

August 25, 2021

Mr. Matt Enghard
Proficiency Rubidoux, LLC
11777 San Vicente Boulevard, Suite 780
Los Angeles, CA 90049

SUBJECT: RUBIDOUX WAREHOUSE AIR QUALITY & GREENHOUSE GAS ASSESSMENT EVALUATION

Dear Mr. Matt Enghard:

Urban Crossroads, Inc. is pleased to provide the following Air Quality & Greenhouse Gas Assessment Evaluation (referred to as **Memo**) for Rubidoux Warehouse development which is located west of Avalon Street at 26th Street in the City of Jurupa Valley.

BACKGROUND

In May 2021, the SCAQMD, in conjunction with the California Air Pollution Control Officers Association (CAPCOA) and other California air districts, released the latest version of the CalEEMod Version 2020.4.0. The purpose of this model is to calculate construction-source and operational-source criteria pollutant (VOCs, NO_x, SO_x, CO, PM₁₀, and PM_{2.5}) and GHG emissions from direct and indirect sources; and quantify applicable air quality and GHG reductions achieved from MMs (1).

The previously completed *Rubidoux Warehouse Air Quality Impact Analysis* (dated December 18, 2020) and *Rubidoux Warehouse Greenhouse Gas Analysis* (dated December 18, 2020) (referred to herein as “technical studies”) were prepared before the release of CalEEMod Version 2020.4.0. Accordingly, the latest version of CalEEMod has been used for this Project to determine construction and operational emissions. Output from the model runs for both construction and operational activity are provided in Attachments A and B.

The purpose of this work effort is to demonstrate if the proposed Project is anticipated to generate air quality, greenhouse gas, or energy, impacts that are not already disclosed in the technical studies.

As shown on Tables 1 through 5, use of CalEEMod 2020.4.0 would not result in any substantive change to the emissions quantification or the findings and conclusions previously made in the technical studies.

PROJECT AIR QUALITY EMISSIONS SUMMARY

REGIONAL EMISSIONS SUMMARY

TABLE 1: PROPOSED PROJECT CALCEEMOD 2020 REGIONAL CONSTRUCTION EMISSIONS

Year	Emissions (lbs/day)					
	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Summer						
2021	5.42	61.02	33.07	0.09	14.03	6.81
2022	41.26	60.77	99.83	0.33	25.52	8.09
2023	41.96	61.18	108.23	0.35	25.83	8.26
Winter						
2021	5.41	61.26	32.92	0.09	14.03	6.81
2022	40.76	62.26	86.66	0.32	25.52	8.10
2023	41.50	62.48	96.08	0.33	25.83	8.26
Maximum Daily Emissions	41.96	62.48	108.23	0.35	25.83	8.26
SCAQMD Regional Threshold	75	100	550	150	150	55
Threshold Exceeded?	NO	NO	NO	NO	NO	NO

TABLE 2: PROPOSED PROJECT CALCEEMOD 2020 OPERATIONAL EMISSIONS (1 OF 2)

Source	Emissions (lbs/day)					
	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Summer						
Area Source	30.04	4.26E-03	0.47	3.00E-05	1.67E-03	1.67E-03
Energy Source	0.11	1.01	0.85	0.01	0.08	0.08
Mobile Source (Passenger Cars)	4.32	4.02	64.39	0.19	21.05	5.64
Mobile Source (Trucks)	1.60	82.69	18.84	0.50	19.28	6.08
On-Site Equipment Source	0.66	6.22	4.50	0.02	0.23	0.21
Total Maximum Daily Emissions	36.73	93.94	89.04	0.72	40.64	12.01
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	NO	YES	NO	NO	NO	NO

TABLE 2: PROPOSED PROJECT CALEEMOD 2020 OPERATIONAL EMISSIONS (2 OF 2)

Source	Emissions (lbs/day)					
	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Winter						
Area Source	30.04	4.26E-03	0.47	3.00E-05	1.67E-03	1.67E-03
Energy Source	0.11	1.01	0.85	0.01	0.08	0.08
Mobile Source (Passenger Cars)	3.50	4.17	53.34	0.17	21.05	5.64
Mobile Source (Trucks)	1.53	87.29	19.03	0.50	19.28	6.08
On-Site Equipment Source	0.66	6.22	4.50	0.02	0.23	0.21
Total Maximum Daily Emissions	35.83	98.69	78.18	0.70	40.64	12.01
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	NO	YES	NO	NO	NO	NO

LOCALIZED EMISSIONS SUMMARY

TABLE 3: PROPOSED PROJECT CALEEMOD 2020 LOCALIZED SIGNIFICANCE SUMMARY OF CONSTRUCTION

On-Site Emissions	Emissions (lbs/day)			
	NO _x	CO	PM ₁₀	PM _{2.5}
Site Preparation				
Maximum Daily Emissions	31.44	21.57	1.74	1.47
SCAQMD Localized Threshold	270	1,577	13	8
Threshold Exceeded?	NO	NO	NO	NO
Grading				
Maximum Daily Emissions	56.54	31.23	12.92	4.29
SCAQMD Localized Threshold	270	1,577	13	8
Threshold Exceeded?	NO	NO	NO	NO

TABLE 4: PROPOSED PROJECT CAL EEMOD 2020 LOCALIZED SIGNIFICANCE SUMMARY OF OPERATIONS

On-Site Emissions	Emissions (lbs/day)			
	NO _x	CO	PM ₁₀	PM _{2.5}
Maximum Daily Emissions	11.80	9.97	2.32	0.87
SCAQMD Localized Threshold	270	1,577	4	2
Threshold Exceeded?	NO	NO	NO	NO

COMPARISON TO PREVIOUS TECHNICAL STUDY

TABLE 5: REGIONAL CONSTRUCTION EMISSIONS (PROPOSED PROJECT VS. PREVIOUS TECHNICAL STUDY)

Year	Emissions (lbs/day)					
	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Proposed Project CalEEMod 2020	41.96	62.48	108.23	0.35	25.83	8.26
Previous Technical Study	43.18	86.71	98.89	0.39	25.72	8.16
Net Emissions (Proposed – Previous)	-1.22	-24.23	9.34	-0.04	0.11	0.10

TABLE 6: REGIONAL OPERATIONAL EMISSIONS (PROPOSED PROJECT VS. PREVIOUS TECHNICAL STUDY)

Year	Emissions (lbs/day)					
	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Summer						
Proposed Project CalEEMod 2020	36.73	93.94	89.04	0.72	40.64	12.01
Previous Technical Study	37.35	93.95	84.30	0.72	41.05	12.03
Net Emissions (Proposed – Previous)	-0.62	-0.01	4.74	0.00	-0.41	-0.02
Winter						
Proposed Project CalEEMod 2020	35.83	98.69	78.18	0.70	40.64	12.01
Previous Technical Study	37.03	97.60	73.45	0.70	41.02	12.02
Net Emissions (Proposed – Previous)	-1.20	1.09	4.73	0.00	-0.38	-0.01

TABLE 7: LOCALIZED CONSTRUCTION EMISSIONS (PROPOSED PROJECT VS. PREVIOUS TECHNICAL STUDY)

On-Site Emissions	Emissions (lbs/day)			
	NO _x	CO	PM ₁₀	PM _{2.5}
Site Preparation				
Proposed Project CalEEMod 2020	31.44	21.57	1.74	1.47
Previous Technical Study	60.79	21.85	13.83	6.75
Net Emissions (Proposed – Previous)	-29.35	-0.28	-12.09	-5.28
Grading				
Proposed Project CalEEMod 2020	56.54	31.23	12.92	4.29
Previous Technical Study	56.54	31.23	12.92	4.29
Net Emissions (Proposed – Previous)	0.00	0.00	0.00	0.00

TABLE 8: LOCALIZED OPERATIONAL EMISSIONS (PROPOSED PROJECT VS. PREVIOUS TECHNICAL STUDY)

On-Site Emissions	Emissions (lbs/day)			
	NO _x	CO	PM ₁₀	PM _{2.5}
Proposed Project CalEEMod 2020	11.80	9.97	2.32	0.87
Previous Technical Study	11.52	9.54	2.32	0.86
Net Emissions (Proposed – Previous)	0.28	0.43	0.00	0.01

PROJECT GHG ANALYSIS

TABLE 9: PROPOSED PROJECT CAL EEMOD 2020 GHG EMISSIONS

Emission Source	Emissions (MT/yr)			
	CO ₂	CH ₄	N ₂ O	Total CO ₂ e
Annual construction-related emissions amortized over 30 years	197.98	0.02	0.01	201.89
Area Source	0.11	3.00E-04	0.00	0.12
Energy Source	804.69	0.05	0.01	809.00
Mobile Source (Passenger Cars)	2,959.40	0.07	0.08	2,984.48
Mobile Source (Trucks)	8,781.99	0.11	1.32	9,177.80
On-Site Equipment	304.51	0.10	0.00	306.97
Waste	250.21	14.79	0.00	619.89
Water Usage	789.19	9.85	0.24	1,106.44
Total CO₂e (All Sources)	15,206.59			

COMPARISON TO PREVIOUS TECHNICAL STUDY

TABLE 10: GHG EMISSIONS (PROPOSED PROJECT VS. PREVIOUS TECHNICAL STUDY)

Emission Source	Emissions (MT/yr)
	Total CO ₂ e
Proposed Project CalEEMod 2020	15,206.59
Previous Technical Study	15,702.57
Net Emissions (Proposed – Previous)	-495.98

ATTACHMENT A:

CALEEMOD CONSTRUCTION EMISSIONS MODEL OUTPUTS

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Rubidoux Warehouse (Construction - Unmitigated)

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	37.45	1000sqft	0.86	37,454.00	0
Unrefrigerated Warehouse-No Rail	1,261.90	1000sqft	28.96	1,261,904.00	0
Other Asphalt Surfaces	915.62	1000sqft	21.02	915,621.00	0
Other Non-Asphalt Surfaces	1,010.84	1000sqft	23.20	1,010,835.00	0
Parking Lot	1,357.00	Space	7.26	316,256.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Total Project Area is 81.30 acres

Construction Phase - Construction Schedule based on the 2023 Opening Year

Off-road Equipment - Hours are based on an 8-hour workday

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes

Off-road Equipment -

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Demolition -

Grading - For purposes of analysis, it is assumed that up to 10 acres can be graded per day during site preparation activities and 20 acres per day for grading activities

Architectural Coating - Rule 1113

Vehicle Trips - Construction run only

Energy Use - Construction run only

Water And Wastewater - Construction run only

Solid Waste - Construction run only

Construction Off-road Equipment Mitigation - Rule 403

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblConstructionPhase	NumDays	100.00	20.00
tblConstructionPhase	NumDays	60.00	50.00
tblConstructionPhase	NumDays	155.00	190.00
tblConstructionPhase	NumDays	1,550.00	345.00
tblConstructionPhase	NumDays	110.00	220.00
tblEnergyUse	LightingElect	2.93	0.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	LightingElect	1.17	0.00
tblEnergyUse	NT24E	5.02	0.00
tblEnergyUse	NT24E	0.82	0.00
tblEnergyUse	NT24NG	17.13	0.00
tblEnergyUse	NT24NG	0.03	0.00
tblEnergyUse	T24E	1.97	0.00
tblEnergyUse	T24E	0.33	0.00
tblEnergyUse	T24NG	15.20	0.00
tblEnergyUse	T24NG	1.98	0.00
tblGrading	AcresOfGrading	760.00	3,800.00

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblGrading	AcresOfGrading	175.00	500.00
tblGrading	MaterialImported	0.00	45,465.00
tblLandUse	LandUseSquareFeet	1,261,900.00	1,261,904.00
tblLandUse	LandUseSquareFeet	1,010,840.00	1,010,835.00
tblLandUse	LandUseSquareFeet	542,800.00	316,256.00
tblLandUse	LotAcreage	28.97	28.96
tblLandUse	LotAcreage	23.21	23.20
tblLandUse	LotAcreage	12.21	7.26
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblSolidWaste	SolidWasteGenerationRate	46.44	0.00
tblSolidWaste	SolidWasteGenerationRate	1,186.19	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	0.00
tblVehicleTrips	PR_TP	92.00	0.00
tblVehicleTrips	ST_TR	1.99	0.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	5.00	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	4.96	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	IndoorWaterUseRate	8,660,312.50	0.00
tblWater	IndoorWaterUseRate	291,814,375.00	0.00

2.0 Emissions Summary

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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					
2021	5.4195	61.0173	33.0660	0.0913	28.8725	2.6471	31.5195	11.1291	2.4353	13.5644	0.0000	9,020.2723	9,020.2723	2.2709	0.3019	9,167.0101
2022	41.2629	60.7711	99.8306	0.3342	28.0095	1.9536	29.9631	6.3659	1.7989	8.0945	0.0000	34,154.9290	34,154.9290	2.2703	2.1164	34,828.5100
2023	41.9587	61.1810	108.2330	0.3483	23.8522	1.9812	25.8335	6.4103	1.8511	8.2614	0.0000	35,577.0489	35,577.0489	2.3701	2.0131	36,236.2185
Maximum	41.9587	61.1810	108.2330	0.3483	28.8725	2.6471	31.5195	11.1291	2.4353	13.5644	0.0000	35,577.0489	35,577.0489	2.3701	2.1164	36,236.2185

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	5.4195	61.0173	33.0660	0.0913	11.3830	2.6471	14.0301	4.3729	2.4353	6.8082	0.0000	9,020.2723	9,020.2723	2.2709	0.3019	9,167.0101
2022	41.2629	60.7711	99.8306	0.3342	23.6847	1.9536	25.5216	6.3659	1.7989	8.0945	0.0000	34,154.9290	34,154.9290	2.2703	2.1164	34,828.5100
2023	41.9587	61.1810	108.2330	0.3483	23.8522	1.9812	25.8335	6.4103	1.8511	8.2614	0.0000	35,577.0489	35,577.0489	2.3701	2.0131	36,236.2185
Maximum	41.9587	61.1810	108.2330	0.3483	23.8522	2.6471	25.8335	6.4103	2.4353	8.2614	0.0000	35,577.0489	35,577.0489	2.3701	2.1164	36,236.2185

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	27.02	0.00	25.12	28.26	0.00	22.58	0.00	0.00	0.00	0.00	0.00	0.00

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	30.0359	4.2600e-003	0.4678	3.0000e-005		1.6700e-003	1.6700e-003		1.6700e-003	1.6700e-003		1.0030	1.0030	2.6300e-003		1.0687
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	30.0359	4.2600e-003	0.4678	3.0000e-005	0.0000	1.6700e-003	1.6700e-003	0.0000	1.6700e-003	1.6700e-003		1.0030	1.0030	2.6300e-003	0.0000	1.0687

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	30.0359	4.2600e-003	0.4678	3.0000e-005		1.6700e-003	1.6700e-003		1.6700e-003	1.6700e-003		1.0030	1.0030	2.6300e-003		1.0687
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	30.0359	4.2600e-003	0.4678	3.0000e-005	0.0000	1.6700e-003	1.6700e-003	0.0000	1.6700e-003	1.6700e-003		1.0030	1.0030	2.6300e-003	0.0000	1.0687

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	5/1/2021	5/28/2021	5	20	
2	Site Preparation	Site Preparation	6/1/2021	8/9/2021	5	50	
3	Grading	Grading	8/10/2021	5/2/2022	5	190	
4	Building Construction	Building Construction	5/3/2022	8/28/2023	5	345	
5	Architectural Coating	Architectural Coating	10/25/2022	8/28/2023	5	220	
6	Paving	Paving	3/28/2023	8/28/2023	5	110	

Acres of Grading (Site Preparation Phase): 500

Acres of Grading (Grading Phase): 3800

Acres of Paving: 51.48

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,949,037; Non-Residential Outdoor: 649,679; Striped Parking Area: 134,563 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Crawler Tractors	4	8.00	212	0.43
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Crawler Tractors	2	8.00	212	0.43
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Crawler Tractors	3	8.00	212	0.43
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	8.00	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	6	15.00	0.00	43.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	5,683.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,488.00	581.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	298.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Water Exposed Area

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					
Fugitive Dust					0.4732	0.0000	0.4732	0.0716	0.0000	0.0716			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	0.4732	1.5513	2.0245	0.0716	1.4411	1.5127		3,747.9449	3,747.9449	1.0549		3,774.3174

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	9.5500e-003	0.3174	0.0695	1.2700e-003	0.0376	5.2200e-003	0.0429	0.0103	5.0000e-003	0.0153		135.2668	135.2668	1.8100e-003	0.0213	141.6604
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	0.0640	0.0435	0.6537	1.5700e-003	0.1677	8.9000e-004	0.1686	0.0445	8.2000e-004	0.0453		159.3674	159.3674	4.2900e-003	4.1500e-003	160.7112
Total	0.0735	0.3609	0.7231	2.8400e-003	0.2053	6.1100e-003	0.2114	0.0548	5.8200e-003	0.0606		294.6343	294.6343	6.1000e-003	0.0255	302.3716

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1845	0.0000	0.1845	0.0279	0.0000	0.0279			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	0.1845	1.5513	1.7359	0.0279	1.4411	1.4690	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	9.5500e-003	0.3174	0.0695	1.2700e-003	0.0376	5.2200e-003	0.0429	0.0103	5.0000e-003	0.0153		135.2668	135.2668	1.8100e-003	0.0213	141.6604
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	0.0640	0.0435	0.6537	1.5700e-003	0.1677	8.9000e-004	0.1686	0.0445	8.2000e-004	0.0453		159.3674	159.3674	4.2900e-003	4.1500e-003	160.7112
Total	0.0735	0.3609	0.7231	2.8400e-003	0.2053	6.1100e-003	0.2114	0.0548	5.8200e-003	0.0606		294.6343	294.6343	6.1000e-003	0.0255	302.3716

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					28.6713	0.0000	28.6713	11.0758	0.0000	11.0758			0.0000			0.0000
Off-Road	5.3428	60.7861	21.8537	0.0570		2.6460	2.6460		2.4343	2.4343		5,523.5047	5,523.5047	1.7864		5,568.1651
Total	5.3428	60.7861	21.8537	0.0570	28.6713	2.6460	31.3173	11.0758	2.4343	13.5101		5,523.5047	5,523.5047	1.7864		5,568.1651

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	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	0.0768	0.0522	0.7844	1.8900e-003	0.2012	1.0700e-003	0.2023	0.0534	9.8000e-004	0.0543		191.2409	191.2409	5.1400e-003	4.9800e-003	192.8534
Total	0.0768	0.0522	0.7844	1.8900e-003	0.2012	1.0700e-003	0.2023	0.0534	9.8000e-004	0.0543		191.2409	191.2409	5.1400e-003	4.9800e-003	192.8534

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					11.1818	0.0000	11.1818	4.3196	0.0000	4.3196			0.0000			0.0000
Off-Road	5.3428	60.7861	21.8537	0.0570		2.6460	2.6460		2.4343	2.4343	0.0000	5,523.5047	5,523.5047	1.7864		5,568.1651
Total	5.3428	60.7861	21.8537	0.0570	11.1818	2.6460	13.8278	4.3196	2.4343	6.7539	0.0000	5,523.5047	5,523.5047	1.7864		5,568.1651

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	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	0.0768	0.0522	0.7844	1.8900e-003	0.2012	1.0700e-003	0.2023	0.0534	9.8000e-004	0.0543		191.2409	191.2409	5.1400e-003	4.9800e-003	192.8534
Total	0.0768	0.0522	0.7844	1.8900e-003	0.2012	1.0700e-003	0.2023	0.0534	9.8000e-004	0.0543		191.2409	191.2409	5.1400e-003	4.9800e-003	192.8534

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					27.2624	0.0000	27.2624	5.6050	0.0000	5.6050			0.0000			0.0000
Off-Road	4.9185	56.5443	31.2281	0.0715		2.2861	2.2861		2.1032	2.1032		6,925.9674	6,925.9674	2.2400		6,981.9673
Total	4.9185	56.5443	31.2281	0.0715	27.2624	2.2861	29.5485	5.6050	2.1032	7.7082		6,925.9674	6,925.9674	2.2400		6,981.9673

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1329	4.4150	0.9663	0.0177	0.5235	0.0726	0.5962	0.1435	0.0695	0.2130		1,881.815 1	1,881.815 1	0.0251	0.2964	1,970.761 2
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	0.0853	0.0580	0.8716	2.1000e-003	0.2236	1.1900e-003	0.2247	0.0593	1.0900e-003	0.0604		212.4899	212.4899	5.7100e-003	5.5300e-003	214.2816
Total	0.2182	4.4730	1.8378	0.0198	0.7471	0.0738	0.8209	0.2028	0.0706	0.2734		2,094.305 0	2,094.305 0	0.0309	0.3019	2,185.042 8

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					10.6323	0.0000	10.6323	2.1860	0.0000	2.1860			0.0000			0.0000
Off-Road	4.9185	56.5443	31.2281	0.0715		2.2861	2.2861		2.1032	2.1032	0.0000	6,925.967 4	6,925.967 4	2.2400		6,981.967 3
Total	4.9185	56.5443	31.2281	0.0715	10.6323	2.2861	12.9184	2.1860	2.1032	4.2892	0.0000	6,925.967 4	6,925.967 4	2.2400		6,981.967 3

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1329	4.4150	0.9663	0.0177	0.5235	0.0726	0.5962	0.1435	0.0695	0.2130		1,881.815 1	1,881.815 1	0.0251	0.2964	1,970.761 2
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	0.0853	0.0580	0.8716	2.1000e-003	0.2236	1.1900e-003	0.2247	0.0593	1.0900e-003	0.0604		212.4899	212.4899	5.7100e-003	5.5300e-003	214.2816
Total	0.2182	4.4730	1.8378	0.0198	0.7471	0.0738	0.8209	0.2028	0.0706	0.2734		2,094.305 0	2,094.305 0	0.0309	0.3019	2,185.042 8

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					27.2624	0.0000	27.2624	5.6050	0.0000	5.6050			0.0000			0.0000
Off-Road	4.2792	47.5079	29.1953	0.0715		1.9081	1.9081		1.7554	1.7554		6,926.997 4	6,926.997 4	2.2403		6,983.005 6
Total	4.2792	47.5079	29.1953	0.0715	27.2624	1.9081	29.1705	5.6050	1.7554	7.3604		6,926.997 4	6,926.997 4	2.2403		6,983.005 6

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0946	3.8200	0.8495	0.0172	0.5235	0.0444	0.5679	0.1435	0.0425	0.1860		1,834.5679	1,834.5679	0.0248	0.2890	1,921.3088
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	0.0788	0.0511	0.7973	2.0300e-003	0.2236	1.1100e-003	0.2247	0.0593	1.0300e-003	0.0603		206.7078	206.7078	5.1200e-003	5.0800e-003	208.3509
Total	0.1734	3.8711	1.6468	0.0192	0.7471	0.0455	0.7926	0.2028	0.0435	0.2463		2,041.2758	2,041.2758	0.0299	0.2941	2,129.6597

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					10.6323	0.0000	10.6323	2.1860	0.0000	2.1860			0.0000			0.0000
Off-Road	4.2792	47.5079	29.1953	0.0715		1.9081	1.9081		1.7554	1.7554	0.0000	6,926.9974	6,926.9974	2.2403		6,983.0056
Total	4.2792	47.5079	29.1953	0.0715	10.6323	1.9081	12.5404	2.1860	1.7554	3.9414	0.0000	6,926.9974	6,926.9974	2.2403		6,983.0056

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0946	3.8200	0.8495	0.0172	0.5235	0.0444	0.5679	0.1435	0.0425	0.1860		1,834.5679	1,834.5679	0.0248	0.2890	1,921.3088
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	0.0788	0.0511	0.7973	2.0300e-003	0.2236	1.1100e-003	0.2247	0.0593	1.0300e-003	0.0603		206.7078	206.7078	5.1200e-003	5.0800e-003	208.3509
Total	0.1734	3.8711	1.6468	0.0192	0.7471	0.0455	0.7926	0.2028	0.0435	0.2463		2,041.2758	2,041.2758	0.0299	0.2941	2,129.6597

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7963	29.7637	17.6698	0.0430		1.2743	1.2743		1.1892	1.1892		4,110.5322	4,110.5322	1.1153		4,138.4135
Total	2.7963	29.7637	17.6698	0.0430		1.2743	1.2743		1.1892	1.1892		4,110.5322	4,110.5322	1.1153		4,138.4135

