<b>769.5015</b>	<b>769.5015</b>	<b>0.0119</b>	<b>0.0170</b>	<b>774.8675</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6287	0.0000	0.6287	0.0952	0.0000	0.0952			0.0000			0.0000
Off-Road	6.4628	49.3769	97.4582	0.1637		2.2236	2.2236		2.1208	2.1208	0.0000	15,724.70 12	15,724.70 12	3.5168		15,812.62 18
<b>Total</b>	<b>6.4628</b>	<b>49.3769</b>	<b>97.4582</b>	<b>0.1637</b>	<b>0.6287</b>	<b>2.2236</b>	<b>2.8523</b>	<b>0.0952</b>	<b>2.1208</b>	<b>2.2160</b>	<b>0.0000</b>	<b>15,724.70 12</b>	<b>15,724.70 12</b>	<b>3.5168</b>		<b>15,812.62 18</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Intake Structure - 2029**

**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	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
Worker	0.2493	0.1396	2.0148	7.6100e-003	1.1372	3.8300e-003	1.1410	0.3016	3.5300e-003	0.3051		769.5015	769.5015	0.0119	0.0170	774.8675
<b>Total</b>	<b>0.2493</b>	<b>0.1396</b>	<b>2.0148</b>	<b>7.6100e-003</b>	<b>1.1372</b>	<b>3.8300e-003</b>	<b>1.1410</b>	<b>0.3016</b>	<b>3.5300e-003</b>	<b>0.3051</b>		<b>769.5015</b>	<b>769.5015</b>	<b>0.0119</b>	<b>0.0170</b>	<b>774.8675</b>

**3.4 Eastern Breakwater - 2029**

**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					8.0637	0.0000	8.0637	1.2210	0.0000	1.2210			0.0000			0.0000
Off-Road	4.3853	37.7589	47.1873	0.0844		1.6506	1.6506		1.5679	1.5679		8,085.1208	8,085.1208	1.5563		8,124.0285
<b>Total</b>	<b>4.3853</b>	<b>37.7589</b>	<b>47.1873</b>	<b>0.0844</b>	<b>8.0637</b>	<b>1.6506</b>	<b>9.7143</b>	<b>1.2210</b>	<b>1.5679</b>	<b>2.7888</b>		<b>8,085.1208</b>	<b>8,085.1208</b>	<b>1.5563</b>		<b>8,124.0285</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Eastern Breakwater - 2029**

**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	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
Worker	0.1283	0.0719	1.0370	3.9200e-003	0.5853	1.9700e-003	0.5873	0.1552	1.8200e-003	0.1570		396.0670	396.0670	6.1300e-003	8.7500e-003	398.8288
<b>Total</b>	<b>0.1283</b>	<b>0.0719</b>	<b>1.0370</b>	<b>3.9200e-003</b>	<b>0.5853</b>	<b>1.9700e-003</b>	<b>0.5873</b>	<b>0.1552</b>	<b>1.8200e-003</b>	<b>0.1570</b>		<b>396.0670</b>	<b>396.0670</b>	<b>6.1300e-003</b>	<b>8.7500e-003</b>	<b>398.8288</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					3.6287	0.0000	3.6287	0.5494	0.0000	0.5494			0.0000			0.0000
Off-Road	3.7827	32.6730	49.0961	0.0844		1.3732	1.3732		1.3035	1.3035	0.0000	8,085.1208	8,085.1208	1.5563		8,124.0285
<b>Total</b>	<b>3.7827</b>	<b>32.6730</b>	<b>49.0961</b>	<b>0.0844</b>	<b>3.6287</b>	<b>1.3732</b>	<b>5.0019</b>	<b>0.5494</b>	<b>1.3035</b>	<b>1.8529</b>	<b>0.0000</b>	<b>8,085.1208</b>	<b>8,085.1208</b>	<b>1.5563</b>		<b>8,124.0285</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Eastern Breakwater - 2029**

**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	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
Worker	0.1283	0.0719	1.0370	3.9200e-003	0.5853	1.9700e-003	0.5873	0.1552	1.8200e-003	0.1570		396.0670	396.0670	6.1300e-003	8.7500e-003	398.8288
<b>Total</b>	<b>0.1283</b>	<b>0.0719</b>	<b>1.0370</b>	<b>3.9200e-003</b>	<b>0.5853</b>	<b>1.9700e-003</b>	<b>0.5873</b>	<b>0.1552</b>	<b>1.8200e-003</b>	<b>0.1570</b>		<b>396.0670</b>	<b>396.0670</b>	<b>6.1300e-003</b>	<b>8.7500e-003</b>	<b>398.8288</b>

**3.4 Eastern Breakwater - 2030**

**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					8.0637	0.0000	8.0637	1.2210	0.0000	1.2210			0.0000			0.0000
Off-Road	3.7853	21.2422	46.4819	0.0945		0.5974	0.5974		0.5974	0.5974		8,946.7002	8,946.7002	0.3357		8,955.0921
<b>Total</b>	<b>3.7853</b>	<b>21.2422</b>	<b>46.4819</b>	<b>0.0945</b>	<b>8.0637</b>	<b>0.5974</b>	<b>8.6611</b>	<b>1.2210</b>	<b>0.5974</b>	<b>1.8184</b>		<b>8,946.7002</b>	<b>8,946.7002</b>	<b>0.3357</b>		<b>8,955.0921</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Eastern Breakwater - 2030**

**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	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
Worker	0.1212	0.0664	0.9919	3.8300e-003	0.5853	1.8400e-003	0.5872	0.1552	1.7000e-003	0.1569		386.9604	386.9604	5.6600e-003	8.4000e-003	389.6061
<b>Total</b>	<b>0.1212</b>	<b>0.0664</b>	<b>0.9919</b>	<b>3.8300e-003</b>	<b>0.5853</b>	<b>1.8400e-003</b>	<b>0.5872</b>	<b>0.1552</b>	<b>1.7000e-003</b>	<b>0.1569</b>		<b>386.9604</b>	<b>386.9604</b>	<b>5.6600e-003</b>	<b>8.4000e-003</b>	<b>389.6061</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					3.6287	0.0000	3.6287	0.5494	0.0000	0.5494			0.0000			0.0000
Off-Road	3.1843	18.8977	47.7848	0.0945		0.5173	0.5173		0.5173	0.5173	0.0000	8,946.7002	8,946.7002	0.3357		8,955.0921
<b>Total</b>	<b>3.1843</b>	<b>18.8977</b>	<b>47.7848</b>	<b>0.0945</b>	<b>3.6287</b>	<b>0.5173</b>	<b>4.1459</b>	<b>0.5494</b>	<b>0.5173</b>	<b>1.0667</b>	<b>0.0000</b>	<b>8,946.7002</b>	<b>8,946.7002</b>	<b>0.3357</b>		<b>8,955.0921</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Eastern Breakwater - 2030**

**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	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
Worker	0.1212	0.0664	0.9919	3.8300e-003	0.5853	1.8400e-003	0.5872	0.1552	1.7000e-003	0.1569		386.9604	386.9604	5.6600e-003	8.4000e-003	389.6061
<b>Total</b>	<b>0.1212</b>	<b>0.0664</b>	<b>0.9919</b>	<b>3.8300e-003</b>	<b>0.5853</b>	<b>1.8400e-003</b>	<b>0.5872</b>	<b>0.1552</b>	<b>1.7000e-003</b>	<b>0.1569</b>		<b>386.9604</b>	<b>386.9604</b>	<b>5.6600e-003</b>	<b>8.4000e-003</b>	<b>389.6061</b>

**3.4 Eastern Breakwater - 2031**

**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					8.0637	0.0000	8.0637	1.2210	0.0000	1.2210			0.0000			0.0000
Off-Road	3.7853	21.2422	46.4819	0.0945		0.5974	0.5974		0.5974	0.5974		8,946.7002	8,946.7002	0.3357		8,955.0921
<b>Total</b>	<b>3.7853</b>	<b>21.2422</b>	<b>46.4819</b>	<b>0.0945</b>	<b>8.0637</b>	<b>0.5974</b>	<b>8.6611</b>	<b>1.2210</b>	<b>0.5974</b>	<b>1.8184</b>		<b>8,946.7002</b>	<b>8,946.7002</b>	<b>0.3357</b>		<b>8,955.0921</b>



Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Eastern Breakwater - 2031**

**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	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
Worker	0.1139	0.0615	0.9539	3.7500e-003	0.5853	1.7300e-003	0.5871	0.1552	1.6000e-003	0.1568		379.3549	379.3549	5.2500e-003	8.1000e-003	381.9007
<b>Total</b>	<b>0.1139</b>	<b>0.0615</b>	<b>0.9539</b>	<b>3.7500e-003</b>	<b>0.5853</b>	<b>1.7300e-003</b>	<b>0.5871</b>	<b>0.1552</b>	<b>1.6000e-003</b>	<b>0.1568</b>		<b>379.3549</b>	<b>379.3549</b>	<b>5.2500e-003</b>	<b>8.1000e-003</b>	<b>381.9007</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					3.6287	0.0000	3.6287	0.5494	0.0000	0.5494			0.0000			0.0000
Off-Road	3.1843	18.8977	47.7848	0.0945		0.5173	0.5173		0.5173	0.5173	0.0000	8,946.7002	8,946.7002	0.3357		8,955.0921
<b>Total</b>	<b>3.1843</b>	<b>18.8977</b>	<b>47.7848</b>	<b>0.0945</b>	<b>3.6287</b>	<b>0.5173</b>	<b>4.1459</b>	<b>0.5494</b>	<b>0.5173</b>	<b>1.0667</b>	<b>0.0000</b>	<b>8,946.7002</b>	<b>8,946.7002</b>	<b>0.3357</b>		<b>8,955.0921</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Eastern Breakwater - 2031**

**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	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
Worker	0.1139	0.0615	0.9539	3.7500e-003	0.5853	1.7300e-003	0.5871	0.1552	1.6000e-003	0.1568		379.3549	379.3549	5.2500e-003	8.1000e-003	381.9007
<b>Total</b>	<b>0.1139</b>	<b>0.0615</b>	<b>0.9539</b>	<b>3.7500e-003</b>	<b>0.5853</b>	<b>1.7300e-003</b>	<b>0.5871</b>	<b>0.1552</b>	<b>1.6000e-003</b>	<b>0.1568</b>		<b>379.3549</b>	<b>379.3549</b>	<b>5.2500e-003</b>	<b>8.1000e-003</b>	<b>381.9007</b>

**3.5 Coffe Dam Removal - 2030**

**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	1.5053	6.5822	22.6012	0.0457		0.1920	0.1920		0.1920	0.1920		4,324.6578	4,324.6578	0.1329		4,327.9805
<b>Total</b>	<b>1.5053</b>	<b>6.5822</b>	<b>22.6012</b>	<b>0.0457</b>		<b>0.1920</b>	<b>0.1920</b>		<b>0.1920</b>	<b>0.1920</b>		<b>4,324.6578</b>	<b>4,324.6578</b>	<b>0.1329</b>		<b>4,327.9805</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Coffey Dam Removal - 2030**

**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	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
Worker	0.0623	0.0341	0.5101	1.9700e-003	0.3010	9.5000e-004	0.3020	0.0798	8.7000e-004	0.0807		199.0082	199.0082	2.9100e-003	4.3200e-003	200.3689
<b>Total</b>	<b>0.0623</b>	<b>0.0341</b>	<b>0.5101</b>	<b>1.9700e-003</b>	<b>0.3010</b>	<b>9.5000e-004</b>	<b>0.3020</b>	<b>0.0798</b>	<b>8.7000e-004</b>	<b>0.0807</b>		<b>199.0082</b>	<b>199.0082</b>	<b>2.9100e-003</b>	<b>4.3200e-003</b>	<b>200.3689</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	1.3420	6.3059	23.1257	0.0457		0.1773	0.1773		0.1773	0.1773	0.0000	4,324.6577	4,324.6577	0.1329		4,327.9805
<b>Total</b>	<b>1.3420</b>	<b>6.3059</b>	<b>23.1257</b>	<b>0.0457</b>		<b>0.1773</b>	<b>0.1773</b>		<b>0.1773</b>	<b>0.1773</b>	<b>0.0000</b>	<b>4,324.6577</b>	<b>4,324.6577</b>	<b>0.1329</b>		<b>4,327.9805</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Coffey Dam Removal - 2030**

**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	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
Worker	0.0623	0.0341	0.5101	1.9700e-003	0.3010	9.5000e-004	0.3020	0.0798	8.7000e-004	0.0807		199.0082	199.0082	2.9100e-003	4.3200e-003	200.3689
<b>Total</b>	<b>0.0623</b>	<b>0.0341</b>	<b>0.5101</b>	<b>1.9700e-003</b>	<b>0.3010</b>	<b>9.5000e-004</b>	<b>0.3020</b>	<b>0.0798</b>	<b>8.7000e-004</b>	<b>0.0807</b>		<b>199.0082</b>	<b>199.0082</b>	<b>2.9100e-003</b>	<b>4.3200e-003</b>	<b>200.3689</b>

**3.6 Western Breakwater - 2031**

**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					19.0220	0.0000	19.0220	2.8802	0.0000	2.8802			0.0000			0.0000
Off-Road	7.2159	31.8549	70.6301	0.1721		0.9751	0.9751		0.9751	0.9751		17,063.9907	17,063.9907	0.6371		17,079.9185
<b>Total</b>	<b>7.2159</b>	<b>31.8549</b>	<b>70.6301</b>	<b>0.1721</b>	<b>19.0220</b>	<b>0.9751</b>	<b>19.9970</b>	<b>2.8802</b>	<b>0.9751</b>	<b>3.8552</b>		<b>17,063.9907</b>	<b>17,063.9907</b>	<b>0.6371</b>		<b>17,079.9185</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Western Breakwater - 2031**

**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	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
Worker	0.1790	0.0966	1.4990	5.9000e-003	0.9198	2.7200e-003	0.9225	0.2439	2.5100e-003	0.2464		596.1291	596.1291	8.2400e-003	0.0127	600.1297
<b>Total</b>	<b>0.1790</b>	<b>0.0966</b>	<b>1.4990</b>	<b>5.9000e-003</b>	<b>0.9198</b>	<b>2.7200e-003</b>	<b>0.9225</b>	<b>0.2439</b>	<b>2.5100e-003</b>	<b>0.2464</b>		<b>596.1291</b>	<b>596.1291</b>	<b>8.2400e-003</b>	<b>0.0127</b>	<b>600.1297</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.5599	0.0000	8.5599	1.2961	0.0000	1.2961			0.0000			0.0000
Off-Road	6.5110	29.4674	71.8395	0.1721		0.8996	0.8996		0.8996	0.8996	0.0000	17,063.9907	17,063.9907	0.6371		17,079.9185
<b>Total</b>	<b>6.5110</b>	<b>29.4674</b>	<b>71.8395</b>	<b>0.1721</b>	<b>8.5599</b>	<b>0.8996</b>	<b>9.4595</b>	<b>1.2961</b>	<b>0.8996</b>	<b>2.1957</b>	<b>0.0000</b>	<b>17,063.9907</b>	<b>17,063.9907</b>	<b>0.6371</b>		<b>17,079.9185</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Western Breakwater - 2031**

**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	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
Worker	0.1790	0.0966	1.4990	5.9000e-003	0.9198	2.7200e-003	0.9225	0.2439	2.5100e-003	0.2464		596.1291	596.1291	8.2400e-003	0.0127	600.1297
<b>Total</b>	<b>0.1790</b>	<b>0.0966</b>	<b>1.4990</b>	<b>5.9000e-003</b>	<b>0.9198</b>	<b>2.7200e-003</b>	<b>0.9225</b>	<b>0.2439</b>	<b>2.5100e-003</b>	<b>0.2464</b>		<b>596.1291</b>	<b>596.1291</b>	<b>8.2400e-003</b>	<b>0.0127</b>	<b>600.1297</b>

