

18618 Oxnard - Existing - Los Angeles-South Coast County, Annual

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

**18618 Oxnard - Existing
Los Angeles-South Coast County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2yr)	47.12	1000sqft	0.54	47,124.00	0
Parking Lot	41.92	1000sqft	0.96	41,919.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	12			Operational Year	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	691.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

- Project Characteristics - Existing scenario - no construction
- Land Use - Applicant info and zimas.lacity.org
- Construction Phase - Operations only analysis
- Off-road Equipment - Operations only analysis
- Vehicle Trips - Weekday trip rate per Gibson Transportation Consulting, Inc.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	1.00
tblConstructionPhase	PhaseEndDate	8/23/2021	7/27/2021
tblLandUse	LotAcreage	1.08	0.54
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

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

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1955	1.0000e-005	1.1400e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.2100e-003	2.2100e-003	1.0000e-005	0.0000	2.3600e-003
Energy	6.8100e-003	0.0620	0.0520	3.7000e-004		4.7100e-003	4.7100e-003		4.7100e-003	4.7100e-003	0.0000	215.3759	215.3759	8.3500e-003	2.0900e-003	216.2078
Mobile	0.2848	0.3825	2.9533	5.9400e-003	0.5725	6.0500e-003	0.5785	0.1527	5.6600e-003	0.1584	0.0000	548.7885	548.7885	0.0398	0.0256	557.3965
Waste						0.0000	0.0000		0.0000	0.0000	12.4352	0.0000	12.4352	0.7349	0.0000	30.8078
Water						0.0000	0.0000		0.0000	0.0000	0.7332	22.0517	22.7850	0.0764	1.9100e-003	25.2619
Total	0.4871	0.4445	3.0065	6.3100e-003	0.5725	0.0108	0.5832	0.1527	0.0104	0.1631	13.1685	786.2183	799.3868	0.8594	0.0296	829.6764

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1955	1.0000e-005	1.1400e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.2100e-003	2.2100e-003	1.0000e-005	0.0000	2.3600e-003
Energy	6.8100e-003	0.0620	0.0520	3.7000e-004		4.7100e-003	4.7100e-003		4.7100e-003	4.7100e-003	0.0000	215.3759	215.3759	8.3500e-003	2.0900e-003	216.2078
Mobile	0.2848	0.3825	2.9533	5.9400e-003	0.5725	6.0500e-003	0.5785	0.1527	5.6600e-003	0.1584	0.0000	548.7885	548.7885	0.0398	0.0256	557.3965
Waste						0.0000	0.0000		0.0000	0.0000	12.4352	0.0000	12.4352	0.7349	0.0000	30.8078
Water						0.0000	0.0000		0.0000	0.0000	0.7332	22.0517	22.7850	0.0764	1.9100e-003	25.2619
Total	0.4871	0.4445	3.0065	6.3100e-003	0.5725	0.0108	0.5832	0.1527	0.0104	0.1631	13.1685	786.2183	799.3868	0.8594	0.0296	829.6764

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	7/27/2021	7/27/2021	5	1	

Acres of Grading (Site Preparation Phase): 0

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Acres of Grading (Grading Phase): 0

Acres of Paving: 0.96

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
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	0	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
Demolition	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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3.2 Demolition - 2021

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

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

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4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2848	0.3825	2.9533	5.9400e-003	0.5725	6.0500e-003	0.5785	0.1527	5.6600e-003	0.1584	0.0000	548.7885	548.7885	0.0398	0.0256	557.3965
Unmitigated	0.2848	0.3825	2.9533	5.9400e-003	0.5725	6.0500e-003	0.5785	0.1527	5.6600e-003	0.1584	0.0000	548.7885	548.7885	0.0398	0.0256	557.3965

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2yr)	589.05	529.20	57.02	1,523,759	1,523,759
Parking Lot	0.00	0.00	0.00		
Total	589.05	529.20	57.02	1,523,759	1,523,759

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
Junior College (2yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior College (2yr)	0.548812	0.060892	0.186048	0.127862	0.022726	0.005730	0.010818	0.008022	0.000956	0.000624	0.023397	0.000686	0.003425

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Parking Lot	0.548812	0.060892	0.186048	0.127862	0.022726	0.005730	0.010818	0.008022	0.000956	0.000624	0.023397	0.000686	0.003425
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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	147.9312	147.9312	7.0500e-003	8.6000e-004	148.3624
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	147.9312	147.9312	7.0500e-003	8.6000e-004	148.3624
NaturalGas Mitigated	6.8100e-003	0.0620	0.0520	3.7000e-004		4.7100e-003	4.7100e-003		4.7100e-003	4.7100e-003	0.0000	67.4447	67.4447	1.2900e-003	1.2400e-003	67.8455
NaturalGas Unmitigated	6.8100e-003	0.0620	0.0520	3.7000e-004		4.7100e-003	4.7100e-003		4.7100e-003	4.7100e-003	0.0000	67.4447	67.4447	1.2900e-003	1.2400e-003	67.8455

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5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior College (2yr)	1.26387e+006	6.8100e-003	0.0620	0.0520	3.7000e-004		4.7100e-003	4.7100e-003		4.7100e-003	4.7100e-003	0.0000	67.4447	67.4447	1.2900e-003	1.2400e-003	67.8455
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		6.8100e-003	0.0620	0.0520	3.7000e-004		4.7100e-003	4.7100e-003		4.7100e-003	4.7100e-003	0.0000	67.4447	67.4447	1.2900e-003	1.2400e-003	67.8455

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior College (2yr)	1.26387e+006	6.8100e-003	0.0620	0.0520	3.7000e-004		4.7100e-003	4.7100e-003		4.7100e-003	4.7100e-003	0.0000	67.4447	67.4447	1.2900e-003	1.2400e-003	67.8455
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		6.8100e-003	0.0620	0.0520	3.7000e-004		4.7100e-003	4.7100e-003		4.7100e-003	4.7100e-003	0.0000	67.4447	67.4447	1.2900e-003	1.2400e-003	67.8455

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2yr)	456632	143.3261	6.8400e-003	8.3000e-004	143.7439
Parking Lot	14671.7	4.6051	2.2000e-004	3.0000e-005	4.6185
Total		147.9312	7.0600e-003	8.6000e-004	148.3624

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2yr)	456632	143.3261	6.8400e-003	8.3000e-004	143.7439
Parking Lot	14671.7	4.6051	2.2000e-004	3.0000e-005	4.6185
Total		147.9312	7.0600e-003	8.6000e-004	148.3624

6.0 Area Detail

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6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1955	1.0000e-005	1.1400e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.2100e-003	2.2100e-003	1.0000e-005	0.0000	2.3600e-003
Unmitigated	0.1955	1.0000e-005	1.1400e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.2100e-003	2.2100e-003	1.0000e-005	0.0000	2.3600e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0224					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1730					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.1000e-004	1.0000e-005	1.1400e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.2100e-003	2.2100e-003	1.0000e-005	0.0000	2.3600e-003
Total	0.1955	1.0000e-005	1.1400e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.2100e-003	2.2100e-003	1.0000e-005	0.0000	2.3600e-003

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0224					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1730					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.1000e-004	1.0000e-005	1.1400e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.2100e-003	2.2100e-003	1.0000e-005	0.0000	2.3600e-003
Total	0.1955	1.0000e-005	1.1400e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.2100e-003	2.2100e-003	1.0000e-005	0.0000	2.3600e-003

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	22.7850	0.0764	1.9100e-003	25.2619
Unmitigated	22.7850	0.0764	1.9100e-003	25.2619

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2yr)	2.31119 / 3.61494	22.7850	0.0764	1.9100e-003	25.2619
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		22.7850	0.0764	1.9100e-003	25.2619

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2yr)	2.31119 / 3.61494	22.7850	0.0764	1.9100e-003	25.2619
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		22.7850	0.0764	1.9100e-003	25.2619

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	12.4352	0.7349	0.0000	30.8078
Unmitigated	12.4352	0.7349	0.0000	30.8078

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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2yr)	61.26	12.4352	0.7349	0.0000	30.8078
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		12.4352	0.7349	0.0000	30.8078

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2yr)	61.26	12.4352	0.7349	0.0000	30.8078
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		12.4352	0.7349	0.0000	30.8078

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

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Los Angeles-South Coast County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2yr)	47.12	1000sqft	0.54	47,124.00	0
Parking Lot	41.92	1000sqft	0.96	41,919.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	12			Operational Year	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	691.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

- Project Characteristics - Existing scenario - no construction
- Land Use - Applicant info and zimas.lacity.org
- Construction Phase - Operations only analysis
- Off-road Equipment - Operations only analysis
- Vehicle Trips - Weekday trip rate per Gibson Transportation Consulting, Inc.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	1.00
tblConstructionPhase	PhaseEndDate	8/23/2021	7/27/2021
tblLandUse	LotAcreage	1.08	0.54
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

18618 Oxnard - Existing - Los Angeles-South Coast County, Summer

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	1.0716	8.0000e-005	9.1300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0195	0.0195	5.0000e-005		0.0208
Energy	0.0373	0.3395	0.2852	2.0400e-003		0.0258	0.0258		0.0258	0.0258		407.3701	407.3701	7.8100e-003	7.4700e-003	409.7909
Mobile	1.8946	2.2462	19.2532	0.0394	3.7456	0.0389	3.7845	0.9977	0.0363	1.0341		4,011.8671	4,011.8671	0.2741	0.1715	4,069.8313
Total	3.0036	2.5857	19.5475	0.0414	3.7456	0.0647	3.8103	0.9977	0.0622	1.0599		4,419.2567	4,419.2567	0.2820	0.1790	4,479.6430

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.0716	8.0000e-005	9.1300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0195	0.0195	5.0000e-005		0.0208
Energy	0.0373	0.3395	0.2852	2.0400e-003		0.0258	0.0258		0.0258	0.0258		407.3701	407.3701	7.8100e-003	7.4700e-003	409.7909
Mobile	1.8946	2.2462	19.2532	0.0394	3.7456	0.0389	3.7845	0.9977	0.0363	1.0341		4,011.8671	4,011.8671	0.2741	0.1715	4,069.8313
Total	3.0036	2.5857	19.5475	0.0414	3.7456	0.0647	3.8103	0.9977	0.0622	1.0599		4,419.2567	4,419.2567	0.2820	0.1790	4,479.6430

18618 Oxnard - Existing - Los Angeles-South Coast County, Summer

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	Demolition	Demolition	7/27/2021	7/27/2021	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.96

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
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	0	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
Demolition	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

18618 Oxnard - Existing - Los Angeles-South Coast County, Summer

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

3.2 Demolition - 2021

Unmitigated Construction On-Site

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

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	0.0000	0.0000	0.0000	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

18618 Oxnard - Existing - Los Angeles-South Coast County, Summer

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

3.2 Demolition - 2021

Mitigated Construction On-Site

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

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	0.0000	0.0000	0.0000	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