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.9455	24.5682	8.5426	0.1058	3.7214	0.3542	4.0756	1.0715	0.3389	1.4104		11,210.12 41	11,210.12 41	0.1186	1.6624	11,708.48 90
Worker	5.8640	3.8002	59.3201	0.1512	16.6323	0.0829	16.7152	4.4110	0.0763	4.4873		15,379.06 21	15,379.06 21	0.3809	0.3783	15,501.30 47
Total	6.8094	28.3684	67.8627	0.2570	20.3537	0.4371	20.7908	5.4825	0.4152	5.8977		26,589.18 62	26,589.18 62	0.4996	2.0407	27,209.79 37

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7963	29.7637	17.6698	0.0430		1.2743	1.2743		1.1892	1.1892	0.0000	4,110.532 2	4,110.532 2	1.1153		4,138.413 5
Total	2.7963	29.7637	17.6698	0.0430		1.2743	1.2743		1.1892	1.1892	0.0000	4,110.532 2	4,110.532 2	1.1153		4,138.413 5

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.9455	24.5682	8.5426	0.1058	3.7214	0.3542	4.0756	1.0715	0.3389	1.4104		11,210.12 41	11,210.12 41	0.1186	1.6624	11,708.48 90
Worker	5.8640	3.8002	59.3201	0.1512	16.6323	0.0829	16.7152	4.4110	0.0763	4.4873		15,379.06 21	15,379.06 21	0.3809	0.3783	15,501.30 47
Total	6.8094	28.3684	67.8627	0.2570	20.3537	0.4371	20.7908	5.4825	0.4152	5.8977		26,589.18 62	26,589.18 62	0.4996	2.0407	27,209.79 37

3.5 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	2.5519	26.2044	17.3471	0.0430		1.1169	1.1169		1.0422	1.0422		4,108.239 2	4,108.239 2	1.1101		4,135.992 4
Total	2.5519	26.2044	17.3471	0.0430		1.1169	1.1169		1.0422	1.0422		4,108.239 2	4,108.239 2	1.1101		4,135.992 4

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6549	18.9817	7.8158	0.1015	3.7213	0.1653	3.8866	1.0715	0.1582	1.2296		10,764.24 52	10,764.24 52	0.1098	1.5906	11,240.99 80
Worker	5.4364	3.3593	54.5885	0.1463	16.6323	0.0780	16.7104	4.4110	0.0718	4.4828		14,972.30 08	14,972.30 08	0.3419	0.3491	15,084.87 40
Total	6.0913	22.3410	62.4042	0.2478	20.3536	0.2434	20.5970	5.4825	0.2300	5.7124		25,736.54 60	25,736.54 60	0.4516	1.9397	26,325.87 20

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5519	26.2044	17.3471	0.0430		1.1169	1.1169		1.0422	1.0422	0.0000	4,108.239 2	4,108.239 2	1.1101		4,135.992 4
Total	2.5519	26.2044	17.3471	0.0430		1.1169	1.1169		1.0422	1.0422	0.0000	4,108.239 2	4,108.239 2	1.1101		4,135.992 4

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6549	18.9817	7.8158	0.1015	3.7213	0.1653	3.8866	1.0715	0.1582	1.2296		10,764.24 52	10,764.24 52	0.1098	1.5906	11,240.99 80
Worker	5.4364	3.3593	54.5885	0.1463	16.6323	0.0780	16.7104	4.4110	0.0718	4.4828		14,972.30 08	14,972.30 08	0.3419	0.3491	15,084.87 40
Total	6.0913	22.3410	62.4042	0.2478	20.3536	0.2434	20.5970	5.4825	0.2300	5.7124		25,736.54 60	25,736.54 60	0.4516	1.9397	26,325.87 20

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	30.2101					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2727	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090		375.2641	375.2641	0.0244		375.8749
Total	30.4828	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090		375.2641	375.2641	0.0244		375.8749

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	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	1.1744	0.7611	11.8800	0.0303	3.3309	0.0166	3.3475	0.8834	0.0153	0.8987		3,079.9466	3,079.9466	0.0763	0.0758	3,104.4280
Total	1.1744	0.7611	11.8800	0.0303	3.3309	0.0166	3.3475	0.8834	0.0153	0.8987		3,079.9466	3,079.9466	0.0763	0.0758	3,104.4280

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	30.2101					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2727	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090	0.0000	375.2641	375.2641	0.0244		375.8749
Total	30.4828	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090	0.0000	375.2641	375.2641	0.0244		375.8749

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	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	1.1744	0.7611	11.8800	0.0303	3.3309	0.0166	3.3475	0.8834	0.0153	0.8987		3,079.9466	3,079.9466	0.0763	0.0758	3,104.4280
Total	1.1744	0.7611	11.8800	0.0303	3.3309	0.0166	3.3475	0.8834	0.0153	0.8987		3,079.9466	3,079.9466	0.0763	0.0758	3,104.4280

3.6 Architectural Coating - 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					
Archit. Coating	30.2101					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2556	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944		375.2641	375.2641	0.0225		375.8253
Total	30.4657	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944		375.2641	375.2641	0.0225		375.8253

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	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	1.0887	0.6728	10.9324	0.0293	3.3309	0.0156	3.3466	0.8834	0.0144	0.8978		2,998.4850	2,998.4850	0.0685	0.0699	3,021.0299
Total	1.0887	0.6728	10.9324	0.0293	3.3309	0.0156	3.3466	0.8834	0.0144	0.8978		2,998.4850	2,998.4850	0.0685	0.0699	3,021.0299

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	30.2101					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2556	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944	0.0000	375.2641	375.2641	0.0225		375.8253
Total	30.4657	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944	0.0000	375.2641	375.2641	0.0225		375.8253

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	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	1.0887	0.6728	10.9324	0.0293	3.3309	0.0156	3.3466	0.8834	0.0144	0.8978		2,998.4850	2,998.4850	0.0685	0.0699	3,021.0299
Total	1.0887	0.6728	10.9324	0.0293	3.3309	0.0156	3.3466	0.8834	0.0144	0.8978		2,998.4850	2,998.4850	0.0685	0.0699	3,021.0299

3.7 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.6736					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.7063	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	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	0.0548	0.0339	0.5503	1.4700e-003	0.1677	7.9000e-004	0.1685	0.0445	7.2000e-004	0.0452		150.9305	150.9305	3.4500e-003	3.5200e-003	152.0653
Total	0.0548	0.0339	0.5503	1.4700e-003	0.1677	7.9000e-004	0.1685	0.0445	7.2000e-004	0.0452		150.9305	150.9305	3.4500e-003	3.5200e-003	152.0653

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.6736					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.7063	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	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	0.0548	0.0339	0.5503	1.4700e-003	0.1677	7.9000e-004	0.1685	0.0445	7.2000e-004	0.0452		150.9305	150.9305	3.4500e-003	3.5200e-003	152.0653
Total	0.0548	0.0339	0.5503	1.4700e-003	0.1677	7.9000e-004	0.1685	0.0445	7.2000e-004	0.0452		150.9305	150.9305	3.4500e-003	3.5200e-003	152.0653

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Other Asphalt Surfaces	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Other Non-Asphalt Surfaces	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Parking Lot	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Unrefrigerated Warehouse-No Rail	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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					
General Light Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
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	0.0000	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

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
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	0.0000	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

6.0 Area Detail

6.1 Mitigation Measures Area

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	lb/day										lb/day					
Mitigated	30.0359	4.2600e-003	0.4678	3.0000e-005		1.6700e-003	1.6700e-003		1.6700e-003	1.6700e-003		1.0030	1.0030	2.6300e-003		1.0687
Unmitigated	30.0359	4.2600e-003	0.4678	3.0000e-005		1.6700e-003	1.6700e-003		1.6700e-003	1.6700e-003		1.0030	1.0030	2.6300e-003		1.0687

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	3.4709					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	26.5217					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0433	4.2600e-003	0.4678	3.0000e-005		1.6700e-003	1.6700e-003		1.6700e-003	1.6700e-003		1.0030	1.0030	2.6300e-003		1.0687
Total	30.0359	4.2600e-003	0.4678	3.0000e-005		1.6700e-003	1.6700e-003		1.6700e-003	1.6700e-003		1.0030	1.0030	2.6300e-003		1.0687

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	3.4709					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	26.5217					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0433	4.2600e-003	0.4678	3.0000e-005		1.6700e-003	1.6700e-003		1.6700e-003	1.6700e-003		1.0030	1.0030	2.6300e-003		1.0687
Total	30.0359	4.2600e-003	0.4678	3.0000e-005		1.6700e-003	1.6700e-003		1.6700e-003	1.6700e-003		1.0030	1.0030	2.6300e-003		1.0687

7.0 Water Detail

7.1 Mitigation Measures Water

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Rubidoux Warehouse (Construction - Unmitigated)

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	37.45	1000sqft	0.86	37,454.00	0
Unrefrigerated Warehouse-No Rail	1,261.90	1000sqft	28.96	1,261,904.00	0
Other Asphalt Surfaces	915.62	1000sqft	21.02	915,621.00	0
Other Non-Asphalt Surfaces	1,010.84	1000sqft	23.20	1,010,835.00	0
Parking Lot	1,357.00	Space	7.26	316,256.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Total Project Area is 81.30 acres

Construction Phase - Construction Schedule based on the 2023 Opening Year

Off-road Equipment - Hours are based on an 8-hour workday

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes

Off-road Equipment -

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

- Demolition -
- Grading - For purposes of analysis, it is assumed that up to 10 acres can be graded per day during site preparation activities and 20 acres per day for grading activities
- Architectural Coating - Rule 1113
- Vehicle Trips - Construction run only
- Energy Use - Construction run only
- Water And Wastewater - Construction run only
- Solid Waste - Construction run only
- Construction Off-road Equipment Mitigation - Rule 403

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblConstructionPhase	NumDays	100.00	20.00
tblConstructionPhase	NumDays	60.00	50.00
tblConstructionPhase	NumDays	155.00	190.00
tblConstructionPhase	NumDays	1,550.00	345.00
tblConstructionPhase	NumDays	110.00	220.00
tblEnergyUse	LightingElect	2.93	0.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	LightingElect	1.17	0.00
tblEnergyUse	NT24E	5.02	0.00
tblEnergyUse	NT24E	0.82	0.00
tblEnergyUse	NT24NG	17.13	0.00
tblEnergyUse	NT24NG	0.03	0.00
tblEnergyUse	T24E	1.97	0.00
tblEnergyUse	T24E	0.33	0.00
tblEnergyUse	T24NG	15.20	0.00
tblEnergyUse	T24NG	1.98	0.00
tblGrading	AcresOfGrading	760.00	3,800.00

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblGrading	AcresOfGrading	175.00	500.00
tblGrading	MaterialImported	0.00	45,465.00
tblLandUse	LandUseSquareFeet	1,261,900.00	1,261,904.00
tblLandUse	LandUseSquareFeet	1,010,840.00	1,010,835.00
tblLandUse	LandUseSquareFeet	542,800.00	316,256.00
tblLandUse	LotAcreage	28.97	28.96
tblLandUse	LotAcreage	23.21	23.20
tblLandUse	LotAcreage	12.21	7.26
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblSolidWaste	SolidWasteGenerationRate	46.44	0.00
tblSolidWaste	SolidWasteGenerationRate	1,186.19	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	0.00
tblVehicleTrips	PR_TP	92.00	0.00
tblVehicleTrips	ST_TR	1.99	0.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	5.00	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	4.96	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	IndoorWaterUseRate	8,660,312.50	0.00
tblWater	IndoorWaterUseRate	291,814,375.00	0.00

2.0 Emissions Summary

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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					
2021	5.4143	61.2552	32.9242	0.0911	28.8725	2.6471	31.5195	11.1291	2.4353	13.5644	0.0000	9,001.205 2	9,001.205 2	2.2706	0.3022	9,148.024 7
2022	40.7590	62.2593	86.6616	0.3172	28.0095	1.9537	29.9631	6.3659	1.7990	8.0954	0.0000	32,428.21 08	32,428.21 08	2.2700	2.1303	33,105.80 60
2023	41.4976	62.4825	96.0759	0.3320	23.8522	1.9818	25.8341	6.4103	1.8516	8.2619	0.0000	33,901.94 99	33,901.94 99	2.3665	2.0284	34,565.56 19
Maximum	41.4976	62.4825	96.0759	0.3320	28.8725	2.6471	31.5195	11.1291	2.4353	13.5644	0.0000	33,901.94 99	33,901.94 99	2.3665	2.1303	34,565.56 19

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	5.4143	61.2552	32.9242	0.0911	11.3830	2.6471	14.0301	4.3729	2.4353	6.8082	0.0000	9,001.205 1	9,001.205 1	2.2706	0.3022	9,148.024 7
2022	40.7590	62.2593	86.6616	0.3172	23.6847	1.9537	25.5225	6.3659	1.7990	8.0954	0.0000	32,428.21 08	32,428.21 08	2.2700	2.1303	33,105.80 60
2023	41.4976	62.4825	96.0759	0.3320	23.8522	1.9818	25.8341	6.4103	1.8516	8.2619	0.0000	33,901.94 99	33,901.94 99	2.3665	2.0284	34,565.56 19
Maximum	41.4976	62.4825	96.0759	0.3320	23.8522	2.6471	25.8341	6.4103	2.4353	8.2619	0.0000	33,901.94 99	33,901.94 99	2.3665	2.1303	34,565.56 19

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	30.0359	4.2600e-003	0.4678	3.0000e-005		1.6700e-003	1.6700e-003		1.6700e-003	1.6700e-003		1.0030	1.0030	2.6300e-003		1.0687
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	30.0359	4.2600e-003	0.4678	3.0000e-005	0.0000	1.6700e-003	1.6700e-003	0.0000	1.6700e-003	1.6700e-003		1.0030	1.0030	2.6300e-003	0.0000	1.0687

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	30.0359	4.2600e-003	0.4678	3.0000e-005		1.6700e-003	1.6700e-003		1.6700e-003	1.6700e-003		1.0030	1.0030	2.6300e-003		1.0687
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	30.0359	4.2600e-003	0.4678	3.0000e-005	0.0000	1.6700e-003	1.6700e-003	0.0000	1.6700e-003	1.6700e-003		1.0030	1.0030	2.6300e-003	0.0000	1.0687

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	5/1/2021	5/28/2021	5	20	
2	Site Preparation	Site Preparation	6/1/2021	8/9/2021	5	50	
3	Grading	Grading	8/10/2021	5/2/2022	5	190	
4	Building Construction	Building Construction	5/3/2022	8/28/2023	5	345	
5	Architectural Coating	Architectural Coating	10/25/2022	8/28/2023	5	220	
6	Paving	Paving	3/28/2023	8/28/2023	5	110	

Acres of Grading (Site Preparation Phase): 500

Acres of Grading (Grading Phase): 3800

Acres of Paving: 51.48

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,949,037; Non-Residential Outdoor: 649,679; Striped Parking Area: 134,563 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Crawler Tractors	4	8.00	212	0.43
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Crawler Tractors	2	8.00	212	0.43
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Crawler Tractors	3	8.00	212	0.43
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	8.00	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	6	15.00	0.00	43.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	5,683.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,488.00	581.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	298.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Water Exposed Area

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					
Fugitive Dust					0.4732	0.0000	0.4732	0.0716	0.0000	0.0716			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	0.4732	1.5513	2.0245	0.0716	1.4411	1.5127		3,747.9449	3,747.9449	1.0549		3,774.3174

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	9.2600e-003	0.3343	0.0713	1.2700e-003	0.0376	5.2300e-003	0.0429	0.0103	5.0000e-003	0.0153		135.3400	135.3400	1.7900e-003	0.0213	141.7367
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	0.0596	0.0452	0.5286	1.4200e-003	0.1677	8.9000e-004	0.1686	0.0445	8.2000e-004	0.0453		144.3036	144.3036	4.2400e-003	4.2500e-003	145.6759
Total	0.0688	0.3795	0.5999	2.6900e-003	0.2053	6.1200e-003	0.2114	0.0548	5.8200e-003	0.0606		279.6436	279.6436	6.0300e-003	0.0256	287.4126

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1845	0.0000	0.1845	0.0279	0.0000	0.0279			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	0.1845	1.5513	1.7359	0.0279	1.4411	1.4690	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	9.2600e-003	0.3343	0.0713	1.2700e-003	0.0376	5.2300e-003	0.0429	0.0103	5.0000e-003	0.0153		135.3400	135.3400	1.7900e-003	0.0213	141.7367
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	0.0596	0.0452	0.5286	1.4200e-003	0.1677	8.9000e-004	0.1686	0.0445	8.2000e-004	0.0453		144.3036	144.3036	4.2400e-003	4.2500e-003	145.6759
Total	0.0688	0.3795	0.5999	2.6900e-003	0.2053	6.1200e-003	0.2114	0.0548	5.8200e-003	0.0606		279.6436	279.6436	6.0300e-003	0.0256	287.4126

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					28.6713	0.0000	28.6713	11.0758	0.0000	11.0758			0.0000			0.0000
Off-Road	5.3428	60.7861	21.8537	0.0570		2.6460	2.6460		2.4343	2.4343		5,523.5047	5,523.5047	1.7864		5,568.1651
Total	5.3428	60.7861	21.8537	0.0570	28.6713	2.6460	31.3173	11.0758	2.4343	13.5101		5,523.5047	5,523.5047	1.7864		5,568.1651

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	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	0.0715	0.0542	0.6344	1.7100e-003	0.2012	1.0700e-003	0.2023	0.0534	9.8000e-004	0.0543		173.1643	173.1643	5.0900e-003	5.1000e-003	174.8110
Total	0.0715	0.0542	0.6344	1.7100e-003	0.2012	1.0700e-003	0.2023	0.0534	9.8000e-004	0.0543		173.1643	173.1643	5.0900e-003	5.1000e-003	174.8110

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					11.1818	0.0000	11.1818	4.3196	0.0000	4.3196			0.0000			0.0000
Off-Road	5.3428	60.7861	21.8537	0.0570		2.6460	2.6460		2.4343	2.4343	0.0000	5,523.5047	5,523.5047	1.7864		5,568.1651
Total	5.3428	60.7861	21.8537	0.0570	11.1818	2.6460	13.8278	4.3196	2.4343	6.7539	0.0000	5,523.5047	5,523.5047	1.7864		5,568.1651

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	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	0.0715	0.0542	0.6344	1.7100e-003	0.2012	1.0700e-003	0.2023	0.0534	9.8000e-004	0.0543		173.1643	173.1643	5.0900e-003	5.1000e-003	174.8110
Total	0.0715	0.0542	0.6344	1.7100e-003	0.2012	1.0700e-003	0.2023	0.0534	9.8000e-004	0.0543		173.1643	173.1643	5.0900e-003	5.1000e-003	174.8110

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					27.2624	0.0000	27.2624	5.6050	0.0000	5.6050			0.0000			0.0000
Off-Road	4.9185	56.5443	31.2281	0.0715		2.2861	2.2861		2.1032	2.1032		6,925.9674	6,925.9674	2.2400		6,981.9673
Total	4.9185	56.5443	31.2281	0.0715	27.2624	2.2861	29.5485	5.6050	2.1032	7.7082		6,925.9674	6,925.9674	2.2400		6,981.9673

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1288	4.6506	0.9912	0.0177	0.5235	0.0727	0.5963	0.1435	0.0696	0.2131		1,882.833 1	1,882.833 1	0.0250	0.2965	1,971.822 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	0.0794	0.0603	0.7049	1.9000e-003	0.2236	1.1900e-003	0.2247	0.0593	1.0900e-003	0.0604		192.4047	192.4047	5.6600e-003	5.6700e-003	194.2345
Total	0.2082	4.7108	1.6960	0.0196	0.7471	0.0739	0.8210	0.2028	0.0707	0.2735		2,075.237 8	2,075.237 8	0.0306	0.3022	2,166.057 4

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					10.6323	0.0000	10.6323	2.1860	0.0000	2.1860			0.0000			0.0000
Off-Road	4.9185	56.5443	31.2281	0.0715		2.2861	2.2861		2.1032	2.1032	0.0000	6,925.967 4	6,925.967 4	2.2400		6,981.967 3
Total	4.9185	56.5443	31.2281	0.0715	10.6323	2.2861	12.9184	2.1860	2.1032	4.2892	0.0000	6,925.967 4	6,925.967 4	2.2400		6,981.967 3

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1288	4.6506	0.9912	0.0177	0.5235	0.0727	0.5963	0.1435	0.0696	0.2131		1,882.833 1	1,882.833 1	0.0250	0.2965	1,971.822 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	0.0794	0.0603	0.7049	1.9000e-003	0.2236	1.1900e-003	0.2247	0.0593	1.0900e-003	0.0604		192.4047	192.4047	5.6600e-003	5.6700e-003	194.2345
Total	0.2082	4.7108	1.6960	0.0196	0.7471	0.0739	0.8210	0.2028	0.0707	0.2735		2,075.237 8	2,075.237 8	0.0306	0.3022	2,166.057 4

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					27.2624	0.0000	27.2624	5.6050	0.0000	5.6050			0.0000			0.0000
Off-Road	4.2792	47.5079	29.1953	0.0715		1.9081	1.9081		1.7554	1.7554		6,926.997 4	6,926.997 4	2.2403		6,983.005 6
Total	4.2792	47.5079	29.1953	0.0715	27.2624	1.9081	29.1705	5.6050	1.7554	7.3604		6,926.997 4	6,926.997 4	2.2403		6,983.005 6

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0901	4.0292	0.8728	0.0172	0.5235	0.0445	0.5680	0.1435	0.0425	0.1861		1,835.9685	1,835.9685	0.0246	0.2892	1,922.7703
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	0.0736	0.0530	0.6462	1.8400e-003	0.2236	1.1100e-003	0.2247	0.0593	1.0300e-003	0.0603		187.2348	187.2348	5.0800e-003	5.2000e-003	188.9129
Total	0.1637	4.0822	1.5190	0.0191	0.7471	0.0456	0.7926	0.2028	0.0436	0.2464		2,023.2032	2,023.2032	0.0297	0.2944	2,111.6832

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					10.6323	0.0000	10.6323	2.1860	0.0000	2.1860			0.0000			0.0000
Off-Road	4.2792	47.5079	29.1953	0.0715		1.9081	1.9081		1.7554	1.7554	0.0000	6,926.9974	6,926.9974	2.2403		6,983.0056
Total	4.2792	47.5079	29.1953	0.0715	10.6323	1.9081	12.5404	2.1860	1.7554	3.9414	0.0000	6,926.9974	6,926.9974	2.2403		6,983.0056

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0901	4.0292	0.8728	0.0172	0.5235	0.0445	0.5680	0.1435	0.0425	0.1861		1,835.9685	1,835.9685	0.0246	0.2892	1,922.7703
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	0.0736	0.0530	0.6462	1.8400e-003	0.2236	1.1100e-003	0.2247	0.0593	1.0300e-003	0.0603		187.2348	187.2348	5.0800e-003	5.2000e-003	188.9129
Total	0.1637	4.0822	1.5190	0.0191	0.7471	0.0456	0.7926	0.2028	0.0436	0.2464		2,023.2032	2,023.2032	0.0297	0.2944	2,111.6832

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7963	29.7637	17.6698	0.0430		1.2743	1.2743		1.1892	1.1892		4,110.5322	4,110.5322	1.1153		4,138.4135
Total	2.7963	29.7637	17.6698	0.0430		1.2743	1.2743		1.1892	1.1892		4,110.5322	4,110.5322	1.1153		4,138.4135

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.9050	25.8830	8.8707	0.1059	3.7214	0.3551	4.0765	1.0715	0.3398	1.4113		11,222.3501	11,222.3501	0.1168	1.6655	11,721.5988
Worker	5.4779	3.9446	48.0751	0.1369	16.6323	0.0829	16.7152	4.4110	0.0763	4.4873		13,930.2665	13,930.2665	0.3783	0.3872	14,055.1171
Total	6.3829	29.8276	56.9458	0.2428	20.3537	0.4380	20.7918	5.4825	0.4161	5.8986		25,152.6166	25,152.6166	0.4951	2.0528	25,776.7159

