

Appendix D

California Emissions Estimator Model (CalEEMod) Results

Port Hueneme General Plan - Ventura County APCD Air District, Annual

Port Hueneme General Plan
Ventura County APCD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments High Rise	630.00	Dwelling Unit	8.92	630,000.00	1785
Strip Mall	499.17	1000sqft	22.92	499,172.00	0
Unrefrigerated Warehouse-Rail	62.73	1000sqft	1.92	62,727.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2045

Utility Company Southern California Edison

CO2 Intensity (lb/MW/hr)	0	CH4 Intensity (lb/MW/hr)	0	N2O Intensity (lb/MW/hr)	0
---------------------------------	---	---------------------------------	---	---------------------------------	---

1.3 User Entered Comments & Non-Default Data

Port Hueneme General Plan - Ventura County APCD Air District, Annual

Project Characteristics - Utility factors per 2045 RPS

Land Use - 630 new households by 2045, and 1,785 new population. Acreage of new mixed use (retail) and port (industrial) per CAP calculations.

Construction Phase - Only modeling operation

Off-road Equipment - Only modeling operation

Trips and VMT - Only modeling operation

Vehicle Trips - Residential trip rate per ATE Study.

Energy Use - Commercial energy use reduced by 30% per 2019 Title 24 standards.

Water Mitigation - Indoor water use reductions per 2019 CALGreen standards (Part 11, Title 24)

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	500.00	0.00
tblConstructionPhase	PhaseEndDate	12/10/2021	10/31/2021
tblEnergyUse	T24E	2.93	2.05
tblEnergyUse	T24NG	0.95	0.67
tblLandUse	LotAcreage	10.16	8.92
tblLandUse	LotAcreage	11.46	22.92
tblLandUse	LotAcreage	1.44	1.92
tblLandUse	Population	1,928.00	1,785.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	702.44	0
tblProjectCharacteristics	N2OIntensityFactor	0.006	0
tblTripsAndVMT	VendorTripNumber	159.00	0.00
tblTripsAndVMT	WorkerTripNumber	640.00	0.00
tblVehicleTrips	WD_TR	4.20	5.44

2.0 Emissions Summary

Port Hueneeme General Plan - Ventura County APCD Air District, Annual

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

2.2 Overall Operational
Unmitigated Operational

Category	tons/yr										MT/yr					
	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Area	5.7661	0.0538	4.6624	2.5000e-004		0.0260	0.0260		0.0260	0.0260	0.0000	7.6512	7.6512	7.3000e-003	0.0000	7.8337
Energy	0.0448	0.3858	0.1866	2.4400e-003		0.0309	0.0309		0.0309	0.0309	0.0000	443.0208	443.0208	8.4900e-003	8.1200e-003	445.6535
Mobile	1.8228	10.8350	21.8980	0.1185	15.2819	0.0475	15.3294	4.0864	0.0441	4.1305	0.0000	11,030.0614	11,030.0614	0.3652	0.0000	11,039.1901
Waste						0.0000	0.0000		0.0000	0.0000	177.1908	0.0000	177.1908	10.4717	0.0000	438.9827
Water						0.0000	0.0000		0.0000	0.0000	29.3549	0.0000	29.3549	3.0150	0.0712	125.9457
Total	7.6337	11.2746	26.7470	0.1212	15.2819	0.1044	15.3863	4.0864	0.1010	4.1874	206.5457	11,480.7334	11,687.2791	13.8677	0.0793	12,057.6057

Port Hueneme General Plan - Ventura County APCD Air District, Annual

2.2 Overall Operational

Mitigated Operational

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Area	5.7661	0.0538	4.6624	2.5000e-004		0.0260	0.0260		0.0260	0.0260	0.0000	7.6512	7.6512	7.3000e-003	0.0000	7.8337
Energy	0.0448	0.3858	0.1866	2.4400e-003		0.0309	0.0309		0.0309	0.0309	0.0000	443.0208	443.0208	8.4900e-003	8.1200e-003	445.6535
Mobile	1.8228	10.8350	21.8980	0.1185	15.2819	0.0475	15.3294	4.0864	0.0441	4.1305	0.0000	11,030.0614	11,030.0614	0.3652	0.0000	11,039.1901
Waste						0.0000	0.0000		0.0000	0.0000	177.1908	177.1908	177.1908	10.4717	0.0000	438.9827
Water						0.0000	0.0000		0.0000	0.0000	23.4839	23.4839	23.4839	2.4120	0.0570	100.7566
Total	7.6337	11.2746	26.7470	0.1212	15.2819	0.1044	15.3863	4.0864	0.1010	4.1874	200.6747	11,480.7334	11,681.4082	13.2646	0.0651	12,032.4165

Percent Reduction	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.84	0.00	0.05	4.35	17.95	0.21

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	NoConstruction	Building Construction	11/1/2021	10/31/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Port Hueneme General Plan - Ventura County APCD Air District, Annual

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
NoConstruction	Cranes	1	7.00	231	0.29
NoConstruction	Forklifts	3	8.00	89	0.20
NoConstruction	Concrete/Industrial Saws	0	8.00	81	0.73
NoConstruction	Generator Sets	1	8.00	84	0.74
NoConstruction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
NoConstruction	Welders	1	8.00	46	0.45

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
NoConstruction	9	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Port Hueneme General Plan - Ventura County APCD Air District, Annual

3.2 NoConstruction - 2021
Mitigated Construction On-Site

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

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

Port Huenueme General Plan - Ventura County APCD Air District, Annual

4.1 Mitigation Measures Mobile

Category	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated	1.8228	10.8350	2.1.8980	0.1185	15.2819	0.0475	15.3294	4.0864	0.0441	4.1305	0.0000	11,030,061 ⁴	11,030,061 ⁴	0.3652	0.0000	11,039,190 ¹
Unmitigated	1.8228	10.8350	2.1.8980	0.1185	15.2819	0.0475	15.3294	4.0864	0.0441	4.1305	0.0000	11,030,061 ⁴	11,030,061 ⁴	0.3652	0.0000	11,039,190 ¹
tons/yr																
MT/yr																

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
Apartments High Rise	3,427.20	3,137.40	2,299.50	8,910,080	8,910,080
Strip Mall	22,123.30	20,985.19	10,198.08	31,196,623	31,196,623
Unrefrigerated Warehouse-Rail	105.38	105.38	105.38	307,662	307,662
Total	25,655.88	24,227.97	12,602.97	40,414,365	40,414,365

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		
Apartments High Rise	10.80	7.30	7.50	32.90	18.00	49.10	86	11	3		
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15		
Unrefrigerated Warehouse-Rail	9.50	7.30	7.30	59.00	0.00	41.00	92	5	3		

Port Huenueme General Plan - Ventura County APCD Air District, Annual

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments High Rise	0.616078	0.037861	0.187107	0.094236	0.011211	0.005405	0.021632	0.019316	0.001249	0.001167	0.003592	0.000450	0.000696
Strip Mall	0.616078	0.037861	0.187107	0.094236	0.011211	0.005405	0.021632	0.019316	0.001249	0.001167	0.003592	0.000450	0.000696
Unrefrigerated Warehouse-Rail	0.616078	0.037861	0.187107	0.094236	0.011211	0.005405	0.021632	0.019316	0.001249	0.001167	0.003592	0.000450	0.000696

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
tons/yr											MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0448	0.3858	0.1866	2.4400e-003	0.0309	0.0309	0.0309	0.0309	0.0309	0.0309	0.0000	443.0208	443.0208	8.4900e-003	8.1200e-003	445.6535
NaturalGas Unmitigated	0.0448	0.3858	0.1866	2.4400e-003	0.0309	0.0309	0.0309	0.0309	0.0309	0.0309	0.0000	443.0208	443.0208	8.4900e-003	8.1200e-003	445.6535

Port Hueneme General Plan - Ventura County APCD Air District, Annual

5.2 Energy by Land Use - NaturalGas

Unmitigated

Land Use	NaturalGas Use KBTU/yr	tons/yr										MT/yr				CO2e			
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4		N2O		
Apartments High Rise	7.1993e+006	0.0388	0.3317	0.1412	2.1200e-003		0.0268	0.0268			0.0268			0.0268	0.0000	384.1821	7.3600e-003	7.0400e-003	386.4651
Strip Mall	856080	4.6200e-003	0.0420	0.0353	2.5000e-004		3.1900e-003	3.1900e-003			3.1900e-003			3.1900e-003	0.0000	45.6837	8.8000e-004	8.4000e-004	45.9552
Unrefrigerated Warehouse-Rail	246517	1.3300e-003	0.0121	0.0102	7.0000e-005		9.2000e-004	9.2000e-004			9.2000e-004			9.2000e-004	0.0000	13.1551	2.5000e-004	2.4000e-004	13.2333
Total		0.0448	0.3858	0.1866	2.4400e-003		0.0309	0.0309			0.0309			0.0309	0.0000	443.0208	8.4900e-003	8.1200e-003	445.6535

Mitigated

Land Use	NaturalGas Use KBTU/yr	tons/yr										MT/yr				CO2e			
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4		N2O		
Apartments High Rise	7.1993e+006	0.0388	0.3317	0.1412	2.1200e-003		0.0268	0.0268			0.0268			0.0268	0.0000	384.1821	7.3600e-003	7.0400e-003	386.4651
Strip Mall	856080	4.6200e-003	0.0420	0.0353	2.5000e-004		3.1900e-003	3.1900e-003			3.1900e-003			3.1900e-003	0.0000	45.6837	8.8000e-004	8.4000e-004	45.9552
Unrefrigerated Warehouse-Rail	246517	1.3300e-003	0.0121	0.0102	7.0000e-005		9.2000e-004	9.2000e-004			9.2000e-004			9.2000e-004	0.0000	13.1551	2.5000e-004	2.4000e-004	13.2333
Total		0.0448	0.3858	0.1866	2.4400e-003		0.0309	0.0309			0.0309			0.0309	0.0000	443.0208	8.4900e-003	8.1200e-003	445.6535

Port Hueneeme General Plan - Ventura County APCD Air District, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

Land Use	Electricity Use kWh/yr	Total CO2	CH4	N2O	CO2e
Apartment High Rise	2.50444e+006	0.0000	0.0000	0.0000	0.0000
Strip Mall	5.27176e+006	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-Rail	260944	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

Land Use	Electricity Use kWh/yr	Total CO2	CH4	N2O	CO2e
Apartment High Rise	2.50444e+006	0.0000	0.0000	0.0000	0.0000
Strip Mall	5.27176e+006	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-Rail	260944	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Port Hueneme General Plan - Ventura County APCD Air District, Annual

6.0 Area Detail

6.1 Mitigation Measures Area

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	MT/yr															
Mitigated	5.7661	0.0538	4.6624	2.5000e-004		0.0260	0.0260		0.0260	0.0260	0.0000	7.6512	7.6512	7.3000e-003	0.0000	7.8337
Unmitigated	5.7661	0.0538	4.6624	2.5000e-004		0.0260	0.0260		0.0260	0.0260	0.0000	7.6512	7.6512	7.3000e-003	0.0000	7.8337

Port Hueneme General Plan - Ventura County APCD Air District, Annual

6.2 Area by SubCategory

Unmitigated

SubCategory	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Architectural Coating	0.9714					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.6550					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1398	0.0538	4.6624	2.5000e-004		0.0260	0.0260		0.0260	0.0260	0.0000	7.6512	7.6512	7.3000e-003	0.0000	7.8337
Total	5.7661	0.0538	4.6624	2.5000e-004		0.0260	0.0260		0.0260	0.0260	0.0000	7.6512	7.6512	7.3000e-003	0.0000	7.8337

Port Hueneme General Plan - Ventura County APCD Air District, Annual

6.2 Area by SubCategory

Mitigated

SubCategory	tons/yr										MT/yr						
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Architectural Coating	0.9714					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.6550					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1398	0.0538	4.6624	2.5000e-004		0.0260	0.0260		0.0260	0.0260	0.0000	7.6512	7.6512	7.3000e-003	0.0000	0.0000	7.8337
Total	5.7661	0.0538	4.6624	2.5000e-004		0.0260	0.0260		0.0260	0.0260	0.0000	7.6512	7.6512	7.3000e-003	0.0000	0.0000	7.8337

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

Port Hueneme General Plan - Ventura County APCD Air District, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	23.4839	2.4120	0.0570	100.7566
Unmitigated	29.3549	3.0150	0.0712	125.9457

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments High Rise	41.047 / 25.8775	13.0223	1.3375	0.0316	55.8716
Strip Mall	36.9748 / 22.662	11.7304	1.2048	0.0285	50.3286
Unrefrigerated Warehouse-Rail	14.5063 / 0	4.6022	0.4727	0.0112	19.7454
Total		29.3549	3.0150	0.0712	125.9457

Port Hueneme General Plan - Ventura County APCD Air District, Annual

7.2 Water by Land Use

Mitigated

Land Use	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
	Mgal	MT/yr			
Apartments High Rise	32.8376 / 25.8775	10.4179	1.0700	0.0253	44.6973
Strip Mall	29.5798 / 22.662	9.3843	0.9639	0.0228	40.2629
Unrefrigerated Warehouse-Rail	11.6051 / 0	3.6818	0.3782	8.9300e-003	15.7963
Total		23.4839	2.4120	0.0570	100.7566

8.0 Waste Detail

8.1 Mitigation Measures Waste

Port Hueneme General Plan - Ventura County APCD Air District, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	177.1908	10.4717	0.0000	438.9827
Unmitigated	177.1908	10.4717	0.0000	438.9827

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments High Rise	289.8	58.8268	3.4766	0.0000	145.7409
Strip Mall	524.13	106.3937	6.2877	0.0000	263.5858
Unrefrigerated Warehouse-Rail	58.97	11.9704	0.7074	0.0000	29.6561
Total		177.1908	10.4717	0.0000	438.9827

Port Hueneme General Plan - Ventura County APCD Air District, Annual

8.2 Waste by Land Use

Mitigated

Land Use	Waste Disposed tons	Total CO2	CH4	N2O	CO2e
	MT/yr				
Apartments High Rise	289.8	58.8268	3.4766	0.0000	145.7409
Strip Mall	524.13	106.3937	6.2877	0.0000	263.5858
Unrefrigerated Warehouse-Rail	58.97	11.9704	0.7074	0.0000	29.6561
Total		177.1908	10.4717	0.0000	438.9827

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

Port Hueneme General Plan - Ventura County APCD Air District, Summer

**Port Hueneme General Plan
Ventura County APCD Air District, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments High Rise	630.00	Dwelling Unit	8.92	630,000.00	1785
Strip Mall	499.17	1000sqft	22.92	499,172.00	0
Unrefrigerated Warehouse-Rail	62.73	1000sqft	1.92	62,727.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2045

Utility Company Southern California Edison

CO2 Intensity (lb/MW/hr)	0	CH4 Intensity (lb/MW/hr)	0	N2O Intensity (lb/MW/hr)	0
---------------------------------	---	---------------------------------	---	---------------------------------	---

1.3 User Entered Comments & Non-Default Data

Port Hueneme General Plan - Ventura County APCD Air District, Summer

Project Characteristics - Utility factors per 2045 RPS

Land Use - 630 new households by 2045, and 1,785 new population. Acreage of new mixed use (retail) and port (industrial) per CAP calculations.

Construction Phase - Only modeling operation

Off-road Equipment - Only modeling operation

Trips and VMT - Only modeling operation

Vehicle Trips - Residential trip rate per ATE Study.

Energy Use - Commercial energy use reduced by 30% per 2019 Title 24 standards.

Water Mitigation - Indoor water use reductions per 2019 CALGreen standards (Part 11, Title 24)

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	500.00	0.00
tblConstructionPhase	PhaseEndDate	12/10/2021	10/31/2021
tblEnergyUse	T24E	2.93	2.05
tblEnergyUse	T24NG	0.95	0.67
tblLandUse	LotAcreage	10.16	8.92
tblLandUse	LotAcreage	11.46	22.92
tblLandUse	LotAcreage	1.44	1.92
tblLandUse	Population	1,928.00	1,785.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	702.44	0
tblProjectCharacteristics	N2OIntensityFactor	0.006	0
tblTripsAndVMT	VendorTripNumber	159.00	0.00
tblTripsAndVMT	WorkerTripNumber	640.00	0.00
tblVehicleTrips	WD_TR	4.20	5.44

2.0 Emissions Summary

Port Hueneme General Plan - Ventura County APCD Air District, Summer

2.2 Overall Operational

Unmitigated Operational

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Area	32.3823	0.5978	51.8045	2.7500e-003		0.2884	0.2884	0.2884	0.2884	0.2884	0.0000	93.7109	93.7109	0.0894	0.0000	95.9459
Energy	0.2453	2.1139	1.0223	0.0134		0.1695	0.1695	0.1695	0.1695	0.1695		2.675.8733	2.675.8733	0.0513	0.0491	2,691.7747
Mobile	11.7582	63.9463	132.0937	0.7311	92.7911	0.2834	93.0744	24.7753	0.2631	25.0384		74,961.1525	74,961.1525	2.3825		75,020.7147
Total	44.3858	66.6580	184.9205	0.7472	92.7911	0.7413	93.5323	24.7753	0.7210	25.4963	0.0000	77,730.7367	77,730.7367	2.5232	0.0491	77,808.4352

Mitigated Operational

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Area	32.3823	0.5978	51.8045	2.7500e-003		0.2884	0.2884		0.2884	0.2884	0.0000	93.7109	93.7109	0.0894	0.0000	95.9459
Energy	0.2453	2.1139	1.0223	0.0134		0.1695	0.1695		0.1695	0.1695		2,675.8733	2,675.8733	0.0513	0.0491	2,691.7747
Mobile	11.7582	63.9463	132.0937	0.7311	92.7911	0.2834	93.0744	24.7753	0.2631	25.0384		74,961.1525	74,961.1525	2.3825		75,020.7147
Total	44.3858	66.6580	184.9205	0.7472	92.7911	0.7413	93.5323	24.7753	0.7210	25.4963	0.0000	77,730.7367	77,730.7367	2.5232	0.0491	77,808.4352

Port Hueneme General Plan - Ventura County APCD Air District, Summer

ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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	NoConstruction	Building Construction	11/1/2021	10/31/2021	5	0	

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
NoConstruction	Cranes	1	7.00	231	0.29
NoConstruction	Forklifts	3	8.00	89	0.20
NoConstruction	Concrete/Industrial Saws	0	8.00	81	0.73
NoConstruction	Generator Sets	1	8.00	84	0.74
NoConstruction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
NoConstruction	Welders	1	8.00	46	0.45

Trips and VMT

Port Hueneme General Plan - Ventura County APCD Air District, Summer

3.2 NoConstruction - 2021
Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Port Hueneme General Plan - Ventura County APCD Air District, Summer

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated	11.7582	63.9463	132.0937	0.7311	92.7911	0.2834	93.0744	24.7753	0.2631	25.0384	74,961.1525	74,961.1525	74,961.1525	2.3825		75,020.7147
Unmitigated	11.7582	63.9463	132.0937	0.7311	92.7911	0.2834	93.0744	24.7753	0.2631	25.0384	74,961.1525	74,961.1525	74,961.1525	2.3825		75,020.7147

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated		Mitigated	
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT		
Apartment High Rise	3,427.20	3,137.40	2299.50	8,910,080	8,910,080		
Strip Mall	22,123.30	20,985.19	10,198.08	31,196,623	31,196,623		
Unrefrigerated Warehouse-Rail	105.38	105.38	105.38	307,662	307,662		
Total	25,655.88	24,227.97	12,602.97	40,414,365	40,414,365		

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
Apartment High Rise	10.80	7.30	7.50	32.90	18.00	49.10	86	11	3
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15
Unrefrigerated Warehouse-Rail	9.50	7.30	7.30	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Port Hueneme General Plan - Ventura County APCD Air District, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments High Rise	0.616078	0.037861	0.187107	0.094236	0.011211	0.005405	0.021632	0.019316	0.001249	0.001167	0.003592	0.000450	0.000696
Strip Mall	0.616078	0.037861	0.187107	0.094236	0.011211	0.005405	0.021632	0.019316	0.001249	0.001167	0.003592	0.000450	0.000696
Unrefrigerated Warehouse-Rail	0.616078	0.037861	0.187107	0.094236	0.011211	0.005405	0.021632	0.019316	0.001249	0.001167	0.003592	0.000450	0.000696

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	lb/day										lb/day			CO2e		
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2		CH4	N2O
NaturalGas Mitigated	0.2453	2.1139	1.0223	0.0134		0.1695	0.1695		0.1695	0.1695		2.675.8733	2.675.8733	0.0513	0.0491	2.691.7747
NaturalGas Unmitigated	0.2453	2.1139	1.0223	0.0134		0.1695	0.1695		0.1695	0.1695		2.675.8733	2.675.8733	0.0513	0.0491	2.691.7747

Port Hueneme General Plan - Ventura County APCD Air District, Summer

5.2 Energy by Land Use - NaturalGas

Unmitigated

Land Use	NaturalGas Use KBTU/yr	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																	
Apartments High Rise	19724.1	0.2127	1.8177	0.7735	0.0116		0.1470	0.1470		0.1470	0.1470		2,320.4834	2,320.4834	0.0445	0.0425	2,334.2729
Strip Mall	2345.42	0.0253	0.2299	0.1932	1.3800e-003		0.0175	0.0175		0.0175	0.0175		275.9323	275.9323	5.2900e-003	5.0600e-003	277.5720
Unrefrigerated Warehouse-Rail	675.389	7.2800e-003	0.0662	0.0556	4.0000e-004		5.0300e-003	5.0300e-003		5.0300e-003	5.0300e-003		79.4576	79.4576	1.5200e-003	1.4600e-003	79.9298
Total		0.2453	2.1139	1.0223	0.0134		0.1695	0.1695		0.1695	0.1695		2,675.8733	2,675.8733	0.0513	0.0491	2,691.7747

Mitigated

Land Use	NaturalGas Use KBTU/yr	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																	
Apartments High Rise	19,724.1	0.2127	1.8177	0.7735	0.0116		0.1470	0.1470		0.1470	0.1470		2,320.4834	2,320.4834	0.0445	0.0425	2,334.2729
Strip Mall	2,345.42	0.0253	0.2299	0.1932	1.3800e-003		0.0175	0.0175		0.0175	0.0175		275.9323	275.9323	5.2900e-003	5.0600e-003	277.5720
Unrefrigerated Warehouse-Rail	0.675389	7.2800e-003	0.0662	0.0556	4.0000e-004		5.0300e-003	5.0300e-003		5.0300e-003	5.0300e-003		79.4576	79.4576	1.5200e-003	1.4600e-003	79.9298
Total		0.2453	2.1139	1.0223	0.0134		0.1695	0.1695		0.1695	0.1695		2,675.8733	2,675.8733	0.0513	0.0491	2,691.7747

Port Hueneme General Plan - Ventura County APCD Air District, Summer

6.0 Area Detail

6.1 Mitigation Measures Area

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Mitigated	32.3823	0.5978	51.8045	2.7500e-003		0.2884	0.2884		0.2884	0.2884	0.0000	93.7109	93.7109	0.0894	0.0000	95.9459
Unmitigated	32.3823	0.5978	51.8045	2.7500e-003		0.2884	0.2884		0.2884	0.2884	0.0000	93.7109	93.7109	0.0894	0.0000	95.9459

Port Hueneme General Plan - Ventura County APCD Air District, Summer

6.2 Area by SubCategory

Unmitigated

SubCategory	lb/day										lb/day						
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Architectural Coating	5.3227					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Consumer Products	25.5066					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.5529	0.5978	51.8045	2.7500e-003		0.2884	0.2884		0.2884	0.2884		93.7109	93.7109	0.0894			95.9459
Total	32.3823	0.5978	51.8045	2.7500e-003		0.2884	0.2884		0.2884	0.2884	0.0000	93.7109	93.7109	0.0894	0.0000		95.9459

Port Hueneme General Plan - Ventura County APCD Air District, Summer

6.2 Area by SubCategory

Mitigated

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	5.3227					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	25.5066					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.5529	0.5978	51.8045	2.7500e-003		0.2884	0.2884		0.2884	0.2884		93.7109	93.7109	0.0894		95.9459
Total	32.3823	0.5978	51.8045	2.7500e-003		0.2884	0.2884		0.2884	0.2884	0.0000	93.7109	93.7109	0.0894	0.0000	95.9459

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

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
----------------	--------	-----------	-----------	-------------	-------------	-----------

Port Hueneme General Plan - Ventura County APCD Air District, Summer

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

Port Hueneme General Plan - Ventura County APCD Air District, Winter

Port Hueneme General Plan
Ventura County APCD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments High Rise	630.00	Dwelling Unit	8.92	630,000.00	1785
Strip Mall	499.17	1000sqft	22.92	499,172.00	0
Unrefrigerated Warehouse-Rail	62.73	1000sqft	1.92	62,727.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2045

Utility Company Southern California Edison

CO2 Intensity (lb/MW/hr)	0	CH4 Intensity (lb/MW/hr)	0	N2O Intensity (lb/MW/hr)	0
---------------------------------	---	---------------------------------	---	---------------------------------	---

1.3 User Entered Comments & Non-Default Data

Port Hueneme General Plan - Ventura County APCD Air District, Winter

Project Characteristics - Utility factors per 2045 RPS

Land Use - 630 new households by 2045, and 1,785 new population. Acreage of new mixed use (retail) and port (industrial) per CAP calculations.

Construction Phase - Only modeling operation

Off-road Equipment - Only modeling operation

Trips and VMT - Only modeling operation

Vehicle Trips - Residential trip rate per ATE Study.

Energy Use - Commercial energy use reduced by 30% per 2019 Title 24 standards.

Water Mitigation - Indoor water use reductions per 2019 CALGreen standards (Part 11, Title 24)

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	500.00	0.00
tblConstructionPhase	PhaseEndDate	12/10/2021	10/31/2021
tblEnergyUse	T24E	2.93	2.05
tblEnergyUse	T24NG	0.95	0.67
tblLandUse	LotAcreage	10.16	8.92
tblLandUse	LotAcreage	11.46	22.92
tblLandUse	LotAcreage	1.44	1.92
tblLandUse	Population	1,928.00	1,785.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	702.44	0
tblProjectCharacteristics	N2OIntensityFactor	0.006	0
tblTripsAndVMT	VendorTripNumber	159.00	0.00
tblTripsAndVMT	WorkerTripNumber	640.00	0.00
tblVehicleTrips	WD_TR	4.20	5.44

2.0 Emissions Summary

Port Hueneme General Plan - Ventura County APCD Air District, Winter

2.2 Overall Operational

Unmitigated Operational

Category	lb/day										lb/day					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Area	32.3823	0.5978	51.8045	2.7500e-003		0.2884	0.2884	0.2884	0.2884	0.2884	0.0000	93.7109	93.7109	0.0894	0.0000	95.9459
Energy	0.2453	2.1139	1.0223	0.0134		0.1695	0.1695	0.1695	0.1695	0.1695		2.675.8733	2.675.8733	0.0513	0.0491	2,691.7747
Mobile	10.9745	64.4406	133.6359	0.7002	92.7911	0.2840	93.0751	24.7753	0.2637	25.0390		71,820.508 ₈	71,820.508 ₈	2.4416		71,881.548 ₁
Total	43.6020	67.1523	186.4626	0.7164	92.7911	0.7419	93.5330	24.7753	0.7216	25.4969	0.0000	74,590.093₀	74,590.093₀	2.5823	0.0491	74,669.268₆

Mitigated Operational

Category	lb/day										lb/day					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Area	32.3823	0.5978	51.8045	2.7500e-003		0.2884	0.2884	0.2884	0.2884	0.2884	0.0000	93.7109	93.7109	0.0894	0.0000	95.9459
Energy	0.2453	2.1139	1.0223	0.0134		0.1695	0.1695	0.1695	0.1695	0.1695		2,675.8733	2,675.8733	0.0513	0.0491	2,691.7747
Mobile	10.9745	64.4406	133.6359	0.7002	92.7911	0.2840	93.0751	24.7753	0.2637	25.0390		71,820.508 ₈	71,820.508 ₈	2.4416		71,881.548 ₁
Total	43.6020	67.1523	186.4626	0.7164	92.7911	0.7419	93.5330	24.7753	0.7216	25.4969	0.0000	74,590.093₀	74,590.093₀	2.5823	0.0491	74,669.268₆

Port Hueneeme General Plan - Ventura County APCD Air District, Winter

ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
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	NoConstruction	Building Construction	11/1/2021	10/31/2021	5	0	

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
NoConstruction	Cranes	1	7.00	231	0.29
NoConstruction	Forklifts	3	8.00	89	0.20
NoConstruction	Concrete/Industrial Saws	0	8.00	81	0.73
NoConstruction	Generator Sets	1	8.00	84	0.74
NoConstruction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
NoConstruction	Welders	1	8.00	46	0.45

Trips and VMT

Port Hueneme General Plan - Ventura County APCD Air District, Winter

3.2 NoConstruction - 2021

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Port Hueneme General Plan - Ventura County APCD Air District, Winter

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated	10.9745	64.4406	133.6359	0.7002	92.7911	0.2840	93.0751	24.7753	0.2637	25.0390	71,820.5088	71,820.5088	2.4416			71,881,548.1
Unmitigated	10.9745	64.4406	133.6359	0.7002	92.7911	0.2840	93.0751	24.7753	0.2637	25.0390	71,820.5088	71,820.5088	2.4416			71,881,548.1

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated		Mitigated	
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT		
Apartments High Rise	3,427.20	3,137.40	2299.50	8,910,080	8,910,080		
Strip Mall	22,123.30	20,985.19	10198.08	31,196,623	31,196,623		
Unrefrigerated Warehouse-Rail	105.38	105.38	105.38	307,662	307,662		
Total	25,655.88	24,227.97	12,602.97	40,414,365	40,414,365		

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
Apartments High Rise	10.80	7.30	7.50	32.90	18.00	49.10	86	11	3
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15
Unrefrigerated Warehouse-Rail	9.50	7.30	7.30	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Port Hueneme General Plan - Ventura County APCD Air District, Winter

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments High Rise	0.616078	0.037861	0.187107	0.094236	0.011211	0.005405	0.021632	0.019316	0.001249	0.001167	0.003592	0.000450	0.000696
Strip Mall	0.616078	0.037861	0.187107	0.094236	0.011211	0.005405	0.021632	0.019316	0.001249	0.001167	0.003592	0.000450	0.000696
Unrefrigerated Warehouse-Rail	0.616078	0.037861	0.187107	0.094236	0.011211	0.005405	0.021632	0.019316	0.001249	0.001167	0.003592	0.000450	0.000696

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	lb/day										lb/day			CO2e		
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2		CH4	N2O
NaturalGas Mitigated	0.2453	2.1139	1.0223	0.0134		0.1695	0.1695		0.1695	0.1695		2.675.8733	2.675.8733	0.0513	0.0491	2.691.7747
NaturalGas Unmitigated	0.2453	2.1139	1.0223	0.0134		0.1695	0.1695		0.1695	0.1695		2.675.8733	2.675.8733	0.0513	0.0491	2.691.7747

Port Hueneme General Plan - Ventura County APCD Air District, Winter

5.2 Energy by Land Use - NaturalGas

Unmitigated

Land Use	NaturalGas Use KBTU/yr	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																	
Apartments High Rise	19724.1	0.2127	1.8177	0.7735	0.0116		0.1470	0.1470		0.1470	0.1470		2,320.4834	2,320.4834	0.0445	0.0425	2,334.2729
Strip Mall	2345.42	0.0253	0.2299	0.1932	1.3800e-003		0.0175	0.0175		0.0175	0.0175		275.9323	275.9323	5.2900e-003	5.0600e-003	277.5720
Unrefrigerated Warehouse-Rail	675.389	7.2800e-003	0.0662	0.0556	4.0000e-004		5.0300e-003	5.0300e-003		5.0300e-003	5.0300e-003		79.4576	79.4576	1.5200e-003	1.4600e-003	79.9298
Total		0.2453	2.1139	1.0223	0.0134		0.1695	0.1695		0.1695	0.1695		2,675.8733	2,675.8733	0.0513	0.0491	2,691.7747

Mitigated

Land Use	NaturalGas Use KBTU/yr	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																	
Apartments High Rise	19,724.1	0.2127	1.8177	0.7735	0.0116		0.1470	0.1470		0.1470	0.1470		2,320.4834	2,320.4834	0.0445	0.0425	2,334.2729
Strip Mall	2,345.42	0.0253	0.2299	0.1932	1.3800e-003		0.0175	0.0175		0.0175	0.0175		275.9323	275.9323	5.2900e-003	5.0600e-003	277.5720
Unrefrigerated Warehouse-Rail	0.675389	7.2800e-003	0.0662	0.0556	4.0000e-004		5.0300e-003	5.0300e-003		5.0300e-003	5.0300e-003		79.4576	79.4576	1.5200e-003	1.4600e-003	79.9298
Total		0.2453	2.1139	1.0223	0.0134		0.1695	0.1695		0.1695	0.1695		2,675.8733	2,675.8733	0.0513	0.0491	2,691.7747

Port Hueneme General Plan - Ventura County APCD Air District, Winter

6.0 Area Detail

6.1 Mitigation Measures Area

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Mitigated	32.3823	0.5978	51.8045	2.7500e-003		0.2884	0.2884		0.2884	0.2884	0.0000	93.7109	93.7109	0.0894	0.0000	95.9459
Unmitigated	32.3823	0.5978	51.8045	2.7500e-003		0.2884	0.2884		0.2884	0.2884	0.0000	93.7109	93.7109	0.0894	0.0000	95.9459

Port Hueneme General Plan - Ventura County APCD Air District, Winter

6.2 Area by SubCategory

Unmitigated

SubCategory	lb/day										lb/day						
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Architectural Coating	5.3227					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Consumer Products	25.5066					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.5529	0.5978	51.8045	2.7500e-003		0.2884	0.2884		0.2884	0.2884		93.7109	93.7109	0.0894			95.9459
Total	32.3823	0.5978	51.8045	2.7500e-003		0.2884	0.2884		0.2884	0.2884	0.0000	93.7109	93.7109	0.0894	0.0000		95.9459

Port Hueneme General Plan - Ventura County APCD Air District, Winter

6.2 Area by SubCategory

Mitigated

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	5.3227					0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Consumer Products	25.5066					0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.5529	0.5978	51.8045	2.7500e-003		0.2884	0.2884	0.2884	0.2884	0.2884		93.7109	93.7109	0.0894		95.9459
Total	32.3823	0.5978	51.8045	2.7500e-003		0.2884	0.2884	0.2884	0.2884	0.2884	0.0000	93.7109	93.7109	0.0894	0.0000	95.9459

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

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
----------------	--------	-----------	-----------	-------------	-------------	-----------

Port Hueneme General Plan - Ventura County APCD Air District, Winter

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