4.0 Operational Detail - Mobile

18618 Oxnard - Existing - Los Angeles-South Coast County, Summer

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

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	1.8946	2.2462	19.2532	0.0394	3.7456	0.0389	3.7845	0.9977	0.0363	1.0341		4,011.867 1	4,011.867 1	0.2741	0.1715	4,069.831 3
Unmitigated	1.8946	2.2462	19.2532	0.0394	3.7456	0.0389	3.7845	0.9977	0.0363	1.0341		4,011.867 1	4,011.867 1	0.2741	0.1715	4,069.831 3

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2yr)	589.05	529.20	57.02	1,523,759	1,523,759
Parking Lot	0.00	0.00	0.00		
Total	589.05	529.20	57.02	1,523,759	1,523,759

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
Junior College (2yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior College (2yr)	0.548812	0.060892	0.186048	0.127862	0.022726	0.005730	0.010818	0.008022	0.000956	0.000624	0.023397	0.000686	0.003425

18618 Oxnard - Existing - Los Angeles-South Coast County, Summer

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

Parking Lot	0.548812	0.060892	0.186048	0.127862	0.022726	0.005730	0.010818	0.008022	0.000956	0.000624	0.023397	0.000686	0.003425
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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0373	0.3395	0.2852	2.0400e-003		0.0258	0.0258		0.0258	0.0258		407.3701	407.3701	7.8100e-003	7.4700e-003	409.7909
NaturalGas Unmitigated	0.0373	0.3395	0.2852	2.0400e-003		0.0258	0.0258		0.0258	0.0258		407.3701	407.3701	7.8100e-003	7.4700e-003	409.7909

18618 Oxnard - Existing - Los Angeles-South Coast County, Summer

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

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					
Junior College (2yr)	3462.65	0.0373	0.3395	0.2852	2.0400e-003		0.0258	0.0258		0.0258	0.0258		407.3701	407.3701	7.8100e-003	7.4700e-003	409.7909
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0373	0.3395	0.2852	2.0400e-003		0.0258	0.0258		0.0258	0.0258		407.3701	407.3701	7.8100e-003	7.4700e-003	409.7909

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					
Junior College (2yr)	3.46265	0.0373	0.3395	0.2852	2.0400e-003		0.0258	0.0258		0.0258	0.0258		407.3701	407.3701	7.8100e-003	7.4700e-003	409.7909
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0373	0.3395	0.2852	2.0400e-003		0.0258	0.0258		0.0258	0.0258		407.3701	407.3701	7.8100e-003	7.4700e-003	409.7909

6.0 Area Detail

18618 Oxnard - Existing - Los Angeles-South Coast County, Summer

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

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	1.0716	8.0000e-005	9.1300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0195	0.0195	5.0000e-005		0.0208
Unmitigated	1.0716	8.0000e-005	9.1300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0195	0.0195	5.0000e-005		0.0208

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	0.1229					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.9479					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.5000e-004	8.0000e-005	9.1300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0195	0.0195	5.0000e-005		0.0208
Total	1.0716	8.0000e-005	9.1300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0195	0.0195	5.0000e-005		0.0208

18618 Oxnard - Existing - Los Angeles-South Coast County, Summer

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	0.1229					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.9479					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.5000e-004	8.0000e-005	9.1300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0195	0.0195	5.0000e-005		0.0208
Total	1.0716	8.0000e-005	9.1300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0195	0.0195	5.0000e-005		0.0208

7.0 Water Detail

7.1 Mitigation Measures Water

18618 Oxnard - Existing - Los Angeles-South Coast County, Summer

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
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

18618 Oxnard - Existing - Los Angeles-South Coast County, Winter

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

**18618 Oxnard - Existing
Los Angeles-South Coast County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2yr)	47.12	1000sqft	0.54	47,124.00	0
Parking Lot	41.92	1000sqft	0.96	41,919.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	12			Operational Year	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	691.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

- Project Characteristics - Existing scenario - no construction
- Land Use - Applicant info and zimas.lacity.org
- Construction Phase - Operations only analysis
- Off-road Equipment - Operations only analysis
- Vehicle Trips - Weekday trip rate per Gibson Transportation Consulting, Inc.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	1.00
tblConstructionPhase	PhaseEndDate	8/23/2021	7/27/2021
tblLandUse	LotAcreage	1.08	0.54
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

18618 Oxnard - Existing - Los Angeles-South Coast County, 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	1.0716	8.0000e-005	9.1300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0195	0.0195	5.0000e-005		0.0208
Energy	0.0373	0.3395	0.2852	2.0400e-003		0.0258	0.0258		0.0258	0.0258		407.3701	407.3701	7.8100e-003	7.4700e-003	409.7909
Mobile	1.8607	2.4169	18.7566	0.0377	3.7456	0.0389	3.7845	0.9977	0.0364	1.0341		3,839.1182	3,839.1182	0.2828	0.1795	3,899.6850
Total	2.9697	2.7564	19.0509	0.0397	3.7456	0.0647	3.8104	0.9977	0.0622	1.0599		4,246.5078	4,246.5078	0.2907	0.1870	4,309.4967

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.0716	8.0000e-005	9.1300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0195	0.0195	5.0000e-005		0.0208
Energy	0.0373	0.3395	0.2852	2.0400e-003		0.0258	0.0258		0.0258	0.0258		407.3701	407.3701	7.8100e-003	7.4700e-003	409.7909
Mobile	1.8607	2.4169	18.7566	0.0377	3.7456	0.0389	3.7845	0.9977	0.0364	1.0341		3,839.1182	3,839.1182	0.2828	0.1795	3,899.6850
Total	2.9697	2.7564	19.0509	0.0397	3.7456	0.0647	3.8104	0.9977	0.0622	1.0599		4,246.5078	4,246.5078	0.2907	0.1870	4,309.4967

18618 Oxnard - Existing - Los Angeles-South Coast County, 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	Demolition	Demolition	7/27/2021	7/27/2021	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.96

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
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	0	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
Demolition	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

18618 Oxnard - Existing - Los Angeles-South Coast County, Winter

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

3.2 Demolition - 2021

Unmitigated Construction On-Site

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

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	0.0000	0.0000	0.0000	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

18618 Oxnard - Existing - Los Angeles-South Coast County, Winter

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

3.2 Demolition - 2021

Mitigated Construction On-Site

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

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	0.0000	0.0000	0.0000	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

4.0 Operational Detail - Mobile

18618 Oxnard - Existing - Los Angeles-South Coast County, Winter

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

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	1.8607	2.4169	18.7566	0.0377	3.7456	0.0389	3.7845	0.9977	0.0364	1.0341		3,839.118 2	3,839.118 2	0.2828	0.1795	3,899.685 0
Unmitigated	1.8607	2.4169	18.7566	0.0377	3.7456	0.0389	3.7845	0.9977	0.0364	1.0341		3,839.118 2	3,839.118 2	0.2828	0.1795	3,899.685 0

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2yr)	589.05	529.20	57.02	1,523,759	1,523,759
Parking Lot	0.00	0.00	0.00		
Total	589.05	529.20	57.02	1,523,759	1,523,759

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
Junior College (2yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior College (2yr)	0.548812	0.060892	0.186048	0.127862	0.022726	0.005730	0.010818	0.008022	0.000956	0.000624	0.023397	0.000686	0.003425

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

Parking Lot	0.548812	0.060892	0.186048	0.127862	0.022726	0.005730	0.010818	0.008022	0.000956	0.000624	0.023397	0.000686	0.003425
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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0373	0.3395	0.2852	2.0400e-003		0.0258	0.0258		0.0258	0.0258		407.3701	407.3701	7.8100e-003	7.4700e-003	409.7909
NaturalGas Unmitigated	0.0373	0.3395	0.2852	2.0400e-003		0.0258	0.0258		0.0258	0.0258		407.3701	407.3701	7.8100e-003	7.4700e-003	409.7909

18618 Oxnard - Existing - Los Angeles-South Coast County, 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

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					
Junior College (2yr)	3462.65	0.0373	0.3395	0.2852	2.0400e-003		0.0258	0.0258		0.0258	0.0258		407.3701	407.3701	7.8100e-003	7.4700e-003	409.7909
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0373	0.3395	0.2852	2.0400e-003		0.0258	0.0258		0.0258	0.0258		407.3701	407.3701	7.8100e-003	7.4700e-003	409.7909

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					
Junior College (2yr)	3.46265	0.0373	0.3395	0.2852	2.0400e-003		0.0258	0.0258		0.0258	0.0258		407.3701	407.3701	7.8100e-003	7.4700e-003	409.7909
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0373	0.3395	0.2852	2.0400e-003		0.0258	0.0258		0.0258	0.0258		407.3701	407.3701	7.8100e-003	7.4700e-003	409.7909

6.0 Area Detail

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

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	1.0716	8.0000e-005	9.1300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0195	0.0195	5.0000e-005		0.0208
Unmitigated	1.0716	8.0000e-005	9.1300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0195	0.0195	5.0000e-005		0.0208

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	0.1229					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.9479					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.5000e-004	8.0000e-005	9.1300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0195	0.0195	5.0000e-005		0.0208
Total	1.0716	8.0000e-005	9.1300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0195	0.0195	5.0000e-005		0.0208

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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	0.1229					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.9479					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.5000e-004	8.0000e-005	9.1300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0195	0.0195	5.0000e-005		0.0208
Total	1.0716	8.0000e-005	9.1300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0195	0.0195	5.0000e-005		0.0208

7.0 Water Detail

7.1 Mitigation Measures Water

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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
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

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

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	103.60	1000sqft	0.90	103,598.00	0
Parking Lot	26.35	1000sqft	0.60	26,350.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	12			Operational Year	2024
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	691.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Applicant info

Land Use - Applicant info and zimas.lacity.org

Construction Phase - Applicant info

Off-road Equipment - Consultant assumptions

Off-road Equipment - Consultant assumptions

Off-road Equipment - Consultant assumptions

Off-road Equipment - Consultant assumptions

Off-road Equipment -

Trips and VMT - Assumes 14CY grading haul truck capacity.

Demolition - Assumes ~1acre parking lot demo and 1CY asphalt equals 773lbs. Assumes 1CY C&D debris equals 484lbs. (EPA).