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7963	29.7637	17.6698	0.0430		1.2743	1.2743		1.1892	1.1892	0.0000	4,110.5322	4,110.5322	1.1153		4,138.4135
Total	2.7963	29.7637	17.6698	0.0430		1.2743	1.2743		1.1892	1.1892	0.0000	4,110.5322	4,110.5322	1.1153		4,138.4135

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.9050	25.8830	8.8707	0.1059	3.7214	0.3551	4.0765	1.0715	0.3398	1.4113		11,222.3501	11,222.3501	0.1168	1.6655	11,721.5988
Worker	5.4779	3.9446	48.0751	0.1369	16.6323	0.0829	16.7152	4.4110	0.0763	4.4873		13,930.2665	13,930.2665	0.3783	0.3872	14,055.1171
Total	6.3829	29.8276	56.9458	0.2428	20.3537	0.4380	20.7918	5.4825	0.4161	5.8986		25,152.6166	25,152.6166	0.4951	2.0528	25,776.7159

3.5 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	2.5519	26.2044	17.3471	0.0430		1.1169	1.1169		1.0422	1.0422		4,108.2392	4,108.2392	1.1101		4,135.9924
Total	2.5519	26.2044	17.3471	0.0430		1.1169	1.1169		1.0422	1.0422		4,108.2392	4,108.2392	1.1101		4,135.9924

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6065	20.1304	8.0789	0.1018	3.7213	0.1659	3.8872	1.0715	0.1587	1.2302		10,790.95 94	10,790.95 94	0.1076	1.5959	11,269.23 66
Worker	5.0955	3.4855	44.3268	0.1326	16.6323	0.0780	16.7104	4.4110	0.0718	4.4828		13,566.24 97	13,566.24 97	0.3407	0.3573	13,681.23 38
Total	5.7019	23.6160	52.4057	0.2343	20.3536	0.2439	20.5976	5.4825	0.2305	5.7130		24,357.20 91	24,357.20 91	0.4483	1.9532	24,950.47 04

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5519	26.2044	17.3471	0.0430		1.1169	1.1169		1.0422	1.0422	0.0000	4,108.239 2	4,108.239 2	1.1101		4,135.992 4
Total	2.5519	26.2044	17.3471	0.0430		1.1169	1.1169		1.0422	1.0422	0.0000	4,108.239 2	4,108.239 2	1.1101		4,135.992 4

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6065	20.1304	8.0789	0.1018	3.7213	0.1659	3.8872	1.0715	0.1587	1.2302		10,790.95 94	10,790.95 94	0.1076	1.5959	11,269.23 66
Worker	5.0955	3.4855	44.3268	0.1326	16.6323	0.0780	16.7104	4.4110	0.0718	4.4828		13,566.24 97	13,566.24 97	0.3407	0.3573	13,681.23 38
Total	5.7019	23.6160	52.4057	0.2343	20.3536	0.2439	20.5976	5.4825	0.2305	5.7130		24,357.20 91	24,357.20 91	0.4483	1.9532	24,950.47 04

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	30.2101					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2727	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090		375.2641	375.2641	0.0244		375.8749
Total	30.4828	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090		375.2641	375.2641	0.0244		375.8749

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	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	1.0971	0.7900	9.6279	0.0274	3.3309	0.0166	3.3475	0.8834	0.0153	0.8987		2,789.798 0	2,789.798 0	0.0758	0.0776	2,814.801 7
Total	1.0971	0.7900	9.6279	0.0274	3.3309	0.0166	3.3475	0.8834	0.0153	0.8987		2,789.798 0	2,789.798 0	0.0758	0.0776	2,814.801 7

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	30.2101					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2727	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090	0.0000	375.2641	375.2641	0.0244		375.8749
Total	30.4828	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090	0.0000	375.2641	375.2641	0.0244		375.8749

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	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	1.0971	0.7900	9.6279	0.0274	3.3309	0.0166	3.3475	0.8834	0.0153	0.8987		2,789.798 0	2,789.798 0	0.0758	0.0776	2,814.801 7
Total	1.0971	0.7900	9.6279	0.0274	3.3309	0.0166	3.3475	0.8834	0.0153	0.8987		2,789.798 0	2,789.798 0	0.0758	0.0776	2,814.801 7

3.6 Architectural Coating - 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					
Archit. Coating	30.2101					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2556	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944		375.2641	375.2641	0.0225		375.8253
Total	30.4657	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944		375.2641	375.2641	0.0225		375.8253

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	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	1.0205	0.6980	8.8773	0.0266	3.3309	0.0156	3.3466	0.8834	0.0144	0.8978		2,716.8968	2,716.8968	0.0682	0.0716	2,739.9245
Total	1.0205	0.6980	8.8773	0.0266	3.3309	0.0156	3.3466	0.8834	0.0144	0.8978		2,716.8968	2,716.8968	0.0682	0.0716	2,739.9245

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	30.2101					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2556	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944	0.0000	375.2641	375.2641	0.0225		375.8253
Total	30.4657	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944	0.0000	375.2641	375.2641	0.0225		375.8253

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	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	1.0205	0.6980	8.8773	0.0266	3.3309	0.0156	3.3466	0.8834	0.0144	0.8978		2,716.8968	2,716.8968	0.0682	0.0716	2,739.9245
Total	1.0205	0.6980	8.8773	0.0266	3.3309	0.0156	3.3466	0.8834	0.0144	0.8978		2,716.8968	2,716.8968	0.0682	0.0716	2,739.9245

3.7 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.6736					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.7063	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	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	0.0514	0.0351	0.4468	1.3400e-003	0.1677	7.9000e-004	0.1685	0.0445	7.2000e-004	0.0452		136.7566	136.7566	3.4300e-003	3.6000e-003	137.9157
Total	0.0514	0.0351	0.4468	1.3400e-003	0.1677	7.9000e-004	0.1685	0.0445	7.2000e-004	0.0452		136.7566	136.7566	3.4300e-003	3.6000e-003	137.9157

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.6736					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.7063	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	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	0.0514	0.0351	0.4468	1.3400e-003	0.1677	7.9000e-004	0.1685	0.0445	7.2000e-004	0.0452		136.7566	136.7566	3.4300e-003	3.6000e-003	137.9157
Total	0.0514	0.0351	0.4468	1.3400e-003	0.1677	7.9000e-004	0.1685	0.0445	7.2000e-004	0.0452		136.7566	136.7566	3.4300e-003	3.6000e-003	137.9157

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Other Asphalt Surfaces	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Other Non-Asphalt Surfaces	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Parking Lot	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Unrefrigerated Warehouse-No Rail	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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					
General Light Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
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	0.0000	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

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
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	0.0000	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

6.0 Area Detail

6.1 Mitigation Measures Area

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	lb/day										lb/day					
Mitigated	30.0359	4.2600e-003	0.4678	3.0000e-005		1.6700e-003	1.6700e-003		1.6700e-003	1.6700e-003		1.0030	1.0030	2.6300e-003		1.0687
Unmitigated	30.0359	4.2600e-003	0.4678	3.0000e-005		1.6700e-003	1.6700e-003		1.6700e-003	1.6700e-003		1.0030	1.0030	2.6300e-003		1.0687

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	3.4709					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	26.5217					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0433	4.2600e-003	0.4678	3.0000e-005		1.6700e-003	1.6700e-003		1.6700e-003	1.6700e-003		1.0030	1.0030	2.6300e-003		1.0687
Total	30.0359	4.2600e-003	0.4678	3.0000e-005		1.6700e-003	1.6700e-003		1.6700e-003	1.6700e-003		1.0030	1.0030	2.6300e-003		1.0687

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	3.4709					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	26.5217					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0433	4.2600e-003	0.4678	3.0000e-005		1.6700e-003	1.6700e-003		1.6700e-003	1.6700e-003		1.0030	1.0030	2.6300e-003		1.0687
Total	30.0359	4.2600e-003	0.4678	3.0000e-005		1.6700e-003	1.6700e-003		1.6700e-003	1.6700e-003		1.0030	1.0030	2.6300e-003		1.0687

7.0 Water Detail

7.1 Mitigation Measures Water

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Rubidoux Warehouse (Construction - Unmitigated)

Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	37.45	1000sqft	0.86	37,454.00	0
Unrefrigerated Warehouse-No Rail	1,261.90	1000sqft	28.96	1,261,904.00	0
Other Asphalt Surfaces	915.62	1000sqft	21.02	915,621.00	0
Other Non-Asphalt Surfaces	1,010.84	1000sqft	23.20	1,010,835.00	0
Parking Lot	1,357.00	Space	7.26	316,256.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Total Project Area is 81.30 acres

Construction Phase - Construction Schedule based on the 2023 Opening Year

Off-road Equipment - Hours are based on an 8-hour workday

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes

Off-road Equipment -

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Demolition -

Grading - For purposes of analysis, it is assumed that up to 10 acres can be graded per day during site preparation activities and 20 acres per day for grading activities

Architectural Coating - Rule 1113

Vehicle Trips - Construction run only

Energy Use - Construction run only

Water And Wastewater - Construction run only

Solid Waste - Construction run only

Construction Off-road Equipment Mitigation - Rule 403

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblConstructionPhase	NumDays	100.00	20.00
tblConstructionPhase	NumDays	60.00	50.00
tblConstructionPhase	NumDays	155.00	190.00
tblConstructionPhase	NumDays	1,550.00	345.00
tblConstructionPhase	NumDays	110.00	220.00
tblEnergyUse	LightingElect	2.93	0.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	LightingElect	1.17	0.00
tblEnergyUse	NT24E	5.02	0.00
tblEnergyUse	NT24E	0.82	0.00
tblEnergyUse	NT24NG	17.13	0.00
tblEnergyUse	NT24NG	0.03	0.00
tblEnergyUse	T24E	1.97	0.00
tblEnergyUse	T24E	0.33	0.00
tblEnergyUse	T24NG	15.20	0.00
tblEnergyUse	T24NG	1.98	0.00
tblGrading	AcresOfGrading	760.00	3,800.00

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblGrading	AcresOfGrading	175.00	500.00
tblGrading	MaterialImported	0.00	45,465.00
tblLandUse	LandUseSquareFeet	1,261,900.00	1,261,904.00
tblLandUse	LandUseSquareFeet	1,010,840.00	1,010,835.00
tblLandUse	LandUseSquareFeet	542,800.00	316,256.00
tblLandUse	LotAcreage	28.97	28.96
tblLandUse	LotAcreage	23.21	23.20
tblLandUse	LotAcreage	12.21	7.26
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblSolidWaste	SolidWasteGenerationRate	46.44	0.00
tblSolidWaste	SolidWasteGenerationRate	1,186.19	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	0.00
tblVehicleTrips	PR_TP	92.00	0.00
tblVehicleTrips	ST_TR	1.99	0.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	5.00	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	4.96	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	IndoorWaterUseRate	8,660,312.50	0.00
tblWater	IndoorWaterUseRate	291,814,375.00	0.00

2.0 Emissions Summary

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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					
2021	0.4341	5.0249	2.4983	6.6200e-003	3.0977	0.2045	3.3022	0.6800	0.1884	0.8684	0.0000	590.6627	590.6627	0.1574	0.0146	598.9500
2022	1.7395	7.4697	8.3328	0.0298	4.1309	0.2360	4.3669	0.8602	0.2200	1.0802	0.0000	2,755.7876	2,755.7876	0.2181	0.1757	2,813.6104
2023	3.4690	5.0219	7.9901	0.0280	2.0013	0.1538	2.1551	0.5386	0.1440	0.6826	0.0000	2,593.0563	2,593.0563	0.1639	0.1577	2,644.1377
Maximum	3.4690	7.4697	8.3328	0.0298	4.1309	0.2360	4.3669	0.8602	0.2200	1.0802	0.0000	2,755.7876	2,755.7876	0.2181	0.1757	2,813.6104

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.4341	5.0249	2.4983	6.6200e-003	1.2357	0.2045	1.4402	0.2727	0.1884	0.4611	0.0000	590.6621	590.6621	0.1574	0.0146	598.9494
2022	1.7395	7.4697	8.3328	0.0298	2.7421	0.2360	2.9781	0.6404	0.2200	0.8604	0.0000	2,755.7868	2,755.7868	0.2181	0.1757	2,813.6096
2023	3.4690	5.0219	7.9901	0.0280	2.0013	0.1538	2.1551	0.5386	0.1440	0.6826	0.0000	2,593.0558	2,593.0558	0.1639	0.1577	2,644.1371
Maximum	3.4690	7.4697	8.3328	0.0298	2.7421	0.2360	2.9781	0.6404	0.2200	0.8604	0.0000	2,755.7868	2,755.7868	0.2181	0.1757	2,813.6096

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	35.22	0.00	33.09	30.17	0.00	23.83	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	5-1-2021	7-31-2021	1.7939	1.7939
2	8-1-2021	10-31-2021	2.1765	2.1765
3	11-1-2021	1-31-2022	2.0665	2.0665
4	2-1-2022	4-30-2022	1.7789	1.7789
5	5-1-2022	7-31-2022	2.2172	2.2172
6	8-1-2022	10-31-2022	2.3227	2.3227
7	11-1-2022	1-31-2023	3.2628	3.2628
8	2-1-2023	4-30-2023	3.0607	3.0607
9	5-1-2023	7-31-2023	3.3889	3.3889
10	8-1-2023	9-30-2023	1.0314	1.0314
		Highest	3.3889	3.3889

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	5.4791	5.3000e-004	0.0585	0.0000		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	0.1137	0.1137	3.0000e-004	0.0000	0.1212
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	5.4791	5.3000e-004	0.0585	0.0000	0.0000	2.1000e-004	2.1000e-004	0.0000	2.1000e-004	2.1000e-004	0.0000	0.1137	0.1137	3.0000e-004	0.0000	0.1212

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	5.4791	5.3000e-004	0.0585	0.0000		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	0.1137	0.1137	3.0000e-004	0.0000	0.1212
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	5.4791	5.3000e-004	0.0585	0.0000	0.0000	2.1000e-004	2.1000e-004	0.0000	2.1000e-004	2.1000e-004	0.0000	0.1137	0.1137	3.0000e-004	0.0000	0.1212

	ROG	NOx	CO	SO2	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	5/1/2021	5/28/2021	5	20	
2	Site Preparation	Site Preparation	6/1/2021	8/9/2021	5	50	
3	Grading	Grading	8/10/2021	5/2/2022	5	190	

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4	Building Construction	Building Construction	5/3/2022	8/28/2023	5	345
5	Architectural Coating	Architectural Coating	10/25/2022	8/28/2023	5	220
6	Paving	Paving	3/28/2023	8/28/2023	5	110

Acres of Grading (Site Preparation Phase): 500

Acres of Grading (Grading Phase): 3800

Acres of Paving: 51.48

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,949,037; Non-Residential Outdoor: 649,679; Striped Parking Area: 134,563 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Crawler Tractors	4	8.00	212	0.43
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Crawler Tractors	2	8.00	212	0.43
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Crawler Tractors	3	8.00	212	0.43
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	8.00	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	6	15.00	0.00	43.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	5,683.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,488.00	581.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	298.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	tons/yr										MT/yr					
Fugitive Dust					4.7300e-003	0.0000	4.7300e-003	7.2000e-004	0.0000	7.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0317	0.3144	0.2157	3.9000e-004		0.0155	0.0155		0.0144	0.0144	0.0000	34.0008	34.0008	9.5700e-003	0.0000	34.2400
Total	0.0317	0.3144	0.2157	3.9000e-004	4.7300e-003	0.0155	0.0202	7.2000e-004	0.0144	0.0151	0.0000	34.0008	34.0008	9.5700e-003	0.0000	34.2400

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	9.0000e-005	3.3500e-003	7.0000e-004	1.0000e-005	3.7000e-004	5.0000e-005	4.2000e-004	1.0000e-004	5.0000e-005	1.5000e-004	0.0000	1.2274	1.2274	2.0000e-005	1.9000e-004	1.2854
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.7000e-004	4.6000e-004	5.5800e-003	1.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3398	1.3398	4.0000e-005	4.0000e-005	1.3525
Total	6.6000e-004	3.8100e-003	6.2800e-003	2.0000e-005	2.0200e-003	6.0000e-005	2.0800e-003	5.4000e-004	6.0000e-005	6.0000e-004	0.0000	2.5672	2.5672	6.0000e-005	2.3000e-004	2.6379

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	tons/yr										MT/yr					
Fugitive Dust					1.8500e-003	0.0000	1.8500e-003	2.8000e-004	0.0000	2.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0317	0.3144	0.2157	3.9000e-004		0.0155	0.0155		0.0144	0.0144	0.0000	34.0007	34.0007	9.5700e-003	0.0000	34.2400
Total	0.0317	0.3144	0.2157	3.9000e-004	1.8500e-003	0.0155	0.0174	2.8000e-004	0.0144	0.0147	0.0000	34.0007	34.0007	9.5700e-003	0.0000	34.2400

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	9.0000e-005	3.3500e-003	7.0000e-004	1.0000e-005	3.7000e-004	5.0000e-005	4.2000e-004	1.0000e-004	5.0000e-005	1.5000e-004	0.0000	1.2274	1.2274	2.0000e-005	1.9000e-004	1.2854
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.7000e-004	4.6000e-004	5.5800e-003	1.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3398	1.3398	4.0000e-005	4.0000e-005	1.3525
Total	6.6000e-004	3.8100e-003	6.2800e-003	2.0000e-005	2.0200e-003	6.0000e-005	2.0800e-003	5.4000e-004	6.0000e-005	6.0000e-004	0.0000	2.5672	2.5672	6.0000e-005	2.3000e-004	2.6379

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.7168	0.0000	0.7168	0.2769	0.0000	0.2769	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1336	1.5197	0.5463	1.4200e-003		0.0662	0.0662		0.0609	0.0609	0.0000	125.2710	125.2710	0.0405	0.0000	126.2839
Total	0.1336	1.5197	0.5463	1.4200e-003	0.7168	0.0662	0.7829	0.2769	0.0609	0.3378	0.0000	125.2710	125.2710	0.0405	0.0000	126.2839

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	1.7000e-003	1.3900e-003	0.0167	4.0000e-005	4.9500e-003	3.0000e-005	4.9700e-003	1.3100e-003	2.0000e-005	1.3400e-003	0.0000	4.0194	4.0194	1.2000e-004	1.2000e-004	4.0574
Total	1.7000e-003	1.3900e-003	0.0167	4.0000e-005	4.9500e-003	3.0000e-005	4.9700e-003	1.3100e-003	2.0000e-005	1.3400e-003	0.0000	4.0194	4.0194	1.2000e-004	1.2000e-004	4.0574

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 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					
Fugitive Dust					0.2795	0.0000	0.2795	0.1080	0.0000	0.1080	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1336	1.5197	0.5463	1.4200e-003		0.0662	0.0662		0.0609	0.0609	0.0000	125.2708	125.2708	0.0405	0.0000	126.2837
Total	0.1336	1.5197	0.5463	1.4200e-003	0.2795	0.0662	0.3457	0.1080	0.0609	0.1689	0.0000	125.2708	125.2708	0.0405	0.0000	126.2837

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	1.7000e-003	1.3900e-003	0.0167	4.0000e-005	4.9500e-003	3.0000e-005	4.9700e-003	1.3100e-003	2.0000e-005	1.3400e-003	0.0000	4.0194	4.0194	1.2000e-004	1.2000e-004	4.0574
Total	1.7000e-003	1.3900e-003	0.0167	4.0000e-005	4.9500e-003	3.0000e-005	4.9700e-003	1.3100e-003	2.0000e-005	1.3400e-003	0.0000	4.0194	4.0194	1.2000e-004	1.2000e-004	4.0574

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.3310	0.0000	2.3310	0.3901	0.0000	0.3901	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2558	2.9403	1.6239	3.7200e-003		0.1189	0.1189		0.1094	0.1094	0.0000	326.7229	326.7229	0.1057	0.0000	329.3646
Total	0.2558	2.9403	1.6239	3.7200e-003	2.3310	0.1189	2.4499	0.3901	0.1094	0.4995	0.0000	326.7229	326.7229	0.1057	0.0000	329.3646

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.8200e-003	0.2422	0.0508	9.2000e-004	0.0268	3.7800e-003	0.0306	7.3700e-003	3.6200e-003	0.0110	0.0000	88.7922	88.7922	1.1800e-003	0.0140	92.9890
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	3.9300e-003	3.2200e-003	0.0387	1.0000e-004	0.0114	6.0000e-005	0.0115	3.0400e-003	6.0000e-005	3.0900e-003	0.0000	9.2893	9.2893	2.7000e-004	2.7000e-004	9.3772
Total	0.0108	0.2454	0.0895	1.0200e-003	0.0383	3.8400e-003	0.0421	0.0104	3.6800e-003	0.0141	0.0000	98.0815	98.0815	1.4500e-003	0.0143	102.3662

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 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					
Fugitive Dust					0.9091	0.0000	0.9091	0.1522	0.0000	0.1522	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2558	2.9403	1.6239	3.7200e-003		0.1189	0.1189		0.1094	0.1094	0.0000	326.7225	326.7225	0.1057	0.0000	329.3642
Total	0.2558	2.9403	1.6239	3.7200e-003	0.9091	0.1189	1.0280	0.1522	0.1094	0.2615	0.0000	326.7225	326.7225	0.1057	0.0000	329.3642

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.8200e-003	0.2422	0.0508	9.2000e-004	0.0268	3.7800e-003	0.0306	7.3700e-003	3.6200e-003	0.0110	0.0000	88.7922	88.7922	1.1800e-003	0.0140	92.9890
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	3.9300e-003	3.2200e-003	0.0387	1.0000e-004	0.0114	6.0000e-005	0.0115	3.0400e-003	6.0000e-005	3.0900e-003	0.0000	9.2893	9.2893	2.7000e-004	2.7000e-004	9.3772
Total	0.0108	0.2454	0.0895	1.0200e-003	0.0383	3.8400e-003	0.0421	0.0104	3.6800e-003	0.0141	0.0000	98.0815	98.0815	1.4500e-003	0.0143	102.3662

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.2768	0.0000	2.2768	0.3603	0.0000	0.3603	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1840	2.0428	1.2554	3.0800e-003		0.0821	0.0821		0.0755	0.0755	0.0000	270.2149	270.2149	0.0874	0.0000	272.3997
Total	0.1840	2.0428	1.2554	3.0800e-003	2.2768	0.0821	2.3588	0.3603	0.0755	0.4358	0.0000	270.2149	270.2149	0.0874	0.0000	272.3997

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.9900e-003	0.1732	0.0370	7.4000e-004	0.0222	1.9100e-003	0.0241	6.0900e-003	1.8300e-003	7.9200e-003	0.0000	71.5875	71.5875	9.6000e-004	0.0113	74.9722
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	3.0100e-003	2.3400e-003	0.0293	8.0000e-005	9.4500e-003	5.0000e-005	9.5000e-003	2.5100e-003	4.0000e-005	2.5500e-003	0.0000	7.4744	7.4744	2.0000e-004	2.1000e-004	7.5411
Total	7.0000e-003	0.1755	0.0663	8.2000e-004	0.0316	1.9600e-003	0.0336	8.6000e-003	1.8700e-003	0.0105	0.0000	79.0619	79.0619	1.1600e-003	0.0115	82.5133

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2022

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					0.8879	0.0000	0.8879	0.1405	0.0000	0.1405	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1840	2.0428	1.2554	3.0800e-003		0.0821	0.0821		0.0755	0.0755	0.0000	270.2145	270.2145	0.0874	0.0000	272.3994
Total	0.1840	2.0428	1.2554	3.0800e-003	0.8879	0.0821	0.9700	0.1405	0.0755	0.2160	0.0000	270.2145	270.2145	0.0874	0.0000	272.3994

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.9900e-003	0.1732	0.0370	7.4000e-004	0.0222	1.9100e-003	0.0241	6.0900e-003	1.8300e-003	7.9200e-003	0.0000	71.5875	71.5875	9.6000e-004	0.0113	74.9722
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	3.0100e-003	2.3400e-003	0.0293	8.0000e-005	9.4500e-003	5.0000e-005	9.5000e-003	2.5100e-003	4.0000e-005	2.5500e-003	0.0000	7.4744	7.4744	2.0000e-004	2.1000e-004	7.5411
Total	7.0000e-003	0.1755	0.0663	8.2000e-004	0.0316	1.9600e-003	0.0336	8.6000e-003	1.8700e-003	0.0105	0.0000	79.0619	79.0619	1.1600e-003	0.0115	82.5133