**3.6 Western Breakwater - 2032**

**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					19.0220	0.0000	19.0220	2.8802	0.0000	2.8802			0.0000			0.0000
Off-Road	7.2159	31.8549	70.6301	0.1721		0.9751	0.9751		0.9751	0.9751		17,063.9907	17,063.9907	0.6371		17,079.9185
<b>Total</b>	<b>7.2159</b>	<b>31.8549</b>	<b>70.6301</b>	<b>0.1721</b>	<b>19.0220</b>	<b>0.9751</b>	<b>19.9970</b>	<b>2.8802</b>	<b>0.9751</b>	<b>3.8552</b>		<b>17,063.9907</b>	<b>17,063.9907</b>	<b>0.6371</b>		<b>17,079.9185</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Western Breakwater - 2032**

**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	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
Worker	0.1686	0.0901	1.4440	5.7800e-003	0.9198	2.5500e-003	0.9223	0.2439	2.3500e-003	0.2463		584.7439	584.7439	7.6500e-003	0.0123	588.6096
<b>Total</b>	<b>0.1686</b>	<b>0.0901</b>	<b>1.4440</b>	<b>5.7800e-003</b>	<b>0.9198</b>	<b>2.5500e-003</b>	<b>0.9223</b>	<b>0.2439</b>	<b>2.3500e-003</b>	<b>0.2463</b>		<b>584.7439</b>	<b>584.7439</b>	<b>7.6500e-003</b>	<b>0.0123</b>	<b>588.6096</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.5599	0.0000	8.5599	1.2961	0.0000	1.2961			0.0000			0.0000
Off-Road	6.5110	29.4674	71.8395	0.1721		0.8996	0.8996		0.8996	0.8996	0.0000	17,063.9907	17,063.9907	0.6371		17,079.9185
<b>Total</b>	<b>6.5110</b>	<b>29.4674</b>	<b>71.8395</b>	<b>0.1721</b>	<b>8.5599</b>	<b>0.8996</b>	<b>9.4595</b>	<b>1.2961</b>	<b>0.8996</b>	<b>2.1957</b>	<b>0.0000</b>	<b>17,063.9907</b>	<b>17,063.9907</b>	<b>0.6371</b>		<b>17,079.9185</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Western Breakwater - 2032**

**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	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
Worker	0.1686	0.0901	1.4440	5.7800e-003	0.9198	2.5500e-003	0.9223	0.2439	2.3500e-003	0.2463		584.7439	584.7439	7.6500e-003	0.0123	588.6096
<b>Total</b>	<b>0.1686</b>	<b>0.0901</b>	<b>1.4440</b>	<b>5.7800e-003</b>	<b>0.9198</b>	<b>2.5500e-003</b>	<b>0.9223</b>	<b>0.2439</b>	<b>2.3500e-003</b>	<b>0.2463</b>		<b>584.7439</b>	<b>584.7439</b>	<b>7.6500e-003</b>	<b>0.0123</b>	<b>588.6096</b>



Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Heavy Industry	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Heavy Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Heavy Industry	0.518500	0.056626	0.189643	0.140762	0.030399	0.007841	0.010730	0.006132	0.000824	0.000442	0.030440	0.001544	0.006118

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Heavy Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**5.2 Energy by Land Use - NaturalGas**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Heavy Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3075	0.0302	3.3303	2.5000e-004		0.0119	0.0119		0.0119	0.0119		7.1499	7.1499	0.0187		7.6166
Unmitigated	0.3075	0.0302	3.3303	2.5000e-004		0.0119	0.0119		0.0119	0.0119		7.1499	7.1499	0.0187		7.6166

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.3075	0.0302	3.3303	2.5000e-004		0.0119	0.0119		0.0119	0.0119		7.1499	7.1499	0.0187		7.6166
<b>Total</b>	<b>0.3075</b>	<b>0.0302</b>	<b>3.3303</b>	<b>2.5000e-004</b>		<b>0.0119</b>	<b>0.0119</b>		<b>0.0119</b>	<b>0.0119</b>		<b>7.1499</b>	<b>7.1499</b>	<b>0.0187</b>		<b>7.6166</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.3075	0.0302	3.3303	2.5000e-004		0.0119	0.0119		0.0119	0.0119		7.1499	7.1499	0.0187		7.6166
<b>Total</b>	<b>0.3075</b>	<b>0.0302</b>	<b>3.3303</b>	<b>2.5000e-004</b>		<b>0.0119</b>	<b>0.0119</b>		<b>0.0119</b>	<b>0.0119</b>		<b>7.1499</b>	<b>7.1499</b>	<b>0.0187</b>		<b>7.6166</b>

**7.0 Water Detail**

---

**7.1 Mitigation Measures Water**

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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
----------------	--------	-----------	-----------	-------------	-------------	-----------

**10.0 Stationary Equipment**

---

**Fire Pumps and Emergency Generators**

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

**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

**User Defined Equipment**

Equipment Type	Number
----------------	--------

**11.0 Vegetation**

---

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**Diablo Canyon Decommissioning Alternative 8  
South Central Coast Air Basin, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Heavy Industry	32,670.00	1000sqft	750.00	32,670,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.9	<b>Precipitation Freq (Days)</b>	37
<b>Climate Zone</b>	4			<b>Operational Year</b>	2024
<b>Utility Company</b>					
<b>CO2 Intensity (lb/MWhr)</b>	0	<b>CH4 Intensity (lb/MWhr)</b>	0	<b>N2O Intensity (lb/MWhr)</b>	0

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

- Project Characteristics -
- Land Use -
- Construction Phase - Estimated timeline Alt 8 conceptual schedule
- Off-road Equipment - equipment list
- Off-road Equipment - coffer dam equipment
- Off-road Equipment - coffer removal
- Off-road Equipment - estimated demolition equipment
- Off-road Equipment - estimated construction equipment
- Off-road Equipment - estimated demolition equipment
- Trips and VMT - Trip Estimates
- Demolition -
- Grading - Grading tab

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Vehicle Trips - no operational

Vehicle Emission Factors - no operational

Vehicle Emission Factors -

Vehicle Emission Factors -

Road Dust - no operational

Consumer Products - no operational

Area Coating - no architectural coating

Energy Use - no operational

Water And Wastewater - no indoor water use

Solid Waste - no op

Construction Off-road Equipment Mitigation - APM AQ 1-5

Fleet Mix - no operational

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	0
tblAreaCoating	Area_EF_Nonresidential_Interior	250	0
tblAreaCoating	Area_EF_Parking	250	0
tblAreaCoating	Area_EF_Residential_Exterior	250	0
tblAreaCoating	Area_EF_Residential_Interior	250	0
tblAreaCoating	Area_Nonresidential_Exterior	16335000	0
tblAreaCoating	Area_Nonresidential_Interior	49005000	0
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00



Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	800.00	370.00
tblConstructionPhase	NumDays	800.00	522.00
tblConstructionPhase	NumDays	800.00	261.00
tblConstructionPhase	NumDays	800.00	523.00
tblConstructionPhase	NumDays	480.00	261.00
tblConsumerProducts	ROG_EF	2.14E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblEnergyUse	LightingElect	3.08	0.00
tblEnergyUse	NT24E	3.70	0.00
tblEnergyUse	NT24NG	6.67	0.00
tblEnergyUse	T24E	1.32	0.00
tblEnergyUse	T24NG	19.51	0.00
tblOffRoadEquipment	HorsePower	97.00	124.00
tblOffRoadEquipment	HorsePower	97.00	158.00
tblOffRoadEquipment	LoadFactor	0.37	0.44
tblOffRoadEquipment	LoadFactor	0.37	0.38
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblRoadDust	MeanVehicleSpeed	40	0
tblRoadDust	MobileAverageVehicleWeight	2.4	0
tblRoadDust	RoadSiltLoading	0.1	0
tblSolidWaste	SolidWasteGenerationRate	40,510.80	0.00
tblTripsAndVMT	HaulingTripNumber	2,337.00	0.00
tblTripsAndVMT	HaulingTripNumber	19,028.00	0.00
tblTripsAndVMT	HaulingTripNumber	44,971.00	0.00
tblTripsAndVMT	VendorTripLength	7.30	13.00
tblTripsAndVMT	VendorTripLength	7.30	13.00
tblTripsAndVMT	VendorTripLength	7.30	13.00
tblTripsAndVMT	VendorTripLength	7.30	13.00
tblTripsAndVMT	VendorTripLength	7.30	13.00
tblTripsAndVMT	WorkerTripLength	10.80	22.00
tblTripsAndVMT	WorkerTripLength	10.80	22.00
tblTripsAndVMT	WorkerTripLength	10.80	22.00
tblTripsAndVMT	WorkerTripLength	10.80	22.00
tblTripsAndVMT	WorkerTripLength	10.80	22.00
tblVehicleTrips	ST_TR	6.42	0.00
tblVehicleTrips	SU_TR	5.09	0.00
tblVehicleTrips	WD_TR	3.93	0.00
tblWater	ElectricityIntensityFactorForWastewaterTreatment	1,911.00	0.00
tblWater	ElectricityIntensityFactorToDistribute	1,272.00	0.00
tblWater	ElectricityIntensityFactorToSupply	2,117.00	0.00
tblWater	ElectricityIntensityFactorToTreat	111.00	0.00
tblWater	IndoorWaterUseRate	7,554,937,500.00	0.00

**2.0 Emissions Summary**

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**2.1 Overall Construction**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2027	0.1930	1.7491	2.4370	4.3800e-003	0.0384	0.0723	0.1107	0.0102	0.0686	0.0788	0.0000	382.2779	382.2779	0.0741	5.8000e-004	384.3013
2028	1.1284	9.4059	11.7118	0.0223	0.3262	0.4020	0.7282	0.0659	0.3797	0.4456	0.0000	1,948.0765	1,948.0765	0.4163	2.0600e-003	1,959.0975
2029	0.8164	6.8349	8.5899	0.0161	0.7900	0.2948	1.0849	0.1315	0.2791	0.4107	0.0000	1,404.2456	1,404.2456	0.2831	1.4200e-003	1,411.7461
2030	0.7117	3.6438	9.2104	0.0191	1.1654	0.1034	1.2688	0.1894	0.1034	0.2927	0.0000	1,640.9246	1,640.9246	0.0565	1.4800e-003	1,642.7774
2031	1.1761	5.3409	12.0206	0.0286	3.0747	0.1606	3.2353	0.4826	0.1605	0.6431	0.0000	2,556.5663	2,556.5663	0.0934	1.8800e-003	2,559.4607
2032	0.9648	4.1845	9.4407	0.0233	2.6097	0.1281	2.7378	0.4086	0.1280	0.5366	0.0000	2,097.7866	2,097.7866	0.0766	1.4400e-003	2,100.1308
<b>Maximum</b>	<b>1.1761</b>	<b>9.4059</b>	<b>12.0206</b>	<b>0.0286</b>	<b>3.0747</b>	<b>0.4020</b>	<b>3.2353</b>	<b>0.4826</b>	<b>0.3797</b>	<b>0.6431</b>	<b>0.0000</b>	<b>2,556.5663</b>	<b>2,556.5663</b>	<b>0.4163</b>	<b>2.0600e-003</b>	<b>2,559.4607</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**2.1 Overall Construction**

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2027	0.1788	1.5720	2.4540	4.3800e-003	0.0384	0.0649	0.1033	0.0102	0.0618	0.0721	0.0000	382.2775	382.2775	0.0741	5.8000e-004	384.3009
2028	0.8707	6.4382	12.9435	0.0223	0.2263	0.2896	0.5159	0.0508	0.2762	0.3270	0.0000	1,948.0743	1,948.0743	0.4163	2.0600e-003	1,959.0952
2029	0.6618	5.1953	9.2552	0.0161	0.4129	0.2263	0.6393	0.0744	0.2154	0.2898	0.0000	1,404.2440	1,404.2440	0.2831	1.4200e-003	1,411.7445
2030	0.6119	3.3018	9.4489	0.0191	0.5867	0.0910	0.6777	0.1018	0.0910	0.1927	0.0000	1,640.9227	1,640.9227	0.0565	1.4800e-003	1,642.7755
2031	1.0511	4.9004	12.2500	0.0286	1.4655	0.1463	1.6118	0.2389	0.1463	0.3852	0.0000	2,556.5633	2,556.5633	0.0934	1.8800e-003	2,559.4577
2032	0.8725	3.8717	9.5992	0.0233	1.2392	0.1182	1.3574	0.2011	0.1182	0.3192	0.0000	2,097.7842	2,097.7842	0.0766	1.4400e-003	2,100.1284
<b>Maximum</b>	<b>1.0511</b>	<b>6.4382</b>	<b>12.9435</b>	<b>0.0286</b>	<b>1.4655</b>	<b>0.2896</b>	<b>1.6118</b>	<b>0.2389</b>	<b>0.2762</b>	<b>0.3852</b>	<b>0.0000</b>	<b>2,556.5633</b>	<b>2,556.5633</b>	<b>0.4163</b>	<b>2.0600e-003</b>	<b>2,559.4577</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>14.90</b>	<b>18.87</b>	<b>-4.76</b>	<b>0.00</b>	<b>50.42</b>	<b>19.36</b>	<b>46.48</b>	<b>47.43</b>	<b>18.81</b>	<b>34.12</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
20	10-26-2026	1-25-2027	0.1330	0.1199
21	1-26-2027	4-25-2027	0.4785	0.4314
22	4-26-2027	7-25-2027	0.4835	0.4358
23	7-26-2027	10-25-2027	0.4889	0.4407
24	10-26-2027	1-25-2028	1.0801	0.8235

## Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

25	1-26-2028	4-25-2028	2.6342	1.8278
26	4-26-2028	7-25-2028	2.6328	1.8264
27	7-26-2028	10-25-2028	2.6623	1.8470
28	10-26-2028	1-25-2029	2.6634	1.8481
29	1-26-2029	4-25-2029	2.6044	1.8069
30	4-26-2029	7-25-2029	1.8863	1.4487
31	7-26-2029	10-25-2029	1.3907	1.2037
32	10-26-2029	1-25-2030	1.3114	1.1451
33	1-26-2030	4-25-2030	1.0732	0.9644
34	4-26-2030	7-25-2030	1.0842	0.9742
35	7-26-2030	10-25-2030	1.0964	0.9852
36	10-26-2030	1-25-2031	1.3755	1.2406
37	1-26-2031	4-25-2031	2.0742	1.8802
38	4-26-2031	7-25-2031	1.6282	1.4867
39	7-26-2031	10-25-2031	1.2919	1.1903
40	10-26-2031	1-25-2032	1.2927	1.1911
41	1-26-2032	4-25-2032	1.2779	1.1774
42	4-26-2032	7-25-2032	1.2770	1.1765
43	7-26-2032	9-30-2032	0.9402	0.8662
		Highest	2.6634	1.8802

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.0277	2.7200e-003	0.2997	2.0000e-005		1.0700e-003	1.0700e-003		1.0700e-003	1.0700e-003	0.0000	0.5838	0.5838	1.5200e-003	0.0000	0.6219
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0277</b>	<b>2.7200e-003</b>	<b>0.2997</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>1.0700e-003</b>	<b>1.0700e-003</b>	<b>0.0000</b>	<b>1.0700e-003</b>	<b>1.0700e-003</b>	<b>0.0000</b>	<b>0.5838</b>	<b>0.5838</b>	<b>1.5200e-003</b>	<b>0.0000</b>	<b>0.6219</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.0277	2.7200e-003	0.2997	2.0000e-005		1.0700e-003	1.0700e-003		1.0700e-003	1.0700e-003	0.0000	0.5838	0.5838	1.5200e-003	0.0000	0.6219
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0277</b>	<b>2.7200e-003</b>	<b>0.2997</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>1.0700e-003</b>	<b>1.0700e-003</b>	<b>0.0000</b>	<b>1.0700e-003</b>	<b>1.0700e-003</b>	<b>0.0000</b>	<b>0.5838</b>	<b>0.5838</b>	<b>1.5200e-003</b>	<b>0.0000</b>	<b>0.6219</b>

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Coffer Dam Construction	Site Preparation	1/1/2027	12/31/2027	5	261	
2	Intake Structure	Demolition	1/1/2028	6/1/2029	5	370	
3	Eastern Breakwater	Demolition	6/2/2029	6/3/2031	5	522	

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

4	Coffer Dam Removal	Demolition	1/1/2030	12/31/2030	5	261
5	Western Breakwater	Demolition	1/1/2031	12/31/2032	5	523

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

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

**Acres of Paving: 0**

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

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Coffer Dam Construction	Cranes	1	8.00	231	0.29
Coffer Dam Construction	Pumps	2	8.00	84	0.74
Coffer Dam Construction	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Intake Structure	Concrete/Industrial Saws	3	8.00	81	0.73
Intake Structure	Crushing/Proc. Equipment	3	8.00	85	0.78
Intake Structure	Crushing/Proc. Equipment	3	8.00	85	0.78
Intake Structure	Excavators	3	8.00	158	0.38
Intake Structure	Graders	3	8.00	187	0.41
Intake Structure	Other Construction Equipment	3	8.00	172	0.42
Intake Structure	Rubber Tired Dozers	3	8.00	247	0.40
Intake Structure	Tractors/Loaders/Backhoes	3	8.00	124	0.44
Intake Structure	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Eastern Breakwater	Concrete/Industrial Saws	1	8.00	81	0.73
Eastern Breakwater	Crushing/Proc. Equipment	2	8.00	85	0.78
Eastern Breakwater	Crushing/Proc. Equipment	1	8.00	85	0.78
Eastern Breakwater	Excavators	2	8.00	158	0.38
Eastern Breakwater	Generator Sets	2	8.00	84	0.74
Eastern Breakwater	Other Construction Equipment	2	8.00	172	0.42



Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Eastern Breakwater	Rubber Tired Dozers	2	8.00	247	0.40
Eastern Breakwater	Skid Steer Loaders	2	8.00	65	0.37
Coffer Dam Removal	Cranes	1	8.00	231	0.29
Coffer Dam Removal	Pumps	2	8.00	84	0.74
Coffer Dam Removal	Tractors/Loaders/Backhoes	4	8.00	158	0.38
Western Breakwater	Concrete/Industrial Saws	3	8.00	81	0.73
Western Breakwater	Cranes	1	8.00	231	0.29
Western Breakwater	Crushing/Proc. Equipment	3	8.00	85	0.78
Western Breakwater	Excavators	3	8.00	158	0.38
Western Breakwater	Off-Highway Trucks	3	8.00	402	0.38
Western Breakwater	Other Construction Equipment	3	8.00	172	0.42
Western Breakwater	Rubber Tired Dozers	3	8.00	247	0.40
Western Breakwater	Tractors/Loaders/Backhoes	3	8.00	97	0.37

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Coffer Dam Construction	7	18.00	0.00	0.00	22.00	13.00	20.00	LD_Mix	HDT_Mix	HHDT
Intake Structure	27	68.00	0.00	0.00	22.00	13.00	20.00	LD_Mix	HDT_Mix	HHDT
Eastern Breakwater	14	35.00	0.00	0.00	22.00	13.00	20.00	LD_Mix	HDT_Mix	HHDT
Coffer Dam Removal	7	18.00	0.00	0.00	22.00	13.00	20.00	LD_Mix	HDT_Mix	HHDT
Western Breakwater	22	55.00	0.00	0.00	22.00	13.00	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Coffer Dam Construction - 2027**

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1845	1.7436	2.3602	4.1000e-003		0.0721	0.0721		0.0685	0.0685	0.0000	356.7159	356.7159	0.0736	0.0000	358.5567
<b>Total</b>	<b>0.1845</b>	<b>1.7436</b>	<b>2.3602</b>	<b>4.1000e-003</b>	<b>0.0000</b>	<b>0.0721</b>	<b>0.0721</b>	<b>0.0000</b>	<b>0.0685</b>	<b>0.0685</b>	<b>0.0000</b>	<b>356.7159</b>	<b>356.7159</b>	<b>0.0736</b>	<b>0.0000</b>	<b>358.5567</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.5500e-003	5.5800e-003	0.0768	2.8000e-004	0.0384	1.5000e-004	0.0386	0.0102	1.4000e-004	0.0103	0.0000	25.5620	25.5620	4.3000e-004	5.8000e-004	25.7446
<b>Total</b>	<b>8.5500e-003</b>	<b>5.5800e-003</b>	<b>0.0768</b>	<b>2.8000e-004</b>	<b>0.0384</b>	<b>1.5000e-004</b>	<b>0.0386</b>	<b>0.0102</b>	<b>1.4000e-004</b>	<b>0.0103</b>	<b>0.0000</b>	<b>25.5620</b>	<b>25.5620</b>	<b>4.3000e-004</b>	<b>5.8000e-004</b>	<b>25.7446</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Coffer Dam Construction - 2027**

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1702	1.5664	2.3772	4.1000e-003		0.0647	0.0647		0.0617	0.0617	0.0000	356.7155	356.7155	0.0736	0.0000	358.5562
<b>Total</b>	<b>0.1702</b>	<b>1.5664</b>	<b>2.3772</b>	<b>4.1000e-003</b>	<b>0.0000</b>	<b>0.0647</b>	<b>0.0647</b>	<b>0.0000</b>	<b>0.0617</b>	<b>0.0617</b>	<b>0.0000</b>	<b>356.7155</b>	<b>356.7155</b>	<b>0.0736</b>	<b>0.0000</b>	<b>358.5562</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.5500e-003	5.5800e-003	0.0768	2.8000e-004	0.0384	1.5000e-004	0.0386	0.0102	1.4000e-004	0.0103	0.0000	25.5620	25.5620	4.3000e-004	5.8000e-004	25.7446
<b>Total</b>	<b>8.5500e-003</b>	<b>5.5800e-003</b>	<b>0.0768</b>	<b>2.8000e-004</b>	<b>0.0384</b>	<b>1.5000e-004</b>	<b>0.0386</b>	<b>0.0102</b>	<b>1.4000e-004</b>	<b>0.0103</b>	<b>0.0000</b>	<b>25.5620</b>	<b>25.5620</b>	<b>4.3000e-004</b>	<b>5.8000e-004</b>	<b>25.7446</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Intake Structure - 2028**

**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					0.1816	0.0000	0.1816	0.0275	0.0000	0.0275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0979	9.3867	11.4378	0.0213		0.4015	0.4015		0.3792	0.3792	0.0000	1,854.477 2	1,854.477 2	0.4148	0.0000	1,864.846 0
<b>Total</b>	<b>1.0979</b>	<b>9.3867</b>	<b>11.4378</b>	<b>0.0213</b>	<b>0.1816</b>	<b>0.4015</b>	<b>0.5831</b>	<b>0.0275</b>	<b>0.3792</b>	<b>0.4067</b>	<b>0.0000</b>	<b>1,854.477 2</b>	<b>1,854.477 2</b>	<b>0.4148</b>	<b>0.0000</b>	<b>1,864.846 0</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0305	0.0192	0.2739	1.0200e-003	0.1446	5.3000e-004	0.1451	0.0384	4.9000e-004	0.0389	0.0000	93.5993	93.5993	1.4900e-003	2.0600e-003	94.2515
<b>Total</b>	<b>0.0305</b>	<b>0.0192</b>	<b>0.2739</b>	<b>1.0200e-003</b>	<b>0.1446</b>	<b>5.3000e-004</b>	<b>0.1451</b>	<b>0.0384</b>	<b>4.9000e-004</b>	<b>0.0389</b>	<b>0.0000</b>	<b>93.5993</b>	<b>93.5993</b>	<b>1.4900e-003</b>	<b>2.0600e-003</b>	<b>94.2515</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Intake Structure - 2028**

**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					0.0817	0.0000	0.0817	0.0124	0.0000	0.0124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.8402	6.4190	12.6696	0.0213		0.2891	0.2891		0.2757	0.2757	0.0000	1,854.4750	1,854.4750	0.4148	0.0000	1,864.8438
<b>Total</b>	<b>0.8402</b>	<b>6.4190</b>	<b>12.6696</b>	<b>0.0213</b>	<b>0.0817</b>	<b>0.2891</b>	<b>0.3708</b>	<b>0.0124</b>	<b>0.2757</b>	<b>0.2881</b>	<b>0.0000</b>	<b>1,854.4750</b>	<b>1,854.4750</b>	<b>0.4148</b>	<b>0.0000</b>	<b>1,864.8438</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0305	0.0192	0.2739	1.0200e-003	0.1446	5.3000e-004	0.1451	0.0384	4.9000e-004	0.0389	0.0000	93.5993	93.5993	1.4900e-003	2.0600e-003	94.2515
<b>Total</b>	<b>0.0305</b>	<b>0.0192</b>	<b>0.2739</b>	<b>1.0200e-003</b>	<b>0.1446</b>	<b>5.3000e-004</b>	<b>0.1451</b>	<b>0.0384</b>	<b>4.9000e-004</b>	<b>0.0389</b>	<b>0.0000</b>	<b>93.5993</b>	<b>93.5993</b>	<b>1.4900e-003</b>	<b>2.0600e-003</b>	<b>94.2515</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Intake Structure - 2029**

**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					0.0768	0.0000	0.0768	0.0116	0.0000	0.0116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4645	3.9713	4.8391	9.0100e-003		0.1699	0.1699		0.1604	0.1604	0.0000	784.5865	784.5865	0.1755	0.0000	788.9733
<b>Total</b>	<b>0.4645</b>	<b>3.9713</b>	<b>4.8391</b>	<b>9.0100e-003</b>	<b>0.0768</b>	<b>0.1699</b>	<b>0.2467</b>	<b>0.0116</b>	<b>0.1604</b>	<b>0.1721</b>	<b>0.0000</b>	<b>784.5865</b>	<b>784.5865</b>	<b>0.1755</b>	<b>0.0000</b>	<b>788.9733</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0122	7.4700e-003	0.1103	4.2000e-004	0.0612	2.1000e-004	0.0614	0.0163	1.9000e-004	0.0164	0.0000	38.6097	38.6097	5.8000e-004	8.3000e-004	38.8727
<b>Total</b>	<b>0.0122</b>	<b>7.4700e-003</b>	<b>0.1103</b>	<b>4.2000e-004</b>	<b>0.0612</b>	<b>2.1000e-004</b>	<b>0.0614</b>	<b>0.0163</b>	<b>1.9000e-004</b>	<b>0.0164</b>	<b>0.0000</b>	<b>38.6097</b>	<b>38.6097</b>	<b>5.8000e-004</b>	<b>8.3000e-004</b>	<b>38.8727</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Intake Structure - 2029**

**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					0.0346	0.0000	0.0346	5.2400e-003	0.0000	5.2400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3555	2.7157	5.3602	9.0100e-003		0.1223	0.1223		0.1166	0.1166	0.0000	784.5856	784.5856	0.1755	0.0000	788.9724
<b>Total</b>	<b>0.3555</b>	<b>2.7157</b>	<b>5.3602</b>	<b>9.0100e-003</b>	<b>0.0346</b>	<b>0.1223</b>	<b>0.1569</b>	<b>5.2400e-003</b>	<b>0.1166</b>	<b>0.1219</b>	<b>0.0000</b>	<b>784.5856</b>	<b>784.5856</b>	<b>0.1755</b>	<b>0.0000</b>	<b>788.9724</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0122	7.4700e-003	0.1103	4.2000e-004	0.0612	2.1000e-004	0.0614	0.0163	1.9000e-004	0.0164	0.0000	38.6097	38.6097	5.8000e-004	8.3000e-004	38.8727
<b>Total</b>	<b>0.0122</b>	<b>7.4700e-003</b>	<b>0.1103</b>	<b>4.2000e-004</b>	<b>0.0612</b>	<b>2.1000e-004</b>	<b>0.0614</b>	<b>0.0163</b>	<b>1.9000e-004</b>	<b>0.0164</b>	<b>0.0000</b>	<b>38.6097</b>	<b>38.6097</b>	<b>5.8000e-004</b>	<b>8.3000e-004</b>	<b>38.8727</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Eastern Breakwater - 2029**

**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					0.6088	0.0000	0.6088	0.0922	0.0000	0.0922	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3311	2.8508	3.5626	6.3700e-003		0.1246	0.1246		0.1184	0.1184	0.0000	553.7697	553.7697	0.1066	0.0000	556.4346
<b>Total</b>	<b>0.3311</b>	<b>2.8508</b>	<b>3.5626</b>	<b>6.3700e-003</b>	<b>0.6088</b>	<b>0.1246</b>	<b>0.7334</b>	<b>0.0922</b>	<b>0.1184</b>	<b>0.2106</b>	<b>0.0000</b>	<b>553.7697</b>	<b>553.7697</b>	<b>0.1066</b>	<b>0.0000</b>	<b>556.4346</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.6100e-003	5.2800e-003	0.0779	3.0000e-004	0.0432	1.5000e-004	0.0434	0.0115	1.4000e-004	0.0116	0.0000	27.2797	27.2797	4.1000e-004	5.9000e-004	27.4655
<b>Total</b>	<b>8.6100e-003</b>	<b>5.2800e-003</b>	<b>0.0779</b>	<b>3.0000e-004</b>	<b>0.0432</b>	<b>1.5000e-004</b>	<b>0.0434</b>	<b>0.0115</b>	<b>1.4000e-004</b>	<b>0.0116</b>	<b>0.0000</b>	<b>27.2797</b>	<b>27.2797</b>	<b>4.1000e-004</b>	<b>5.9000e-004</b>	<b>27.4655</b>



Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Eastern Breakwater - 2029**

**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					0.2740	0.0000	0.2740	0.0415	0.0000	0.0415	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2856	2.4668	3.7068	6.3700e-003		0.1037	0.1037		0.0984	0.0984	0.0000	553.7691	553.7691	0.1066	0.0000	556.4339
<b>Total</b>	<b>0.2856</b>	<b>2.4668</b>	<b>3.7068</b>	<b>6.3700e-003</b>	<b>0.2740</b>	<b>0.1037</b>	<b>0.3776</b>	<b>0.0415</b>	<b>0.0984</b>	<b>0.1399</b>	<b>0.0000</b>	<b>553.7691</b>	<b>553.7691</b>	<b>0.1066</b>	<b>0.0000</b>	<b>556.4339</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.6100e-003	5.2800e-003	0.0779	3.0000e-004	0.0432	1.5000e-004	0.0434	0.0115	1.4000e-004	0.0116	0.0000	27.2797	27.2797	4.1000e-004	5.9000e-004	27.4655
<b>Total</b>	<b>8.6100e-003</b>	<b>5.2800e-003</b>	<b>0.0779</b>	<b>3.0000e-004</b>	<b>0.0432</b>	<b>1.5000e-004</b>	<b>0.0434</b>	<b>0.0115</b>	<b>1.4000e-004</b>	<b>0.0116</b>	<b>0.0000</b>	<b>27.2797</b>	<b>27.2797</b>	<b>4.1000e-004</b>	<b>5.9000e-004</b>	<b>27.4655</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Eastern Breakwater - 2030**

**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					1.0523	0.0000	1.0523	0.1593	0.0000	0.1593	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4940	2.7721	6.0659	0.0123		0.0780	0.0780		0.0780	0.0780	0.0000	1,059.1785	1,059.1785	0.0397	0.0000	1,060.1719
<b>Total</b>	<b>0.4940</b>	<b>2.7721</b>	<b>6.0659</b>	<b>0.0123</b>	<b>1.0523</b>	<b>0.0780</b>	<b>1.1303</b>	<b>0.1593</b>	<b>0.0780</b>	<b>0.2373</b>	<b>0.0000</b>	<b>1,059.1785</b>	<b>1,059.1785</b>	<b>0.0397</b>	<b>0.0000</b>	<b>1,060.1719</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0140	8.4200e-003	0.1288	5.0000e-004	0.0747	2.4000e-004	0.0749	0.0198	2.2000e-004	0.0201	0.0000	46.0681	46.0681	6.5000e-004	9.8000e-004	46.3758
<b>Total</b>	<b>0.0140</b>	<b>8.4200e-003</b>	<b>0.1288</b>	<b>5.0000e-004</b>	<b>0.0747</b>	<b>2.4000e-004</b>	<b>0.0749</b>	<b>0.0198</b>	<b>2.2000e-004</b>	<b>0.0201</b>	<b>0.0000</b>	<b>46.0681</b>	<b>46.0681</b>	<b>6.5000e-004</b>	<b>9.8000e-004</b>	<b>46.3758</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Eastern Breakwater - 2030**

**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					0.4735	0.0000	0.4735	0.0717	0.0000	0.0717	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4156	2.4661	6.2359	0.0123		0.0675	0.0675		0.0675	0.0675	0.0000	1,059.177 2	1,059.177 2	0.0397	0.0000	1,060.170 7
<b>Total</b>	<b>0.4156</b>	<b>2.4661</b>	<b>6.2359</b>	<b>0.0123</b>	<b>0.4735</b>	<b>0.0675</b>	<b>0.5410</b>	<b>0.0717</b>	<b>0.0675</b>	<b>0.1392</b>	<b>0.0000</b>	<b>1,059.177 2</b>	<b>1,059.177 2</b>	<b>0.0397</b>	<b>0.0000</b>	<b>1,060.170 7</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0140	8.4200e-003	0.1288	5.0000e-004	0.0747	2.4000e-004	0.0749	0.0198	2.2000e-004	0.0201	0.0000	46.0681	46.0681	6.5000e-004	9.8000e-004	46.3758
<b>Total</b>	<b>0.0140</b>	<b>8.4200e-003</b>	<b>0.1288</b>	<b>5.0000e-004</b>	<b>0.0747</b>	<b>2.4000e-004</b>	<b>0.0749</b>	<b>0.0198</b>	<b>2.2000e-004</b>	<b>0.0201</b>	<b>0.0000</b>	<b>46.0681</b>	<b>46.0681</b>	<b>6.5000e-004</b>	<b>9.8000e-004</b>	<b>46.3758</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Eastern Breakwater - 2031**

**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					0.4435	0.0000	0.4435	0.0672	0.0000	0.0672	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2082	1.1683	2.5565	5.2000e-003		0.0329	0.0329		0.0329	0.0329	0.0000	446.3971	446.3971	0.0168	0.0000	446.8158
<b>Total</b>	<b>0.2082</b>	<b>1.1683</b>	<b>2.5565</b>	<b>5.2000e-003</b>	<b>0.4435</b>	<b>0.0329</b>	<b>0.4764</b>	<b>0.0672</b>	<b>0.0329</b>	<b>0.1000</b>	<b>0.0000</b>	<b>446.3971</b>	<b>446.3971</b>	<b>0.0168</b>	<b>0.0000</b>	<b>446.8158</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.5500e-003	3.2900e-003	0.0522	2.1000e-004	0.0315	1.0000e-004	0.0316	8.3600e-003	9.0000e-005	8.4500e-003	0.0000	19.0341	19.0341	2.6000e-004	4.0000e-004	19.1589
<b>Total</b>	<b>5.5500e-003</b>	<b>3.2900e-003</b>	<b>0.0522</b>	<b>2.1000e-004</b>	<b>0.0315</b>	<b>1.0000e-004</b>	<b>0.0316</b>	<b>8.3600e-003</b>	<b>9.0000e-005</b>	<b>8.4500e-003</b>	<b>0.0000</b>	<b>19.0341</b>	<b>19.0341</b>	<b>2.6000e-004</b>	<b>4.0000e-004</b>	<b>19.1589</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Eastern Breakwater - 2031**

**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					0.1996	0.0000	0.1996	0.0302	0.0000	0.0302	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1751	1.0394	2.6282	5.2000e-003		0.0285	0.0285		0.0285	0.0285	0.0000	446.3965	446.3965	0.0168	0.0000	446.8152
<b>Total</b>	<b>0.1751</b>	<b>1.0394</b>	<b>2.6282</b>	<b>5.2000e-003</b>	<b>0.1996</b>	<b>0.0285</b>	<b>0.2280</b>	<b>0.0302</b>	<b>0.0285</b>	<b>0.0587</b>	<b>0.0000</b>	<b>446.3965</b>	<b>446.3965</b>	<b>0.0168</b>	<b>0.0000</b>	<b>446.8152</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.5500e-003	3.2900e-003	0.0522	2.1000e-004	0.0315	1.0000e-004	0.0316	8.3600e-003	9.0000e-005	8.4500e-003	0.0000	19.0341	19.0341	2.6000e-004	4.0000e-004	19.1589
<b>Total</b>	<b>5.5500e-003</b>	<b>3.2900e-003</b>	<b>0.0522</b>	<b>2.1000e-004</b>	<b>0.0315</b>	<b>1.0000e-004</b>	<b>0.0316</b>	<b>8.3600e-003</b>	<b>9.0000e-005</b>	<b>8.4500e-003</b>	<b>0.0000</b>	<b>19.0341</b>	<b>19.0341</b>	<b>2.6000e-004</b>	<b>4.0000e-004</b>	<b>19.1589</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Coffey Dam Removal - 2030**

**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	0.1964	0.8590	2.9495	5.9600e-003		0.0251	0.0251		0.0251	0.0251	0.0000	511.9859	511.9859	0.0157	0.0000	512.3793
<b>Total</b>	<b>0.1964</b>	<b>0.8590</b>	<b>2.9495</b>	<b>5.9600e-003</b>		<b>0.0251</b>	<b>0.0251</b>		<b>0.0251</b>	<b>0.0251</b>	<b>0.0000</b>	<b>511.9859</b>	<b>511.9859</b>	<b>0.0157</b>	<b>0.0000</b>	<b>512.3793</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.2200e-003	4.3300e-003	0.0662	2.6000e-004	0.0384	1.2000e-004	0.0385	0.0102	1.1000e-004	0.0103	0.0000	23.6922	23.6922	3.4000e-004	5.0000e-004	23.8504
<b>Total</b>	<b>7.2200e-003</b>	<b>4.3300e-003</b>	<b>0.0662</b>	<b>2.6000e-004</b>	<b>0.0384</b>	<b>1.2000e-004</b>	<b>0.0385</b>	<b>0.0102</b>	<b>1.1000e-004</b>	<b>0.0103</b>	<b>0.0000</b>	<b>23.6922</b>	<b>23.6922</b>	<b>3.4000e-004</b>	<b>5.0000e-004</b>	<b>23.8504</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Coffey Dam Removal - 2030**

**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	0.1751	0.8229	3.0179	5.9600e-003		0.0231	0.0231		0.0231	0.0231	0.0000	511.9853	511.9853	0.0157	0.0000	512.3787
<b>Total</b>	<b>0.1751</b>	<b>0.8229</b>	<b>3.0179</b>	<b>5.9600e-003</b>		<b>0.0231</b>	<b>0.0231</b>		<b>0.0231</b>	<b>0.0231</b>	<b>0.0000</b>	<b>511.9853</b>	<b>511.9853</b>	<b>0.0157</b>	<b>0.0000</b>	<b>512.3787</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.2200e-003	4.3300e-003	0.0662	2.6000e-004	0.0384	1.2000e-004	0.0385	0.0102	1.1000e-004	0.0103	0.0000	23.6922	23.6922	3.4000e-004	5.0000e-004	23.8504
<b>Total</b>	<b>7.2200e-003</b>	<b>4.3300e-003</b>	<b>0.0662</b>	<b>2.6000e-004</b>	<b>0.0384</b>	<b>1.2000e-004</b>	<b>0.0385</b>	<b>0.0102</b>	<b>1.1000e-004</b>	<b>0.0103</b>	<b>0.0000</b>	<b>23.6922</b>	<b>23.6922</b>	<b>3.4000e-004</b>	<b>5.0000e-004</b>	<b>23.8504</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Western Breakwater - 2031**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.4824	0.0000	2.4824	0.3759	0.0000	0.3759	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.9417	4.1571	9.2172	0.0225		0.1273	0.1273		0.1273	0.1273	0.0000	2,020.165 1	2,020.165 1	0.0754	0.0000	2,022.050 7
<b>Total</b>	<b>0.9417</b>	<b>4.1571</b>	<b>9.2172</b>	<b>0.0225</b>	<b>2.4824</b>	<b>0.1273</b>	<b>2.6096</b>	<b>0.3759</b>	<b>0.1273</b>	<b>0.5031</b>	<b>0.0000</b>	<b>2,020.165 1</b>	<b>2,020.165 1</b>	<b>0.0754</b>	<b>0.0000</b>	<b>2,022.050 7</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0207	0.0123	0.1946	7.7000e-004	0.1174	3.6000e-004	0.1177	0.0312	3.3000e-004	0.0315	0.0000	70.9701	70.9701	9.5000e-004	1.4800e-003	71.4353
<b>Total</b>	<b>0.0207</b>	<b>0.0123</b>	<b>0.1946</b>	<b>7.7000e-004</b>	<b>0.1174</b>	<b>3.6000e-004</b>	<b>0.1177</b>	<b>0.0312</b>	<b>3.3000e-004</b>	<b>0.0315</b>	<b>0.0000</b>	<b>70.9701</b>	<b>70.9701</b>	<b>9.5000e-004</b>	<b>1.4800e-003</b>	<b>71.4353</b>



Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Western Breakwater - 2031**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.1171	0.0000	1.1171	0.1691	0.0000	0.1691	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.8497	3.8455	9.3750	0.0225		0.1174	0.1174		0.1174	0.1174	0.0000	2,020.1627	2,020.1627	0.0754	0.0000	2,022.0483
<b>Total</b>	<b>0.8497</b>	<b>3.8455</b>	<b>9.3750</b>	<b>0.0225</b>	<b>1.1171</b>	<b>0.1174</b>	<b>1.2345</b>	<b>0.1691</b>	<b>0.1174</b>	<b>0.2865</b>	<b>0.0000</b>	<b>2,020.1627</b>	<b>2,020.1627</b>	<b>0.0754</b>	<b>0.0000</b>	<b>2,022.0483</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0207	0.0123	0.1946	7.7000e-004	0.1174	3.6000e-004	0.1177	0.0312	3.3000e-004	0.0315	0.0000	70.9701	70.9701	9.5000e-004	1.4800e-003	71.4353
<b>Total</b>	<b>0.0207</b>	<b>0.0123</b>	<b>0.1946</b>	<b>7.7000e-004</b>	<b>0.1174</b>	<b>3.6000e-004</b>	<b>0.1177</b>	<b>0.0312</b>	<b>3.3000e-004</b>	<b>0.0315</b>	<b>0.0000</b>	<b>70.9701</b>	<b>70.9701</b>	<b>9.5000e-004</b>	<b>1.4800e-003</b>	<b>71.4353</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Western Breakwater - 2032**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.4919	0.0000	2.4919	0.3773	0.0000	0.3773	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.9453	4.1730	9.2526	0.0225		0.1277	0.1277		0.1277	0.1277	0.0000	2,027.905 2	2,027.905 2	0.0757	0.0000	2,029.798 0
<b>Total</b>	<b>0.9453</b>	<b>4.1730</b>	<b>9.2526</b>	<b>0.0225</b>	<b>2.4919</b>	<b>0.1277</b>	<b>2.6196</b>	<b>0.3773</b>	<b>0.1277</b>	<b>0.5050</b>	<b>0.0000</b>	<b>2,027.905 2</b>	<b>2,027.905 2</b>	<b>0.0757</b>	<b>0.0000</b>	<b>2,029.798 0</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0196	0.0115	0.1882	7.6000e-004	0.1178	3.3000e-004	0.1182	0.0313	3.1000e-004	0.0316	0.0000	69.8815	69.8815	8.9000e-004	1.4400e-003	70.3328
<b>Total</b>	<b>0.0196</b>	<b>0.0115</b>	<b>0.1882</b>	<b>7.6000e-004</b>	<b>0.1178</b>	<b>3.3000e-004</b>	<b>0.1182</b>	<b>0.0313</b>	<b>3.1000e-004</b>	<b>0.0316</b>	<b>0.0000</b>	<b>69.8815</b>	<b>69.8815</b>	<b>8.9000e-004</b>	<b>1.4400e-003</b>	<b>70.3328</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Western Breakwater - 2032**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.1214	0.0000	1.1214	0.1698	0.0000	0.1698	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.8529	3.8602	9.4110	0.0225		0.1179	0.1179		0.1179	0.1179	0.0000	2,027.9027	2,027.9027	0.0757	0.0000	2,029.7956
<b>Total</b>	<b>0.8529</b>	<b>3.8602</b>	<b>9.4110</b>	<b>0.0225</b>	<b>1.1214</b>	<b>0.1179</b>	<b>1.2392</b>	<b>0.1698</b>	<b>0.1179</b>	<b>0.2876</b>	<b>0.0000</b>	<b>2,027.9027</b>	<b>2,027.9027</b>	<b>0.0757</b>	<b>0.0000</b>	<b>2,029.7956</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0196	0.0115	0.1882	7.6000e-004	0.1178	3.3000e-004	0.1182	0.0313	3.1000e-004	0.0316	0.0000	69.8815	69.8815	8.9000e-004	1.4400e-003	70.3328
<b>Total</b>	<b>0.0196</b>	<b>0.0115</b>	<b>0.1882</b>	<b>7.6000e-004</b>	<b>0.1178</b>	<b>3.3000e-004</b>	<b>0.1182</b>	<b>0.0313</b>	<b>3.1000e-004</b>	<b>0.0316</b>	<b>0.0000</b>	<b>69.8815</b>	<b>69.8815</b>	<b>8.9000e-004</b>	<b>1.4400e-003</b>	<b>70.3328</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Heavy Industry	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Heavy Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Heavy Industry	0.518500	0.056626	0.189643	0.140762	0.030399	0.007841	0.010730	0.006132	0.000824	0.000442	0.030440	0.001544	0.006118





Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Heavy Industry	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Heavy Industry	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	ROG	NOx	CO	SO2	Fugitive 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	0.0277	2.7200e-003	0.2997	2.0000e-005		1.0700e-003	1.0700e-003		1.0700e-003	1.0700e-003	0.0000	0.5838	0.5838	1.5200e-003	0.0000	0.6219
Unmitigated	0.0277	2.7200e-003	0.2997	2.0000e-005		1.0700e-003	1.0700e-003		1.0700e-003	1.0700e-003	0.0000	0.5838	0.5838	1.5200e-003	0.0000	0.6219

**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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0277	2.7200e-003	0.2997	2.0000e-005		1.0700e-003	1.0700e-003		1.0700e-003	1.0700e-003	0.0000	0.5838	0.5838	1.5200e-003	0.0000	0.6219
<b>Total</b>	<b>0.0277</b>	<b>2.7200e-003</b>	<b>0.2997</b>	<b>2.0000e-005</b>		<b>1.0700e-003</b>	<b>1.0700e-003</b>		<b>1.0700e-003</b>	<b>1.0700e-003</b>	<b>0.0000</b>	<b>0.5838</b>	<b>0.5838</b>	<b>1.5200e-003</b>	<b>0.0000</b>	<b>0.6219</b>



Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0277	2.7200e-003	0.2997	2.0000e-005		1.0700e-003	1.0700e-003		1.0700e-003	1.0700e-003	0.0000	0.5838	0.5838	1.5200e-003	0.0000	0.6219
<b>Total</b>	<b>0.0277</b>	<b>2.7200e-003</b>	<b>0.2997</b>	<b>2.0000e-005</b>		<b>1.0700e-003</b>	<b>1.0700e-003</b>		<b>1.0700e-003</b>	<b>1.0700e-003</b>	<b>0.0000</b>	<b>0.5838</b>	<b>0.5838</b>	<b>1.5200e-003</b>	<b>0.0000</b>	<b>0.6219</b>

**7.0 Water Detail**

---

**7.1 Mitigation Measures Water**

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Heavy Industry	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**7.2 Water by Land Use**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Heavy Industry	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**8.0 Waste Detail**

---

**8.1 Mitigation Measures Waste**

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Heavy Industry	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Heavy Industry	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	-----------	-------------	-------------	-----------

Diablo Canyon Decommissioning Alternative 8 - South Central Coast Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**10.0 Stationary Equipment**

---

**Fire Pumps and Emergency Generators**

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

**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

**User Defined Equipment**

Equipment Type	Number
----------------	--------

**11.0 Vegetation**

---