Grading - Applicant info

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

Vehicle Trips - Trip rate per VMT Screening Evaluation

Construction Off-road Equipment Mitigation - Assumes SCAQMD Rule 403 control efficiencies for trackout reduction.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	80
tblConstructionPhase	NumDays	10.00	15.00
tblConstructionPhase	NumDays	200.00	241.00
tblConstructionPhase	NumDays	20.00	35.00
tblConstructionPhase	NumDays	4.00	23.00
tblConstructionPhase	NumDays	10.00	8.00
tblGrading	AcresOfGrading	11.50	0.96
tblGrading	MaterialExported	0.00	600.00
tblLandUse	LandUseSquareFeet	103,600.00	103,598.00
tblLandUse	LotAcreage	2.38	0.90
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblTripsAndVMT	HaulingTripLength	20.00	40.00
tblTripsAndVMT	HaulingTripLength	20.00	40.00
tblTripsAndVMT	HaulingTripNumber	75.00	86.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00

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

tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.74	2.13
tblVehicleTrips	SU_TR	1.74	2.13
tblVehicleTrips	WD_TR	1.74	2.13

2.0 Emissions Summary

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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					
2023	0.0807	0.7922	0.7122	2.0200e-003	0.1968	0.0293	0.2261	0.0640	0.0272	0.0913	0.0000	183.9393	183.9393	0.0312	0.0106	187.8640
2024	0.5475	0.5140	0.6342	1.4800e-003	0.0489	0.0190	0.0679	0.0132	0.0178	0.0310	0.0000	131.0306	131.0306	0.0223	4.2700e-003	132.8610
Maximum	0.5475	0.7922	0.7122	2.0200e-003	0.1968	0.0293	0.2261	0.0640	0.0272	0.0913	0.0000	183.9393	183.9393	0.0312	0.0106	187.8640

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					
2023	0.0807	0.7922	0.7122	2.0200e-003	0.0827	0.0293	0.1120	0.0281	0.0272	0.0554	0.0000	183.9392	183.9392	0.0312	0.0106	187.8639
2024	0.5475	0.5140	0.6342	1.4800e-003	0.0161	0.0190	0.0351	5.1300e-003	0.0178	0.0229	0.0000	131.0305	131.0305	0.0223	4.2700e-003	132.8609
Maximum	0.5475	0.7922	0.7122	2.0200e-003	0.0827	0.0293	0.1120	0.0281	0.0272	0.0554	0.0000	183.9392	183.9392	0.0312	0.0106	187.8639

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	59.81	0.00	49.99	56.91	0.00	35.95	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	5-8-2023	8-7-2023	0.4069	0.4069
2	8-8-2023	11-7-2023	0.2821	0.2821
3	11-8-2023	2-7-2024	0.2769	0.2769
4	2-8-2024	5-7-2024	0.2611	0.2611
5	5-8-2024	8-7-2024	0.6856	0.6856
		Highest	0.6856	0.6856

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	0.4246	2.0000e-005	1.6600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.2300e-003	3.2300e-003	1.0000e-005	0.0000	3.4400e-003
Energy	4.8000e-004	4.3700e-003	3.6700e-003	3.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	132.1893	132.1893	6.1700e-003	8.2000e-004	132.5890
Mobile	0.1398	0.1725	1.5712	3.5800e-003	0.3809	2.5800e-003	0.3835	0.1016	2.3900e-003	0.1040	0.0000	330.9364	330.9364	0.0213	0.0137	335.5545
Waste						0.0000	0.0000		0.0000	0.0000	19.7673	0.0000	19.7673	1.1682	0.0000	48.9726
Water						0.0000	0.0000		0.0000	0.0000	7.6006	97.9141	105.5147	0.7853	0.0190	130.8095
Total	0.5648	0.1769	1.5766	3.6100e-003	0.3809	2.9200e-003	0.3839	0.1016	2.7300e-003	0.1044	27.3679	561.0430	588.4109	1.9810	0.0335	647.9290

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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	0.4246	2.0000e-005	1.6600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.2300e-003	3.2300e-003	1.0000e-005	0.0000	3.4400e-003
Energy	4.8000e-004	4.3700e-003	3.6700e-003	3.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	132.1893	132.1893	6.1700e-003	8.2000e-004	132.5890
Mobile	0.1398	0.1725	1.5712	3.5800e-003	0.3809	2.5800e-003	0.3835	0.1016	2.3900e-003	0.1040	0.0000	330.9364	330.9364	0.0213	0.0137	335.5545
Waste						0.0000	0.0000		0.0000	0.0000	19.7673	0.0000	19.7673	1.1682	0.0000	48.9726
Water						0.0000	0.0000		0.0000	0.0000	7.6006	97.9141	105.5147	0.7853	0.0190	130.8095
Total	0.5648	0.1769	1.5766	3.6100e-003	0.3809	2.9200e-003	0.3839	0.1016	2.7300e-003	0.1044	27.3679	561.0430	588.4109	1.9810	0.0335	647.9290

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	5/8/2023	6/23/2023	5	35	
2	Grading	Grading	6/26/2023	7/26/2023	5	23	
3	Building Construction	Building Construction	7/27/2023	6/27/2024	5	241	

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

4	Paving	Paving	6/28/2024	7/9/2024	5	8
5	Architectural Coating	Architectural Coating	7/10/2024	7/30/2024	5	15

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0.96

Acres of Paving: 0.6

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 155,397; Non-Residential Outdoor: 51,799; Striped Parking Area: 1,581 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	0	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Aerial Lifts	1	8.00	63	0.31
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

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Architectural Coating	Aerial Lifts	1	8.00	63	0.31
Architectural Coating	Air Compressors	2	6.00	78	0.48

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
Demolition	2	5.00	0.00	657.00	14.70	6.90	40.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	86.00	14.70	6.90	40.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	55.00	21.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	3	11.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0711	0.0000	0.0711	0.0108	0.0000	0.0108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0146	0.1516	0.0934	2.0000e-004		6.9400e-003	6.9400e-003		6.3900e-003	6.3900e-003	0.0000	17.9170	17.9170	5.7900e-003	0.0000	18.0619
Total	0.0146	0.1516	0.0934	2.0000e-004	0.0711	6.9400e-003	0.0781	0.0108	6.3900e-003	0.0172	0.0000	17.9170	17.9170	5.7900e-003	0.0000	18.0619

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3.2 Demolition - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0500e-003	0.0842	0.0180	3.8000e-004	0.0113	5.4000e-004	0.0118	3.1000e-003	5.1000e-004	3.6200e-003	0.0000	37.4803	37.4803	2.0900e-003	5.9500e-003	39.3064
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	2.2000e-004	2.9800e-003	1.0000e-005	9.6000e-004	1.0000e-005	9.6000e-004	2.5000e-004	1.0000e-005	2.6000e-004	0.0000	0.7632	0.7632	2.0000e-005	2.0000e-005	0.7696
Total	1.3300e-003	0.0845	0.0210	3.9000e-004	0.0123	5.5000e-004	0.0128	3.3500e-003	5.2000e-004	3.8800e-003	0.0000	38.2435	38.2435	2.1100e-003	5.9700e-003	40.0760

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					0.0320	0.0000	0.0320	4.8500e-003	0.0000	4.8500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0146	0.1516	0.0934	2.0000e-004		6.9400e-003	6.9400e-003		6.3900e-003	6.3900e-003	0.0000	17.9170	17.9170	5.7900e-003	0.0000	18.0618
Total	0.0146	0.1516	0.0934	2.0000e-004	0.0320	6.9400e-003	0.0390	4.8500e-003	6.3900e-003	0.0112	0.0000	17.9170	17.9170	5.7900e-003	0.0000	18.0618

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3.2 Demolition - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0500e-003	0.0842	0.0180	3.8000e-004	4.5000e-003	5.4000e-004	5.0400e-003	1.4400e-003	5.1000e-004	1.9500e-003	0.0000	37.4803	37.4803	2.0900e-003	5.9500e-003	39.3064
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	2.2000e-004	2.9800e-003	1.0000e-005	2.9000e-004	1.0000e-005	3.0000e-004	9.0000e-005	1.0000e-005	1.0000e-004	0.0000	0.7632	0.7632	2.0000e-005	2.0000e-005	0.7696
Total	1.3300e-003	0.0845	0.0210	3.9000e-004	4.7900e-003	5.5000e-004	5.3400e-003	1.5300e-003	5.2000e-004	2.0500e-003	0.0000	38.2435	38.2435	2.1100e-003	5.9700e-003	40.0760

3.3 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0698	0.0000	0.0698	0.0381	0.0000	0.0381	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0116	0.1152	0.0956	1.9000e-004		5.3300e-003	5.3300e-003		4.9000e-003	4.9000e-003	0.0000	16.5982	16.5982	5.3700e-003	0.0000	16.7324
Total	0.0116	0.1152	0.0956	1.9000e-004	0.0698	5.3300e-003	0.0751	0.0381	4.9000e-003	0.0430	0.0000	16.5982	16.5982	5.3700e-003	0.0000	16.7324

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3.3 Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.4000e-004	0.0110	2.3600e-003	5.0000e-005	1.4800e-003	7.0000e-005	1.5500e-003	4.1000e-004	7.0000e-005	4.7000e-004	0.0000	4.9061	4.9061	2.7000e-004	7.8000e-004	5.1451
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9000e-004	2.3000e-004	3.1300e-003	1.0000e-005	1.0100e-003	1.0000e-005	1.0100e-003	2.7000e-004	1.0000e-005	2.7000e-004	0.0000	0.8025	0.8025	2.0000e-005	2.0000e-005	0.8092
Total	4.3000e-004	0.0113	5.4900e-003	6.0000e-005	2.4900e-003	8.0000e-005	2.5600e-003	6.8000e-004	8.0000e-005	7.4000e-004	0.0000	5.7086	5.7086	2.9000e-004	8.0000e-004	5.9544

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					0.0314	0.0000	0.0314	0.0172	0.0000	0.0172	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0116	0.1152	0.0956	1.9000e-004		5.3300e-003	5.3300e-003		4.9000e-003	4.9000e-003	0.0000	16.5981	16.5981	5.3700e-003	0.0000	16.7323
Total	0.0116	0.1152	0.0956	1.9000e-004	0.0314	5.3300e-003	0.0367	0.0172	4.9000e-003	0.0221	0.0000	16.5981	16.5981	5.3700e-003	0.0000	16.7323

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3.3 Grading - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.4000e-004	0.0110	2.3600e-003	5.0000e-005	5.9000e-004	7.0000e-005	6.6000e-004	1.9000e-004	7.0000e-005	2.6000e-004	0.0000	4.9061	4.9061	2.7000e-004	7.8000e-004	5.1451
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9000e-004	2.3000e-004	3.1300e-003	1.0000e-005	3.1000e-004	1.0000e-005	3.2000e-004	1.0000e-004	1.0000e-005	1.0000e-004	0.0000	0.8025	0.8025	2.0000e-005	2.0000e-005	0.8092
Total	4.3000e-004	0.0113	5.4900e-003	6.0000e-005	9.0000e-004	8.0000e-005	9.8000e-004	2.9000e-004	8.0000e-005	3.6000e-004	0.0000	5.7086	5.7086	2.9000e-004	8.0000e-004	5.9544

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0416	0.3745	0.3740	6.7000e-004		0.0160	0.0160		0.0149	0.0149	0.0000	57.2247	57.2247	0.0163	0.0000	57.6309
Total	0.0416	0.3745	0.3740	6.7000e-004		0.0160	0.0160		0.0149	0.0149	0.0000	57.2247	57.2247	0.0163	0.0000	57.6309