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2433	2.5894	1.5373	3.7400e-003		0.1109	0.1109		0.1035	0.1035	0.0000	324.4241	324.4241	0.0880	0.0000	326.6246
Total	0.2433	2.5894	1.5373	3.7400e-003		0.1109	0.1109		0.1035	0.1035	0.0000	324.4241	324.4241	0.0880	0.0000	326.6246

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	0.0803	2.2436	0.7560	9.2100e-003	0.3193	0.0309	0.3502	0.0921	0.0295	0.1217	0.0000	885.1665	885.1665	9.3100e-003	0.1314	924.5416
Worker	0.4525	0.3524	4.4099	0.0122	1.4229	7.2100e-003	1.4301	0.3778	6.6400e-003	0.3845	0.0000	1,125.1253	1,125.1253	0.0300	0.0312	1,135.1570
Total	0.5328	2.5960	5.1659	0.0214	1.7422	0.0381	1.7803	0.4700	0.0362	0.5061	0.0000	2,010.2918	2,010.2918	0.0393	0.1625	2,059.6986

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2022

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	0.2433	2.5894	1.5373	3.7400e-003		0.1109	0.1109		0.1035	0.1035	0.0000	324.4237	324.4237	0.0880	0.0000	326.6242
Total	0.2433	2.5894	1.5373	3.7400e-003		0.1109	0.1109		0.1035	0.1035	0.0000	324.4237	324.4237	0.0880	0.0000	326.6242

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	0.0803	2.2436	0.7560	9.2100e-003	0.3193	0.0309	0.3502	0.0921	0.0295	0.1217	0.0000	885.1665	885.1665	9.3100e-003	0.1314	924.5416
Worker	0.4525	0.3524	4.4099	0.0122	1.4229	7.2100e-003	1.4301	0.3778	6.6400e-003	0.3845	0.0000	1,125.1253	1,125.1253	0.0300	0.0312	1,135.1570
Total	0.5328	2.5960	5.1659	0.0214	1.7422	0.0381	1.7803	0.4700	0.0362	0.5061	0.0000	2,010.2918	2,010.2918	0.0393	0.1625	2,059.6986

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 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	0.2182	2.2405	1.4832	3.6700e-003		0.0955	0.0955		0.0891	0.0891	0.0000	318.6527	318.6527	0.0861	0.0000	320.8053
Total	0.2182	2.2405	1.4832	3.6700e-003		0.0955	0.0955		0.0891	0.0891	0.0000	318.6527	318.6527	0.0861	0.0000	320.8053

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	0.0538	1.7032	0.6785	8.6900e-003	0.3138	0.0142	0.3280	0.0905	0.0135	0.1041	0.0000	835.7928	835.7928	8.4500e-003	0.1236	872.8324
Worker	0.4130	0.3059	3.9940	0.0116	1.3984	6.6700e-003	1.4050	0.3713	6.1400e-003	0.3775	0.0000	1,076.7369	1,076.7369	0.0265	0.0282	1,085.8150
Total	0.4668	2.0091	4.6725	0.0203	1.7122	0.0208	1.7330	0.4619	0.0197	0.4816	0.0000	1,912.5297	1,912.5297	0.0350	0.1518	1,958.6473

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 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	tons/yr										MT/yr					
Off-Road	0.2182	2.2405	1.4832	3.6700e-003		0.0955	0.0955		0.0891	0.0891	0.0000	318.6523	318.6523	0.0861	0.0000	320.8050
Total	0.2182	2.2405	1.4832	3.6700e-003		0.0955	0.0955		0.0891	0.0891	0.0000	318.6523	318.6523	0.0861	0.0000	320.8050

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	0.0538	1.7032	0.6785	8.6900e-003	0.3138	0.0142	0.3280	0.0905	0.0135	0.1041	0.0000	835.7928	835.7928	8.4500e-003	0.1236	872.8324
Worker	0.4130	0.3059	3.9940	0.0116	1.3984	6.6700e-003	1.4050	0.3713	6.1400e-003	0.3775	0.0000	1,076.7369	1,076.7369	0.0265	0.0282	1,085.8150
Total	0.4668	2.0091	4.6725	0.0203	1.7122	0.0208	1.7330	0.4619	0.0197	0.4816	0.0000	1,912.5297	1,912.5297	0.0350	0.1518	1,958.6473

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7402					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.6800e-003	0.0460	0.0592	1.0000e-004		2.6700e-003	2.6700e-003		2.6700e-003	2.6700e-003	0.0000	8.3406	8.3406	5.4000e-004	0.0000	8.3542
Total	0.7468	0.0460	0.0592	1.0000e-004		2.6700e-003	2.6700e-003		2.6700e-003	2.6700e-003	0.0000	8.3406	8.3406	5.4000e-004	0.0000	8.3542

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0255	0.0199	0.2487	6.9000e-004	0.0803	4.1000e-004	0.0807	0.0213	3.7000e-004	0.0217	0.0000	63.4543	63.4543	1.6900e-003	1.7600e-003	64.0201
Total	0.0255	0.0199	0.2487	6.9000e-004	0.0803	4.1000e-004	0.0807	0.0213	3.7000e-004	0.0217	0.0000	63.4543	63.4543	1.6900e-003	1.7600e-003	64.0201

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2022

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	0.7402					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.6800e-003	0.0460	0.0592	1.0000e-004		2.6700e-003	2.6700e-003		2.6700e-003	2.6700e-003	0.0000	8.3406	8.3406	5.4000e-004	0.0000	8.3542
Total	0.7468	0.0460	0.0592	1.0000e-004		2.6700e-003	2.6700e-003		2.6700e-003	2.6700e-003	0.0000	8.3406	8.3406	5.4000e-004	0.0000	8.3542

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	0.0255	0.0199	0.2487	6.9000e-004	0.0803	4.1000e-004	0.0807	0.0213	3.7000e-004	0.0217	0.0000	63.4543	63.4543	1.6900e-003	1.7600e-003	64.0201
Total	0.0255	0.0199	0.2487	6.9000e-004	0.0803	4.1000e-004	0.0807	0.0213	3.7000e-004	0.0217	0.0000	63.4543	63.4543	1.6900e-003	1.7600e-003	64.0201

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 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					
Archit. Coating	2.5830					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0219	0.1485	0.2065	3.4000e-004		8.0700e-003	8.0700e-003		8.0700e-003	8.0700e-003	0.0000	29.1071	29.1071	1.7400e-003	0.0000	29.1506
Total	2.6048	0.1485	0.2065	3.4000e-004		8.0700e-003	8.0700e-003		8.0700e-003	8.0700e-003	0.0000	29.1071	29.1071	1.7400e-003	0.0000	29.1506

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0827	0.0613	0.7999	2.3200e-003	0.2801	1.3400e-003	0.2814	0.0744	1.2300e-003	0.0756	0.0000	215.6368	215.6368	5.3100e-003	5.6500e-003	217.4549
Total	0.0827	0.0613	0.7999	2.3200e-003	0.2801	1.3400e-003	0.2814	0.0744	1.2300e-003	0.0756	0.0000	215.6368	215.6368	5.3100e-003	5.6500e-003	217.4549

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 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	tons/yr										MT/yr					
Archit. Coating	2.5830					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0219	0.1485	0.2065	3.4000e-004		8.0700e-003	8.0700e-003		8.0700e-003	8.0700e-003	0.0000	29.1071	29.1071	1.7400e-003	0.0000	29.1506
Total	2.6048	0.1485	0.2065	3.4000e-004		8.0700e-003	8.0700e-003		8.0700e-003	8.0700e-003	0.0000	29.1071	29.1071	1.7400e-003	0.0000	29.1506

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	0.0827	0.0613	0.7999	2.3200e-003	0.2801	1.3400e-003	0.2814	0.0744	1.2300e-003	0.0756	0.0000	215.6368	215.6368	5.3100e-003	5.6500e-003	217.4549
Total	0.0827	0.0613	0.7999	2.3200e-003	0.2801	1.3400e-003	0.2814	0.0744	1.2300e-003	0.0756	0.0000	215.6368	215.6368	5.3100e-003	5.6500e-003	217.4549

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Paving - 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	0.0568	0.5605	0.8021	1.2500e-003		0.0281	0.0281		0.0258	0.0258	0.0000	110.1478	110.1478	0.0356	0.0000	111.0384
Paving	0.0371					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0939	0.5605	0.8021	1.2500e-003		0.0281	0.0281		0.0258	0.0258	0.0000	110.1478	110.1478	0.0356	0.0000	111.0384

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	2.6800e-003	1.9800e-003	0.0259	8.0000e-005	9.0700e-003	4.0000e-005	9.1100e-003	2.4100e-003	4.0000e-005	2.4500e-003	0.0000	6.9822	6.9822	1.7000e-004	1.8000e-004	7.0411
Total	2.6800e-003	1.9800e-003	0.0259	8.0000e-005	9.0700e-003	4.0000e-005	9.1100e-003	2.4100e-003	4.0000e-005	2.4500e-003	0.0000	6.9822	6.9822	1.7000e-004	1.8000e-004	7.0411

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Paving - 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	tons/yr										MT/yr					
Off-Road	0.0568	0.5605	0.8021	1.2500e-003		0.0281	0.0281		0.0258	0.0258	0.0000	110.1476	110.1476	0.0356	0.0000	111.0382
Paving	0.0371					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0939	0.5605	0.8021	1.2500e-003		0.0281	0.0281		0.0258	0.0258	0.0000	110.1476	110.1476	0.0356	0.0000	111.0382

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	2.6800e-003	1.9800e-003	0.0259	8.0000e-005	9.0700e-003	4.0000e-005	9.1100e-003	2.4100e-003	4.0000e-005	2.4500e-003	0.0000	6.9822	6.9822	1.7000e-004	1.8000e-004	7.0411
Total	2.6800e-003	1.9800e-003	0.0259	8.0000e-005	9.0700e-003	4.0000e-005	9.1100e-003	2.4100e-003	4.0000e-005	2.4500e-003	0.0000	6.9822	6.9822	1.7000e-004	1.8000e-004	7.0411

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	0.00	0.00	0.00	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
General Light Industry	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Other Asphalt Surfaces	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Other Non-Asphalt Surfaces	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Parking Lot	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Unrefrigerated Warehouse-No Rail	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	5.4791	5.3000e-004	0.0585	0.0000		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	0.1137	0.1137	3.0000e-004	0.0000	0.1212
Unmitigated	5.4791	5.3000e-004	0.0585	0.0000		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	0.1137	0.1137	3.0000e-004	0.0000	0.1212

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	0.6334					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.8402					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.4200e-003	5.3000e-004	0.0585	0.0000		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	0.1137	0.1137	3.0000e-004	0.0000	0.1212
Total	5.4791	5.3000e-004	0.0585	0.0000		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	0.1137	0.1137	3.0000e-004	0.0000	0.1212

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.6334					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.8402					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.4200e-003	5.3000e-004	0.0585	0.0000		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	0.1137	0.1137	3.0000e-004	0.0000	0.1212
Total	5.4791	5.3000e-004	0.0585	0.0000		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	0.1137	0.1137	3.0000e-004	0.0000	0.1212

7.0 Water Detail

7.1 Mitigation Measures Water

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category/Year

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

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

Rubidoux Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

User Defined Equipment

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

11.0 Vegetation

ATTACHMENT B:

CALEEMOD OPERATIONAL EMISSIONS MODEL OUTPUTS

Rubidoux Warehouse (Building 1 Operations - Passenger Cars) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Rubidoux Warehouse (Building 1 Operations - Passenger Cars)

Riverside-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	1,261.90	1000sqft	28.96	1,261,904.00	0
Other Asphalt Surfaces	869.72	1000sqft	19.97	869,715.00	0
Other Non-Asphalt Surfaces	990.87	1000sqft	22.75	990,869.00	0
Parking Lot	1,302.00	Space	6.96	303,437.96	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Total Area is the sum of Building 1 Area + 57,287 sf of Public Street

Construction Phase - Operations run only

Off-road Equipment - Operations run only

Vehicle Trips - Trip Rates based on information provided in the Rubidoux Warehouse Traffic Impact Analysis report and Trip Lengths based on information from the Rubidoux Warehouse VMT Memo

Operational Off-Road Equipment - Based on SCAQMD High Cube Warehouse Truck Trip Study White Paper Summary of Business Survey Results (2014)

Fleet Mix - Passenger Car Fleet Mix estimated based on the ratio of the vehicle classes in CalEEMod default fleet mix

Rubidoux Warehouse (Building 1 Operations - Passenger Cars) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	0.00
tblConstructionPhase	PhaseEndDate	9/17/2021	4/30/2021
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.53	0.59
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT2	0.17	0.19
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.3100e-003	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.14	0.16
tblFleetMix	MH	5.4680e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	6.1600e-004	0.00
tblFleetMix	SBUS	1.1000e-003	0.00
tblFleetMix	UBUS	3.1500e-004	0.00
tblLandUse	LandUseSquareFeet	1,261,900.00	1,261,904.00
tblLandUse	LandUseSquareFeet	520,800.00	303,437.96
tblLandUse	LotAcreage	28.97	28.96
tblLandUse	LotAcreage	11.72	6.96
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	5.00
tblVehicleTrips	CNW_TTP	41.00	0.00

Rubidoux Warehouse (Building 1 Operations - Passenger Cars) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	CW_TL	16.60	11.70
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.74	1.75
tblVehicleTrips	SU_TR	1.74	1.75
tblVehicleTrips	WD_TR	1.74	1.75

2.0 Emissions Summary

Rubidoux Warehouse (Building 1 Operations - Passenger Cars) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	29.1638	4.1100e-003	0.4517	3.0000e-005		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003		0.9683	0.9683	2.5400e-003		1.0318
Energy	0.0749	0.6813	0.5723	4.0900e-003		0.0518	0.0518		0.0518	0.0518		817.5430	817.5430	0.0157	0.0150	822.4012
Mobile	4.0480	3.7665	60.2950	0.1776	19.6257	0.0871	19.7128	5.2026	0.0802	5.2828		18,174.2341	18,174.2341	0.4160	0.4277	18,312.1021
Offroad	0.5516	5.1804	3.7460	0.0158		0.1880	0.1880		0.1729	0.1729	0.0000	1,532.7255	1,532.7255	0.4957		1,545.1184
Total	33.8384	9.6322	65.0650	0.1975	19.6257	0.3285	19.9542	5.2026	0.3065	5.5091	0.0000	20,525.4708	20,525.4708	0.9299	0.4427	20,680.6534

Rubidoux Warehouse (Building 1 Operations - Passenger Cars) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	lb/day										lb/day					
Area	29.1638	4.1100e-003	0.4517	3.0000e-005		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003		0.9683	0.9683	2.5400e-003		1.0318
Energy	0.0749	0.6813	0.5723	4.0900e-003		0.0518	0.0518		0.0518	0.0518		817.5430	817.5430	0.0157	0.0150	822.4012
Mobile	4.0480	3.7665	60.2950	0.1776	19.6257	0.0871	19.7128	5.2026	0.0802	5.2828		18,174.2341	18,174.2341	0.4160	0.4277	18,312.1021
Offroad	0.5516	5.1804	3.7460	0.0158		0.1880	0.1880		0.1729	0.1729	0.0000	1,532.7255	1,532.7255	0.4957		1,545.1184
Total	33.8384	9.6322	65.0650	0.1975	19.6257	0.3285	19.9542	5.2026	0.3065	5.5091	0.0000	20,525.4708	20,525.4708	0.9299	0.4427	20,680.6534

	ROG	NOx	CO	SO2	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	5/1/2021	4/30/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Rubidoux Warehouse (Building 1 Operations - Passenger Cars) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2021

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Rubidoux Warehouse (Building 1 Operations - Passenger Cars) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	lb/day										lb/day					
Mitigated	4.0480	3.7665	60.2950	0.1776	19.6257	0.0871	19.7128	5.2026	0.0802	5.2828		18,174.2341	18,174.2341	0.4160	0.4277	18,312.1021
Unmitigated	4.0480	3.7665	60.2950	0.1776	19.6257	0.0871	19.7128	5.2026	0.0802	5.2828		18,174.2341	18,174.2341	0.4160	0.4277	18,312.1021

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	2,207.95	2,207.95	2,207.95	9,403,232	9,403,232
Total	2,207.95	2,207.95	2,207.95	9,403,232	9,403,232

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
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	11.70	8.40	6.90	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Rubidoux Warehouse (Building 1 Operations - Passenger Cars) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Other Non-Asphalt Surfaces	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Parking Lot	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Unrefrigerated Warehouse-No Rail	0.591300	0.061900	0.190900	0.155900	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.0749	0.6813	0.5723	4.0900e-003		0.0518	0.0518		0.0518	0.0518		817.5430	817.5430	0.0157	0.0150	822.4012
NaturalGas Unmitigated	0.0749	0.6813	0.5723	4.0900e-003		0.0518	0.0518		0.0518	0.0518		817.5430	817.5430	0.0157	0.0150	822.4012

Rubidoux Warehouse (Building 1 Operations - Passenger Cars) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas s 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					
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
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	6949.12	0.0749	0.6813	0.5723	4.0900e-003		0.0518	0.0518		0.0518	0.0518		817.5430	817.5430	0.0157	0.0150	822.4012
Total		0.0749	0.6813	0.5723	4.0900e-003		0.0518	0.0518		0.0518	0.0518		817.5430	817.5430	0.0157	0.0150	822.4012

Rubidoux Warehouse (Building 1 Operations - Passenger Cars) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas s 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					
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
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	6.94912	0.0749	0.6813	0.5723	4.0900e-003		0.0518	0.0518		0.0518	0.0518		817.5430	817.5430	0.0157	0.0150	822.4012
Total		0.0749	0.6813	0.5723	4.0900e-003		0.0518	0.0518		0.0518	0.0518		817.5430	817.5430	0.0157	0.0150	822.4012

6.0 Area Detail

6.1 Mitigation Measures Area

Rubidoux Warehouse (Building 1 Operations - Passenger Cars) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	lb/day										lb/day					
Mitigated	29.1638	4.1100e-003	0.4517	3.0000e-005		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003		0.9683	0.9683	2.5400e-003		1.0318
Unmitigated	29.1638	4.1100e-003	0.4517	3.0000e-005		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003		0.9683	0.9683	2.5400e-003		1.0318

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	3.3698					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	25.7522					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0418	4.1100e-003	0.4517	3.0000e-005		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003		0.9683	0.9683	2.5400e-003		1.0318
Total	29.1638	4.1100e-003	0.4517	3.0000e-005		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003		0.9683	0.9683	2.5400e-003		1.0318

Rubidoux Warehouse (Building 1 Operations - Passenger Cars) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	3.3698					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	25.7522					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0418	4.1100e-003	0.4517	3.0000e-005		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003		0.9683	0.9683	2.5400e-003		1.0318
Total	29.1638	4.1100e-003	0.4517	3.0000e-005		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003		0.9683	0.9683	2.5400e-003		1.0318

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Tractors/Loaders/Backhoes	5	4.00	365	200	0.37	CNG

Rubidoux Warehouse (Building 1 Operations - Passenger Cars) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

UnMitigated/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
Equipment Type	lb/day										lb/day					
Tractors/Loaders/Backhoes	0.5516	5.1804	3.7460	0.0158		0.1880	0.1880		0.1729	0.1729	0.0000	1,532.7255	1,532.7255	0.4957		1,545.1184
Total	0.5516	5.1804	3.7460	0.0158		0.1880	0.1880		0.1729	0.1729	0.0000	1,532.7255	1,532.7255	0.4957		1,545.1184

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Rubidoux Warehouse (Building 1 Operations - Passenger Cars) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Rubidoux Warehouse (Building 1 Operations - Passenger Cars)

Riverside-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	1,261.90	1000sqft	28.96	1,261,904.00	0
Other Asphalt Surfaces	869.72	1000sqft	19.97	869,715.00	0
Other Non-Asphalt Surfaces	990.87	1000sqft	22.75	990,869.00	0
Parking Lot	1,302.00	Space	6.96	303,437.96	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Total Area is the sum of Building 1 Area + 57,287 sf of Public Street

Construction Phase - Operations run only

Off-road Equipment - Operations run only

Vehicle Trips - Trip Rates based on information provided in the Rubidoux Warehouse Traffic Impact Analysis report and Trip Lengths based on information from the Rubidoux Warehouse VMT Memo

Operational Off-Road Equipment - Based on SCAQMD High Cube Warehouse Truck Trip Study White Paper Summary of Business Survey Results (2014)

Fleet Mix - Passenger Car Fleet Mix estimated based on the ratio of the vehicle classes in CalEEMod default fleet mix

Rubidoux Warehouse (Building 1 Operations - Passenger Cars) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	0.00
tblConstructionPhase	PhaseEndDate	9/17/2021	4/30/2021
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.53	0.59
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT2	0.17	0.19
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.3100e-003	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.14	0.16
tblFleetMix	MH	5.4680e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	6.1600e-004	0.00
tblFleetMix	SBUS	1.1000e-003	0.00
tblFleetMix	UBUS	3.1500e-004	0.00
tblLandUse	LandUseSquareFeet	1,261,900.00	1,261,904.00
tblLandUse	LandUseSquareFeet	520,800.00	303,437.96
tblLandUse	LotAcreage	28.97	28.96
tblLandUse	LotAcreage	11.72	6.96
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	5.00
tblVehicleTrips	CNW_TTP	41.00	0.00

Rubidoux Warehouse (Building 1 Operations - Passenger Cars) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	CW_TL	16.60	11.70
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.74	1.75
tblVehicleTrips	SU_TR	1.74	1.75
tblVehicleTrips	WD_TR	1.74	1.75

2.0 Emissions Summary

Rubidoux Warehouse (Building 1 Operations - Passenger Cars) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	29.1638	4.1100e-003	0.4517	3.0000e-005		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003		0.9683	0.9683	2.5400e-003		1.0318
Energy	0.0749	0.6813	0.5723	4.0900e-003		0.0518	0.0518		0.0518	0.0518		817.5430	817.5430	0.0157	0.0150	822.4012
Mobile	3.2743	3.9015	49.9440	0.1615	19.6257	0.0871	19.7128	5.2026	0.0802	5.2828		16,531.4388	16,531.4388	0.4260	0.4374	16,672.4267
Offroad	0.5516	5.1804	3.7460	0.0158		0.1880	0.1880		0.1729	0.1729	0.0000	1,532.7255	1,532.7255	0.4957		1,545.1184
Total	33.0647	9.7673	54.7140	0.1815	19.6257	0.3285	19.9542	5.2026	0.3065	5.5091	0.0000	18,882.6755	18,882.6755	0.9399	0.4524	19,040.9781

Rubidoux Warehouse (Building 1 Operations - Passenger Cars) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	lb/day										lb/day					
Area	29.1638	4.1100e-003	0.4517	3.0000e-005		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003		0.9683	0.9683	2.5400e-003		1.0318
Energy	0.0749	0.6813	0.5723	4.0900e-003		0.0518	0.0518		0.0518	0.0518		817.5430	817.5430	0.0157	0.0150	822.4012
Mobile	3.2743	3.9015	49.9440	0.1615	19.6257	0.0871	19.7128	5.2026	0.0802	5.2828		16,531.4388	16,531.4388	0.4260	0.4374	16,672.4267
Offroad	0.5516	5.1804	3.7460	0.0158		0.1880	0.1880		0.1729	0.1729	0.0000	1,532.7255	1,532.7255	0.4957		1,545.1184
Total	33.0647	9.7673	54.7140	0.1815	19.6257	0.3285	19.9542	5.2026	0.3065	5.5091	0.0000	18,882.6755	18,882.6755	0.9399	0.4524	19,040.9781

	ROG	NOx	CO	SO2	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	5/1/2021	4/30/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Rubidoux Warehouse (Building 1 Operations - Passenger Cars) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2021

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Rubidoux Warehouse (Building 1 Operations - Passenger Cars) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	lb/day										lb/day					
Mitigated	3.2743	3.9015	49.9440	0.1615	19.6257	0.0871	19.7128	5.2026	0.0802	5.2828		16,531.4388	16,531.4388	0.4260	0.4374	16,672.4267
Unmitigated	3.2743	3.9015	49.9440	0.1615	19.6257	0.0871	19.7128	5.2026	0.0802	5.2828		16,531.4388	16,531.4388	0.4260	0.4374	16,672.4267