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3.4 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3300e-003	0.0474	0.0177	2.2000e-004	7.4100e-003	2.3000e-004	7.6400e-003	2.1400e-003	2.2000e-004	2.3600e-003	0.0000	21.3823	21.3823	7.1000e-004	3.0800e-003	22.3172
Worker	9.7700e-003	7.7600e-003	0.1049	2.9000e-004	0.0338	2.1000e-004	0.0340	8.9600e-003	1.9000e-004	9.1500e-003	0.0000	26.8651	26.8651	7.1000e-004	7.0000e-004	27.0914
Total	0.0111	0.0552	0.1227	5.1000e-004	0.0412	4.4000e-004	0.0416	0.0111	4.1000e-004	0.0115	0.0000	48.2474	48.2474	1.4200e-003	3.7800e-003	49.4085

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	0.0416	0.3745	0.3740	6.7000e-004		0.0160	0.0160		0.0149	0.0149	0.0000	57.2246	57.2246	0.0163	0.0000	57.6308
Total	0.0416	0.3745	0.3740	6.7000e-004		0.0160	0.0160		0.0149	0.0149	0.0000	57.2246	57.2246	0.0163	0.0000	57.6308

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3.4 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3300e-003	0.0474	0.0177	2.2000e-004	3.2200e-003	2.3000e-004	3.4400e-003	1.1100e-003	2.2000e-004	1.3300e-003	0.0000	21.3823	21.3823	7.1000e-004	3.0800e-003	22.3172
Worker	9.7700e-003	7.7600e-003	0.1049	2.9000e-004	0.0104	2.1000e-004	0.0106	3.2200e-003	1.9000e-004	3.4100e-003	0.0000	26.8651	26.8651	7.1000e-004	7.0000e-004	27.0914
Total	0.0111	0.0552	0.1227	5.1000e-004	0.0136	4.4000e-004	0.0140	4.3300e-003	4.1000e-004	4.7400e-003	0.0000	48.2474	48.2474	1.4200e-003	3.7800e-003	49.4085

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0450	0.4053	0.4269	7.8000e-004		0.0164	0.0164		0.0153	0.0153	0.0000	65.9184	65.9184	0.0186	0.0000	66.3842
Total	0.0450	0.4053	0.4269	7.8000e-004		0.0164	0.0164		0.0153	0.0153	0.0000	65.9184	65.9184	0.0186	0.0000	66.3842

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3.4 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4800e-003	0.0547	0.0200	2.5000e-004	8.5400e-003	2.6000e-004	8.8000e-003	2.4600e-003	2.5000e-004	2.7200e-003	0.0000	24.2583	24.2583	8.3000e-004	3.4900e-003	25.3203
Worker	0.0105	7.9700e-003	0.1124	3.3000e-004	0.0389	2.3000e-004	0.0391	0.0103	2.1000e-004	0.0105	0.0000	30.0679	30.0679	7.5000e-004	7.5000e-004	30.3097
Total	0.0120	0.0627	0.1324	5.8000e-004	0.0474	4.9000e-004	0.0479	0.0128	4.6000e-004	0.0133	0.0000	54.3263	54.3263	1.5800e-003	4.2400e-003	55.6300

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	0.0450	0.4053	0.4269	7.8000e-004		0.0164	0.0164		0.0153	0.0153	0.0000	65.9183	65.9183	0.0186	0.0000	66.3841
Total	0.0450	0.4053	0.4269	7.8000e-004		0.0164	0.0164		0.0153	0.0153	0.0000	65.9183	65.9183	0.0186	0.0000	66.3841

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3.4 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4800e-003	0.0547	0.0200	2.5000e-004	3.7100e-003	2.6000e-004	3.9700e-003	1.2800e-003	2.5000e-004	1.5300e-003	0.0000	24.2583	24.2583	8.3000e-004	3.4900e-003	25.3203
Worker	0.0105	7.9700e-003	0.1124	3.3000e-004	0.0119	2.3000e-004	0.0122	3.7100e-003	2.1000e-004	3.9200e-003	0.0000	30.0679	30.0679	7.5000e-004	7.5000e-004	30.3097
Total	0.0120	0.0627	0.1324	5.8000e-004	0.0156	4.9000e-004	0.0161	4.9900e-003	4.6000e-004	5.4500e-003	0.0000	54.3263	54.3263	1.5800e-003	4.2400e-003	55.6300

3.5 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.4700e-003	0.0234	0.0353	5.0000e-005		1.1200e-003	1.1200e-003		1.0400e-003	1.0400e-003	0.0000	4.7096	4.7096	1.4900e-003	0.0000	4.7470
Paving	7.9000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.2600e-003	0.0234	0.0353	5.0000e-005		1.1200e-003	1.1200e-003		1.0400e-003	1.0400e-003	0.0000	4.7096	4.7096	1.4900e-003	0.0000	4.7470

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3.5 Paving - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	1.2000e-004	1.6500e-003	0.0000	5.7000e-004	0.0000	5.7000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4407	0.4407	1.0000e-005	1.0000e-005	0.4443
Total	1.5000e-004	1.2000e-004	1.6500e-003	0.0000	5.7000e-004	0.0000	5.7000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4407	0.4407	1.0000e-005	1.0000e-005	0.4443

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	2.4700e-003	0.0234	0.0353	5.0000e-005		1.1200e-003	1.1200e-003		1.0400e-003	1.0400e-003	0.0000	4.7096	4.7096	1.4900e-003	0.0000	4.7470
Paving	7.9000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.2600e-003	0.0234	0.0353	5.0000e-005		1.1200e-003	1.1200e-003		1.0400e-003	1.0400e-003	0.0000	4.7096	4.7096	1.4900e-003	0.0000	4.7470

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3.5 Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	1.2000e-004	1.6500e-003	0.0000	1.7000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	6.0000e-005	0.0000	0.4407	0.4407	1.0000e-005	1.0000e-005	0.4443
Total	1.5000e-004	1.2000e-004	1.6500e-003	0.0000	1.7000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	6.0000e-005	0.0000	0.4407	0.4407	1.0000e-005	1.0000e-005	0.4443

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4838					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9700e-003	0.0222	0.0354	6.0000e-005		9.8000e-004	9.8000e-004		9.8000e-004	9.8000e-004	0.0000	4.9363	4.9363	5.7000e-004	0.0000	4.9507
Total	0.4868	0.0222	0.0354	6.0000e-005		9.8000e-004	9.8000e-004		9.8000e-004	9.8000e-004	0.0000	4.9363	4.9363	5.7000e-004	0.0000	4.9507

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3.6 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	1.9000e-004	2.6100e-003	1.0000e-005	9.0000e-004	1.0000e-005	9.1000e-004	2.4000e-004	0.0000	2.5000e-004	0.0000	0.6993	0.6993	2.0000e-005	2.0000e-005	0.7049
Total	2.4000e-004	1.9000e-004	2.6100e-003	1.0000e-005	9.0000e-004	1.0000e-005	9.1000e-004	2.4000e-004	0.0000	2.5000e-004	0.0000	0.6993	0.6993	2.0000e-005	2.0000e-005	0.7049

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4838					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9700e-003	0.0222	0.0354	6.0000e-005		9.8000e-004	9.8000e-004		9.8000e-004	9.8000e-004	0.0000	4.9363	4.9363	5.7000e-004	0.0000	4.9507
Total	0.4868	0.0222	0.0354	6.0000e-005		9.8000e-004	9.8000e-004		9.8000e-004	9.8000e-004	0.0000	4.9363	4.9363	5.7000e-004	0.0000	4.9507

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3.6 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	1.9000e-004	2.6100e-003	1.0000e-005	2.8000e-004	1.0000e-005	2.8000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.6993	0.6993	2.0000e-005	2.0000e-005	0.7049
Total	2.4000e-004	1.9000e-004	2.6100e-003	1.0000e-005	2.8000e-004	1.0000e-005	2.8000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.6993	0.6993	2.0000e-005	2.0000e-005	0.7049

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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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	0.1398	0.1725	1.5712	3.5800e-003	0.3809	2.5800e-003	0.3835	0.1016	2.3900e-003	0.1040	0.0000	330.9364	330.9364	0.0213	0.0137	335.5545
Unmitigated	0.1398	0.1725	1.5712	3.5800e-003	0.3809	2.5800e-003	0.3835	0.1016	2.3900e-003	0.1040	0.0000	330.9364	330.9364	0.0213	0.0137	335.5545

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	220.67	220.67	220.67	1,013,919	1,013,919
Total	220.67	220.67	220.67	1,013,919	1,013,919

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Unrefrigerated Warehouse-No Rail	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352

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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	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	127.4349	127.4349	6.0800e-003	7.4000e-004	127.8063
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	127.4349	127.4349	6.0800e-003	7.4000e-004	127.8063
NaturalGas Mitigated	4.8000e-004	4.3700e-003	3.6700e-003	3.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	4.7544	4.7544	9.0000e-005	9.0000e-005	4.7827
NaturalGas Unmitigated	4.8000e-004	4.3700e-003	3.6700e-003	3.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	4.7544	4.7544	9.0000e-005	9.0000e-005	4.7827

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	89094.3	4.8000e-004	4.3700e-003	3.6700e-003	3.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	4.7544	4.7544	9.0000e-005	9.0000e-005	4.7827
Total		4.8000e-004	4.3700e-003	3.6700e-003	3.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	4.7544	4.7544	9.0000e-005	9.0000e-005	4.7827

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	89094.3	4.8000e-004	4.3700e-003	3.6700e-003	3.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	4.7544	4.7544	9.0000e-005	9.0000e-005	4.7827
Total		4.8000e-004	4.3700e-003	3.6700e-003	3.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	4.7544	4.7544	9.0000e-005	9.0000e-005	4.7827

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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			
Parking Lot	9222.5	2.8947	1.4000e-004	2.0000e-005	2.9032
Unrefrigerated Warehouse-No Rail	396780	124.5402	5.9400e-003	7.2000e-004	124.9032
Total		127.4349	6.0800e-003	7.4000e-004	127.8064

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	9222.5	2.8947	1.4000e-004	2.0000e-005	2.9032
Unrefrigerated Warehouse-No Rail	396780	124.5402	5.9400e-003	7.2000e-004	124.9032
Total		127.4349	6.0800e-003	7.4000e-004	127.8064

6.0 Area Detail

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6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.4246	2.0000e-005	1.6600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.2300e-003	3.2300e-003	1.0000e-005	0.0000	3.4400e-003
Unmitigated	0.4246	2.0000e-005	1.6600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.2300e-003	3.2300e-003	1.0000e-005	0.0000	3.4400e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0484					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3761					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.5000e-004	2.0000e-005	1.6600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.2300e-003	3.2300e-003	1.0000e-005	0.0000	3.4400e-003
Total	0.4246	2.0000e-005	1.6600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.2300e-003	3.2300e-003	1.0000e-005	0.0000	3.4400e-003

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0484					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3761					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.5000e-004	2.0000e-005	1.6600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.2300e-003	3.2300e-003	1.0000e-005	0.0000	3.4400e-003
Total	0.4246	2.0000e-005	1.6600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.2300e-003	3.2300e-003	1.0000e-005	0.0000	3.4400e-003

7.0 Water Detail

7.1 Mitigation Measures Water

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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	105.5147	0.7853	0.0190	130.8095
Unmitigated	105.5147	0.7853	0.0190	130.8095

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	23.9575 / 0	105.5147	0.7853	0.0190	130.8095
Total		105.5147	0.7853	0.0190	130.8095

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	23.9575 / 0	105.5147	0.7853	0.0190	130.8095
Total		105.5147	0.7853	0.0190	130.8095

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	19.7673	1.1682	0.0000	48.9726
Unmitigated	19.7673	1.1682	0.0000	48.9726

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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			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	97.38	19.7673	1.1682	0.0000	48.9726
Total		19.7673	1.1682	0.0000	48.9726

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	97.38	19.7673	1.1682	0.0000	48.9726
Total		19.7673	1.1682	0.0000	48.9726

9.0 Operational Offroad

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

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

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

**18618 Oxnard - Future
Los Angeles-South Coast County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	103.60	1000sqft	0.90	103,598.00	0
Parking Lot	26.35	1000sqft	0.60	26,350.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	12			Operational Year	2024
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	691.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Applicant info

Land Use - Applicant info and zimas.lacity.org

Construction Phase - Applicant info

Off-road Equipment - Consultant assumptions

Off-road Equipment - Consultant assumptions

Off-road Equipment - Consultant assumptions

Off-road Equipment - Consultant assumptions

Off-road Equipment -

Trips and VMT - Assumes 14CY grading haul truck capacity.

Demolition - Assumes ~1acre parking lot demo and 1CY asphalt equals 773lbs. Assumes 1CY C&D debris equals 484lbs. (EPA).

Grading - Applicant info

18618 Oxnard - Future - Los Angeles-South Coast County, Summer

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

Vehicle Trips - Trip rate per VMT Screening Evaluation

Construction Off-road Equipment Mitigation - Assumes SCAQMD Rule 403 control efficiencies for trackout reduction.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	80
tblConstructionPhase	NumDays	10.00	15.00
tblConstructionPhase	NumDays	200.00	241.00
tblConstructionPhase	NumDays	20.00	35.00
tblConstructionPhase	NumDays	4.00	23.00
tblConstructionPhase	NumDays	10.00	8.00
tblGrading	AcresOfGrading	11.50	0.96
tblGrading	MaterialExported	0.00	600.00
tblLandUse	LandUseSquareFeet	103,600.00	103,598.00
tblLandUse	LotAcreage	2.38	0.90
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblTripsAndVMT	HaulingTripLength	20.00	40.00
tblTripsAndVMT	HaulingTripLength	20.00	40.00
tblTripsAndVMT	HaulingTripNumber	75.00	86.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00

18618 Oxnard - Future - Los Angeles-South Coast County, Summer

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

tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.74	2.13
tblVehicleTrips	SU_TR	1.74	2.13
tblVehicleTrips	WD_TR	1.74	2.13

2.0 Emissions Summary

18618 Oxnard - Future - Los Angeles-South Coast County, Summer

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					
2023	1.0436	13.2351	8.9778	0.0336	6.2895	0.4697	6.7593	3.3750	0.4324	3.8074	0.0000	3,538.9048	3,538.9048	0.5428	0.3760	3,663.3984
2024	64.9410	7.2013	9.2618	0.0212	0.7493	0.2819	1.0110	0.2018	0.2602	0.4465	0.0000	2,075.2795	2,075.2795	0.4144	0.0714	2,105.1933
Maximum	64.9410	13.2351	9.2618	0.0336	6.2895	0.4697	6.7593	3.3750	0.4324	3.8074	0.0000	3,538.9048	3,538.9048	0.5428	0.3760	3,663.3984

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	1.0436	13.2351	8.9778	0.0336	2.8101	0.4697	3.2799	1.5169	0.4324	1.9492	0.0000	3,538.9048	3,538.9048	0.5428	0.3760	3,663.3984
2024	64.9410	7.2013	9.2618	0.0212	0.2451	0.2819	0.5068	0.0780	0.2602	0.3227	0.0000	2,075.2795	2,075.2795	0.4144	0.0714	2,105.1933
Maximum	64.9410	13.2351	9.2618	0.0336	2.8101	0.4697	3.2799	1.5169	0.4324	1.9492	0.0000	3,538.9048	3,538.9048	0.5428	0.3760	3,663.3984

18618 Oxnard - Future - Los Angeles-South Coast County, Summer

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	56.59	0.00	51.27	55.41	0.00	46.59	0.00	0.00	0.00	0.00	0.00	0.00

18618 Oxnard - Future - Los Angeles-South Coast County, Summer

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	2.3269	1.2000e-004	0.0133	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0284	0.0284	7.0000e-005		0.0303
Energy	2.6300e-003	0.0239	0.0201	1.4000e-004		1.8200e-003	1.8200e-003		1.8200e-003	1.8200e-003		28.7169	28.7169	5.5000e-004	5.3000e-004	28.8876
Mobile	0.7889	0.8637	8.8098	0.0203	2.1347	0.0142	2.1488	0.5686	0.0132	0.5818		2,071.442 2	2,071.442 2	0.1271	0.0790	2,098.159 6
Total	3.1184	0.8878	8.8431	0.0205	2.1347	0.0161	2.1507	0.5686	0.0150	0.5836		2,100.187 6	2,100.187 6	0.1277	0.0795	2,127.077 5

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	2.3269	1.2000e-004	0.0133	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0284	0.0284	7.0000e-005		0.0303
Energy	2.6300e-003	0.0239	0.0201	1.4000e-004		1.8200e-003	1.8200e-003		1.8200e-003	1.8200e-003		28.7169	28.7169	5.5000e-004	5.3000e-004	28.8876
Mobile	0.7889	0.8637	8.8098	0.0203	2.1347	0.0142	2.1488	0.5686	0.0132	0.5818		2,071.442 2	2,071.442 2	0.1271	0.0790	2,098.159 6
Total	3.1184	0.8878	8.8431	0.0205	2.1347	0.0161	2.1507	0.5686	0.0150	0.5836		2,100.187 6	2,100.187 6	0.1277	0.0795	2,127.077 5

18618 Oxnard - Future - Los Angeles-South Coast County, Summer

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	Demolition	Demolition	5/8/2023	6/23/2023	5	35	
2	Grading	Grading	6/26/2023	7/26/2023	5	23	
3	Building Construction	Building Construction	7/27/2023	6/27/2024	5	241	
4	Paving	Paving	6/28/2024	7/9/2024	5	8	
5	Architectural Coating	Architectural Coating	7/10/2024	7/30/2024	5	15	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0.96

Acres of Paving: 0.6

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 155,397; Non-Residential Outdoor: 51,799; Striped Parking Area: 1,581 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	0	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40

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

Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Aerial Lifts	1	8.00	63	0.31
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Aerial Lifts	1	8.00	63	0.31
Architectural Coating	Air Compressors	2	6.00	78	0.48

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
Demolition	2	5.00	0.00	657.00	14.70	6.90	40.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	86.00	14.70	6.90	40.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	55.00	21.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	3	11.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

18618 Oxnard - Future - Los Angeles-South Coast County, Summer

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

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.0646	0.0000	4.0646	0.6154	0.0000	0.6154			0.0000			0.0000
Off-Road	0.8360	8.6628	5.3377	0.0117		0.3967	0.3967		0.3650	0.3650		1,128.577 2	1,128.577 2	0.3650		1,137.702 3
Total	0.8360	8.6628	5.3377	0.0117	4.0646	0.3967	4.4613	0.6154	0.3650	0.9804		1,128.577 2	1,128.577 2	0.3650		1,137.702 3

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	0.0612	4.5611	1.0278	0.0215	0.6568	0.0307	0.6875	0.1800	0.0294	0.2094		2,360.323 8	2,360.323 8	0.1315	0.3749	2,475.316 9
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	0.0160	0.0112	0.1807	4.9000e-004	0.0559	3.4000e-004	0.0562	0.0148	3.1000e-004	0.0151		50.0038	50.0038	1.2600e-003	1.1500e-003	50.3792
Total	0.0772	4.5722	1.2085	0.0220	0.7127	0.0311	0.7437	0.1949	0.0297	0.2245		2,410.327 6	2,410.327 6	0.1327	0.3760	2,525.696 1

18618 Oxnard - Future - Los Angeles-South Coast County, Summer

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

3.2 Demolition - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.8291	0.0000	1.8291	0.2769	0.0000	0.2769			0.0000			0.0000
Off-Road	0.8360	8.6628	5.3377	0.0117		0.3967	0.3967		0.3650	0.3650	0.0000	1,128.577 2	1,128.577 2	0.3650		1,137.702 3
Total	0.8360	8.6628	5.3377	0.0117	1.8291	0.3967	2.2258	0.2769	0.3650	0.6419	0.0000	1,128.577 2	1,128.577 2	0.3650		1,137.702 3

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	0.0612	4.5611	1.0278	0.0215	0.2597	0.0307	0.2904	0.0826	0.0294	0.1119		2,360.323 8	2,360.323 8	0.1315	0.3749	2,475.316 9
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	0.0160	0.0112	0.1807	4.9000e-004	0.0170	3.4000e-004	0.0174	5.2800e-003	3.1000e-004	5.5900e-003		50.0038	50.0038	1.2600e-003	1.1500e-003	50.3792
Total	0.0772	4.5722	1.2085	0.0220	0.2767	0.0311	0.3077	0.0878	0.0297	0.1175		2,410.327 6	2,410.327 6	0.1327	0.3760	2,525.696 1

18618 Oxnard - Future - Los Angeles-South Coast County, Summer

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

3.3 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.0693	0.0000	6.0693	3.3155	0.0000	3.3155			0.0000			0.0000
Off-Road	1.0058	10.0195	8.3165	0.0164		0.4631	0.4631		0.4260	0.4260		1,590.9858	1,590.9858	0.5146		1,603.8497
Total	1.0058	10.0195	8.3165	0.0164	6.0693	0.4631	6.5324	3.3155	0.4260	3.7415		1,590.9858	1,590.9858	0.5146		1,603.8497

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	0.0122	0.9085	0.2047	4.2800e-003	0.1308	6.1200e-003	0.1369	0.0359	5.8500e-003	0.0417		470.1591	470.1591	0.0262	0.0747	493.0649
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	0.0256	0.0179	0.2891	7.9000e-004	0.0894	5.4000e-004	0.0900	0.0237	5.0000e-004	0.0242		80.0060	80.0060	2.0200e-003	1.8500e-003	80.6067
Total	0.0378	0.9264	0.4939	5.0700e-003	0.2202	6.6600e-003	0.2269	0.0596	6.3500e-003	0.0659		550.1652	550.1652	0.0282	0.0765	573.6716

18618 Oxnard - Future - Los Angeles-South Coast County, Summer

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

3.3 Grading - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7312	0.0000	2.7312	1.4920	0.0000	1.4920			0.0000			0.0000
Off-Road	1.0058	10.0195	8.3165	0.0164		0.4631	0.4631		0.4260	0.4260	0.0000	1,590.985 8	1,590.985 8	0.5146		1,603.849 7
Total	1.0058	10.0195	8.3165	0.0164	2.7312	0.4631	3.1943	1.4920	0.4260	1.9180	0.0000	1,590.985 8	1,590.985 8	0.5146		1,603.849 7

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	0.0122	0.9085	0.2047	4.2800e-003	0.0517	6.1200e-003	0.0578	0.0165	5.8500e-003	0.0223		470.1591	470.1591	0.0262	0.0747	493.0649
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	0.0256	0.0179	0.2891	7.9000e-004	0.0272	5.4000e-004	0.0278	8.4500e-003	5.0000e-004	8.9400e-003		80.0060	80.0060	2.0200e-003	1.8500e-003	80.6067
Total	0.0378	0.9264	0.4939	5.0700e-003	0.0790	6.6600e-003	0.0856	0.0249	6.3500e-003	0.0312		550.1652	550.1652	0.0282	0.0765	573.6716

18618 Oxnard - Future - Los Angeles-South Coast County, Summer

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

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7431	6.6870	6.6778	0.0121		0.2852	0.2852		0.2668	0.2668		1,126.4175	1,126.4175	0.3198		1,134.4135
Total	0.7431	6.6870	6.6778	0.0121		0.2852	0.2852		0.2668	0.2668		1,126.4175	1,126.4175	0.3198		1,134.4135

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	0.0242	0.8061	0.3123	3.9100e-003	0.1345	4.0500e-003	0.1386	0.0387	3.8800e-003	0.0426		420.5932	420.5932	0.0141	0.0605	438.9653
Worker	0.1760	0.1227	1.9877	5.4400e-003	0.6148	3.7000e-003	0.6185	0.1630	3.4000e-003	0.1664		550.0415	550.0415	0.0139	0.0127	554.1709
Total	0.2002	0.9288	2.3000	9.3500e-003	0.7493	7.7500e-003	0.7570	0.2018	7.2800e-003	0.2091		970.6347	970.6347	0.0280	0.0732	993.1362

18618 Oxnard - Future - Los Angeles-South Coast County, Summer

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

3.4 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7431	6.6870	6.6778	0.0121		0.2852	0.2852		0.2668	0.2668	0.0000	1,126.4175	1,126.4175	0.3198		1,134.4135
Total	0.7431	6.6870	6.6778	0.0121		0.2852	0.2852		0.2668	0.2668	0.0000	1,126.4175	1,126.4175	0.3198		1,134.4135

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	0.0242	0.8061	0.3123	3.9100e-003	0.0579	4.0500e-003	0.0619	0.0199	3.8800e-003	0.0238		420.5932	420.5932	0.0141	0.0605	438.9653
Worker	0.1760	0.1227	1.9877	5.4400e-003	0.1872	3.7000e-003	0.1909	0.0581	3.4000e-003	0.0615		550.0415	550.0415	0.0139	0.0127	554.1709
Total	0.2002	0.9288	2.3000	9.3500e-003	0.2451	7.7500e-003	0.2528	0.0780	7.2800e-003	0.0853		970.6347	970.6347	0.0280	0.0732	993.1362

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

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6979	6.2841	6.6187	0.0121		0.2541	0.2541		0.2375	0.2375		1,126.5513	1,126.5513	0.3184		1,134.5118
Total	0.6979	6.2841	6.6187	0.0121		0.2541	0.2541		0.2375	0.2375		1,126.5513	1,126.5513	0.3184		1,134.5118

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	0.0234	0.8077	0.3056	3.8500e-003	0.1345	4.0800e-003	0.1386	0.0387	3.9000e-003	0.0426		414.2767	414.2767	0.0142	0.0596	432.3984
Worker	0.1640	0.1095	1.8470	5.2900e-003	0.6148	3.5400e-003	0.6183	0.1630	3.2600e-003	0.1663		534.4516	534.4516	0.0126	0.0118	538.2831
Total	0.1874	0.9172	2.1527	9.1400e-003	0.7493	7.6200e-003	0.7569	0.2018	7.1600e-003	0.2089		948.7282	948.7282	0.0267	0.0714	970.6815

18618 Oxnard - Future - Los Angeles-South Coast County, Summer

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

3.4 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6979	6.2841	6.6187	0.0121		0.2541	0.2541		0.2375	0.2375	0.0000	1,126.5513	1,126.5513	0.3184		1,134.5118
Total	0.6979	6.2841	6.6187	0.0121		0.2541	0.2541		0.2375	0.2375	0.0000	1,126.5513	1,126.5513	0.3184		1,134.5118

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	0.0234	0.8077	0.3056	3.8500e-003	0.0579	4.0800e-003	0.0620	0.0199	3.9000e-003	0.0238		414.2767	414.2767	0.0142	0.0596	432.3984
Worker	0.1640	0.1095	1.8470	5.2900e-003	0.1872	3.5400e-003	0.1907	0.0581	3.2600e-003	0.0614		534.4516	534.4516	0.0126	0.0118	538.2831
Total	0.1874	0.9172	2.1527	9.1400e-003	0.2451	7.6200e-003	0.2527	0.0780	7.1600e-003	0.0852		948.7282	948.7282	0.0267	0.0714	970.6815

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

3.5 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6180	5.8607	8.8253	0.0136		0.2810	0.2810		0.2594	0.2594		1,297.8688	1,297.8688	0.4114		1,308.1547
Paving	0.1965					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8145	5.8607	8.8253	0.0136		0.2810	0.2810		0.2594	0.2594		1,297.8688	1,297.8688	0.4114		1,308.1547

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	0.0388	0.0259	0.4366	1.2500e-003	0.1453	8.4000e-004	0.1462	0.0385	7.7000e-004	0.0393		126.3249	126.3249	2.9700e-003	2.7900e-003	127.2305
Total	0.0388	0.0259	0.4366	1.2500e-003	0.1453	8.4000e-004	0.1462	0.0385	7.7000e-004	0.0393		126.3249	126.3249	2.9700e-003	2.7900e-003	127.2305

18618 Oxnard - Future - Los Angeles-South Coast County, Summer

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

3.5 Paving - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6180	5.8607	8.8253	0.0136		0.2810	0.2810		0.2594	0.2594	0.0000	1,297.8688	1,297.8688	0.4114		1,308.1547
Paving	0.1965					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8145	5.8607	8.8253	0.0136		0.2810	0.2810		0.2594	0.2594	0.0000	1,297.8688	1,297.8688	0.4114		1,308.1547

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	0.0388	0.0259	0.4366	1.2500e-003	0.0443	8.4000e-004	0.0451	0.0137	7.7000e-004	0.0145		126.3249	126.3249	2.9700e-003	2.7900e-003	127.2305
Total	0.0388	0.0259	0.4366	1.2500e-003	0.0443	8.4000e-004	0.0451	0.0137	7.7000e-004	0.0145		126.3249	126.3249	2.9700e-003	2.7900e-003	127.2305

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

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	64.5121					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3961	2.9639	4.7130	7.6200e-003		0.1310	0.1310		0.1302	0.1302		725.5160	725.5160	0.0843		727.6232
Total	64.9082	2.9639	4.7130	7.6200e-003		0.1310	0.1310		0.1302	0.1302		725.5160	725.5160	0.0843		727.6232

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	0.0328	0.0219	0.3694	1.0600e-003	0.1230	7.1000e-004	0.1237	0.0326	6.5000e-004	0.0333		106.8903	106.8903	2.5100e-003	2.3600e-003	107.6566
Total	0.0328	0.0219	0.3694	1.0600e-003	0.1230	7.1000e-004	0.1237	0.0326	6.5000e-004	0.0333		106.8903	106.8903	2.5100e-003	2.3600e-003	107.6566

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

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	64.5121					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3961	2.9639	4.7130	7.6200e-003		0.1310	0.1310		0.1302	0.1302	0.0000	725.5159	725.5159	0.0843		727.6232
Total	64.9082	2.9639	4.7130	7.6200e-003		0.1310	0.1310		0.1302	0.1302	0.0000	725.5159	725.5159	0.0843		727.6232

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	0.0328	0.0219	0.3694	1.0600e-003	0.0374	7.1000e-004	0.0382	0.0116	6.5000e-004	0.0123		106.8903	106.8903	2.5100e-003	2.3600e-003	107.6566
Total	0.0328	0.0219	0.3694	1.0600e-003	0.0374	7.1000e-004	0.0382	0.0116	6.5000e-004	0.0123		106.8903	106.8903	2.5100e-003	2.3600e-003	107.6566

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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	0.7889	0.8637	8.8098	0.0203	2.1347	0.0142	2.1488	0.5686	0.0132	0.5818		2,071.442 2	2,071.442 2	0.1271	0.0790	2,098.159 6
Unmitigated	0.7889	0.8637	8.8098	0.0203	2.1347	0.0142	2.1488	0.5686	0.0132	0.5818		2,071.442 2	2,071.442 2	0.1271	0.0790	2,098.159 6

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	220.67	220.67	220.67	1,013,919	1,013,919
Total	220.67	220.67	220.67	1,013,919	1,013,919

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	100	0	0

4.4 Fleet Mix

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

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Unrefrigerated Warehouse-No Rail	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352

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	2.6300e-003	0.0239	0.0201	1.4000e-004		1.8200e-003	1.8200e-003		1.8200e-003	1.8200e-003		28.7169	28.7169	5.5000e-004	5.3000e-004	28.8876
NaturalGas Unmitigated	2.6300e-003	0.0239	0.0201	1.4000e-004		1.8200e-003	1.8200e-003		1.8200e-003	1.8200e-003		28.7169	28.7169	5.5000e-004	5.3000e-004	28.8876

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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

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	244.094	2.6300e-003	0.0239	0.0201	1.4000e-004		1.8200e-003	1.8200e-003		1.8200e-003	1.8200e-003		28.7169	28.7169	5.5000e-004	5.3000e-004	28.8876
Total		2.6300e-003	0.0239	0.0201	1.4000e-004		1.8200e-003	1.8200e-003		1.8200e-003	1.8200e-003		28.7169	28.7169	5.5000e-004	5.3000e-004	28.8876

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0.244094	2.6300e-003	0.0239	0.0201	1.4000e-004		1.8200e-003	1.8200e-003		1.8200e-003	1.8200e-003		28.7169	28.7169	5.5000e-004	5.3000e-004	28.8876
Total		2.6300e-003	0.0239	0.0201	1.4000e-004		1.8200e-003	1.8200e-003		1.8200e-003	1.8200e-003		28.7169	28.7169	5.5000e-004	5.3000e-004	28.8876

6.0 Area Detail

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

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	2.3269	1.2000e-004	0.0133	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0284	0.0284	7.0000e-005		0.0303
Unmitigated	2.3269	1.2000e-004	0.0133	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0284	0.0284	7.0000e-005		0.0303

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	0.2651					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.0606					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.2200e-003	1.2000e-004	0.0133	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0284	0.0284	7.0000e-005		0.0303
Total	2.3269	1.2000e-004	0.0133	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0284	0.0284	7.0000e-005		0.0303

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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	0.2651					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.0606					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.2200e-003	1.2000e-004	0.0133	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0284	0.0284	7.0000e-005		0.0303
Total	2.3269	1.2000e-004	0.0133	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0284	0.0284	7.0000e-005		0.0303

7.0 Water Detail

7.1 Mitigation Measures Water

18618 Oxnard - Future - Los Angeles-South Coast County, Summer

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
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

18618 Oxnard - Future - Los Angeles-South Coast County, Winter

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

**18618 Oxnard - Future
Los Angeles-South Coast County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	103.60	1000sqft	0.90	103,598.00	0
Parking Lot	26.35	1000sqft	0.60	26,350.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	12			Operational Year	2024
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	691.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Applicant info

Land Use - Applicant info and zimas.lacity.org

Construction Phase - Applicant info

Off-road Equipment - Consultant assumptions

Off-road Equipment - Consultant assumptions

Off-road Equipment - Consultant assumptions

Off-road Equipment - Consultant assumptions

Off-road Equipment -

Trips and VMT - Assumes 14CY grading haul truck capacity.

Demolition - Assumes ~1acre parking lot demo and 1CY asphalt equals 773lbs. Assumes 1CY C&D debris equals 484lbs. (EPA).

Grading - Applicant info

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

Vehicle Trips - Trip rate per VMT Screening Evaluation

Construction Off-road Equipment Mitigation - Assumes SCAQMD Rule 403 control efficiencies for trackout reduction.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	80
tblConstructionPhase	NumDays	10.00	15.00
tblConstructionPhase	NumDays	200.00	241.00
tblConstructionPhase	NumDays	20.00	35.00
tblConstructionPhase	NumDays	4.00	23.00
tblConstructionPhase	NumDays	10.00	8.00
tblGrading	AcresOfGrading	11.50	0.96
tblGrading	MaterialExported	0.00	600.00
tblLandUse	LandUseSquareFeet	103,600.00	103,598.00
tblLandUse	LotAcreage	2.38	0.90
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblTripsAndVMT	HaulingTripLength	20.00	40.00
tblTripsAndVMT	HaulingTripLength	20.00	40.00
tblTripsAndVMT	HaulingTripNumber	75.00	86.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00

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

tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.74	2.13
tblVehicleTrips	SU_TR	1.74	2.13
tblVehicleTrips	WD_TR	1.74	2.13

2.0 Emissions Summary

18618 Oxnard - Future - Los Angeles-South Coast County, 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					
2023	1.0450	13.4267	8.8269	0.0336	6.2895	0.4697	6.7593	3.3750	0.4324	3.8074	0.0000	3,537.539 2	3,537.539 2	0.5428	0.3763	3,662.116 9
2024	64.9436	7.2507	9.2269	0.0209	0.7493	0.2819	1.0110	0.2018	0.2602	0.4465	0.0000	2,047.865 6	2,047.865 6	0.4145	0.0724	2,078.067 6
Maximum	64.9436	13.4267	9.2269	0.0336	6.2895	0.4697	6.7593	3.3750	0.4324	3.8074	0.0000	3,537.539 2	3,537.539 2	0.5428	0.3763	3,662.116 9

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	1.0450	13.4267	8.8269	0.0336	2.8101	0.4697	3.2799	1.5169	0.4324	1.9492	0.0000	3,537.539 2	3,537.539 2	0.5428	0.3763	3,662.116 9
2024	64.9436	7.2507	9.2269	0.0209	0.2451	0.2819	0.5068	0.0780	0.2602	0.3227	0.0000	2,047.865 6	2,047.865 6	0.4145	0.0724	2,078.067 6
Maximum	64.9436	13.4267	9.2269	0.0336	2.8101	0.4697	3.2799	1.5169	0.4324	1.9492	0.0000	3,537.539 2	3,537.539 2	0.5428	0.3763	3,662.116 9

18618 Oxnard - Future - Los Angeles-South Coast County, 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	56.59	0.00	51.27	55.41	0.00	46.59	0.00	0.00	0.00	0.00	0.00	0.00

18618 Oxnard - Future - Los Angeles-South Coast County, 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	2.3269	1.2000e-004	0.0133	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0284	0.0284	7.0000e-005		0.0303
Energy	2.6300e-003	0.0239	0.0201	1.4000e-004		1.8200e-003	1.8200e-003		1.8200e-003	1.8200e-003		28.7169	28.7169	5.5000e-004	5.3000e-004	28.8876
Mobile	0.7785	0.9326	8.5391	0.0194	2.1347	0.0142	2.1488	0.5686	0.0132	0.5818		1,983.0754	1,983.0754	0.1297	0.0824	2,010.8716
Total	3.1080	0.9566	8.5724	0.0196	2.1347	0.0161	2.1507	0.5686	0.0150	0.5837		2,011.8207	2,011.8207	0.1303	0.0829	2,039.7895

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	2.3269	1.2000e-004	0.0133	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0284	0.0284	7.0000e-005		0.0303
Energy	2.6300e-003	0.0239	0.0201	1.4000e-004		1.8200e-003	1.8200e-003		1.8200e-003	1.8200e-003		28.7169	28.7169	5.5000e-004	5.3000e-004	28.8876
Mobile	0.7785	0.9326	8.5391	0.0194	2.1347	0.0142	2.1488	0.5686	0.0132	0.5818		1,983.0754	1,983.0754	0.1297	0.0824	2,010.8716
Total	3.1080	0.9566	8.5724	0.0196	2.1347	0.0161	2.1507	0.5686	0.0150	0.5837		2,011.8207	2,011.8207	0.1303	0.0829	2,039.7895

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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	Demolition	Demolition	5/8/2023	6/23/2023	5	35	
2	Grading	Grading	6/26/2023	7/26/2023	5	23	
3	Building Construction	Building Construction	7/27/2023	6/27/2024	5	241	
4	Paving	Paving	6/28/2024	7/9/2024	5	8	
5	Architectural Coating	Architectural Coating	7/10/2024	7/30/2024	5	15	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0.96

Acres of Paving: 0.6

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 155,397; Non-Residential Outdoor: 51,799; Striped Parking Area: 1,581 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	0	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40

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

Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Aerial Lifts	1	8.00	63	0.31
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Aerial Lifts	1	8.00	63	0.31
Architectural Coating	Air Compressors	2	6.00	78	0.48

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
Demolition	2	5.00	0.00	657.00	14.70	6.90	40.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	86.00	14.70	6.90	40.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	55.00	21.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	3	11.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

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

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.0646	0.0000	4.0646	0.6154	0.0000	0.6154			0.0000			0.0000
Off-Road	0.8360	8.6628	5.3377	0.0117		0.3967	0.3967		0.3650	0.3650		1,128.577 2	1,128.577 2	0.3650		1,137.702 3
Total	0.8360	8.6628	5.3377	0.0117	4.0646	0.3967	4.4613	0.6154	0.3650	0.9804		1,128.577 2	1,128.577 2	0.3650		1,137.702 3

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	0.0586	4.7515	1.0362	0.0215	0.6568	0.0308	0.6875	0.1800	0.0294	0.2095		2,361.594 3	2,361.594 3	0.1313	0.3751	2,476.647 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	0.0172	0.0123	0.1661	4.7000e-004	0.0559	3.4000e-004	0.0562	0.0148	3.1000e-004	0.0151		47.3677	47.3677	1.2800e-003	1.2300e-003	47.7670
Total	0.0757	4.7638	1.2023	0.0220	0.7127	0.0311	0.7437	0.1949	0.0297	0.2246		2,408.962 0	2,408.962 0	0.1326	0.3763	2,524.414 6

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

3.2 Demolition - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.8291	0.0000	1.8291	0.2769	0.0000	0.2769			0.0000			0.0000
Off-Road	0.8360	8.6628	5.3377	0.0117		0.3967	0.3967		0.3650	0.3650	0.0000	1,128.577 2	1,128.577 2	0.3650		1,137.702 3
Total	0.8360	8.6628	5.3377	0.0117	1.8291	0.3967	2.2258	0.2769	0.3650	0.6419	0.0000	1,128.577 2	1,128.577 2	0.3650		1,137.702 3

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	0.0586	4.7515	1.0362	0.0215	0.2597	0.0308	0.2904	0.0826	0.0294	0.1120		2,361.594 3	2,361.594 3	0.1313	0.3751	2,476.647 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	0.0172	0.0123	0.1661	4.7000e-004	0.0170	3.4000e-004	0.0174	5.2800e-003	3.1000e-004	5.5900e-003		47.3677	47.3677	1.2800e-003	1.2300e-003	47.7670
Total	0.0757	4.7638	1.2023	0.0220	0.2767	0.0311	0.3078	0.0878	0.0297	0.1176		2,408.962 0	2,408.962 0	0.1326	0.3763	2,524.414 6

18618 Oxnard - Future - Los Angeles-South Coast County, Winter

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

3.3 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.0693	0.0000	6.0693	3.3155	0.0000	3.3155			0.0000			0.0000
Off-Road	1.0058	10.0195	8.3165	0.0164		0.4631	0.4631		0.4260	0.4260		1,590.9858	1,590.9858	0.5146		1,603.8497
Total	1.0058	10.0195	8.3165	0.0164	6.0693	0.4631	6.5324	3.3155	0.4260	3.7415		1,590.9858	1,590.9858	0.5146		1,603.8497

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	0.0117	0.9465	0.2064	4.2800e-003	0.1308	6.1300e-003	0.1370	0.0359	5.8600e-003	0.0417		470.4122	470.4122	0.0262	0.0747	493.3300
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	0.0275	0.0197	0.2658	7.5000e-004	0.0894	5.4000e-004	0.0900	0.0237	5.0000e-004	0.0242		75.7883	75.7883	2.0500e-003	1.9700e-003	76.4271
Total	0.0392	0.9662	0.4722	5.0300e-003	0.2202	6.6700e-003	0.2269	0.0596	6.3600e-003	0.0659		546.2005	546.2005	0.0282	0.0767	569.7571

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

3.3 Grading - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7312	0.0000	2.7312	1.4920	0.0000	1.4920			0.0000			0.0000
Off-Road	1.0058	10.0195	8.3165	0.0164		0.4631	0.4631		0.4260	0.4260	0.0000	1,590.985 8	1,590.985 8	0.5146		1,603.849 7
Total	1.0058	10.0195	8.3165	0.0164	2.7312	0.4631	3.1943	1.4920	0.4260	1.9180	0.0000	1,590.985 8	1,590.985 8	0.5146		1,603.849 7

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	0.0117	0.9465	0.2064	4.2800e-003	0.0517	6.1300e-003	0.0579	0.0165	5.8600e-003	0.0223		470.4122	470.4122	0.0262	0.0747	493.3300
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	0.0275	0.0197	0.2658	7.5000e-004	0.0272	5.4000e-004	0.0278	8.4500e-003	5.0000e-004	8.9400e-003		75.7883	75.7883	2.0500e-003	1.9700e-003	76.4271
Total	0.0392	0.9662	0.4722	5.0300e-003	0.0790	6.6700e-003	0.0856	0.0249	6.3600e-003	0.0313		546.2005	546.2005	0.0282	0.0767	569.7571

18618 Oxnard - Future - Los Angeles-South Coast County, Winter

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

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7431	6.6870	6.6778	0.0121		0.2852	0.2852		0.2668	0.2668		1,126.4175	1,126.4175	0.3198		1,134.4135
Total	0.7431	6.6870	6.6778	0.0121		0.2852	0.2852		0.2668	0.2668		1,126.4175	1,126.4175	0.3198		1,134.4135

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	0.0234	0.8439	0.3221	3.9200e-003	0.1345	4.0800e-003	0.1386	0.0387	3.9000e-003	0.0426		421.3026	421.3026	0.0140	0.0606	439.7213
Worker	0.1891	0.1355	1.8270	5.1500e-003	0.6148	3.7000e-003	0.6185	0.1630	3.4000e-003	0.1664		521.0445	521.0445	0.0141	0.0136	525.4365
Total	0.2125	0.9795	2.1491	9.0700e-003	0.7493	7.7800e-003	0.7571	0.2018	7.3000e-003	0.2091		942.3471	942.3471	0.0281	0.0742	965.1578

18618 Oxnard - Future - Los Angeles-South Coast County, Winter

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

3.4 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7431	6.6870	6.6778	0.0121		0.2852	0.2852		0.2668	0.2668	0.0000	1,126.4175	1,126.4175	0.3198		1,134.4135
Total	0.7431	6.6870	6.6778	0.0121		0.2852	0.2852		0.2668	0.2668	0.0000	1,126.4175	1,126.4175	0.3198		1,134.4135

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	0.0234	0.8439	0.3221	3.9200e-003	0.0579	4.0800e-003	0.0620	0.0199	3.9000e-003	0.0238		421.3026	421.3026	0.0140	0.0606	439.7213
Worker	0.1891	0.1355	1.8270	5.1500e-003	0.1872	3.7000e-003	0.1909	0.0581	3.4000e-003	0.0615		521.0445	521.0445	0.0141	0.0136	525.4365
Total	0.2125	0.9795	2.1491	9.0700e-003	0.2451	7.7800e-003	0.2529	0.0780	7.3000e-003	0.0853		942.3471	942.3471	0.0281	0.0742	965.1578

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

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6979	6.2841	6.6187	0.0121		0.2541	0.2541		0.2375	0.2375		1,126.5513	1,126.5513	0.3184		1,134.5118
Total	0.6979	6.2841	6.6187	0.0121		0.2541	0.2541		0.2375	0.2375		1,126.5513	1,126.5513	0.3184		1,134.5118

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	0.0226	0.8457	0.3153	3.8500e-003	0.1345	4.1000e-003	0.1386	0.0387	3.9200e-003	0.0427		414.9901	414.9901	0.0141	0.0598	433.1570
Worker	0.1768	0.1210	1.6992	5.0100e-003	0.6148	3.5400e-003	0.6183	0.1630	3.2600e-003	0.1663		506.3243	506.3243	0.0127	0.0126	510.3988
Total	0.1994	0.9666	2.0146	8.8600e-003	0.7493	7.6400e-003	0.7569	0.2018	7.1800e-003	0.2090		921.3144	921.3144	0.0268	0.0724	943.5558

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

3.4 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6979	6.2841	6.6187	0.0121		0.2541	0.2541		0.2375	0.2375	0.0000	1,126.5513	1,126.5513	0.3184		1,134.5118
Total	0.6979	6.2841	6.6187	0.0121		0.2541	0.2541		0.2375	0.2375	0.0000	1,126.5513	1,126.5513	0.3184		1,134.5118

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	0.0226	0.8457	0.3153	3.8500e-003	0.0579	4.1000e-003	0.0620	0.0199	3.9200e-003	0.0239		414.9901	414.9901	0.0141	0.0598	433.1570
Worker	0.1768	0.1210	1.6992	5.0100e-003	0.1872	3.5400e-003	0.1907	0.0581	3.2600e-003	0.0614		506.3243	506.3243	0.0127	0.0126	510.3988
Total	0.1994	0.9666	2.0146	8.8600e-003	0.2451	7.6400e-003	0.2527	0.0780	7.1800e-003	0.0852		921.3144	921.3144	0.0268	0.0724	943.5558

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

3.5 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6180	5.8607	8.8253	0.0136		0.2810	0.2810		0.2594	0.2594		1,297.8688	1,297.8688	0.4114		1,308.1547
Paving	0.1965					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8145	5.8607	8.8253	0.0136		0.2810	0.2810		0.2594	0.2594		1,297.8688	1,297.8688	0.4114		1,308.1547

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	0.0418	0.0286	0.4016	1.1800e-003	0.1453	8.4000e-004	0.1462	0.0385	7.7000e-004	0.0393		119.6767	119.6767	3.0100e-003	2.9800e-003	120.6397
Total	0.0418	0.0286	0.4016	1.1800e-003	0.1453	8.4000e-004	0.1462	0.0385	7.7000e-004	0.0393		119.6767	119.6767	3.0100e-003	2.9800e-003	120.6397

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

3.5 Paving - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6180	5.8607	8.8253	0.0136		0.2810	0.2810		0.2594	0.2594	0.0000	1,297.8688	1,297.8688	0.4114		1,308.1547
Paving	0.1965					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8145	5.8607	8.8253	0.0136		0.2810	0.2810		0.2594	0.2594	0.0000	1,297.8688	1,297.8688	0.4114		1,308.1547

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	0.0418	0.0286	0.4016	1.1800e-003	0.0443	8.4000e-004	0.0451	0.0137	7.7000e-004	0.0145		119.6767	119.6767	3.0100e-003	2.9800e-003	120.6397
Total	0.0418	0.0286	0.4016	1.1800e-003	0.0443	8.4000e-004	0.0451	0.0137	7.7000e-004	0.0145		119.6767	119.6767	3.0100e-003	2.9800e-003	120.6397

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

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	64.5121					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3961	2.9639	4.7130	7.6200e-003		0.1310	0.1310		0.1302	0.1302		725.5160	725.5160	0.0843		727.6232
Total	64.9082	2.9639	4.7130	7.6200e-003		0.1310	0.1310		0.1302	0.1302		725.5160	725.5160	0.0843		727.6232

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	0.0354	0.0242	0.3399	1.0000e-003	0.1230	7.1000e-004	0.1237	0.0326	6.5000e-004	0.0333		101.2649	101.2649	2.5500e-003	2.5200e-003	102.0798
Total	0.0354	0.0242	0.3399	1.0000e-003	0.1230	7.1000e-004	0.1237	0.0326	6.5000e-004	0.0333		101.2649	101.2649	2.5500e-003	2.5200e-003	102.0798

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

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	64.5121					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3961	2.9639	4.7130	7.6200e-003		0.1310	0.1310		0.1302	0.1302	0.0000	725.5159	725.5159	0.0843		727.6232
Total	64.9082	2.9639	4.7130	7.6200e-003		0.1310	0.1310		0.1302	0.1302	0.0000	725.5159	725.5159	0.0843		727.6232

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	0.0354	0.0242	0.3399	1.0000e-003	0.0374	7.1000e-004	0.0382	0.0116	6.5000e-004	0.0123		101.2649	101.2649	2.5500e-003	2.5200e-003	102.0798
Total	0.0354	0.0242	0.3399	1.0000e-003	0.0374	7.1000e-004	0.0382	0.0116	6.5000e-004	0.0123		101.2649	101.2649	2.5500e-003	2.5200e-003	102.0798

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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	0.7785	0.9326	8.5391	0.0194	2.1347	0.0142	2.1488	0.5686	0.0132	0.5818		1,983.075 4	1,983.075 4	0.1297	0.0824	2,010.871 6
Unmitigated	0.7785	0.9326	8.5391	0.0194	2.1347	0.0142	2.1488	0.5686	0.0132	0.5818		1,983.075 4	1,983.075 4	0.1297	0.0824	2,010.871 6

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	220.67	220.67	220.67	1,013,919	1,013,919
Total	220.67	220.67	220.67	1,013,919	1,013,919

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	100	0	0

4.4 Fleet Mix

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

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Unrefrigerated Warehouse-No Rail	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352

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	2.6300e-003	0.0239	0.0201	1.4000e-004		1.8200e-003	1.8200e-003		1.8200e-003	1.8200e-003		28.7169	28.7169	5.5000e-004	5.3000e-004	28.8876
NaturalGas Unmitigated	2.6300e-003	0.0239	0.0201	1.4000e-004		1.8200e-003	1.8200e-003		1.8200e-003	1.8200e-003		28.7169	28.7169	5.5000e-004	5.3000e-004	28.8876

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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

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	244.094	2.6300e-003	0.0239	0.0201	1.4000e-004		1.8200e-003	1.8200e-003		1.8200e-003	1.8200e-003		28.7169	28.7169	5.5000e-004	5.3000e-004	28.8876
Total		2.6300e-003	0.0239	0.0201	1.4000e-004		1.8200e-003	1.8200e-003		1.8200e-003	1.8200e-003		28.7169	28.7169	5.5000e-004	5.3000e-004	28.8876

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0.244094	2.6300e-003	0.0239	0.0201	1.4000e-004		1.8200e-003	1.8200e-003		1.8200e-003	1.8200e-003		28.7169	28.7169	5.5000e-004	5.3000e-004	28.8876
Total		2.6300e-003	0.0239	0.0201	1.4000e-004		1.8200e-003	1.8200e-003		1.8200e-003	1.8200e-003		28.7169	28.7169	5.5000e-004	5.3000e-004	28.8876

6.0 Area Detail

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

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	2.3269	1.2000e-004	0.0133	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0284	0.0284	7.0000e-005		0.0303
Unmitigated	2.3269	1.2000e-004	0.0133	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0284	0.0284	7.0000e-005		0.0303

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	0.2651					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.0606					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.2200e-003	1.2000e-004	0.0133	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0284	0.0284	7.0000e-005		0.0303
Total	2.3269	1.2000e-004	0.0133	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0284	0.0284	7.0000e-005		0.0303

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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	0.2651					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.0606					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.2200e-003	1.2000e-004	0.0133	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0284	0.0284	7.0000e-005		0.0303
Total	2.3269	1.2000e-004	0.0133	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0284	0.0284	7.0000e-005		0.0303

7.0 Water Detail

7.1 Mitigation Measures Water

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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
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation