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	2,207.95	2,207.95	2,207.95	9,403,232	9,403,232
Total	2,207.95	2,207.95	2,207.95	9,403,232	9,403,232

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
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	11.70	8.40	6.90	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Rubidoux Warehouse (Building 1 Operations - Passenger Cars) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Other Non-Asphalt Surfaces	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Parking Lot	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Unrefrigerated Warehouse-No Rail	0.591300	0.061900	0.190900	0.155900	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.0749	0.6813	0.5723	4.0900e-003		0.0518	0.0518		0.0518	0.0518		817.5430	817.5430	0.0157	0.0150	822.4012
NaturalGas Unmitigated	0.0749	0.6813	0.5723	4.0900e-003		0.0518	0.0518		0.0518	0.0518		817.5430	817.5430	0.0157	0.0150	822.4012

Rubidoux Warehouse (Building 1 Operations - Passenger Cars) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas s 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					
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
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	6949.12	0.0749	0.6813	0.5723	4.0900e-003		0.0518	0.0518		0.0518	0.0518		817.5430	817.5430	0.0157	0.0150	822.4012
Total		0.0749	0.6813	0.5723	4.0900e-003		0.0518	0.0518		0.0518	0.0518		817.5430	817.5430	0.0157	0.0150	822.4012

Rubidoux Warehouse (Building 1 Operations - Passenger Cars) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas s 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					
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
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	6.94912	0.0749	0.6813	0.5723	4.0900e-003		0.0518	0.0518		0.0518	0.0518		817.5430	817.5430	0.0157	0.0150	822.4012
Total		0.0749	0.6813	0.5723	4.0900e-003		0.0518	0.0518		0.0518	0.0518		817.5430	817.5430	0.0157	0.0150	822.4012

6.0 Area Detail

6.1 Mitigation Measures Area

Rubidoux Warehouse (Building 1 Operations - Passenger Cars) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	lb/day										lb/day					
Mitigated	29.1638	4.1100e-003	0.4517	3.0000e-005		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003		0.9683	0.9683	2.5400e-003		1.0318
Unmitigated	29.1638	4.1100e-003	0.4517	3.0000e-005		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003		0.9683	0.9683	2.5400e-003		1.0318

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	3.3698					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	25.7522					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0418	4.1100e-003	0.4517	3.0000e-005		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003		0.9683	0.9683	2.5400e-003		1.0318
Total	29.1638	4.1100e-003	0.4517	3.0000e-005		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003		0.9683	0.9683	2.5400e-003		1.0318

Rubidoux Warehouse (Building 1 Operations - Passenger Cars) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	3.3698					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	25.7522					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0418	4.1100e-003	0.4517	3.0000e-005		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003		0.9683	0.9683	2.5400e-003		1.0318
Total	29.1638	4.1100e-003	0.4517	3.0000e-005		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003		0.9683	0.9683	2.5400e-003		1.0318

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Tractors/Loaders/Backhoes	5	4.00	365	200	0.37	CNG

Rubidoux Warehouse (Building 1 Operations - Passenger Cars) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

UnMitigated/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
Equipment Type	lb/day										lb/day					
Tractors/Loaders/Backhoes	0.5516	5.1804	3.7460	0.0158		0.1880	0.1880		0.1729	0.1729	0.0000	1,532.7255	1,532.7255	0.4957		1,545.1184
Total	0.5516	5.1804	3.7460	0.0158		0.1880	0.1880		0.1729	0.1729	0.0000	1,532.7255	1,532.7255	0.4957		1,545.1184

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Rubidoux Warehouse (Building 1 Operations - Passenger Cars) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Rubidoux Warehouse (Building 1 Operations - Passenger Cars)

Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	1,261.90	1000sqft	28.96	1,261,904.00	0
Other Asphalt Surfaces	869.72	1000sqft	19.97	869,715.00	0
Other Non-Asphalt Surfaces	990.87	1000sqft	22.75	990,869.00	0
Parking Lot	1,302.00	Space	6.96	303,437.96	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Total Area is the sum of Building 1 Area + 57,287 sf of Public Street

Construction Phase - Operations run only

Off-road Equipment - Operations run only

Vehicle Trips - Trip Rates based on information provided in the Rubidoux Warehouse Traffic Impact Analysis report and Trip Lengths based on information from the Rubidoux Warehouse VMT Memo

Operational Off-Road Equipment - Based on SCAQMD High Cube Warehouse Truck Trip Study White Paper Summary of Business Survey Results (2014)

Fleet Mix - Passenger Car Fleet Mix estimated based on the ratio of the vehicle classes in CalEEMod default fleet mix

Rubidoux Warehouse (Building 1 Operations - Passenger Cars) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	0.00
tblConstructionPhase	PhaseEndDate	9/17/2021	4/30/2021
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.53	0.59
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT2	0.17	0.19
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.3100e-003	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.14	0.16
tblFleetMix	MH	5.4680e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	6.1600e-004	0.00
tblFleetMix	SBUS	1.1000e-003	0.00
tblFleetMix	UBUS	3.1500e-004	0.00
tblLandUse	LandUseSquareFeet	1,261,900.00	1,261,904.00
tblLandUse	LandUseSquareFeet	520,800.00	303,437.96
tblLandUse	LotAcreage	28.97	28.96
tblLandUse	LotAcreage	11.72	6.96
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	5.00
tblVehicleTrips	CNW_TTP	41.00	0.00

Rubidoux Warehouse (Building 1 Operations - Passenger Cars) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	CW_TL	16.60	11.70
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.74	1.75
tblVehicleTrips	SU_TR	1.74	1.75
tblVehicleTrips	WD_TR	1.74	1.75

2.0 Emissions Summary

Rubidoux Warehouse (Building 1 Operations - Passenger Cars) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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					
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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

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

Rubidoux Warehouse (Building 1 Operations - Passenger Cars) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

		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	5.3200	5.1000e-004	0.0565	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.1098	0.1098	2.9000e-004	0.0000	0.1170
Energy	0.0137	0.1243	0.1044	7.5000e-004		9.4500e-003	9.4500e-003		9.4500e-003	9.4500e-003	0.0000	673.3880	673.3880	0.0480	7.9900e-003	676.9679
Mobile	0.6086	0.7272	9.5192	0.0300	3.5123	0.0158	3.5281	0.9322	0.0146	0.9468	0.0000	2,786.5227	2,786.5227	0.0702	0.0734	2,810.1359
Offroad	0.1007	0.9454	0.6837	2.8900e-003		0.0343	0.0343		0.0316	0.0316	0.0000	253.7596	253.7596	0.0821	0.0000	255.8114
Waste						0.0000	0.0000		0.0000	0.0000	240.7859	0.0000	240.7859	14.2300	0.0000	596.5368
Water						0.0000	0.0000		0.0000	0.0000	92.5792	673.8625	766.4418	9.5657	0.2314	1,074.5453
Total	6.0430	1.7974	10.3638	0.0337	3.5123	0.0598	3.5721	0.9322	0.0558	0.9880	333.3651	4,387.6426	4,721.0077	23.9962	0.3128	5,414.1142

Rubidoux Warehouse (Building 1 Operations - Passenger Cars) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	5.3200	5.1000e-004	0.0565	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.1098	0.1098	2.9000e-004	0.0000	0.1170
Energy	0.0137	0.1243	0.1044	7.5000e-004		9.4500e-003	9.4500e-003		9.4500e-003	9.4500e-003	0.0000	673.3880	673.3880	0.0480	7.9900e-003	676.9679
Mobile	0.6086	0.7272	9.5192	0.0300	3.5123	0.0158	3.5281	0.9322	0.0146	0.9468	0.0000	2,786.5227	2,786.5227	0.0702	0.0734	2,810.1359
Offroad	0.1007	0.9454	0.6837	2.8900e-003		0.0343	0.0343		0.0316	0.0316	0.0000	253.7596	253.7596	0.0821	0.0000	255.8114
Waste						0.0000	0.0000		0.0000	0.0000	240.7859	0.0000	240.7859	14.2300	0.0000	596.5368
Water						0.0000	0.0000		0.0000	0.0000	92.5792	673.8625	766.4418	9.5657	0.2314	1,074.5453
Total	6.0430	1.7974	10.3638	0.0337	3.5123	0.0598	3.5721	0.9322	0.0558	0.9880	333.3651	4,387.6426	4,721.0077	23.9962	0.3128	5,414.1142

	ROG	NOx	CO	SO2	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	5/1/2021	4/30/2021	5	0	

Rubidoux Warehouse (Building 1 Operations - Passenger Cars) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 49.68

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	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40

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

Rubidoux Warehouse (Building 1 Operations - Passenger Cars) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	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	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive 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

Rubidoux Warehouse (Building 1 Operations - Passenger Cars) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	tons/yr										MT/yr					
Mitigated	0.6086	0.7272	9.5192	0.0300	3.5123	0.0158	3.5281	0.9322	0.0146	0.9468	0.0000	2,786.5227	2,786.5227	0.0702	0.0734	2,810.1359
Unmitigated	0.6086	0.7272	9.5192	0.0300	3.5123	0.0158	3.5281	0.9322	0.0146	0.9468	0.0000	2,786.5227	2,786.5227	0.0702	0.0734	2,810.1359

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	2,207.95	2,207.95	2,207.95	9,403,232	9,403,232
Total	2,207.95	2,207.95	2,207.95	9,403,232	9,403,232

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
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	11.70	8.40	6.90	100.00	0.00	0.00	100	0	0

Rubidoux Warehouse (Building 1 Operations - Passenger Cars) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Other Non-Asphalt Surfaces	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Parking Lot	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Unrefrigerated Warehouse-No Rail	0.591300	0.061900	0.190900	0.155900	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

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	538.0346	538.0346	0.0454	5.5000e-003	540.8102
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	538.0346	538.0346	0.0454	5.5000e-003	540.8102
NaturalGas Mitigated	0.0137	0.1243	0.1044	7.5000e-004		9.4500e-003	9.4500e-003		9.4500e-003	9.4500e-003	0.0000	135.3534	135.3534	2.5900e-003	2.4800e-003	136.1577
NaturalGas Unmitigated	0.0137	0.1243	0.1044	7.5000e-004		9.4500e-003	9.4500e-003		9.4500e-003	9.4500e-003	0.0000	135.3534	135.3534	2.5900e-003	2.4800e-003	136.1577

Rubidoux Warehouse (Building 1 Operations - Passenger Cars) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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					
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
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	2.53643e+006	0.0137	0.1243	0.1044	7.5000e-004		9.4500e-003	9.4500e-003		9.4500e-003	9.4500e-003	0.0000	135.3534	135.3534	2.5900e-003	2.4800e-003	136.1577
Total		0.0137	0.1243	0.1044	7.5000e-004		9.4500e-003	9.4500e-003		9.4500e-003	9.4500e-003	0.0000	135.3534	135.3534	2.5900e-003	2.4800e-003	136.1577

Rubidoux Warehouse (Building 1 Operations - Passenger Cars) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
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	2.53643e+006	0.0137	0.1243	0.1044	7.5000e-004		9.4500e-003	9.4500e-003		9.4500e-003	9.4500e-003	0.0000	135.3534	135.3534	2.5900e-003	2.4800e-003	136.1577
Total		0.0137	0.1243	0.1044	7.5000e-004		9.4500e-003	9.4500e-003		9.4500e-003	9.4500e-003	0.0000	135.3534	135.3534	2.5900e-003	2.4800e-003	136.1577

Rubidoux Warehouse (Building 1 Operations - Passenger Cars) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	106203	18.8347	1.5900e-003	1.9000e-004	18.9318
Unrefrigerated Warehouse-No Rail	2.92762e+006	519.1999	0.0438	5.3100e-003	521.8784
Total		538.0346	0.0454	5.5000e-003	540.8102

Rubidoux Warehouse (Building 1 Operations - Passenger Cars) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	106203	18.8347	1.5900e-003	1.9000e-004	18.9318
Unrefrigerated Warehouse-No Rail	2.92762e+006	519.1999	0.0438	5.3100e-003	521.8784
Total		538.0346	0.0454	5.5000e-003	540.8102

6.0 Area Detail

6.1 Mitigation Measures Area

Rubidoux Warehouse (Building 1 Operations - Passenger Cars) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	5.3200	5.1000e-004	0.0565	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.1098	0.1098	2.9000e-004	0.0000	0.1170
Unmitigated	5.3200	5.1000e-004	0.0565	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.1098	0.1098	2.9000e-004	0.0000	0.1170

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	0.6150					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.6998					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.2300e-003	5.1000e-004	0.0565	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.1098	0.1098	2.9000e-004	0.0000	0.1170
Total	5.3200	5.1000e-004	0.0565	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.1098	0.1098	2.9000e-004	0.0000	0.1170

Rubidoux Warehouse (Building 1 Operations - Passenger Cars) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.6150					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.6998					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.2300e-003	5.1000e-004	0.0565	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.1098	0.1098	2.9000e-004	0.0000	0.1170
Total	5.3200	5.1000e-004	0.0565	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.1098	0.1098	2.9000e-004	0.0000	0.1170

7.0 Water Detail

7.1 Mitigation Measures Water

Rubidoux Warehouse (Building 1 Operations - Passenger Cars) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	766.4418	9.5657	0.2314	1,074.5453
Unmitigated	766.4418	9.5657	0.2314	1,074.5453

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	291.814 / 0	766.4418	9.5657	0.2314	1,074.5453
Total		766.4418	9.5657	0.2314	1,074.5453

Rubidoux Warehouse (Building 1 Operations - Passenger Cars) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	291.814 / 0	766.4418	9.5657	0.2314	1,074.5453
Total		766.4418	9.5657	0.2314	1,074.5453

8.0 Waste Detail

8.1 Mitigation Measures Waste

Rubidoux Warehouse (Building 1 Operations - Passenger Cars) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	240.7859	14.2300	0.0000	596.5368
Unmitigated	240.7859	14.2300	0.0000	596.5368

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	1186.19	240.7859	14.2300	0.0000	596.5368
Total		240.7859	14.2300	0.0000	596.5368

Rubidoux Warehouse (Building 1 Operations - Passenger Cars) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	1186.19	240.7859	14.2300	0.0000	596.5368
Total		240.7859	14.2300	0.0000	596.5368

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Tractors/Loaders/Backhoes	5	4.00	365	200	0.37	CNG

Rubidoux Warehouse (Building 1 Operations - Passenger Cars) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

UnMitigated/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
Equipment Type	tons/yr										MT/yr					
Tractors/Loaders/Backhoes	0.1007	0.9454	0.6837	2.8900e-003		0.0343	0.0343		0.0316	0.0316	0.0000	253.7596	253.7596	0.0821	0.0000	255.8114
Total	0.1007	0.9454	0.6837	2.8900e-003		0.0343	0.0343		0.0316	0.0316	0.0000	253.7596	253.7596	0.0821	0.0000	255.8114

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Rubidoux Warehouse (Building 1 Operations - Trucks) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Rubidoux Warehouse (Building 1 Operations - Trucks)

Riverside-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	1,261.90	1000sqft	28.96	1,261,904.00	0
Other Asphalt Surfaces	869.72	1000sqft	19.97	869,715.00	0
Other Non-Asphalt Surfaces	990.87	1000sqft	22.75	990,869.00	0
Parking Lot	1,302.00	Space	6.96	303,437.96	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	390.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Total Area is the sum of Building 1 Area + 57,287 sf of Public Street

Construction Phase - Operations run only

Off-road Equipment - Operations run only

Vehicle Trips - Trip Rates based on information provided in the Rubidoux Warehouse Traffic Impact Analysis report and Trip Lengths based on information from the Rubidoux Warehouse VMT Memo

Operational Off-Road Equipment - Based on SCAQMD High Cube Warehouse Truck Trip Study White Paper Summary of Business Survey Results (2014)

Fleet Mix - Truck Fleet Mix estimated by ratioing the Trip Rates for each truck type based on information provided in the Traffic Analysis

Rubidoux Warehouse (Building 1 Operations - Trucks) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	0.00
tblConstructionPhase	PhaseEndDate	9/17/2021	4/30/2021
tblFleetMix	HHD	0.02	0.79
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.03	0.11
tblFleetMix	LHD2	7.3100e-003	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	5.4680e-003	0.00
tblFleetMix	MHD	0.01	0.11
tblFleetMix	OBUS	6.1600e-004	0.00
tblFleetMix	SBUS	1.1000e-003	0.00
tblFleetMix	UBUS	3.1500e-004	0.00
tblLandUse	LandUseSquareFeet	1,261,900.00	1,261,904.00
tblLandUse	LandUseSquareFeet	520,800.00	303,437.96
tblLandUse	LotAcreage	28.97	28.96
tblLandUse	LotAcreage	11.72	6.96
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	5.00
tblVehicleTrips	CNW_TTP	41.00	0.00

Rubidoux Warehouse (Building 1 Operations - Trucks) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.74	0.38
tblVehicleTrips	SU_TR	1.74	0.38
tblVehicleTrips	WD_TR	1.74	0.38

2.0 Emissions Summary

Rubidoux Warehouse (Building 1 Operations - Trucks) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	29.1638	4.1100e-003	0.4517	3.0000e-005		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003		0.9683	0.9683	2.5400e-003		1.0318
Energy	0.0749	0.6813	0.5723	4.0900e-003		0.0518	0.0518		0.0518	0.0518		817.5430	817.5430	0.0157	0.0150	822.4012
Mobile	1.4822	77.0919	17.4856	0.4683	16.8718	0.9867	17.8585	4.6879	0.9439	5.6318		49,835.017	49,835.017	0.6279	7.4982	52,085.1627
Offroad	0.5516	5.1804	3.7460	0.0158		0.1880	0.1880		0.1729	0.1729	0.0000	1,532.7255	1,532.7255	0.4957		1,545.1184
Total	31.2725	82.9577	22.2556	0.4883	16.8718	1.2280	18.0998	4.6879	1.1702	5.8581	0.0000	52,186.2485	52,186.2485	1.1419	7.5132	54,453.7141

Rubidoux Warehouse (Building 1 Operations - Trucks) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	lb/day										lb/day					
Area	29.1638	4.1100e-003	0.4517	3.0000e-005		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003		0.9683	0.9683	2.5400e-003		1.0318
Energy	0.0749	0.6813	0.5723	4.0900e-003		0.0518	0.0518		0.0518	0.0518		817.5430	817.5430	0.0157	0.0150	822.4012
Mobile	1.4822	77.0919	17.4856	0.4683	16.8718	0.9867	17.8585	4.6879	0.9439	5.6318		49,835.017	49,835.017	0.6279	7.4982	52,085.1627
Offroad	0.5516	5.1804	3.7460	0.0158		0.1880	0.1880		0.1729	0.1729	0.0000	1,532.7255	1,532.7255	0.4957		1,545.1184
Total	31.2725	82.9577	22.2556	0.4883	16.8718	1.2280	18.0998	4.6879	1.1702	5.8581	0.0000	52,186.2485	52,186.2485	1.1419	7.5132	54,453.7141

	ROG	NOx	CO	SO2	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	5/1/2021	4/30/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Rubidoux Warehouse (Building 1 Operations - Trucks) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2021

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Rubidoux Warehouse (Building 1 Operations - Trucks) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	lb/day										lb/day					
Mitigated	1.4822	77.0919	17.4856	0.4683	16.8718	0.9867	17.8585	4.6879	0.9439	5.6318		49,835.01 17	49,835.01 17	0.6279	7.4982	52,085.16 27
Unmitigated	1.4822	77.0919	17.4856	0.4683	16.8718	0.9867	17.8585	4.6879	0.9439	5.6318		49,835.01 17	49,835.01 17	0.6279	7.4982	52,085.16 27

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	478.01	478.01	478.01	6,959,814	6,959,814
Total	478.01	478.01	478.01	6,959,814	6,959,814

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
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	40.00	8.40	6.90	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Rubidoux Warehouse (Building 1 Operations - Trucks) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Other Non-Asphalt Surfaces	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Parking Lot	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Unrefrigerated Warehouse-No Rail	0.000000	0.000000	0.000000	0.000000	0.106700	0.000000	0.106700	0.786600	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.0749	0.6813	0.5723	4.0900e-003		0.0518	0.0518		0.0518	0.0518		817.5430	817.5430	0.0157	0.0150	822.4012
NaturalGas Unmitigated	0.0749	0.6813	0.5723	4.0900e-003		0.0518	0.0518		0.0518	0.0518		817.5430	817.5430	0.0157	0.0150	822.4012

Rubidoux Warehouse (Building 1 Operations - Trucks) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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					
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
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	6949.12	0.0749	0.6813	0.5723	4.0900e-003		0.0518	0.0518		0.0518	0.0518		817.5430	817.5430	0.0157	0.0150	822.4012
Total		0.0749	0.6813	0.5723	4.0900e-003		0.0518	0.0518		0.0518	0.0518		817.5430	817.5430	0.0157	0.0150	822.4012

Rubidoux Warehouse (Building 1 Operations - Trucks) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
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	6.94912	0.0749	0.6813	0.5723	4.0900e-003		0.0518	0.0518		0.0518	0.0518		817.5430	817.5430	0.0157	0.0150	822.4012
Total		0.0749	0.6813	0.5723	4.0900e-003		0.0518	0.0518		0.0518	0.0518		817.5430	817.5430	0.0157	0.0150	822.4012

6.0 Area Detail

6.1 Mitigation Measures Area

Rubidoux Warehouse (Building 1 Operations - Trucks) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	lb/day										lb/day					
Mitigated	29.1638	4.1100e-003	0.4517	3.0000e-005		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003		0.9683	0.9683	2.5400e-003		1.0318
Unmitigated	29.1638	4.1100e-003	0.4517	3.0000e-005		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003		0.9683	0.9683	2.5400e-003		1.0318

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	3.3698					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	25.7522					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0418	4.1100e-003	0.4517	3.0000e-005		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003		0.9683	0.9683	2.5400e-003		1.0318
Total	29.1638	4.1100e-003	0.4517	3.0000e-005		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003		0.9683	0.9683	2.5400e-003		1.0318

Rubidoux Warehouse (Building 1 Operations - Trucks) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	3.3698					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	25.7522					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0418	4.1100e-003	0.4517	3.0000e-005		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003		0.9683	0.9683	2.5400e-003		1.0318
Total	29.1638	4.1100e-003	0.4517	3.0000e-005		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003		0.9683	0.9683	2.5400e-003		1.0318

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Tractors/Loaders/Backhoes	5	4.00	365	200	0.37	CNG

Rubidoux Warehouse (Building 1 Operations - Trucks) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

UnMitigated/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
Equipment Type	lb/day										lb/day					
Tractors/Loaders/Backhoes	0.5516	5.1804	3.7460	0.0158		0.1880	0.1880		0.1729	0.1729	0.0000	1,532.7255	1,532.7255	0.4957		1,545.1184
Total	0.5516	5.1804	3.7460	0.0158		0.1880	0.1880		0.1729	0.1729	0.0000	1,532.7255	1,532.7255	0.4957		1,545.1184

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Rubidoux Warehouse (Building 1 Operations - Trucks) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Rubidoux Warehouse (Building 1 Operations - Trucks)

Riverside-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	1,261.90	1000sqft	28.96	1,261,904.00	0
Other Asphalt Surfaces	869.72	1000sqft	19.97	869,715.00	0
Other Non-Asphalt Surfaces	990.87	1000sqft	22.75	990,869.00	0
Parking Lot	1,302.00	Space	6.96	303,437.96	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	390.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Total Area is the sum of Building 1 Area + 57,287 sf of Public Street

Construction Phase - Operations run only

Off-road Equipment - Operations run only

Vehicle Trips - Trip Rates based on information provided in the Rubidoux Warehouse Traffic Impact Analysis report and Trip Lengths based on information from the Rubidoux Warehouse VMT Memo

Operational Off-Road Equipment - Based on SCAQMD High Cube Warehouse Truck Trip Study White Paper Summary of Business Survey Results (2014)

Fleet Mix - Truck Fleet Mix estimated by ratioing the Trip Rates for each truck type based on information provided in the Traffic Analysis

Rubidoux Warehouse (Building 1 Operations - Trucks) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	0.00
tblConstructionPhase	PhaseEndDate	9/17/2021	4/30/2021
tblFleetMix	HHD	0.02	0.79
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.03	0.11
tblFleetMix	LHD2	7.3100e-003	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	5.4680e-003	0.00
tblFleetMix	MHD	0.01	0.11
tblFleetMix	OBUS	6.1600e-004	0.00
tblFleetMix	SBUS	1.1000e-003	0.00
tblFleetMix	UBUS	3.1500e-004	0.00
tblLandUse	LandUseSquareFeet	1,261,900.00	1,261,904.00
tblLandUse	LandUseSquareFeet	520,800.00	303,437.96
tblLandUse	LotAcreage	28.97	28.96
tblLandUse	LotAcreage	11.72	6.96
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	5.00
tblVehicleTrips	CNW_TTP	41.00	0.00

Rubidoux Warehouse (Building 1 Operations - Trucks) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.74	0.38
tblVehicleTrips	SU_TR	1.74	0.38
tblVehicleTrips	WD_TR	1.74	0.38

2.0 Emissions Summary

Rubidoux Warehouse (Building 1 Operations - Trucks) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	29.1638	4.1100e-003	0.4517	3.0000e-005		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003		0.9683	0.9683	2.5400e-003		1.0318
Energy	0.0749	0.6813	0.5723	4.0900e-003		0.0518	0.0518		0.0518	0.0518		817.5430	817.5430	0.0157	0.0150	822.4012
Mobile	1.4140	81.3854	17.6685	0.4686	16.8718	0.9873	17.8591	4.6879	0.9445	5.6324		49,869.4364	49,869.4364	0.6244	7.5067	52,122.0415
Offroad	0.5516	5.1804	3.7460	0.0158		0.1880	0.1880		0.1729	0.1729	0.0000	1,532.7255	1,532.7255	0.4957		1,545.1184
Total	31.2044	87.2512	22.4384	0.4886	16.8718	1.2286	18.1005	4.6879	1.1708	5.8587	0.0000	52,220.6732	52,220.6732	1.1383	7.5217	54,490.5929

Rubidoux Warehouse (Building 1 Operations - Trucks) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	lb/day										lb/day					
Area	29.1638	4.1100e-003	0.4517	3.0000e-005		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003		0.9683	0.9683	2.5400e-003		1.0318
Energy	0.0749	0.6813	0.5723	4.0900e-003		0.0518	0.0518		0.0518	0.0518		817.5430	817.5430	0.0157	0.0150	822.4012
Mobile	1.4140	81.3854	17.6685	0.4686	16.8718	0.9873	17.8591	4.6879	0.9445	5.6324		49,869.4364	49,869.4364	0.6244	7.5067	52,122.0415
Offroad	0.5516	5.1804	3.7460	0.0158		0.1880	0.1880		0.1729	0.1729	0.0000	1,532.7255	1,532.7255	0.4957		1,545.1184
Total	31.2044	87.2512	22.4384	0.4886	16.8718	1.2286	18.1005	4.6879	1.1708	5.8587	0.0000	52,220.6732	52,220.6732	1.1383	7.5217	54,490.5929

	ROG	NOx	CO	SO2	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	5/1/2021	4/30/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Rubidoux Warehouse (Building 1 Operations - Trucks) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2021

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Rubidoux Warehouse (Building 1 Operations - Trucks) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	lb/day										lb/day					
Mitigated	1.4140	81.3854	17.6685	0.4686	16.8718	0.9873	17.8591	4.6879	0.9445	5.6324		49,869.4364	49,869.4364	0.6244	7.5067	52,122.0415
Unmitigated	1.4140	81.3854	17.6685	0.4686	16.8718	0.9873	17.8591	4.6879	0.9445	5.6324		49,869.4364	49,869.4364	0.6244	7.5067	52,122.0415

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	478.01	478.01	478.01	6,959,814	6,959,814
Total	478.01	478.01	478.01	6,959,814	6,959,814

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
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	40.00	8.40	6.90	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Rubidoux Warehouse (Building 1 Operations - Trucks) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Other Non-Asphalt Surfaces	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Parking Lot	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Unrefrigerated Warehouse-No Rail	0.000000	0.000000	0.000000	0.000000	0.106700	0.000000	0.106700	0.786600	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.0749	0.6813	0.5723	4.0900e-003		0.0518	0.0518		0.0518	0.0518		817.5430	817.5430	0.0157	0.0150	822.4012
NaturalGas Unmitigated	0.0749	0.6813	0.5723	4.0900e-003		0.0518	0.0518		0.0518	0.0518		817.5430	817.5430	0.0157	0.0150	822.4012

Rubidoux Warehouse (Building 1 Operations - Trucks) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	lb/day										lb/day					
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
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	6949.12	0.0749	0.6813	0.5723	4.0900e-003		0.0518	0.0518		0.0518	0.0518		817.5430	817.5430	0.0157	0.0150	822.4012
Total		0.0749	0.6813	0.5723	4.0900e-003		0.0518	0.0518		0.0518	0.0518		817.5430	817.5430	0.0157	0.0150	822.4012

Rubidoux Warehouse (Building 1 Operations - Trucks) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
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	6.94912	0.0749	0.6813	0.5723	4.0900e-003		0.0518	0.0518		0.0518	0.0518		817.5430	817.5430	0.0157	0.0150	822.4012
Total		0.0749	0.6813	0.5723	4.0900e-003		0.0518	0.0518		0.0518	0.0518		817.5430	817.5430	0.0157	0.0150	822.4012

6.0 Area Detail

6.1 Mitigation Measures Area

Rubidoux Warehouse (Building 1 Operations - Trucks) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	lb/day										lb/day					
Mitigated	29.1638	4.1100e-003	0.4517	3.0000e-005		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003		0.9683	0.9683	2.5400e-003		1.0318
Unmitigated	29.1638	4.1100e-003	0.4517	3.0000e-005		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003		0.9683	0.9683	2.5400e-003		1.0318

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	3.3698					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	25.7522					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0418	4.1100e-003	0.4517	3.0000e-005		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003		0.9683	0.9683	2.5400e-003		1.0318
Total	29.1638	4.1100e-003	0.4517	3.0000e-005		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003		0.9683	0.9683	2.5400e-003		1.0318

Rubidoux Warehouse (Building 1 Operations - Trucks) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	3.3698					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	25.7522					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0418	4.1100e-003	0.4517	3.0000e-005		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003		0.9683	0.9683	2.5400e-003		1.0318
Total	29.1638	4.1100e-003	0.4517	3.0000e-005		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003		0.9683	0.9683	2.5400e-003		1.0318

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Tractors/Loaders/Backhoes	5	4.00	365	200	0.37	CNG

Rubidoux Warehouse (Building 1 Operations - Trucks) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

UnMitigated/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
Equipment Type	lb/day										lb/day					
Tractors/Loaders/Backhoes	0.5516	5.1804	3.7460	0.0158		0.1880	0.1880		0.1729	0.1729	0.0000	1,532.7255	1,532.7255	0.4957		1,545.1184
Total	0.5516	5.1804	3.7460	0.0158		0.1880	0.1880		0.1729	0.1729	0.0000	1,532.7255	1,532.7255	0.4957		1,545.1184

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Rubidoux Warehouse (Building 1 Operations - Trucks) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Rubidoux Warehouse (Building 1 Operations - Trucks)

Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	1,261.90	1000sqft	28.96	1,261,904.00	0
Other Asphalt Surfaces	869.72	1000sqft	19.97	869,715.00	0
Other Non-Asphalt Surfaces	990.87	1000sqft	22.75	990,869.00	0
Parking Lot	1,302.00	Space	6.96	303,437.96	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	390.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Total Area is the sum of Building 1 Area + 57,287 sf of Public Street

Construction Phase - Operations run only

Off-road Equipment - Operations run only

Vehicle Trips - Trip Rates based on information provided in the Rubidoux Warehouse Traffic Impact Analysis report and Trip Lengths based on information from the Rubidoux Warehouse VMT Memo

Operational Off-Road Equipment - Based on SCAQMD High Cube Warehouse Truck Trip Study White Paper Summary of Business Survey Results (2014)

Fleet Mix - Truck Fleet Mix estimated by ratioing the Trip Rates for each truck type based on information provided in the Traffic Analysis

Rubidoux Warehouse (Building 1 Operations - Trucks) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	0.00
tblConstructionPhase	PhaseEndDate	9/17/2021	4/30/2021
tblFleetMix	HHD	0.02	0.79
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.03	0.11
tblFleetMix	LHD2	7.3100e-003	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	5.4680e-003	0.00
tblFleetMix	MHD	0.01	0.11
tblFleetMix	OBUS	6.1600e-004	0.00
tblFleetMix	SBUS	1.1000e-003	0.00
tblFleetMix	UBUS	3.1500e-004	0.00
tblLandUse	LandUseSquareFeet	1,261,900.00	1,261,904.00
tblLandUse	LandUseSquareFeet	520,800.00	303,437.96
tblLandUse	LotAcreage	28.97	28.96
tblLandUse	LotAcreage	11.72	6.96
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	5.00
tblVehicleTrips	CNW_TTP	41.00	0.00

Rubidoux Warehouse (Building 1 Operations - Trucks) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.74	0.38
tblVehicleTrips	SU_TR	1.74	0.38
tblVehicleTrips	WD_TR	1.74	0.38

2.0 Emissions Summary

Rubidoux Warehouse (Building 1 Operations - Trucks) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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					
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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

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

Rubidoux Warehouse (Building 1 Operations - Trucks) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

		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	5.3200	5.1000e-004	0.0565	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.1098	0.1098	2.9000e-004	0.0000	0.1170
Energy	0.0137	0.1243	0.1044	7.5000e-004		9.4500e-003	9.4500e-003		9.4500e-003	9.4500e-003	0.0000	673.3880	673.3880	0.0480	7.9900e-003	676.9679
Mobile	0.2642	14.8183	3.1893	0.0852	3.0266	0.1794	3.2060	0.8424	0.1716	1.0140	0.0000	8,220.7313	8,220.7313	0.1033	1.2375	8,592.0729
Offroad	0.1007	0.9454	0.6837	2.8900e-003		0.0343	0.0343		0.0316	0.0316	0.0000	253.7596	253.7596	0.0821	0.0000	255.8114
Waste						0.0000	0.0000		0.0000	0.0000	240.7859	0.0000	240.7859	14.2300	0.0000	596.5368
Water						0.0000	0.0000		0.0000	0.0000	92.5792	673.8625	766.4418	9.5657	0.2314	1,074.5453
Total	5.6985	15.8886	4.0339	0.0888	3.0266	0.2234	3.2499	0.8424	0.2128	1.0552	333.3651	9,821.8512	10,155.2163	24.0293	1.4769	11,196.0512

Rubidoux Warehouse (Building 1 Operations - Trucks) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	5.3200	5.1000e-004	0.0565	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.1098	0.1098	2.9000e-004	0.0000	0.1170
Energy	0.0137	0.1243	0.1044	7.5000e-004		9.4500e-003	9.4500e-003		9.4500e-003	9.4500e-003	0.0000	673.3880	673.3880	0.0480	7.9900e-003	676.9679
Mobile	0.2642	14.8183	3.1893	0.0852	3.0266	0.1794	3.2060	0.8424	0.1716	1.0140	0.0000	8,220.7313	8,220.7313	0.1033	1.2375	8,592.0729
Offroad	0.1007	0.9454	0.6837	2.8900e-003		0.0343	0.0343		0.0316	0.0316	0.0000	253.7596	253.7596	0.0821	0.0000	255.8114
Waste						0.0000	0.0000		0.0000	0.0000	240.7859	0.0000	240.7859	14.2300	0.0000	596.5368
Water						0.0000	0.0000		0.0000	0.0000	92.5792	673.8625	766.4418	9.5657	0.2314	1,074.5453
Total	5.6985	15.8886	4.0339	0.0888	3.0266	0.2234	3.2499	0.8424	0.2128	1.0552	333.3651	9,821.8512	10,155.2163	24.0293	1.4769	11,196.0512

	ROG	NOx	CO	SO2	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	5/1/2021	4/30/2021	5	0	

Rubidoux Warehouse (Building 1 Operations - Trucks) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 49.68

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	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40

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

Rubidoux Warehouse (Building 1 Operations - Trucks) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	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	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive 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

Rubidoux Warehouse (Building 1 Operations - Trucks) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	tons/yr										MT/yr					
Mitigated	0.2642	14.8183	3.1893	0.0852	3.0266	0.1794	3.2060	0.8424	0.1716	1.0140	0.0000	8,220.7313	8,220.7313	0.1033	1.2375	8,592.0729
Unmitigated	0.2642	14.8183	3.1893	0.0852	3.0266	0.1794	3.2060	0.8424	0.1716	1.0140	0.0000	8,220.7313	8,220.7313	0.1033	1.2375	8,592.0729

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	478.01	478.01	478.01	6,959,814	6,959,814
Total	478.01	478.01	478.01	6,959,814	6,959,814

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
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	40.00	8.40	6.90	100.00	0.00	0.00	100	0	0

Rubidoux Warehouse (Building 1 Operations - Trucks) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Other Non-Asphalt Surfaces	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Parking Lot	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Unrefrigerated Warehouse-No Rail	0.000000	0.000000	0.000000	0.000000	0.106700	0.000000	0.106700	0.786600	0.000000	0.000000	0.000000	0.000000	0.000000

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	538.0346	538.0346	0.0454	5.5000e-003	540.8102
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	538.0346	538.0346	0.0454	5.5000e-003	540.8102
NaturalGas Mitigated	0.0137	0.1243	0.1044	7.5000e-004		9.4500e-003	9.4500e-003		9.4500e-003	9.4500e-003	0.0000	135.3534	135.3534	2.5900e-003	2.4800e-003	136.1577
NaturalGas Unmitigated	0.0137	0.1243	0.1044	7.5000e-004		9.4500e-003	9.4500e-003		9.4500e-003	9.4500e-003	0.0000	135.3534	135.3534	2.5900e-003	2.4800e-003	136.1577

Rubidoux Warehouse (Building 1 Operations - Trucks) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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					
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
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	2.53643e+006	0.0137	0.1243	0.1044	7.5000e-004		9.4500e-003	9.4500e-003		9.4500e-003	9.4500e-003	0.0000	135.3534	135.3534	2.5900e-003	2.4800e-003	136.1577
Total		0.0137	0.1243	0.1044	7.5000e-004		9.4500e-003	9.4500e-003		9.4500e-003	9.4500e-003	0.0000	135.3534	135.3534	2.5900e-003	2.4800e-003	136.1577

Rubidoux Warehouse (Building 1 Operations - Trucks) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
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	2.53643e+006	0.0137	0.1243	0.1044	7.5000e-004		9.4500e-003	9.4500e-003		9.4500e-003	9.4500e-003	0.0000	135.3534	135.3534	2.5900e-003	2.4800e-003	136.1577
Total		0.0137	0.1243	0.1044	7.5000e-004		9.4500e-003	9.4500e-003		9.4500e-003	9.4500e-003	0.0000	135.3534	135.3534	2.5900e-003	2.4800e-003	136.1577

Rubidoux Warehouse (Building 1 Operations - Trucks) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	106203	18.8347	1.5900e-003	1.9000e-004	18.9318
Unrefrigerated Warehouse-No Rail	2.92762e+006	519.1999	0.0438	5.3100e-003	521.8784
Total		538.0346	0.0454	5.5000e-003	540.8102

Rubidoux Warehouse (Building 1 Operations - Trucks) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	106203	18.8347	1.5900e-003	1.9000e-004	18.9318
Unrefrigerated Warehouse-No Rail	2.92762e+006	519.1999	0.0438	5.3100e-003	521.8784
Total		538.0346	0.0454	5.5000e-003	540.8102

6.0 Area Detail

6.1 Mitigation Measures Area

Rubidoux Warehouse (Building 1 Operations - Trucks) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	5.3200	5.1000e-004	0.0565	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.1098	0.1098	2.9000e-004	0.0000	0.1170
Unmitigated	5.3200	5.1000e-004	0.0565	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.1098	0.1098	2.9000e-004	0.0000	0.1170

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	0.6150					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.6998					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.2300e-003	5.1000e-004	0.0565	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.1098	0.1098	2.9000e-004	0.0000	0.1170
Total	5.3200	5.1000e-004	0.0565	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.1098	0.1098	2.9000e-004	0.0000	0.1170

Rubidoux Warehouse (Building 1 Operations - Trucks) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.6150					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.6998					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.2300e-003	5.1000e-004	0.0565	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.1098	0.1098	2.9000e-004	0.0000	0.1170
Total	5.3200	5.1000e-004	0.0565	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.1098	0.1098	2.9000e-004	0.0000	0.1170

7.0 Water Detail

7.1 Mitigation Measures Water

Rubidoux Warehouse (Building 1 Operations - Trucks) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	766.4418	9.5657	0.2314	1,074.5453
Unmitigated	766.4418	9.5657	0.2314	1,074.5453

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	291.814 / 0	766.4418	9.5657	0.2314	1,074.5453
Total		766.4418	9.5657	0.2314	1,074.5453

Rubidoux Warehouse (Building 1 Operations - Trucks) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	291.814 / 0	766.4418	9.5657	0.2314	1,074.5453
Total		766.4418	9.5657	0.2314	1,074.5453

8.0 Waste Detail

8.1 Mitigation Measures Waste

Rubidoux Warehouse (Building 1 Operations - Trucks) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	240.7859	14.2300	0.0000	596.5368
Unmitigated	240.7859	14.2300	0.0000	596.5368

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	1186.19	240.7859	14.2300	0.0000	596.5368
Total		240.7859	14.2300	0.0000	596.5368

Rubidoux Warehouse (Building 1 Operations - Trucks) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	1186.19	240.7859	14.2300	0.0000	596.5368
Total		240.7859	14.2300	0.0000	596.5368

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Tractors/Loaders/Backhoes	5	4.00	365	200	0.37	CNG

Rubidoux Warehouse (Building 1 Operations - Trucks) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

UnMitigated/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
Equipment Type	tons/yr										MT/yr					
Tractors/Loaders/Backhoes	0.1007	0.9454	0.6837	2.8900e-003		0.0343	0.0343		0.0316	0.0316	0.0000	253.7596	253.7596	0.0821	0.0000	255.8114
Total	0.1007	0.9454	0.6837	2.8900e-003		0.0343	0.0343		0.0316	0.0316	0.0000	253.7596	253.7596	0.0821	0.0000	255.8114

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Rubidoux Warehouse (Building 2 Operations - Passenger Cars) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Rubidoux Warehouse (Building 2 Operations - Passenger Cars)

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	37.45	1000sqft	0.86	37,454.00	0
Other Asphalt Surfaces	45.91	1000sqft	1.05	45,906.00	0
Other Non-Asphalt Surfaces	19.97	1000sqft	0.46	19,966.00	0
Parking Lot	55.00	Space	0.29	12,818.04	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Total Area is the sum of Building 2 Area + 3,024 sf of Public Street

Construction Phase - Operations run only

Off-road Equipment - Operations run only

Vehicle Trips - Trip Rates based on information provided in the Rubidoux Warehouse Traffic Impact Analysis report and Trip Lengths based on information from the Rubidoux Warehouse VMT Memo

Fleet Mix - Passenger Car Fleet Mix estimated based on the ratio of the vehicle classes in CalEEMod default fleet mix

Operational Off-Road Equipment - Based on SCAQMD High Cube Warehouse Truck Trip Study White Paper Summary of Business Survey Results (2014)

Rubidoux Warehouse (Building 2 Operations - Passenger Cars) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	PhaseEndDate	5/28/2021	4/30/2021
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.53	0.59
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT2	0.17	0.19
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.3100e-003	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.14	0.16
tblFleetMix	MH	5.4680e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	6.1600e-004	0.00
tblFleetMix	SBUS	1.1000e-003	0.00
tblFleetMix	UBUS	3.1500e-004	0.00
tblLandUse	LandUseSquareFeet	22,000.00	12,818.04
tblLandUse	LotAcreage	0.49	0.29
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CW_TL	16.60	11.70

Rubidoux Warehouse (Building 2 Operations - Passenger Cars) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.99	1.59
tblVehicleTrips	SU_TR	5.00	3.99
tblVehicleTrips	WD_TR	4.96	4.00

2.0 Emissions Summary

Rubidoux Warehouse (Building 2 Operations - Passenger Cars) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.8721	1.5000e-004	0.0162	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0347	0.0347	9.0000e-005		0.0369
Energy	0.0358	0.3253	0.2732	1.9500e-003		0.0247	0.0247		0.0247	0.0247		390.2942	390.2942	7.4800e-003	7.1600e-003	392.6135
Mobile	0.2750	0.2559	4.0962	0.0121	1.3333	5.9200e-003	1.3392	0.3534	5.4500e-003	0.3589		1,234.6848	1,234.6848	0.0283	0.0291	1,244.0510
Offroad	0.1103	1.0361	0.7492	3.1700e-003		0.0376	0.0376		0.0346	0.0346	0.0000	306.5451	306.5451	0.0991		309.0237
Total	1.2932	1.6174	5.1348	0.0172	1.3333	0.0683	1.4016	0.3534	0.0648	0.4183	0.0000	1,931.5587	1,931.5587	0.1350	0.0362	1,945.7251

Rubidoux Warehouse (Building 2 Operations - Passenger Cars) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	lb/day										lb/day					
Area	0.8721	1.5000e-004	0.0162	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0347	0.0347	9.0000e-005		0.0369
Energy	0.0358	0.3253	0.2732	1.9500e-003		0.0247	0.0247		0.0247	0.0247		390.2942	390.2942	7.4800e-003	7.1600e-003	392.6135
Mobile	0.2750	0.2559	4.0962	0.0121	1.3333	5.9200e-003	1.3392	0.3534	5.4500e-003	0.3589		1,234.6848	1,234.6848	0.0283	0.0291	1,244.0510
Offroad	0.1103	1.0361	0.7492	3.1700e-003		0.0376	0.0376		0.0346	0.0346	0.0000	306.5451	306.5451	0.0991		309.0237
Total	1.2932	1.6174	5.1348	0.0172	1.3333	0.0683	1.4016	0.3534	0.0648	0.4183	0.0000	1,931.5587	1,931.5587	0.1350	0.0362	1,945.7251

	ROG	NOx	CO	SO2	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	5/1/2021	4/30/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Rubidoux Warehouse (Building 2 Operations - Passenger Cars) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2021

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Rubidoux Warehouse (Building 2 Operations - Passenger Cars) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	lb/day										lb/day					
Mitigated	0.2750	0.2559	4.0962	0.0121	1.3333	5.9200e-003	1.3392	0.3534	5.4500e-003	0.3589		1,234.6848	1,234.6848	0.0283	0.0291	1,244.0510
Unmitigated	0.2750	0.2559	4.0962	0.0121	1.3333	5.9200e-003	1.3392	0.3534	5.4500e-003	0.3589		1,234.6848	1,234.6848	0.0283	0.0291	1,244.0510

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	150.00	59.47	149.42	583,386	583,386
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	150.00	59.47	149.42	583,386	583,386

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	11.70	8.40	6.90	100.00	0.00	0.00	100	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Rubidoux Warehouse (Building 2 Operations - Passenger Cars) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.591300	0.061900	0.190900	0.155900	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Other Asphalt Surfaces	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Other Non-Asphalt Surfaces	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Parking Lot	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468

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	0.0358	0.3253	0.2732	1.9500e-003		0.0247	0.0247		0.0247	0.0247		390.2942	390.2942	7.4800e-003	7.1600e-003	392.6135
NaturalGas Unmitigated	0.0358	0.3253	0.2732	1.9500e-003		0.0247	0.0247		0.0247	0.0247		390.2942	390.2942	7.4800e-003	7.1600e-003	392.6135

Rubidoux Warehouse (Building 2 Operations - Passenger Cars) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	lb/day										lb/day					
General Light Industry	3317.5	0.0358	0.3253	0.2732	1.9500e-003		0.0247	0.0247		0.0247	0.0247		390.2942	390.2942	7.4800e-003	7.1600e-003	392.6135
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
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		0.0358	0.3253	0.2732	1.9500e-003		0.0247	0.0247		0.0247	0.0247		390.2942	390.2942	7.4800e-003	7.1600e-003	392.6135

Rubidoux Warehouse (Building 2 Operations - Passenger Cars) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - Natural Gas

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	lb/day										lb/day						
General Light Industry	3.3175	0.0358	0.3253	0.2732	1.9500e-003		0.0247	0.0247		0.0247	0.0247			390.2942	390.2942	7.4800e-003	7.1600e-003	392.6135
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
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		0.0358	0.3253	0.2732	1.9500e-003		0.0247	0.0247		0.0247	0.0247			390.2942	390.2942	7.4800e-003	7.1600e-003	392.6135

6.0 Area Detail

6.1 Mitigation Measures Area

Rubidoux Warehouse (Building 2 Operations - Passenger Cars) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	lb/day										lb/day					
Mitigated	0.8721	1.5000e-004	0.0162	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0347	0.0347	9.0000e-005		0.0369
Unmitigated	0.8721	1.5000e-004	0.0162	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0347	0.0347	9.0000e-005		0.0369

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	0.1011					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7695					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5000e-003	1.5000e-004	0.0162	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0347	0.0347	9.0000e-005		0.0369
Total	0.8721	1.5000e-004	0.0162	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0347	0.0347	9.0000e-005		0.0369

Rubidoux Warehouse (Building 2 Operations - Passenger Cars) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.1011					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7695					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5000e-003	1.5000e-004	0.0162	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0347	0.0347	9.0000e-005		0.0369
Total	0.8721	1.5000e-004	0.0162	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0347	0.0347	9.0000e-005		0.0369

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Tractors/Loaders/Backhoes	1	4.00	365	200	0.37	CNG

Rubidoux Warehouse (Building 2 Operations - Passenger Cars) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

UnMitigated/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
Equipment Type	lb/day										lb/day					
Tractors/Loaders/Backhoes	0.1103	1.0361	0.7492	3.1700e-003		0.0376	0.0376		0.0346	0.0346	0.0000	306.5451	306.5451	0.0991		309.0237
Total	0.1103	1.0361	0.7492	3.1700e-003		0.0376	0.0376		0.0346	0.0346	0.0000	306.5451	306.5451	0.0991		309.0237

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Rubidoux Warehouse (Building 2 Operations - Passenger Cars) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Rubidoux Warehouse (Building 2 Operations - Passenger Cars)

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	37.45	1000sqft	0.86	37,454.00	0
Other Asphalt Surfaces	45.91	1000sqft	1.05	45,906.00	0
Other Non-Asphalt Surfaces	19.97	1000sqft	0.46	19,966.00	0
Parking Lot	55.00	Space	0.29	12,818.04	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Total Area is the sum of Building 2 Area + 3,024 sf of Public Street

Construction Phase - Operations run only

Off-road Equipment - Operations run only

Vehicle Trips - Trip Rates based on information provided in the Rubidoux Warehouse Traffic Impact Analysis report and Trip Lengths based on information from the Rubidoux Warehouse VMT Memo

Fleet Mix - Passenger Car Fleet Mix estimated based on the ratio of the vehicle classes in CalEEMod default fleet mix

Operational Off-Road Equipment - Based on SCAQMD High Cube Warehouse Truck Trip Study White Paper Summary of Business Survey Results (2014)

Rubidoux Warehouse (Building 2 Operations - Passenger Cars) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	PhaseEndDate	5/28/2021	4/30/2021
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.53	0.59
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT2	0.17	0.19
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.3100e-003	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.14	0.16
tblFleetMix	MH	5.4680e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	6.1600e-004	0.00
tblFleetMix	SBUS	1.1000e-003	0.00
tblFleetMix	UBUS	3.1500e-004	0.00
tblLandUse	LandUseSquareFeet	22,000.00	12,818.04
tblLandUse	LotAcreage	0.49	0.29
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CW_TL	16.60	11.70

Rubidoux Warehouse (Building 2 Operations - Passenger Cars) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.99	1.59
tblVehicleTrips	SU_TR	5.00	3.99
tblVehicleTrips	WD_TR	4.96	4.00

2.0 Emissions Summary

Rubidoux Warehouse (Building 2 Operations - Passenger Cars) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.8721	1.5000e-004	0.0162	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0347	0.0347	9.0000e-005		0.0369
Energy	0.0358	0.3253	0.2732	1.9500e-003		0.0247	0.0247		0.0247	0.0247		390.2942	390.2942	7.4800e-003	7.1600e-003	392.6135
Mobile	0.2224	0.2651	3.3930	0.0110	1.3333	5.9200e-003	1.3392	0.3534	5.4500e-003	0.3589		1,123.0798	1,123.0798	0.0289	0.0297	1,132.6580
Offroad	0.1103	1.0361	0.7492	3.1700e-003		0.0376	0.0376		0.0346	0.0346	0.0000	306.5451	306.5451	0.0991		309.0237
Total	1.2406	1.6265	4.4316	0.0161	1.3333	0.0683	1.4016	0.3534	0.0648	0.4183	0.0000	1,819.9538	1,819.9538	0.1357	0.0369	1,834.3321

Rubidoux Warehouse (Building 2 Operations - Passenger Cars) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	lb/day										lb/day					
Area	0.8721	1.5000e-004	0.0162	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0347	0.0347	9.0000e-005		0.0369
Energy	0.0358	0.3253	0.2732	1.9500e-003		0.0247	0.0247		0.0247	0.0247		390.2942	390.2942	7.4800e-003	7.1600e-003	392.6135
Mobile	0.2224	0.2651	3.3930	0.0110	1.3333	5.9200e-003	1.3392	0.3534	5.4500e-003	0.3589		1,123.0798	1,123.0798	0.0289	0.0297	1,132.6580
Offroad	0.1103	1.0361	0.7492	3.1700e-003		0.0376	0.0376		0.0346	0.0346	0.0000	306.5451	306.5451	0.0991		309.0237
Total	1.2406	1.6265	4.4316	0.0161	1.3333	0.0683	1.4016	0.3534	0.0648	0.4183	0.0000	1,819.9538	1,819.9538	0.1357	0.0369	1,834.3321

	ROG	NOx	CO	SO2	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	5/1/2021	4/30/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Rubidoux Warehouse (Building 2 Operations - Passenger Cars) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2021

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Rubidoux Warehouse (Building 2 Operations - Passenger Cars) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	lb/day										lb/day					
Mitigated	0.2224	0.2651	3.3930	0.0110	1.3333	5.9200e-003	1.3392	0.3534	5.4500e-003	0.3589		1,123.0798	1,123.0798	0.0289	0.0297	1,132.6580
Unmitigated	0.2224	0.2651	3.3930	0.0110	1.3333	5.9200e-003	1.3392	0.3534	5.4500e-003	0.3589		1,123.0798	1,123.0798	0.0289	0.0297	1,132.6580

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	150.00	59.47	149.42	583,386	583,386
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	150.00	59.47	149.42	583,386	583,386

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	11.70	8.40	6.90	100.00	0.00	0.00	100	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Rubidoux Warehouse (Building 2 Operations - Passenger Cars) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.591300	0.061900	0.190900	0.155900	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Other Asphalt Surfaces	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Other Non-Asphalt Surfaces	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Parking Lot	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468

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	0.0358	0.3253	0.2732	1.9500e-003		0.0247	0.0247		0.0247	0.0247		390.2942	390.2942	7.4800e-003	7.1600e-003	392.6135
NaturalGas Unmitigated	0.0358	0.3253	0.2732	1.9500e-003		0.0247	0.0247		0.0247	0.0247		390.2942	390.2942	7.4800e-003	7.1600e-003	392.6135

Rubidoux Warehouse (Building 2 Operations - Passenger Cars) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	lb/day										lb/day					
General Light Industry	3317.5	0.0358	0.3253	0.2732	1.9500e-003		0.0247	0.0247		0.0247	0.0247		390.2942	390.2942	7.4800e-003	7.1600e-003	392.6135
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
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		0.0358	0.3253	0.2732	1.9500e-003		0.0247	0.0247		0.0247	0.0247		390.2942	390.2942	7.4800e-003	7.1600e-003	392.6135

Rubidoux Warehouse (Building 2 Operations - Passenger Cars) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
General Light Industry	3.3175	0.0358	0.3253	0.2732	1.9500e-003		0.0247	0.0247		0.0247	0.0247			390.2942	390.2942	7.4800e-003	7.1600e-003	392.6135
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
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		0.0358	0.3253	0.2732	1.9500e-003		0.0247	0.0247		0.0247	0.0247			390.2942	390.2942	7.4800e-003	7.1600e-003	392.6135

6.0 Area Detail

6.1 Mitigation Measures Area

Rubidoux Warehouse (Building 2 Operations - Passenger Cars) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	lb/day										lb/day					
Mitigated	0.8721	1.5000e-004	0.0162	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0347	0.0347	9.0000e-005		0.0369
Unmitigated	0.8721	1.5000e-004	0.0162	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0347	0.0347	9.0000e-005		0.0369

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	0.1011					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7695					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5000e-003	1.5000e-004	0.0162	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0347	0.0347	9.0000e-005		0.0369
Total	0.8721	1.5000e-004	0.0162	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0347	0.0347	9.0000e-005		0.0369

Rubidoux Warehouse (Building 2 Operations - Passenger Cars) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.1011					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7695					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5000e-003	1.5000e-004	0.0162	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0347	0.0347	9.0000e-005		0.0369
Total	0.8721	1.5000e-004	0.0162	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0347	0.0347	9.0000e-005		0.0369

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Tractors/Loaders/Backhoes	1	4.00	365	200	0.37	CNG

Rubidoux Warehouse (Building 2 Operations - Passenger Cars) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

UnMitigated/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
Equipment Type	lb/day										lb/day					
Tractors/Loaders/Backhoes	0.1103	1.0361	0.7492	3.1700e-003		0.0376	0.0376		0.0346	0.0346	0.0000	306.5451	306.5451	0.0991		309.0237
Total	0.1103	1.0361	0.7492	3.1700e-003		0.0376	0.0376		0.0346	0.0346	0.0000	306.5451	306.5451	0.0991		309.0237

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Rubidoux Warehouse (Building 2 Operations - Passenger Cars) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Rubidoux Warehouse (Building 2 Operations - Passenger Cars)

Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	37.45	1000sqft	0.86	37,454.00	0
Other Asphalt Surfaces	45.91	1000sqft	1.05	45,906.00	0
Other Non-Asphalt Surfaces	19.97	1000sqft	0.46	19,966.00	0
Parking Lot	55.00	Space	0.29	12,818.04	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Total Area is the sum of Building 2 Area + 3,024 sf of Public Street

Construction Phase - Operations run only

Off-road Equipment - Operations run only

Vehicle Trips - Trip Rates based on information provided in the Rubidoux Warehouse Traffic Impact Analysis report and Trip Lengths based on information from the Rubidoux Warehouse VMT Memo

Fleet Mix - Passenger Car Fleet Mix estimated based on the ratio of the vehicle classes in CalEEMod default fleet mix

Operational Off-Road Equipment - Based on SCAQMD High Cube Warehouse Truck Trip Study White Paper Summary of Business Survey Results (2014)

Rubidoux Warehouse (Building 2 Operations - Passenger Cars) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	PhaseEndDate	5/28/2021	4/30/2021
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.53	0.59
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT2	0.17	0.19
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.3100e-003	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.14	0.16
tblFleetMix	MH	5.4680e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	6.1600e-004	0.00
tblFleetMix	SBUS	1.1000e-003	0.00
tblFleetMix	UBUS	3.1500e-004	0.00
tblLandUse	LandUseSquareFeet	22,000.00	12,818.04
tblLandUse	LotAcreage	0.49	0.29
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CW_TL	16.60	11.70

Rubidoux Warehouse (Building 2 Operations - Passenger Cars) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.99	1.59
tblVehicleTrips	SU_TR	5.00	3.99
tblVehicleTrips	WD_TR	4.96	4.00

2.0 Emissions Summary

Rubidoux Warehouse (Building 2 Operations - Passenger Cars) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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					
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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

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

Rubidoux Warehouse (Building 2 Operations - Passenger Cars) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

		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	0.1591	2.0000e-005	2.0200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.9300e-003	3.9300e-003	1.0000e-005	0.0000	4.1900e-003
Energy	6.5300e-003	0.0594	0.0499	3.6000e-004		4.5100e-003	4.5100e-003		4.5100e-003	4.5100e-003	0.0000	131.3048	131.3048	6.8700e-003	1.8700e-003	132.0329
Mobile	0.0378	0.0451	0.5906	1.8600e-003	0.2179	9.8000e-004	0.2189	0.0578	9.0000e-004	0.0587	0.0000	172.8788	172.8788	4.3500e-003	4.5500e-003	174.3438
Offroad	0.0201	0.1891	0.1367	5.8000e-004		6.8600e-003	6.8600e-003		6.3100e-003	6.3100e-003	0.0000	50.7519	50.7519	0.0164	0.0000	51.1623
Waste						0.0000	0.0000		0.0000	0.0000	9.4269	0.0000	9.4269	0.5571	0.0000	23.3548
Water						0.0000	0.0000		0.0000	0.0000	2.7475	19.9985	22.7461	0.2839	6.8700e-003	31.8898
Total	0.2235	0.2936	0.7792	2.8000e-003	0.2179	0.0124	0.2303	0.0578	0.0117	0.0696	12.1744	374.9380	387.1124	0.8686	0.0133	412.7876

Rubidoux Warehouse (Building 2 Operations - Passenger Cars) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.1591	2.0000e-005	2.0200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.9300e-003	3.9300e-003	1.0000e-005	0.0000	4.1900e-003
Energy	6.5300e-003	0.0594	0.0499	3.6000e-004		4.5100e-003	4.5100e-003		4.5100e-003	4.5100e-003	0.0000	131.3048	131.3048	6.8700e-003	1.8700e-003	132.0329
Mobile	0.0378	0.0451	0.5906	1.8600e-003	0.2179	9.8000e-004	0.2189	0.0578	9.0000e-004	0.0587	0.0000	172.8788	172.8788	4.3500e-003	4.5500e-003	174.3438
Offroad	0.0201	0.1891	0.1367	5.8000e-004		6.8600e-003	6.8600e-003		6.3100e-003	6.3100e-003	0.0000	50.7519	50.7519	0.0164	0.0000	51.1623
Waste						0.0000	0.0000		0.0000	0.0000	9.4269	0.0000	9.4269	0.5571	0.0000	23.3548
Water						0.0000	0.0000		0.0000	0.0000	2.7475	19.9985	22.7461	0.2839	6.8700e-003	31.8898
Total	0.2235	0.2936	0.7792	2.8000e-003	0.2179	0.0124	0.2303	0.0578	0.0117	0.0696	12.1744	374.9380	387.1124	0.8686	0.0133	412.7876

	ROG	NOx	CO	SO2	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	5/1/2021	4/30/2021	5	0	

Rubidoux Warehouse (Building 2 Operations - Passenger Cars) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.8

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

Rubidoux Warehouse (Building 2 Operations - Passenger Cars) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	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	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive 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

Rubidoux Warehouse (Building 2 Operations - Passenger Cars) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	tons/yr										MT/yr					
Mitigated	0.0378	0.0451	0.5906	1.8600e-003	0.2179	9.8000e-004	0.2189	0.0578	9.0000e-004	0.0587	0.0000	172.8788	172.8788	4.3500e-003	4.5500e-003	174.3438
Unmitigated	0.0378	0.0451	0.5906	1.8600e-003	0.2179	9.8000e-004	0.2189	0.0578	9.0000e-004	0.0587	0.0000	172.8788	172.8788	4.3500e-003	4.5500e-003	174.3438

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	150.00	59.47	149.42	583,386	583,386
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	150.00	59.47	149.42	583,386	583,386

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	11.70	8.40	6.90	100.00	0.00	0.00	100	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

Rubidoux Warehouse (Building 2 Operations - Passenger Cars) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.591300	0.061900	0.190900	0.155900	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Other Asphalt Surfaces	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Other Non-Asphalt Surfaces	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Parking Lot	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468

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	66.6872	66.6872	5.6300e-003	6.8000e-004	67.0313
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	66.6872	66.6872	5.6300e-003	6.8000e-004	67.0313
NaturalGas Mitigated	6.5300e-003	0.0594	0.0499	3.6000e-004		4.5100e-003	4.5100e-003		4.5100e-003	4.5100e-003	0.0000	64.6176	64.6176	1.2400e-003	1.1800e-003	65.0016
NaturalGas Unmitigated	6.5300e-003	0.0594	0.0499	3.6000e-004		4.5100e-003	4.5100e-003		4.5100e-003	4.5100e-003	0.0000	64.6176	64.6176	1.2400e-003	1.1800e-003	65.0016

Rubidoux Warehouse (Building 2 Operations - Passenger Cars) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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					
General Light Industry	1.21089e+006	6.5300e-003	0.0594	0.0499	3.6000e-004		4.5100e-003	4.5100e-003		4.5100e-003	4.5100e-003	0.0000	64.6176	64.6176	1.2400e-003	1.1800e-003	65.0016
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
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		6.5300e-003	0.0594	0.0499	3.6000e-004		4.5100e-003	4.5100e-003		4.5100e-003	4.5100e-003	0.0000	64.6176	64.6176	1.2400e-003	1.1800e-003	65.0016

Rubidoux Warehouse (Building 2 Operations - Passenger Cars) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - Natural Gas

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					
General Light Industry	1.21089e+006	6.5300e-003	0.0594	0.0499	3.6000e-004		4.5100e-003	4.5100e-003		4.5100e-003	4.5100e-003	0.0000	64.6176	64.6176	1.2400e-003	1.1800e-003	65.0016
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
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		6.5300e-003	0.0594	0.0499	3.6000e-004		4.5100e-003	4.5100e-003		4.5100e-003	4.5100e-003	0.0000	64.6176	64.6176	1.2400e-003	1.1800e-003	65.0016

Rubidoux Warehouse (Building 2 Operations - Passenger Cars) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	371544	65.8916	5.5600e-003	6.7000e-004	66.2315
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	4486.31	0.7956	7.0000e-005	1.0000e-005	0.7997
Total		66.6873	5.6300e-003	6.8000e-004	67.0313

Rubidoux Warehouse (Building 2 Operations - Passenger Cars) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	371544	65.8916	5.5600e-003	6.7000e-004	66.2315
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	4486.31	0.7956	7.0000e-005	1.0000e-005	0.7997
Total		66.6873	5.6300e-003	6.8000e-004	67.0313

6.0 Area Detail

6.1 Mitigation Measures Area

Rubidoux Warehouse (Building 2 Operations - Passenger Cars) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.1591	2.0000e-005	2.0200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.9300e-003	3.9300e-003	1.0000e-005	0.0000	4.1900e-003
Unmitigated	0.1591	2.0000e-005	2.0200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.9300e-003	3.9300e-003	1.0000e-005	0.0000	4.1900e-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	0.0185					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1404					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.9000e-004	2.0000e-005	2.0200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.9300e-003	3.9300e-003	1.0000e-005	0.0000	4.1900e-003
Total	0.1591	2.0000e-005	2.0200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.9300e-003	3.9300e-003	1.0000e-005	0.0000	4.1900e-003

Rubidoux Warehouse (Building 2 Operations - Passenger Cars) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0185					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1404					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.9000e-004	2.0000e-005	2.0200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.9300e-003	3.9300e-003	1.0000e-005	0.0000	4.1900e-003
Total	0.1591	2.0000e-005	2.0200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.9300e-003	3.9300e-003	1.0000e-005	0.0000	4.1900e-003

7.0 Water Detail

7.1 Mitigation Measures Water

Rubidoux Warehouse (Building 2 Operations - Passenger Cars) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	22.7461	0.2839	6.8700e-003	31.8898
Unmitigated	22.7461	0.2839	6.8700e-003	31.8898

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	8.66031 / 0	22.7461	0.2839	6.8700e-003	31.8898
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		22.7461	0.2839	6.8700e-003	31.8898

Rubidoux Warehouse (Building 2 Operations - Passenger Cars) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	8.66031 / 0	22.7461	0.2839	6.8700e-003	31.8898
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		22.7461	0.2839	6.8700e-003	31.8898

8.0 Waste Detail

8.1 Mitigation Measures Waste

Rubidoux Warehouse (Building 2 Operations - Passenger Cars) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	9.4269	0.5571	0.0000	23.3548
Unmitigated	9.4269	0.5571	0.0000	23.3548

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	46.44	9.4269	0.5571	0.0000	23.3548
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		9.4269	0.5571	0.0000	23.3548

Rubidoux Warehouse (Building 2 Operations - Passenger Cars) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	46.44	9.4269	0.5571	0.0000	23.3548
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		9.4269	0.5571	0.0000	23.3548

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Tractors/Loaders/Backhoes	1	4.00	365	200	0.37	CNG

Rubidoux Warehouse (Building 2 Operations - Passenger Cars) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

UnMitigated/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
Equipment Type	tons/yr										MT/yr					
Tractors/Loaders/Backhoes	0.0201	0.1891	0.1367	5.8000e-004		6.8600e-003	6.8600e-003		6.3100e-003	6.3100e-003	0.0000	50.7519	50.7519	0.0164	0.0000	51.1623
Total	0.0201	0.1891	0.1367	5.8000e-004		6.8600e-003	6.8600e-003		6.3100e-003	6.3100e-003	0.0000	50.7519	50.7519	0.0164	0.0000	51.1623

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Rubidoux Warehouse (Building 2 Operations - Trucks) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Rubidoux Warehouse (Building 2 Operations - Trucks)

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	37.45	1000sqft	0.86	37,454.00	0
Other Asphalt Surfaces	45.91	1000sqft	1.05	45,906.00	0
Other Non-Asphalt Surfaces	19.97	1000sqft	0.46	19,966.00	0
Parking Lot	55.00	Space	0.29	12,818.04	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Total Area is the sum of Building 2 Area + 3,024 sf of Public Street

Construction Phase - Operations run only

Off-road Equipment - Operations run only

Vehicle Trips - Trip Rates based on information provided in the Rubidoux Warehouse Traffic Impact Analysis report and Trip Lengths based on information from the Rubidoux Warehouse VMT Memo

Fleet Mix - Truck Fleet Mix estimated by ratioing the Trip Rates for each truck type based on information provided in the Traffic Analysis

Operational Off-Road Equipment - Based on SCAQMD High Cube Warehouse Truck Trip Study White Paper Summary of Business Survey Results (2014)

Rubidoux Warehouse (Building 2 Operations - Trucks) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	PhaseEndDate	5/28/2021	4/30/2021
tblFleetMix	HHD	0.02	0.63
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.03	0.16
tblFleetMix	LHD2	7.3100e-003	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	5.4680e-003	0.00
tblFleetMix	MHD	0.01	0.21
tblFleetMix	OBUS	6.1600e-004	0.00
tblFleetMix	SBUS	1.1000e-003	0.00
tblFleetMix	UBUS	3.1500e-004	0.00
tblLandUse	LandUseSquareFeet	22,000.00	12,818.04
tblLandUse	LotAcreage	0.49	0.29
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CW_TL	16.60	40.00

Rubidoux Warehouse (Building 2 Operations - Trucks) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.99	0.40
tblVehicleTrips	SU_TR	5.00	1.01
tblVehicleTrips	WD_TR	4.96	1.01

2.0 Emissions Summary

Rubidoux Warehouse (Building 2 Operations - Trucks) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.8721	1.5000e-004	0.0162	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0347	0.0347	9.0000e-005		0.0369
Energy	0.0358	0.3253	0.2732	1.9500e-003		0.0247	0.0247		0.0247	0.0247		390.2942	390.2942	7.4800e-003	7.1600e-003	392.6135
Mobile	0.1154	5.5998	1.3537	0.0351	1.3555	0.0693	1.4248	0.3810	0.0663	0.4473		3,725.9422	3,725.9422	0.0419	0.5412	3,888.2555
Offroad	0.1103	1.0361	0.7492	3.1700e-003		0.0376	0.0376		0.0346	0.0346	0.0000	306.5451	306.5451	0.0991		309.0237
Total	1.1336	6.9613	2.3923	0.0402	1.3555	0.1317	1.4871	0.3810	0.1257	0.5067	0.0000	4,422.8162	4,422.8162	0.1487	0.5483	4,589.9296

Rubidoux Warehouse (Building 2 Operations - Trucks) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	lb/day										lb/day					
Area	0.8721	1.5000e-004	0.0162	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0347	0.0347	9.0000e-005		0.0369
Energy	0.0358	0.3253	0.2732	1.9500e-003		0.0247	0.0247		0.0247	0.0247		390.2942	390.2942	7.4800e-003	7.1600e-003	392.6135
Mobile	0.1154	5.5998	1.3537	0.0351	1.3555	0.0693	1.4248	0.3810	0.0663	0.4473		3,725.9422	3,725.9422	0.0419	0.5412	3,888.2555
Offroad	0.1103	1.0361	0.7492	3.1700e-003		0.0376	0.0376		0.0346	0.0346	0.0000	306.5451	306.5451	0.0991		309.0237
Total	1.1336	6.9613	2.3923	0.0402	1.3555	0.1317	1.4871	0.3810	0.1257	0.5067	0.0000	4,422.8162	4,422.8162	0.1487	0.5483	4,589.9296

	ROG	NOx	CO	SO2	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	5/1/2021	4/30/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Rubidoux Warehouse (Building 2 Operations - Trucks) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2021

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Rubidoux Warehouse (Building 2 Operations - Trucks) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	lb/day										lb/day					
Mitigated	0.1154	5.5998	1.3537	0.0351	1.3555	0.0693	1.4248	0.3810	0.0663	0.4473		3,725.942 2	3,725.942 2	0.0419	0.5412	3,888.255 5
Unmitigated	0.1154	5.5998	1.3537	0.0351	1.3555	0.0693	1.4248	0.3810	0.0663	0.4473		3,725.942 2	3,725.942 2	0.0419	0.5412	3,888.255 5

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	38.00	15.06	37.85	505,272	505,272
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	38.00	15.06	37.85	505,272	505,272

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	40.00	8.40	6.90	100.00	0.00	0.00	100	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Rubidoux Warehouse (Building 2 Operations - Trucks) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.000000	0.000000	0.000000	0.000000	0.157900	0.000000	0.210500	0.631600	0.000000	0.000000	0.000000	0.000000	0.000000
Other Asphalt Surfaces	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Other Non-Asphalt Surfaces	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Parking Lot	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468

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	0.0358	0.3253	0.2732	1.9500e-003		0.0247	0.0247		0.0247	0.0247		390.2942	390.2942	7.4800e-003	7.1600e-003	392.6135
NaturalGas Unmitigated	0.0358	0.3253	0.2732	1.9500e-003		0.0247	0.0247		0.0247	0.0247		390.2942	390.2942	7.4800e-003	7.1600e-003	392.6135

Rubidoux Warehouse (Building 2 Operations - Trucks) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	lb/day										lb/day					
General Light Industry	3317.5	0.0358	0.3253	0.2732	1.9500e-003		0.0247	0.0247		0.0247	0.0247		390.2942	390.2942	7.4800e-003	7.1600e-003	392.6135
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
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		0.0358	0.3253	0.2732	1.9500e-003		0.0247	0.0247		0.0247	0.0247		390.2942	390.2942	7.4800e-003	7.1600e-003	392.6135

Rubidoux Warehouse (Building 2 Operations - Trucks) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
General Light Industry	3.3175	0.0358	0.3253	0.2732	1.9500e-003		0.0247	0.0247		0.0247	0.0247			390.2942	390.2942	7.4800e-003	7.1600e-003	392.6135
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
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		0.0358	0.3253	0.2732	1.9500e-003		0.0247	0.0247		0.0247	0.0247			390.2942	390.2942	7.4800e-003	7.1600e-003	392.6135

6.0 Area Detail

6.1 Mitigation Measures Area

Rubidoux Warehouse (Building 2 Operations - Trucks) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	lb/day										lb/day					
Mitigated	0.8721	1.5000e-004	0.0162	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0347	0.0347	9.0000e-005		0.0369
Unmitigated	0.8721	1.5000e-004	0.0162	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0347	0.0347	9.0000e-005		0.0369

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	0.1011					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7695					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5000e-003	1.5000e-004	0.0162	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0347	0.0347	9.0000e-005		0.0369
Total	0.8721	1.5000e-004	0.0162	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0347	0.0347	9.0000e-005		0.0369

Rubidoux Warehouse (Building 2 Operations - Trucks) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.1011					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7695					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5000e-003	1.5000e-004	0.0162	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0347	0.0347	9.0000e-005		0.0369
Total	0.8721	1.5000e-004	0.0162	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0347	0.0347	9.0000e-005		0.0369

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Tractors/Loaders/Backhoes	1	4.00	365	200	0.37	CNG

Rubidoux Warehouse (Building 2 Operations - Trucks) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

UnMitigated/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
Equipment Type	lb/day										lb/day					
Tractors/Loaders/Backhoes	0.1103	1.0361	0.7492	3.1700e-003		0.0376	0.0376		0.0346	0.0346	0.0000	306.5451	306.5451	0.0991		309.0237
Total	0.1103	1.0361	0.7492	3.1700e-003		0.0376	0.0376		0.0346	0.0346	0.0000	306.5451	306.5451	0.0991		309.0237

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Rubidoux Warehouse (Building 2 Operations - Trucks) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Rubidoux Warehouse (Building 2 Operations - Trucks)

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	37.45	1000sqft	0.86	37,454.00	0
Other Asphalt Surfaces	45.91	1000sqft	1.05	45,906.00	0
Other Non-Asphalt Surfaces	19.97	1000sqft	0.46	19,966.00	0
Parking Lot	55.00	Space	0.29	12,818.04	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Total Area is the sum of Building 2 Area + 3,024 sf of Public Street

Construction Phase - Operations run only

Off-road Equipment - Operations run only

Vehicle Trips - Trip Rates based on information provided in the Rubidoux Warehouse Traffic Impact Analysis report and Trip Lengths based on information from the Rubidoux Warehouse VMT Memo

Fleet Mix - Truck Fleet Mix estimated by ratioing the Trip Rates for each truck type based on information provided in the Traffic Analysis

Operational Off-Road Equipment - Based on SCAQMD High Cube Warehouse Truck Trip Study White Paper Summary of Business Survey Results (2014)

Rubidoux Warehouse (Building 2 Operations - Trucks) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	PhaseEndDate	5/28/2021	4/30/2021
tblFleetMix	HHD	0.02	0.63
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.03	0.16
tblFleetMix	LHD2	7.3100e-003	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	5.4680e-003	0.00
tblFleetMix	MHD	0.01	0.21
tblFleetMix	OBUS	6.1600e-004	0.00
tblFleetMix	SBUS	1.1000e-003	0.00
tblFleetMix	UBUS	3.1500e-004	0.00
tblLandUse	LandUseSquareFeet	22,000.00	12,818.04
tblLandUse	LotAcreage	0.49	0.29
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CW_TL	16.60	40.00

Rubidoux Warehouse (Building 2 Operations - Trucks) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.99	0.40
tblVehicleTrips	SU_TR	5.00	1.01
tblVehicleTrips	WD_TR	4.96	1.01

2.0 Emissions Summary

Rubidoux Warehouse (Building 2 Operations - Trucks) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.8721	1.5000e-004	0.0162	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0347	0.0347	9.0000e-005		0.0369
Energy	0.0358	0.3253	0.2732	1.9500e-003		0.0247	0.0247		0.0247	0.0247		390.2942	390.2942	7.4800e-003	7.1600e-003	392.6135
Mobile	0.1110	5.9081	1.3637	0.0351	1.3555	0.0694	1.4248	0.3810	0.0663	0.4473		3,728.1348	3,728.1348	0.0417	0.5419	3,890.6645
Offroad	0.1103	1.0361	0.7492	3.1700e-003		0.0376	0.0376		0.0346	0.0346	0.0000	306.5451	306.5451	0.0991		309.0237
Total	1.1292	7.2696	2.4023	0.0403	1.3555	0.1317	1.4872	0.3810	0.1257	0.5067	0.0000	4,425.0088	4,425.0088	0.1484	0.5491	4,592.3386

Rubidoux Warehouse (Building 2 Operations - Trucks) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	lb/day										lb/day					
Area	0.8721	1.5000e-004	0.0162	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0347	0.0347	9.0000e-005		0.0369
Energy	0.0358	0.3253	0.2732	1.9500e-003		0.0247	0.0247		0.0247	0.0247		390.2942	390.2942	7.4800e-003	7.1600e-003	392.6135
Mobile	0.1110	5.9081	1.3637	0.0351	1.3555	0.0694	1.4248	0.3810	0.0663	0.4473		3,728.1348	3,728.1348	0.0417	0.5419	3,890.6645
Offroad	0.1103	1.0361	0.7492	3.1700e-003		0.0376	0.0376		0.0346	0.0346	0.0000	306.5451	306.5451	0.0991		309.0237
Total	1.1292	7.2696	2.4023	0.0403	1.3555	0.1317	1.4872	0.3810	0.1257	0.5067	0.0000	4,425.0088	4,425.0088	0.1484	0.5491	4,592.3386

	ROG	NOx	CO	SO2	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	5/1/2021	4/30/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Rubidoux Warehouse (Building 2 Operations - Trucks) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2021

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Rubidoux Warehouse (Building 2 Operations - Trucks) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	lb/day										lb/day					
Mitigated	0.1110	5.9081	1.3637	0.0351	1.3555	0.0694	1.4248	0.3810	0.0663	0.4473		3,728.1348	3,728.1348	0.0417	0.5419	3,890.6645
Unmitigated	0.1110	5.9081	1.3637	0.0351	1.3555	0.0694	1.4248	0.3810	0.0663	0.4473		3,728.1348	3,728.1348	0.0417	0.5419	3,890.6645

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	38.00	15.06	37.85	505,272	505,272
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	38.00	15.06	37.85	505,272	505,272

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	40.00	8.40	6.90	100.00	0.00	0.00	100	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Rubidoux Warehouse (Building 2 Operations - Trucks) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.000000	0.000000	0.000000	0.000000	0.157900	0.000000	0.210500	0.631600	0.000000	0.000000	0.000000	0.000000	0.000000
Other Asphalt Surfaces	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Other Non-Asphalt Surfaces	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Parking Lot	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468

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	0.0358	0.3253	0.2732	1.9500e-003		0.0247	0.0247		0.0247	0.0247		390.2942	390.2942	7.4800e-003	7.1600e-003	392.6135
NaturalGas Unmitigated	0.0358	0.3253	0.2732	1.9500e-003		0.0247	0.0247		0.0247	0.0247		390.2942	390.2942	7.4800e-003	7.1600e-003	392.6135

Rubidoux Warehouse (Building 2 Operations - Trucks) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	lb/day										lb/day					
General Light Industry	3317.5	0.0358	0.3253	0.2732	1.9500e-003		0.0247	0.0247		0.0247	0.0247		390.2942	390.2942	7.4800e-003	7.1600e-003	392.6135
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
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		0.0358	0.3253	0.2732	1.9500e-003		0.0247	0.0247		0.0247	0.0247		390.2942	390.2942	7.4800e-003	7.1600e-003	392.6135

Rubidoux Warehouse (Building 2 Operations - Trucks) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - Natural Gas

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	lb/day										lb/day					
General Light Industry	3.3175	0.0358	0.3253	0.2732	1.9500e-003		0.0247	0.0247		0.0247	0.0247		390.2942	390.2942	7.4800e-003	7.1600e-003	392.6135
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
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		0.0358	0.3253	0.2732	1.9500e-003		0.0247	0.0247		0.0247	0.0247		390.2942	390.2942	7.4800e-003	7.1600e-003	392.6135

6.0 Area Detail

6.1 Mitigation Measures Area

Rubidoux Warehouse (Building 2 Operations - Trucks) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	lb/day										lb/day					
Mitigated	0.8721	1.5000e-004	0.0162	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0347	0.0347	9.0000e-005		0.0369
Unmitigated	0.8721	1.5000e-004	0.0162	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0347	0.0347	9.0000e-005		0.0369

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	0.1011					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7695					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5000e-003	1.5000e-004	0.0162	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0347	0.0347	9.0000e-005		0.0369
Total	0.8721	1.5000e-004	0.0162	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0347	0.0347	9.0000e-005		0.0369

Rubidoux Warehouse (Building 2 Operations - Trucks) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.1011					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7695					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5000e-003	1.5000e-004	0.0162	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0347	0.0347	9.0000e-005		0.0369
Total	0.8721	1.5000e-004	0.0162	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0347	0.0347	9.0000e-005		0.0369

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Tractors/Loaders/Backhoes	1	4.00	365	200	0.37	CNG

Rubidoux Warehouse (Building 2 Operations - Trucks) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

UnMitigated/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
Equipment Type	lb/day										lb/day					
Tractors/Loaders/Backhoes	0.1103	1.0361	0.7492	3.1700e-003		0.0376	0.0376		0.0346	0.0346	0.0000	306.5451	306.5451	0.0991		309.0237
Total	0.1103	1.0361	0.7492	3.1700e-003		0.0376	0.0376		0.0346	0.0346	0.0000	306.5451	306.5451	0.0991		309.0237

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Rubidoux Warehouse (Building 2 Operations - Trucks) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Rubidoux Warehouse (Building 2 Operations - Trucks)

Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	37.45	1000sqft	0.86	37,454.00	0
Other Asphalt Surfaces	45.91	1000sqft	1.05	45,906.00	0
Other Non-Asphalt Surfaces	19.97	1000sqft	0.46	19,966.00	0
Parking Lot	55.00	Space	0.29	12,818.04	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Total Area is the sum of Building 2 Area + 3,024 sf of Public Street

Construction Phase - Operations run only

Off-road Equipment - Operations run only

Vehicle Trips - Trip Rates based on information provided in the Rubidoux Warehouse Traffic Impact Analysis report and Trip Lengths based on information from the Rubidoux Warehouse VMT Memo

Fleet Mix - Truck Fleet Mix estimated by ratioing the Trip Rates for each truck type based on information provided in the Traffic Analysis

Operational Off-Road Equipment - Based on SCAQMD High Cube Warehouse Truck Trip Study White Paper Summary of Business Survey Results (2014)

Rubidoux Warehouse (Building 2 Operations - Trucks) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	PhaseEndDate	5/28/2021	4/30/2021
tblFleetMix	HHD	0.02	0.63
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.03	0.16
tblFleetMix	LHD2	7.3100e-003	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	5.4680e-003	0.00
tblFleetMix	MHD	0.01	0.21
tblFleetMix	OBUS	6.1600e-004	0.00
tblFleetMix	SBUS	1.1000e-003	0.00
tblFleetMix	UBUS	3.1500e-004	0.00
tblLandUse	LandUseSquareFeet	22,000.00	12,818.04
tblLandUse	LotAcreage	0.49	0.29
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CW_TL	16.60	40.00

Rubidoux Warehouse (Building 2 Operations - Trucks) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.99	0.40
tblVehicleTrips	SU_TR	5.00	1.01
tblVehicleTrips	WD_TR	4.96	1.01

2.0 Emissions Summary

Rubidoux Warehouse (Building 2 Operations - Trucks) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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					
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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

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

Rubidoux Warehouse (Building 2 Operations - Trucks) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

		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	0.1591	2.0000e-005	2.0200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.9300e-003	3.9300e-003	1.0000e-005	0.0000	4.1900e-003
Energy	6.5300e-003	0.0594	0.0499	3.6000e-004		4.5100e-003	4.5100e-003		4.5100e-003	4.5100e-003	0.0000	131.3048	131.3048	6.8700e-003	1.8700e-003	132.0329
Mobile	0.0188	0.9833	0.2251	5.8300e-003	0.2221	0.0115	0.2336	0.0625	0.0110	0.0736	0.0000	561.2597	561.2597	6.3000e-003	0.0816	585.7286
Offroad	0.0201	0.1891	0.1367	5.8000e-004		6.8600e-003	6.8600e-003		6.3100e-003	6.3100e-003	0.0000	50.7519	50.7519	0.0164	0.0000	51.1623
Waste						0.0000	0.0000		0.0000	0.0000	9.4269	0.0000	9.4269	0.5571	0.0000	23.3548
Water						0.0000	0.0000		0.0000	0.0000	2.7475	19.9985	22.7461	0.2839	6.8700e-003	31.8898
Total	0.2046	1.2317	0.4137	6.7700e-003	0.2221	0.0229	0.2450	0.0625	0.0218	0.0844	12.1744	763.3189	775.4933	0.8706	0.0903	824.1724

Rubidoux Warehouse (Building 2 Operations - Trucks) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.1591	2.0000e-005	2.0200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.9300e-003	3.9300e-003	1.0000e-005	0.0000	4.1900e-003
Energy	6.5300e-003	0.0594	0.0499	3.6000e-004		4.5100e-003	4.5100e-003		4.5100e-003	4.5100e-003	0.0000	131.3048	131.3048	6.8700e-003	1.8700e-003	132.0329
Mobile	0.0188	0.9833	0.2251	5.8300e-003	0.2221	0.0115	0.2336	0.0625	0.0110	0.0736	0.0000	561.2597	561.2597	6.3000e-003	0.0816	585.7286
Offroad	0.0201	0.1891	0.1367	5.8000e-004		6.8600e-003	6.8600e-003		6.3100e-003	6.3100e-003	0.0000	50.7519	50.7519	0.0164	0.0000	51.1623
Waste						0.0000	0.0000		0.0000	0.0000	9.4269	0.0000	9.4269	0.5571	0.0000	23.3548
Water						0.0000	0.0000		0.0000	0.0000	2.7475	19.9985	22.7461	0.2839	6.8700e-003	31.8898
Total	0.2046	1.2317	0.4137	6.7700e-003	0.2221	0.0229	0.2450	0.0625	0.0218	0.0844	12.1744	763.3189	775.4933	0.8706	0.0903	824.1724

	ROG	NOx	CO	SO2	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	5/1/2021	4/30/2021	5	0	

Rubidoux Warehouse (Building 2 Operations - Trucks) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.8

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

Rubidoux Warehouse (Building 2 Operations - Trucks) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	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	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive 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

Rubidoux Warehouse (Building 2 Operations - Trucks) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	tons/yr										MT/yr					
Mitigated	0.0188	0.9833	0.2251	5.8300e-003	0.2221	0.0115	0.2336	0.0625	0.0110	0.0736	0.0000	561.2597	561.2597	6.3000e-003	0.0816	585.7286
Unmitigated	0.0188	0.9833	0.2251	5.8300e-003	0.2221	0.0115	0.2336	0.0625	0.0110	0.0736	0.0000	561.2597	561.2597	6.3000e-003	0.0816	585.7286

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	38.00	15.06	37.85	505,272	505,272
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	38.00	15.06	37.85	505,272	505,272

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	40.00	8.40	6.90	100.00	0.00	0.00	100	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

Rubidoux Warehouse (Building 2 Operations - Trucks) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.000000	0.000000	0.000000	0.000000	0.157900	0.000000	0.210500	0.631600	0.000000	0.000000	0.000000	0.000000	0.000000
Other Asphalt Surfaces	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Other Non-Asphalt Surfaces	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Parking Lot	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468

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	66.6872	66.6872	5.6300e-003	6.8000e-004	67.0313
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	66.6872	66.6872	5.6300e-003	6.8000e-004	67.0313
NaturalGas Mitigated	6.5300e-003	0.0594	0.0499	3.6000e-004		4.5100e-003	4.5100e-003		4.5100e-003	4.5100e-003	0.0000	64.6176	64.6176	1.2400e-003	1.1800e-003	65.0016
NaturalGas Unmitigated	6.5300e-003	0.0594	0.0499	3.6000e-004		4.5100e-003	4.5100e-003		4.5100e-003	4.5100e-003	0.0000	64.6176	64.6176	1.2400e-003	1.1800e-003	65.0016

Rubidoux Warehouse (Building 2 Operations - Trucks) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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					
General Light Industry	1.21089e+006	6.5300e-003	0.0594	0.0499	3.6000e-004		4.5100e-003	4.5100e-003		4.5100e-003	4.5100e-003	0.0000	64.6176	64.6176	1.2400e-003	1.1800e-003	65.0016
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
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		6.5300e-003	0.0594	0.0499	3.6000e-004		4.5100e-003	4.5100e-003		4.5100e-003	4.5100e-003	0.0000	64.6176	64.6176	1.2400e-003	1.1800e-003	65.0016

Rubidoux Warehouse (Building 2 Operations - Trucks) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - Natural Gas

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					
General Light Industry	1.21089e+006	6.5300e-003	0.0594	0.0499	3.6000e-004		4.5100e-003	4.5100e-003		4.5100e-003	4.5100e-003	0.0000	64.6176	64.6176	1.2400e-003	1.1800e-003	65.0016
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
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		6.5300e-003	0.0594	0.0499	3.6000e-004		4.5100e-003	4.5100e-003		4.5100e-003	4.5100e-003	0.0000	64.6176	64.6176	1.2400e-003	1.1800e-003	65.0016

Rubidoux Warehouse (Building 2 Operations - Trucks) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	371544	65.8916	5.5600e-003	6.7000e-004	66.2315
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	4486.31	0.7956	7.0000e-005	1.0000e-005	0.7997
Total		66.6873	5.6300e-003	6.8000e-004	67.0313

Rubidoux Warehouse (Building 2 Operations - Trucks) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	371544	65.8916	5.5600e-003	6.7000e-004	66.2315
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	4486.31	0.7956	7.0000e-005	1.0000e-005	0.7997
Total		66.6873	5.6300e-003	6.8000e-004	67.0313

6.0 Area Detail

6.1 Mitigation Measures Area

Rubidoux Warehouse (Building 2 Operations - Trucks) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.1591	2.0000e-005	2.0200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.9300e-003	3.9300e-003	1.0000e-005	0.0000	4.1900e-003
Unmitigated	0.1591	2.0000e-005	2.0200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.9300e-003	3.9300e-003	1.0000e-005	0.0000	4.1900e-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	0.0185					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1404					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.9000e-004	2.0000e-005	2.0200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.9300e-003	3.9300e-003	1.0000e-005	0.0000	4.1900e-003
Total	0.1591	2.0000e-005	2.0200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.9300e-003	3.9300e-003	1.0000e-005	0.0000	4.1900e-003

Rubidoux Warehouse (Building 2 Operations - Trucks) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0185					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1404					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.9000e-004	2.0000e-005	2.0200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.9300e-003	3.9300e-003	1.0000e-005	0.0000	4.1900e-003
Total	0.1591	2.0000e-005	2.0200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.9300e-003	3.9300e-003	1.0000e-005	0.0000	4.1900e-003

7.0 Water Detail

7.1 Mitigation Measures Water

Rubidoux Warehouse (Building 2 Operations - Trucks) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	22.7461	0.2839	6.8700e-003	31.8898
Unmitigated	22.7461	0.2839	6.8700e-003	31.8898

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	8.66031 / 0	22.7461	0.2839	6.8700e-003	31.8898
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		22.7461	0.2839	6.8700e-003	31.8898

Rubidoux Warehouse (Building 2 Operations - Trucks) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	8.66031 / 0	22.7461	0.2839	6.8700e-003	31.8898
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		22.7461	0.2839	6.8700e-003	31.8898

8.0 Waste Detail

8.1 Mitigation Measures Waste

Rubidoux Warehouse (Building 2 Operations - Trucks) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	9.4269	0.5571	0.0000	23.3548
Unmitigated	9.4269	0.5571	0.0000	23.3548

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	46.44	9.4269	0.5571	0.0000	23.3548
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		9.4269	0.5571	0.0000	23.3548

Rubidoux Warehouse (Building 2 Operations - Trucks) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	46.44	9.4269	0.5571	0.0000	23.3548
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		9.4269	0.5571	0.0000	23.3548

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Tractors/Loaders/Backhoes	1	4.00	365	200	0.37	CNG

Rubidoux Warehouse (Building 2 Operations - Trucks) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

UnMitigated/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
Equipment Type	tons/yr										MT/yr					
Tractors/Loaders/Backhoes	0.0201	0.1891	0.1367	5.8000e-004		6.8600e-003	6.8600e-003		6.3100e-003	6.3100e-003	0.0000	50.7519	50.7519	0.0164	0.0000	51.1623
Total	0.0201	0.1891	0.1367	5.8000e-004		6.8600e-003	6.8600e-003		6.3100e-003	6.3100e-003	0.0000	50.7519	50.7519	0.0164	0.0000	51.1623

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation