
APPENDIX A

CALEEMOD OUTPUT SHEETS

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Annual

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

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks

San Bernardino-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	19.74	1000sqft	2.15	19,740.00	0
Unrefrigerated Warehouse-No Rail	177.66	1000sqft	4.50	177,657.00	0
Parking Lot	267.00	Space	2.47	106,800.00	0
City Park	1.86	Acre	1.86	84,845.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2024
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 site is 10.98 acres, project consist of a 197,397 sq ft warehouse with 10% cold storage

Construction Phase - Construction would start in June 2023 and end in May 2024. Overlap of building construction and architectural coating phases.

Off-road Equipment - Default equipment

Demolition - Demolition of existing buildings

Grading - Project would require the import of 24,477 CY of soil

Vehicle Trips - Based on a trip generation of 96 ADT for Refrigerated Warehouse and 866 ADT for Unrefrigerated Warehouse (excluding 4-axle truck trips).

Construction Off-road Equipment Mitigation - Project will comply with SCAQMD rule 403, use of Tier 2 equipment

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Annual

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

tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstructionPhase	NumDays	20.00	70.00
tblConstructionPhase	NumDays	300.00	141.00
tblConstructionPhase	NumDays	20.00	64.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDays	10.00	15.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.54	0.36
tblFleetMix	LDA	0.54	0.44
tblFleetMix	LDT1	0.06	0.18
tblFleetMix	LDT1	0.06	0.22
tblFleetMix	LDT2	0.17	0.18
tblFleetMix	LDT2	0.17	0.22
tblFleetMix	LHD1	0.03	0.10
tblFleetMix	LHD1	0.03	0.03
tblFleetMix	LHD2	7.1040e-003	0.10
tblFleetMix	LHD2	7.1040e-003	0.03
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	4.8300e-003	0.00
tblFleetMix	MH	4.8300e-003	0.00
tblFleetMix	MHD	0.01	0.07
tblFleetMix	MHD	0.01	0.07
tblFleetMix	OBUS	5.5400e-004	0.00

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Annual

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

tblFleetMix	OBUS	5.5400e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	UBUS	2.5100e-004	0.00
tblFleetMix	UBUS	2.5100e-004	0.00
tblGrading	MaterialImported	0.00	24,477.00
tblLandUse	LandUseSquareFeet	177,660.00	177,657.00
tblLandUse	LandUseSquareFeet	81,021.60	84,845.00
tblLandUse	LotAcreage	0.45	2.15
tblLandUse	LotAcreage	4.08	4.50
tblLandUse	LotAcreage	2.40	2.47
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	2.12	3.70
tblVehicleTrips	ST_TR	1.74	4.03
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	2.12	3.70
tblVehicleTrips	SU_TR	1.74	4.03
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	2.12	3.70
tblVehicleTrips	WD_TR	1.74	4.03

2.0 Emissions Summary

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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					
2023	0.1896	1.9082	1.7128	4.6900e-003	0.4348	0.0765	0.5113	0.1537	0.0712	0.2249	0.0000	427.9988	427.9988	0.0768	0.0227	436.6865
2024	1.0440	0.8461	1.2038	2.7700e-003	0.1125	0.0345	0.1469	0.0303	0.0325	0.0628	0.0000	249.8906	249.8906	0.0331	9.1700e-003	253.4484
Maximum	1.0440	1.9082	1.7128	4.6900e-003	0.4348	0.0765	0.5113	0.1537	0.0712	0.2249	0.0000	427.9988	427.9988	0.0768	0.0227	436.6865

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.1189	2.7134	2.0374	4.6900e-003	0.2500	0.0757	0.3257	0.0839	0.0756	0.1594	0.0000	427.9985	427.9985	0.0768	0.0227	436.6862
2024	1.0237	1.4202	1.3014	2.7700e-003	0.1125	0.0502	0.1627	0.0303	0.0501	0.0804	0.0000	249.8905	249.8905	0.0331	9.1700e-003	253.4482
Maximum	1.0237	2.7134	2.0374	4.6900e-003	0.2500	0.0757	0.3257	0.0839	0.0756	0.1594	0.0000	427.9985	427.9985	0.0768	0.0227	436.6862

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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	7.39	-50.08	-14.48	0.00	33.77	-13.48	25.81	37.94	-21.28	16.61	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	6-5-2023	9-4-2023	0.8413	1.1678
2	9-5-2023	12-4-2023	1.0605	1.3840
3	12-5-2023	3-4-2024	0.6861	0.9950
4	3-5-2024	6-4-2024	1.3505	1.6638
		Highest	1.3505	1.6638

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	0.8145	5.0000e-005	5.9400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0116	0.0116	3.0000e-005	0.0000	0.0123
Energy	7.4300e-003	0.0676	0.0568	4.1000e-004		5.1300e-003	5.1300e-003		5.1300e-003	5.1300e-003	0.0000	292.7448	292.7448	0.0199	3.5900e-003	294.3126
Mobile	0.2308	0.8873	3.3482	0.0128	1.2975	0.0103	1.3078	0.3503	9.6600e-003	0.3599	0.0000	1,199.0948	1,199.0948	0.0247	0.0642	1,218.8499
Waste						0.0000	0.0000		0.0000	0.0000	37.6995	0.0000	37.6995	2.2280	0.0000	93.3989
Water						0.0000	0.0000		0.0000	0.0000	14.4822	109.7794	124.2616	1.4967	0.0363	172.4810
Total	1.0528	0.9549	3.4109	0.0132	1.2975	0.0155	1.3129	0.3503	0.0148	0.3651	52.1817	1,601.6304	1,653.8122	3.7693	0.1041	1,779.0547

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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	0.8145	5.0000e-005	5.9400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0116	0.0116	3.0000e-005	0.0000	0.0123
Energy	7.4300e-003	0.0676	0.0568	4.1000e-004		5.1300e-003	5.1300e-003		5.1300e-003	5.1300e-003	0.0000	292.7448	292.7448	0.0199	3.5900e-003	294.3126
Mobile	0.2308	0.8873	3.3482	0.0128	1.2975	0.0103	1.3078	0.3503	9.6600e-003	0.3599	0.0000	1,199.0948	1,199.0948	0.0247	0.0642	1,218.8499
Waste						0.0000	0.0000		0.0000	0.0000	37.6995	0.0000	37.6995	2.2280	0.0000	93.3989
Water						0.0000	0.0000		0.0000	0.0000	14.4822	109.7794	124.2616	1.4967	0.0363	172.4810
Total	1.0528	0.9549	3.4109	0.0132	1.2975	0.0155	1.3129	0.3503	0.0148	0.3651	52.1817	1,601.6304	1,653.8122	3.7693	0.1041	1,779.0547

	ROG	NOx	CO	SO2	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	6/5/2023	8/31/2023	5	64	
2	Site Preparation	Site Preparation	9/1/2023	9/21/2023	5	15	
3	Grading	Grading	9/22/2023	10/19/2023	5	20	

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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	10/20/2023	5/3/2024	5	141
5	Architectural Coating	Architectural Coating	2/26/2024	5/31/2024	5	70
6	Paving	Paving	5/6/2024	5/24/2024	5	15

Acres of Grading (Site Preparation Phase): 22.5

Acres of Grading (Grading Phase): 60

Acres of Paving: 2.47

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 296,096; Non-Residential Outdoor: 98,699; Striped Parking Area: 6,408 (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	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
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	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Annual

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

Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

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	880.00	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	3,060.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	163.00	64.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	33.00	0.00	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

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0952	0.0000	0.0952	0.0144	0.0000	0.0144	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0726	0.6875	0.6286	1.2400e-003		0.0319	0.0319		0.0297	0.0297	0.0000	108.7746	108.7746	0.0305	0.0000	109.5362
Total	0.0726	0.6875	0.6286	1.2400e-003	0.0952	0.0319	0.1271	0.0144	0.0297	0.0441	0.0000	108.7746	108.7746	0.0305	0.0000	109.5362

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0300e-003	0.0512	0.0149	2.5000e-004	7.5800e-003	5.1000e-004	8.0900e-003	2.0800e-003	4.9000e-004	2.5700e-003	0.0000	24.4510	24.4510	1.0400e-003	3.8800e-003	25.6320
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	1.6700e-003	1.2500e-003	0.0156	4.0000e-005	5.2600e-003	3.0000e-005	5.2900e-003	1.4000e-003	2.0000e-005	1.4200e-003	0.0000	4.1105	4.1105	1.1000e-004	1.1000e-004	4.1465
Total	2.7000e-003	0.0524	0.0305	2.9000e-004	0.0128	5.4000e-004	0.0134	3.4800e-003	5.1000e-004	3.9900e-003	0.0000	28.5615	28.5615	1.1500e-003	3.9900e-003	29.7784

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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 - 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					
Fugitive Dust					0.0429	0.0000	0.0429	6.4900e-003	0.0000	6.4900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0404	1.0452	0.7896	1.2400e-003		0.0292	0.0292		0.0292	0.0292	0.0000	108.7745	108.7745	0.0305	0.0000	109.5361
Total	0.0404	1.0452	0.7896	1.2400e-003	0.0429	0.0292	0.0721	6.4900e-003	0.0292	0.0357	0.0000	108.7745	108.7745	0.0305	0.0000	109.5361

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0300e-003	0.0512	0.0149	2.5000e-004	7.5800e-003	5.1000e-004	8.0900e-003	2.0800e-003	4.9000e-004	2.5700e-003	0.0000	24.4510	24.4510	1.0400e-003	3.8800e-003	25.6320
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	1.6700e-003	1.2500e-003	0.0156	4.0000e-005	5.2600e-003	3.0000e-005	5.2900e-003	1.4000e-003	2.0000e-005	1.4200e-003	0.0000	4.1105	4.1105	1.1000e-004	1.1000e-004	4.1465
Total	2.7000e-003	0.0524	0.0305	2.9000e-004	0.0128	5.4000e-004	0.0134	3.4800e-003	5.1000e-004	3.9900e-003	0.0000	28.5615	28.5615	1.1500e-003	3.9900e-003	29.7784

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1474	0.0000	0.1474	0.0758	0.0000	0.0758	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0200	0.2064	0.1368	2.9000e-004		9.5000e-003	9.5000e-003		8.7400e-003	8.7400e-003	0.0000	25.0880	25.0880	8.1100e-003	0.0000	25.2909
Total	0.0200	0.2064	0.1368	2.9000e-004	0.1474	9.5000e-003	0.1569	0.0758	8.7400e-003	0.0845	0.0000	25.0880	25.0880	8.1100e-003	0.0000	25.2909

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	4.7000e-004	3.5000e-004	4.3900e-003	1.0000e-005	1.4800e-003	1.0000e-005	1.4900e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.1561	1.1561	3.0000e-005	3.0000e-005	1.1662
Total	4.7000e-004	3.5000e-004	4.3900e-003	1.0000e-005	1.4800e-003	1.0000e-005	1.4900e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.1561	1.1561	3.0000e-005	3.0000e-005	1.1662

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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 - 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					
Fugitive Dust					0.0663	0.0000	0.0663	0.0341	0.0000	0.0341	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.0700e-003	0.2529	0.1722	2.9000e-004		7.1000e-003	7.1000e-003		7.1000e-003	7.1000e-003	0.0000	25.0880	25.0880	8.1100e-003	0.0000	25.2908
Total	9.0700e-003	0.2529	0.1722	2.9000e-004	0.0663	7.1000e-003	0.0734	0.0341	7.1000e-003	0.0412	0.0000	25.0880	25.0880	8.1100e-003	0.0000	25.2908

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	4.7000e-004	3.5000e-004	4.3900e-003	1.0000e-005	1.4800e-003	1.0000e-005	1.4900e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.1561	1.1561	3.0000e-005	3.0000e-005	1.1662
Total	4.7000e-004	3.5000e-004	4.3900e-003	1.0000e-005	1.4800e-003	1.0000e-005	1.4900e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.1561	1.1561	3.0000e-005	3.0000e-005	1.1662

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0934	0.0000	0.0934	0.0368	0.0000	0.0368	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0332	0.3452	0.2805	6.2000e-004		0.0142	0.0142		0.0131	0.0131	0.0000	54.5352	54.5352	0.0176	0.0000	54.9762
Total	0.0332	0.3452	0.2805	6.2000e-004	0.0934	0.0142	0.1077	0.0368	0.0131	0.0499	0.0000	54.5352	54.5352	0.0176	0.0000	54.9762

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	3.5700e-003	0.1780	0.0516	8.6000e-004	0.0264	1.7700e-003	0.0281	7.2400e-003	1.6900e-003	8.9300e-003	0.0000	85.0228	85.0228	3.6200e-003	0.0135	89.1294
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-004	5.2000e-004	6.5100e-003	2.0000e-005	2.1900e-003	1.0000e-005	2.2000e-003	5.8000e-004	1.0000e-005	5.9000e-004	0.0000	1.7127	1.7127	4.0000e-005	5.0000e-005	1.7277
Total	4.2700e-003	0.1785	0.0581	8.8000e-004	0.0285	1.7800e-003	0.0303	7.8200e-003	1.7000e-003	9.5200e-003	0.0000	86.7356	86.7356	3.6600e-003	0.0135	90.8571

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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 - 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					
Fugitive Dust					0.0420	0.0000	0.0420	0.0165	0.0000	0.0165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0181	0.5124	0.3672	6.2000e-004		0.0133	0.0133		0.0133	0.0133	0.0000	54.5351	54.5351	0.0176	0.0000	54.9761
Total	0.0181	0.5124	0.3672	6.2000e-004	0.0420	0.0133	0.0554	0.0165	0.0133	0.0299	0.0000	54.5351	54.5351	0.0176	0.0000	54.9761

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	3.5700e-003	0.1780	0.0516	8.6000e-004	0.0264	1.7700e-003	0.0281	7.2400e-003	1.6900e-003	8.9300e-003	0.0000	85.0228	85.0228	3.6200e-003	0.0135	89.1294
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-004	5.2000e-004	6.5100e-003	2.0000e-005	2.1900e-003	1.0000e-005	2.2000e-003	5.8000e-004	1.0000e-005	5.9000e-004	0.0000	1.7127	1.7127	4.0000e-005	5.0000e-005	1.7277
Total	4.2700e-003	0.1785	0.0581	8.8000e-004	0.0285	1.7800e-003	0.0303	7.8200e-003	1.7000e-003	9.5200e-003	0.0000	86.7356	86.7356	3.6600e-003	0.0135	90.8571

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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	0.0401	0.3668	0.4142	6.9000e-004		0.0178	0.0178		0.0168	0.0168	0.0000	59.1102	59.1102	0.0141	0.0000	59.4618
Total	0.0401	0.3668	0.4142	6.9000e-004		0.0178	0.0178		0.0168	0.0168	0.0000	59.1102	59.1102	0.0141	0.0000	59.4618

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.8400e-003	0.0602	0.0244	2.9000e-004	0.0103	4.3000e-004	0.0107	2.9700e-003	4.1000e-004	3.3800e-003	0.0000	28.4430	28.4430	7.4000e-004	4.2000e-003	29.7141
Worker	0.0145	0.0108	0.1352	3.8000e-004	0.0456	2.3000e-004	0.0458	0.0121	2.1000e-004	0.0123	0.0000	35.5946	35.5946	9.3000e-004	9.7000e-004	35.9057
Total	0.0163	0.0710	0.1596	6.7000e-004	0.0559	6.6000e-004	0.0565	0.0151	6.2000e-004	0.0157	0.0000	64.0375	64.0375	1.6700e-003	5.1700e-003	65.6198

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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	0.0276	0.6006	0.4558	6.9000e-004		0.0230	0.0230		0.0230	0.0230	0.0000	59.1101	59.1101	0.0141	0.0000	59.4617
Total	0.0276	0.6006	0.4558	6.9000e-004		0.0230	0.0230		0.0230	0.0230	0.0000	59.1101	59.1101	0.0141	0.0000	59.4617

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.8400e-003	0.0602	0.0244	2.9000e-004	0.0103	4.3000e-004	0.0107	2.9700e-003	4.1000e-004	3.3800e-003	0.0000	28.4430	28.4430	7.4000e-004	4.2000e-003	29.7141
Worker	0.0145	0.0108	0.1352	3.8000e-004	0.0456	2.3000e-004	0.0458	0.0121	2.1000e-004	0.0123	0.0000	35.5946	35.5946	9.3000e-004	9.7000e-004	35.9057
Total	0.0163	0.0710	0.1596	6.7000e-004	0.0559	6.6000e-004	0.0565	0.0151	6.2000e-004	0.0157	0.0000	64.0375	64.0375	1.6700e-003	5.1700e-003	65.6198

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0662	0.6050	0.7275	1.2100e-003		0.0276	0.0276		0.0260	0.0260	0.0000	104.3321	104.3321	0.0247	0.0000	104.9489
Total	0.0662	0.6050	0.7275	1.2100e-003		0.0276	0.0276		0.0260	0.0260	0.0000	104.3321	104.3321	0.0247	0.0000	104.9489

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1700e-003	0.1072	0.0423	5.1000e-004	0.0182	7.5000e-004	0.0189	5.2400e-003	7.2000e-004	5.9600e-003	0.0000	49.5025	49.5025	1.2700e-003	7.3100e-003	51.7137
Worker	0.0238	0.0169	0.2225	6.6000e-004	0.0804	3.9000e-004	0.0808	0.0214	3.6000e-004	0.0217	0.0000	61.4765	61.4765	1.4900e-003	1.5800e-003	61.9844
Total	0.0269	0.1241	0.2648	1.1700e-003	0.0986	1.1400e-003	0.0997	0.0266	1.0800e-003	0.0277	0.0000	110.9790	110.9790	2.7600e-003	8.8900e-003	113.6982

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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 - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0486	1.0600	0.8043	1.2100e-003		0.0407	0.0407		0.0407	0.0407	0.0000	104.3320	104.3320	0.0247	0.0000	104.9488
Total	0.0486	1.0600	0.8043	1.2100e-003		0.0407	0.0407		0.0407	0.0407	0.0000	104.3320	104.3320	0.0247	0.0000	104.9488

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1700e-003	0.1072	0.0423	5.1000e-004	0.0182	7.5000e-004	0.0189	5.2400e-003	7.2000e-004	5.9600e-003	0.0000	49.5025	49.5025	1.2700e-003	7.3100e-003	51.7137
Worker	0.0238	0.0169	0.2225	6.6000e-004	0.0804	3.9000e-004	0.0808	0.0214	3.6000e-004	0.0217	0.0000	61.4765	61.4765	1.4900e-003	1.5800e-003	61.9844
Total	0.0269	0.1241	0.2648	1.1700e-003	0.0986	1.1400e-003	0.0997	0.0266	1.0800e-003	0.0277	0.0000	110.9790	110.9790	2.7600e-003	8.8900e-003	113.6982

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9298					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.3300e-003	0.0427	0.0634	1.0000e-004		2.1300e-003	2.1300e-003		2.1300e-003	2.1300e-003	0.0000	8.9364	8.9364	5.0000e-004	0.0000	8.9490
Total	0.9361	0.0427	0.0634	1.0000e-004		2.1300e-003	2.1300e-003		2.1300e-003	2.1300e-003	0.0000	8.9364	8.9364	5.0000e-004	0.0000	8.9490

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	3.7400e-003	2.6600e-003	0.0350	1.0000e-004	0.0127	6.0000e-005	0.0127	3.3600e-003	6.0000e-005	3.4200e-003	0.0000	9.6804	9.6804	2.4000e-004	2.5000e-004	9.7603
Total	3.7400e-003	2.6600e-003	0.0350	1.0000e-004	0.0127	6.0000e-005	0.0127	3.3600e-003	6.0000e-005	3.4200e-003	0.0000	9.6804	9.6804	2.4000e-004	2.5000e-004	9.7603

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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 - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9298					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9900e-003	0.0823	0.0641	1.0000e-004		3.3300e-003	3.3300e-003		3.3300e-003	3.3300e-003	0.0000	8.9364	8.9364	5.0000e-004	0.0000	8.9490
Total	0.9338	0.0823	0.0641	1.0000e-004		3.3300e-003	3.3300e-003		3.3300e-003	3.3300e-003	0.0000	8.9364	8.9364	5.0000e-004	0.0000	8.9490

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	3.7400e-003	2.6600e-003	0.0350	1.0000e-004	0.0127	6.0000e-005	0.0127	3.3600e-003	6.0000e-005	3.4200e-003	0.0000	9.6804	9.6804	2.4000e-004	2.5000e-004	9.7603
Total	3.7400e-003	2.6600e-003	0.0350	1.0000e-004	0.0127	6.0000e-005	0.0127	3.3600e-003	6.0000e-005	3.4200e-003	0.0000	9.6804	9.6804	2.4000e-004	2.5000e-004	9.7603

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.4100e-003	0.0714	0.1097	1.7000e-004		3.5100e-003	3.5100e-003		3.2300e-003	3.2300e-003	0.0000	15.0199	15.0199	4.8600e-003	0.0000	15.1413
Paving	3.2400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0107	0.0714	0.1097	1.7000e-004		3.5100e-003	3.5100e-003		3.2300e-003	3.2300e-003	0.0000	15.0199	15.0199	4.8600e-003	0.0000	15.1413

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	3.6000e-004	2.6000e-004	3.4100e-003	1.0000e-005	1.2300e-003	1.0000e-005	1.2400e-003	3.3000e-004	1.0000e-005	3.3000e-004	0.0000	0.9429	0.9429	2.0000e-005	2.0000e-005	0.9507
Total	3.6000e-004	2.6000e-004	3.4100e-003	1.0000e-005	1.2300e-003	1.0000e-005	1.2400e-003	3.3000e-004	1.0000e-005	3.3000e-004	0.0000	0.9429	0.9429	2.0000e-005	2.0000e-005	0.9507

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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 - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.9800e-003	0.1509	0.1297	1.7000e-004		5.0000e-003	5.0000e-003		5.0000e-003	5.0000e-003	0.0000	15.0199	15.0199	4.8600e-003	0.0000	15.1413
Paving	3.2400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0102	0.1509	0.1297	1.7000e-004		5.0000e-003	5.0000e-003		5.0000e-003	5.0000e-003	0.0000	15.0199	15.0199	4.8600e-003	0.0000	15.1413

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	3.6000e-004	2.6000e-004	3.4100e-003	1.0000e-005	1.2300e-003	1.0000e-005	1.2400e-003	3.3000e-004	1.0000e-005	3.3000e-004	0.0000	0.9429	0.9429	2.0000e-005	2.0000e-005	0.9507
Total	3.6000e-004	2.6000e-004	3.4100e-003	1.0000e-005	1.2300e-003	1.0000e-005	1.2400e-003	3.3000e-004	1.0000e-005	3.3000e-004	0.0000	0.9429	0.9429	2.0000e-005	2.0000e-005	0.9507

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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	0.2308	0.8873	3.3482	0.0128	1.2975	0.0103	1.3078	0.3503	9.6600e-003	0.3599	0.0000	1,199.0948	1,199.0948	0.0247	0.0642	1,218.8499
Unmitigated	0.2308	0.8873	3.3482	0.0128	1.2975	0.0103	1.3078	0.3503	9.6600e-003	0.3599	0.0000	1,199.0948	1,199.0948	0.0247	0.0642	1,218.8499

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	73.04	73.04	73.04	313,020	313,020
Unrefrigerated Warehouse-No Rail	715.97	715.97	715.97	3,068,444	3,068,444
Total	789.01	789.01	789.01	3,381,464	3,381,464

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
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.540566	0.056059	0.172680	0.136494	0.026304	0.007104	0.011680	0.017449	0.000554	0.000251	0.025076	0.000954	0.004830
Parking Lot	0.540566	0.056059	0.172680	0.136494	0.026304	0.007104	0.011680	0.017449	0.000554	0.000251	0.025076	0.000954	0.004830
Refrigerated Warehouse-No Rail	0.363014	0.181507	0.181507	0.000000	0.102740	0.102740	0.068493	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Unrefrigerated Warehouse-No Rail	0.437849	0.218925	0.218925	0.000000	0.027933	0.027933	0.068436	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

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	219.1966	219.1966	0.0185	2.2400e-003	220.3274
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	219.1966	219.1966	0.0185	2.2400e-003	220.3274
Natural Gas Mitigated	7.4300e-003	0.0676	0.0568	4.1000e-004		5.1300e-003	5.1300e-003		5.1300e-003	5.1300e-003	0.0000	73.5482	73.5482	1.4100e-003	1.3500e-003	73.9852
Natural Gas Unmitigated	7.4300e-003	0.0676	0.0568	4.1000e-004		5.1300e-003	5.1300e-003		5.1300e-003	5.1300e-003	0.0000	73.5482	73.5482	1.4100e-003	1.3500e-003	73.9852

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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					
City Park	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
Refrigerated Warehouse-No Rail	1.02115e+006	5.5100e-003	0.0501	0.0421	3.0000e-004		3.8000e-003	3.8000e-003		3.8000e-003	3.8000e-003	0.0000	54.4925	54.4925	1.0400e-003	1.0000e-003	54.8163
Unrefrigerated Warehouse-No Rail	357091	1.9300e-003	0.0175	0.0147	1.1000e-004		1.3300e-003	1.3300e-003		1.3300e-003	1.3300e-003	0.0000	19.0557	19.0557	3.7000e-004	3.5000e-004	19.1690
Total		7.4400e-003	0.0676	0.0568	4.1000e-004		5.1300e-003	5.1300e-003		5.1300e-003	5.1300e-003	0.0000	73.5482	73.5482	1.4100e-003	1.3500e-003	73.9852

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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					
City Park	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
Refrigerated Warehouse-No Rail	1.02115e+006	5.5100e-003	0.0501	0.0421	3.0000e-004		3.8000e-003	3.8000e-003		3.8000e-003	3.8000e-003	0.0000	54.4925	54.4925	1.0400e-003	1.0000e-003	54.8163
Unrefrigerated Warehouse-No Rail	357091	1.9300e-003	0.0175	0.0147	1.1000e-004		1.3300e-003	1.3300e-003		1.3300e-003	1.3300e-003	0.0000	19.0557	19.0557	3.7000e-004	3.5000e-004	19.1690
Total		7.4400e-003	0.0676	0.0568	4.1000e-004		5.1300e-003	5.1300e-003		5.1300e-003	5.1300e-003	0.0000	73.5482	73.5482	1.4100e-003	1.3500e-003	73.9852

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	37380	6.6292	5.6000e-004	7.0000e-005	6.6634
Refrigerated Warehouse-No Rail	786442	139.4719	0.0118	1.4300e-003	140.1914
Unrefrigerated Warehouse-No Rail	412164	73.0955	6.1700e-003	7.5000e-004	73.4726
Total		219.1966	0.0185	2.2500e-003	220.3274

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	37380	6.6292	5.6000e-004	7.0000e-005	6.6634
Refrigerated Warehouse-No Rail	786442	139.4719	0.0118	1.4300e-003	140.1914
Unrefrigerated Warehouse-No Rail	412164	73.0955	6.1700e-003	7.5000e-004	73.4726
Total		219.1966	0.0185	2.2500e-003	220.3274

6.0 Area Detail

6.1 Mitigation Measures Area

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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	0.8145	5.0000e-005	5.9400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0116	0.0116	3.0000e-005	0.0000	0.0123
Unmitigated	0.8145	5.0000e-005	5.9400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0116	0.0116	3.0000e-005	0.0000	0.0123

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	0.0930					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7210					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.5000e-004	5.0000e-005	5.9400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0116	0.0116	3.0000e-005	0.0000	0.0123
Total	0.8145	5.0000e-005	5.9400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0116	0.0116	3.0000e-005	0.0000	0.0123

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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	0.0930					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7210					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.5000e-004	5.0000e-005	5.9400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0116	0.0116	3.0000e-005	0.0000	0.0123
Total	0.8145	5.0000e-005	5.9400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0116	0.0116	3.0000e-005	0.0000	0.0123

7.0 Water Detail

7.1 Mitigation Measures Water

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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	124.2616	1.4967	0.0363	172.4810
Unmitigated	124.2616	1.4967	0.0363	172.4810

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 2.21616	4.3665	3.7000e-004	4.0000e-005	4.3890
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	4.56487 / 0	11.9895	0.1496	3.6200e-003	16.8092
Unrefrigerated Warehouse-No Rail	41.0839 / 0	107.9056	1.3467	0.0326	151.2828
Total		124.2616	1.4967	0.0362	172.4810

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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			
City Park	0 / 2.21616	4.3665	3.7000e-004	4.0000e-005	4.3890
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	4.56487 / 0	11.9895	0.1496	3.6200e-003	16.8092
Unrefrigerated Warehouse-No Rail	41.0839 / 0	107.9056	1.3467	0.0326	151.2828
Total		124.2616	1.4967	0.0362	172.4810

8.0 Waste Detail

8.1 Mitigation Measures Waste

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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	37.6995	2.2280	0.0000	93.3989
Unmitigated	37.6995	2.2280	0.0000	93.3989

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.16	0.0325	1.9200e-003	0.0000	0.0805
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	18.56	3.7675	0.2227	0.0000	9.3339
Unrefrigerated Warehouse-No Rail	167	33.8995	2.0034	0.0000	83.9846
Total		37.6995	2.2280	0.0000	93.3989

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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			
City Park	0.16	0.0325	1.9200e-003	0.0000	0.0805
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	18.56	3.7675	0.2227	0.0000	9.3339
Unrefrigerated Warehouse-No Rail	167	33.8995	2.0034	0.0000	83.9846
Total		37.6995	2.2280	0.0000	93.3989

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

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Annual

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

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

11.0 Vegetation

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Summer

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

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks

San Bernardino-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	19.74	1000sqft	2.15	19,740.00	0
Unrefrigerated Warehouse-No Rail	177.66	1000sqft	4.50	177,657.00	0
Parking Lot	267.00	Space	2.47	106,800.00	0
City Park	1.86	Acre	1.86	84,845.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2024
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 site is 10.98 acres, project consist of a 197,397 sq ft warehouse with 10% cold storage

Construction Phase - Construction would start in June 2023 and end in May 2024. Overlap of building construction and architectural coating phases.

Off-road Equipment - Default equipment

Demolition - Demolition of existing buildings

Grading - Project would require the import of 24,477 CY of soil

Vehicle Trips - Based on a trip generation of 96 ADT for Refrigerated Warehouse and 866 ADT for Unrefrigerated Warehouse (excluding 4-axle truck trips).

Construction Off-road Equipment Mitigation - Project will comply with SCAQMD rule 403, use of Tier 2 equipment

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Summer

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

tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstructionPhase	NumDays	20.00	70.00
tblConstructionPhase	NumDays	300.00	141.00
tblConstructionPhase	NumDays	20.00	64.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDays	10.00	15.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.54	0.36
tblFleetMix	LDA	0.54	0.44
tblFleetMix	LDT1	0.06	0.18
tblFleetMix	LDT1	0.06	0.22
tblFleetMix	LDT2	0.17	0.18
tblFleetMix	LDT2	0.17	0.22
tblFleetMix	LHD1	0.03	0.10
tblFleetMix	LHD1	0.03	0.03
tblFleetMix	LHD2	7.1040e-003	0.10
tblFleetMix	LHD2	7.1040e-003	0.03
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	4.8300e-003	0.00
tblFleetMix	MH	4.8300e-003	0.00
tblFleetMix	MHD	0.01	0.07
tblFleetMix	MHD	0.01	0.07
tblFleetMix	OBUS	5.5400e-004	0.00

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Summer

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

tblFleetMix	OBUS	5.5400e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	UBUS	2.5100e-004	0.00
tblFleetMix	UBUS	2.5100e-004	0.00
tblGrading	MaterialImported	0.00	24,477.00
tblLandUse	LandUseSquareFeet	177,660.00	177,657.00
tblLandUse	LandUseSquareFeet	81,021.60	84,845.00
tblLandUse	LotAcreage	0.45	2.15
tblLandUse	LotAcreage	4.08	4.50
tblLandUse	LotAcreage	2.40	2.47
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	2.12	3.70
tblVehicleTrips	ST_TR	1.74	4.03
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	2.12	3.70
tblVehicleTrips	SU_TR	1.74	4.03
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	2.12	3.70
tblVehicleTrips	WD_TR	1.74	4.03

2.0 Emissions Summary

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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					
2023	3.7686	51.3902	33.9309	0.1500	19.8582	1.6026	21.1252	10.1558	1.4809	11.3215	0.0000	15,582.0408	15,582.0408	2.3487	1.4894	16,084.6015
2024	29.0029	17.3379	25.7864	0.0602	2.6009	0.7012	3.3021	0.6991	0.6633	1.3624	0.0000	6,008.0124	6,008.0124	0.7404	0.2225	6,091.6857
Maximum	29.0029	51.3902	33.9309	0.1500	19.8582	1.6026	21.1252	10.1558	1.4809	11.3215	0.0000	15,582.0408	15,582.0408	2.3487	1.4894	16,084.6015

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	2.2574	68.1133	42.6023	0.1500	9.0469	1.5114	9.9940	4.5995	1.5037	5.5465	0.0000	15,582.0408	15,582.0408	2.3487	1.4894	16,084.6015
2024	28.5453	28.5822	27.5156	0.0602	2.6009	1.0257	3.6265	0.6991	1.0241	1.7232	0.0000	6,008.0124	6,008.0124	0.7404	0.2225	6,091.6857
Maximum	28.5453	68.1133	42.6023	0.1500	9.0469	1.5114	9.9940	4.5995	1.5037	5.5465	0.0000	15,582.0408	15,582.0408	2.3487	1.4894	16,084.6015

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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	6.01	-40.69	-17.42	0.00	48.14	-10.12	44.24	51.19	-17.89	42.69	0.00	0.00	0.00	0.00	0.00	0.00

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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	4.4645	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087
Energy	0.0407	0.3702	0.3110	2.2200e-003		0.0281	0.0281		0.0281	0.0281		444.2355	444.2355	8.5100e-003	8.1400e-003	446.8754
Mobile	1.5328	4.5579	20.8919	0.0742	7.2635	0.0567	7.3202	1.9575	0.0532	2.0107		7,681.3637	7,681.3637	0.1450	0.3801	7,798.2655
Total	6.0380	4.9285	21.2504	0.0765	7.2635	0.0850	7.3485	1.9575	0.0815	2.0390		8,125.7013	8,125.7013	0.1538	0.3883	8,245.2496

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	4.4645	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087
Energy	0.0407	0.3702	0.3110	2.2200e-003		0.0281	0.0281		0.0281	0.0281		444.2355	444.2355	8.5100e-003	8.1400e-003	446.8754
Mobile	1.5328	4.5579	20.8919	0.0742	7.2635	0.0567	7.3202	1.9575	0.0532	2.0107		7,681.3637	7,681.3637	0.1450	0.3801	7,798.2655
Total	6.0380	4.9285	21.2504	0.0765	7.2635	0.0850	7.3485	1.9575	0.0815	2.0390		8,125.7013	8,125.7013	0.1538	0.3883	8,245.2496

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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	6/5/2023	8/31/2023	5	64	
2	Site Preparation	Site Preparation	9/1/2023	9/21/2023	5	15	
3	Grading	Grading	9/22/2023	10/19/2023	5	20	
4	Building Construction	Building Construction	10/20/2023	5/3/2024	5	141	
5	Architectural Coating	Architectural Coating	2/26/2024	5/31/2024	5	70	
6	Paving	Paving	5/6/2024	5/24/2024	5	15	

Acres of Grading (Site Preparation Phase): 22.5

Acres of Grading (Grading Phase): 60

Acres of Paving: 2.47

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 296,096; Non-Residential Outdoor: 98,699; Striped Parking Area: 6,408 (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	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Summer

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

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	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
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

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	880.00	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	3,060.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	163.00	64.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	33.00	0.00	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

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Summer

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

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.9757	0.0000	2.9757	0.4505	0.0000	0.4505			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183
Total	2.2691	21.4844	19.6434	0.0388	2.9757	0.9975	3.9732	0.4505	0.9280	1.3785		3,746.9840	3,746.9840	1.0494		3,773.2183

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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 - 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	0.0331	1.5123	0.4606	7.7200e-003	0.2408	0.0159	0.2567	0.0660	0.0152	0.0812		841.7363	841.7363	0.0359	0.1334	882.3933
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	0.0587	0.0354	0.5657	1.5000e-003	0.1677	8.3000e-004	0.1685	0.0445	7.6000e-004	0.0452		153.2503	153.2503	3.6600e-003	3.6000e-003	154.4157
Total	0.0918	1.5477	1.0263	9.2200e-003	0.4085	0.0167	0.4252	0.1105	0.0160	0.1265		994.9866	994.9866	0.0396	0.1370	1,036.8089

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.3391	0.0000	1.3391	0.2027	0.0000	0.2027			0.0000			0.0000
Off-Road	1.2617	32.6638	24.6739	0.0388		0.9135	0.9135		0.9135	0.9135	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183
Total	1.2617	32.6638	24.6739	0.0388	1.3391	0.9135	2.2526	0.2027	0.9135	1.1163	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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 - 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	0.0331	1.5123	0.4606	7.7200e-003	0.2408	0.0159	0.2567	0.0660	0.0152	0.0812		841.7363	841.7363	0.0359	0.1334	882.3933
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	0.0587	0.0354	0.5657	1.5000e-003	0.1677	8.3000e-004	0.1685	0.0445	7.6000e-004	0.0452		153.2503	153.2503	3.6600e-003	3.6000e-003	154.4157
Total	0.0918	1.5477	1.0263	9.2200e-003	0.4085	0.0167	0.4252	0.1105	0.0160	0.1265		994.9866	994.9866	0.0396	0.1370	1,036.8089

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.3081	3,687.3081	1.1926		3,717.1219
Total	2.6595	27.5242	18.2443	0.0381	19.6570	1.2660	20.9230	10.1025	1.1647	11.2672		3,687.3081	3,687.3081	1.1926		3,717.1219

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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 - 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	0.0704	0.0425	0.6788	1.8000e-003	0.2012	9.9000e-004	0.2022	0.0534	9.1000e-004	0.0543		183.9003	183.9003	4.3900e-003	4.3200e-003	185.2988
Total	0.0704	0.0425	0.6788	1.8000e-003	0.2012	9.9000e-004	0.2022	0.0534	9.1000e-004	0.0543		183.9003	183.9003	4.3900e-003	4.3200e-003	185.2988

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.8457	0.0000	8.8457	4.5461	0.0000	4.5461			0.0000			0.0000
Off-Road	1.2097	33.7214	22.9600	0.0381		0.9462	0.9462		0.9462	0.9462	0.0000	3,687.3081	3,687.3081	1.1926		3,717.1219
Total	1.2097	33.7214	22.9600	0.0381	8.8457	0.9462	9.7918	4.5461	0.9462	5.4923	0.0000	3,687.3081	3,687.3081	1.1926		3,717.1219

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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 - 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	0.0704	0.0425	0.6788	1.8000e-003	0.2012	9.9000e-004	0.2022	0.0534	9.1000e-004	0.0543		183.9003	183.9003	4.3900e-003	4.3200e-003	185.2988
Total	0.0704	0.0425	0.6788	1.8000e-003	0.2012	9.9000e-004	0.2022	0.0534	9.1000e-004	0.0543		183.9003	183.9003	4.3900e-003	4.3200e-003	185.2988

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.3420	0.0000	9.3420	3.6747	0.0000	3.6747			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105		6,011.4777	6,011.4777	1.9442		6,060.0836
Total	3.3217	34.5156	28.0512	0.0621	9.3420	1.4245	10.7665	3.6747	1.3105	4.9852		6,011.4777	6,011.4777	1.9442		6,060.0836

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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 - 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	0.3686	16.8274	5.1255	0.0859	2.6793	0.1770	2.8563	0.7347	0.1693	0.9040		9,366.2293	9,366.2293	0.3996	1.4846	9,818.6303
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	0.0782	0.0472	0.7542	2.0000e-003	0.2236	1.1000e-003	0.2247	0.0593	1.0200e-003	0.0603		204.3337	204.3337	4.8800e-003	4.8000e-003	205.8876
Total	0.4468	16.8746	5.8797	0.0879	2.9029	0.1781	3.0810	0.7940	0.1703	0.9643		9,570.5631	9,570.5631	0.4045	1.4894	10,024.5179

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					4.2039	0.0000	4.2039	1.6536	0.0000	1.6536			0.0000			0.0000
Off-Road	1.8106	51.2386	36.7226	0.0621		1.3333	1.3333		1.3333	1.3333	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836
Total	1.8106	51.2386	36.7226	0.0621	4.2039	1.3333	5.5372	1.6536	1.3333	2.9869	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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 - 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	0.3686	16.8274	5.1255	0.0859	2.6793	0.1770	2.8563	0.7347	0.1693	0.9040		9,366.229 3	9,366.229 3	0.3996	1.4846	9,818.630 3
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	0.0782	0.0472	0.7542	2.0000e-003	0.2236	1.1000e-003	0.2247	0.0593	1.0200e-003	0.0603		204.3337	204.3337	4.8800e-003	4.8000e-003	205.8876
Total	0.4468	16.8746	5.8797	0.0879	2.9029	0.1781	3.0810	0.7940	0.1703	0.9643		9,570.563 1	9,570.563 1	0.4045	1.4894	10,024.51 79

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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.209 9	2,555.209 9	0.6079		2,570.406 1
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.209 9	2,555.209 9	0.6079		2,570.406 1

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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	0.0749	2.2448	0.9420	0.0115	0.4100	0.0169	0.4269	0.1181	0.0161	0.1342		1,228.2764	1,228.2764	0.0321	0.1814	1,283.1310
Worker	0.6374	0.3846	6.1469	0.0163	1.8220	9.0000e-003	1.8310	0.4832	8.2900e-003	0.4915		1,665.3197	1,665.3197	0.0398	0.0392	1,677.9838
Total	0.7123	2.6294	7.0889	0.0277	2.2320	0.0259	2.2579	0.6013	0.0244	0.6257		2,893.5961	2,893.5961	0.0719	0.2205	2,961.1148

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	1.0809	23.5544	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.0809	23.5544	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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	0.0749	2.2448	0.9420	0.0115	0.4100	0.0169	0.4269	0.1181	0.0161	0.1342		1,228.2764	1,228.2764	0.0321	0.1814	1,283.1310
Worker	0.6374	0.3846	6.1469	0.0163	1.8220	9.0000e-003	1.8310	0.4832	8.2900e-003	0.4915		1,665.3197	1,665.3197	0.0398	0.0392	1,677.9838
Total	0.7123	2.6294	7.0889	0.0277	2.2320	0.0259	2.2579	0.6013	0.0244	0.6257		2,893.5961	2,893.5961	0.0719	0.2205	2,961.1148

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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 - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0732	2.2648	0.9263	0.0113	0.4100	0.0166	0.4266	0.1181	0.0159	0.1340		1,211.3560	1,211.3560	0.0311	0.1789	1,265.4347
Worker	0.5921	0.3414	5.7242	0.0158	1.8220	8.6500e-003	1.8306	0.4832	7.9600e-003	0.4912		1,629.5921	1,629.5921	0.0360	0.0363	1,641.3095
Total	0.6653	2.6062	6.6505	0.0271	2.2320	0.0253	2.2573	0.6013	0.0239	0.6251		2,840.9480	2,840.9480	0.0671	0.2152	2,906.7441

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	1.0809	23.5544	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.0809	23.5544	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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 - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0732	2.2648	0.9263	0.0113	0.4100	0.0166	0.4266	0.1181	0.0159	0.1340		1,211.3560	1,211.3560	0.0311	0.1789	1,265.4347
Worker	0.5921	0.3414	5.7242	0.0158	1.8220	8.6500e-003	1.8306	0.4832	7.9600e-003	0.4912		1,629.5921	1,629.5921	0.0360	0.0363	1,641.3095
Total	0.6653	2.6062	6.6505	0.0271	2.2320	0.0253	2.2573	0.6013	0.0239	0.6251		2,840.9480	2,840.9480	0.0671	0.2152	2,906.7441

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	26.5654					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	26.7461	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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 - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1199	0.0691	1.1589	3.2000e-003	0.3689	1.7500e-003	0.3706	0.0978	1.6100e-003	0.0994		329.9174	329.9174	7.2900e-003	7.3500e-003	332.2896
Total	0.1199	0.0691	1.1589	3.2000e-003	0.3689	1.7500e-003	0.3706	0.0978	1.6100e-003	0.0994		329.9174	329.9174	7.2900e-003	7.3500e-003	332.2896

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	26.5654					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1139	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0159		281.8443
Total	26.6793	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0159		281.8443

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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 - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1199	0.0691	1.1589	3.2000e-003	0.3689	1.7500e-003	0.3706	0.0978	1.6100e-003	0.0994		329.9174	329.9174	7.2900e-003	7.3500e-003	332.2896
Total	0.1199	0.0691	1.1589	3.2000e-003	0.3689	1.7500e-003	0.3706	0.0978	1.6100e-003	0.0994		329.9174	329.9174	7.2900e-003	7.3500e-003	332.2896

3.7 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.4314					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4196	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.5472	2,207.5472	0.7140		2,225.3963

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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 - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0545	0.0314	0.5268	1.4500e-003	0.1677	8.0000e-004	0.1685	0.0445	7.3000e-004	0.0452		149.9625	149.9625	3.3100e-003	3.3400e-003	151.0408
Total	0.0545	0.0314	0.5268	1.4500e-003	0.1677	8.0000e-004	0.1685	0.0445	7.3000e-004	0.0452		149.9625	149.9625	3.3100e-003	3.3400e-003	151.0408

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9311	20.1146	17.2957	0.0228		0.6670	0.6670		0.6670	0.6670	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.4314					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3625	20.1146	17.2957	0.0228		0.6670	0.6670		0.6670	0.6670	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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 - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0545	0.0314	0.5268	1.4500e-003	0.1677	8.0000e-004	0.1685	0.0445	7.3000e-004	0.0452		149.9625	149.9625	3.3100e-003	3.3400e-003	151.0408
Total	0.0545	0.0314	0.5268	1.4500e-003	0.1677	8.0000e-004	0.1685	0.0445	7.3000e-004	0.0452		149.9625	149.9625	3.3100e-003	3.3400e-003	151.0408

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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	1.5328	4.5579	20.8919	0.0742	7.2635	0.0567	7.3202	1.9575	0.0532	2.0107		7,681,363 7	7,681,363 7	0.1450	0.3801	7,798,265 5
Unmitigated	1.5328	4.5579	20.8919	0.0742	7.2635	0.0567	7.3202	1.9575	0.0532	2.0107		7,681,363 7	7,681,363 7	0.1450	0.3801	7,798,265 5

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	73.04	73.04	73.04	313,020	313,020
Unrefrigerated Warehouse-No Rail	715.97	715.97	715.97	3,068,444	3,068,444
Total	789.01	789.01	789.01	3,381,464	3,381,464

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
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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
City Park	0.540566	0.056059	0.172680	0.136494	0.026304	0.007104	0.011680	0.017449	0.000554	0.000251	0.025076	0.000954	0.004830
Parking Lot	0.540566	0.056059	0.172680	0.136494	0.026304	0.007104	0.011680	0.017449	0.000554	0.000251	0.025076	0.000954	0.004830
Refrigerated Warehouse-No Rail	0.363014	0.181507	0.181507	0.000000	0.102740	0.102740	0.068493	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Unrefrigerated Warehouse-No Rail	0.437849	0.218925	0.218925	0.000000	0.027933	0.027933	0.068436	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	0.0407	0.3702	0.3110	2.2200e-003		0.0281	0.0281		0.0281	0.0281		444.2355	444.2355	8.5100e-003	8.1400e-003	446.8754
NaturalGas Unmitigated	0.0407	0.3702	0.3110	2.2200e-003		0.0281	0.0281		0.0281	0.0281		444.2355	444.2355	8.5100e-003	8.1400e-003	446.8754

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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					
City Park	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
Refrigerated Warehouse-No Rail	2797.67	0.0302	0.2743	0.2304	1.6500e-003		0.0209	0.0209		0.0209	0.0209		329.1379	329.1379	6.3100e-003	6.0300e-003	331.0938
Unrefrigerated Warehouse-No Rail	978.33	0.0106	0.0959	0.0806	5.8000e-004		7.2900e-003	7.2900e-003		7.2900e-003	7.2900e-003		115.0977	115.0977	2.2100e-003	2.1100e-003	115.7817
Total		0.0407	0.3702	0.3110	2.2300e-003		0.0281	0.0281		0.0281	0.0281		444.2356	444.2356	8.5200e-003	8.1400e-003	446.8754

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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					
City Park	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
Refrigerated Warehouse-No Rail	2.79767	0.0302	0.2743	0.2304	1.6500e-003		0.0209	0.0209		0.0209	0.0209		329.1379	329.1379	6.3100e-003	6.0300e-003	331.0938
Unrefrigerated Warehouse-No Rail	0.97833	0.0106	0.0959	0.0806	5.8000e-004		7.2900e-003	7.2900e-003		7.2900e-003	7.2900e-003		115.0977	115.0977	2.2100e-003	2.1100e-003	115.7817
Total		0.0407	0.3702	0.3110	2.2300e-003		0.0281	0.0281		0.0281	0.0281		444.2356	444.2356	8.5200e-003	8.1400e-003	446.8754

6.0 Area Detail

6.1 Mitigation Measures Area

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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	4.4645	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087
Unmitigated	4.4645	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087

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	0.5095					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9507					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.3900e-003	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087
Total	4.4645	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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	0.5095					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9507					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.3900e-003	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087
Total	4.4645	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087

7.0 Water Detail

7.1 Mitigation Measures Water

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Winter

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

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks

San Bernardino-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	19.74	1000sqft	2.15	19,740.00	0
Unrefrigerated Warehouse-No Rail	177.66	1000sqft	4.50	177,657.00	0
Parking Lot	267.00	Space	2.47	106,800.00	0
City Park	1.86	Acre	1.86	84,845.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2024
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 site is 10.98 acres, project consist of a 197,397 sq ft warehouse with 10% cold storage

Construction Phase - Construction would start in June 2023 and end in May 2024. Overlap of building construction and architectural coating phases.

Off-road Equipment - Default equipment

Demolition - Demolition of existing buildings

Grading - Project would require the import of 24,477 CY of soil

Vehicle Trips - Based on a trip generation of 96 ADT for Refrigerated Warehouse and 866 ADT for Unrefrigerated Warehouse (excluding 4-axle truck trips).

Construction Off-road Equipment Mitigation - Project will comply with SCAQMD rule 403, use of Tier 2 equipment

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Winter

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

tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstructionPhase	NumDays	20.00	70.00
tblConstructionPhase	NumDays	300.00	141.00
tblConstructionPhase	NumDays	20.00	64.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDays	10.00	15.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.54	0.36
tblFleetMix	LDA	0.54	0.44
tblFleetMix	LDT1	0.06	0.18
tblFleetMix	LDT1	0.06	0.22
tblFleetMix	LDT2	0.17	0.18
tblFleetMix	LDT2	0.17	0.22
tblFleetMix	LHD1	0.03	0.10
tblFleetMix	LHD1	0.03	0.03
tblFleetMix	LHD2	7.1040e-003	0.10
tblFleetMix	LHD2	7.1040e-003	0.03
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	4.8300e-003	0.00
tblFleetMix	MH	4.8300e-003	0.00
tblFleetMix	MHD	0.01	0.07
tblFleetMix	MHD	0.01	0.07
tblFleetMix	OBUS	5.5400e-004	0.00

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Winter

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

tblFleetMix	OBUS	5.5400e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	UBUS	2.5100e-004	0.00
tblFleetMix	UBUS	2.5100e-004	0.00
tblGrading	MaterialImported	0.00	24,477.00
tblLandUse	LandUseSquareFeet	177,660.00	177,657.00
tblLandUse	LandUseSquareFeet	81,021.60	84,845.00
tblLandUse	LotAcreage	0.45	2.15
tblLandUse	LotAcreage	4.08	4.50
tblLandUse	LotAcreage	2.40	2.47
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	2.12	3.70
tblVehicleTrips	ST_TR	1.74	4.03
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	2.12	3.70
tblVehicleTrips	SU_TR	1.74	4.03
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	2.12	3.70
tblVehicleTrips	WD_TR	1.74	4.03

2.0 Emissions Summary

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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					
2023	3.7379	52.3042	33.8899	0.1500	19.8582	1.6029	21.1252	10.1558	1.4812	11.3215	0.0000	15,576.96 13	15,576.96 13	2.3474	1.4918	16,080.19 96
2024	28.9732	17.4860	24.6036	0.0585	2.6009	0.7013	3.3022	0.6991	0.6633	1.3624	0.0000	5,827.116 3	5,827.116 3	0.7405	0.2245	5,911.364 4
Maximum	28.9732	52.3042	33.8899	0.1500	19.8582	1.6029	21.1252	10.1558	1.4812	11.3215	0.0000	15,576.96 13	15,576.96 13	2.3474	1.4918	16,080.19 96

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	2.2268	69.0272	42.5614	0.1500	9.0469	1.5117	9.9940	4.5995	1.5039	5.5465	0.0000	15,576.96 13	15,576.96 13	2.3474	1.4918	16,080.19 96
2024	28.5156	28.7303	26.3328	0.0585	2.6009	1.0257	3.6266	0.6991	1.0242	1.7233	0.0000	5,827.116 3	5,827.116 3	0.7405	0.2245	5,911.364 4
Maximum	28.5156	69.0272	42.5614	0.1500	9.0469	1.5117	9.9940	4.5995	1.5039	5.5465	0.0000	15,576.96 13	15,576.96 13	2.3474	1.4918	16,080.19 96

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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	6.02	-40.07	-17.78	0.00	48.14	-10.12	44.24	51.19	-17.89	42.68	0.00	0.00	0.00	0.00	0.00	0.00

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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	4.4645	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087
Energy	0.0407	0.3702	0.3110	2.2200e-003		0.0281	0.0281		0.0281	0.0281		444.2355	444.2355	8.5100e-003	8.1400e-003	446.8754
Mobile	1.2906	4.7694	17.6595	0.0693	7.2635	0.0567	7.3202	1.9575	0.0532	2.0107		7,174.1648	7,174.1648	0.1479	0.3851	7,292.6218
Total	5.7959	5.1400	18.0180	0.0715	7.2635	0.0850	7.3485	1.9575	0.0815	2.0390		7,618.5023	7,618.5023	0.1566	0.3932	7,739.6059

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	4.4645	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087
Energy	0.0407	0.3702	0.3110	2.2200e-003		0.0281	0.0281		0.0281	0.0281		444.2355	444.2355	8.5100e-003	8.1400e-003	446.8754
Mobile	1.2906	4.7694	17.6595	0.0693	7.2635	0.0567	7.3202	1.9575	0.0532	2.0107		7,174.1648	7,174.1648	0.1479	0.3851	7,292.6218
Total	5.7959	5.1400	18.0180	0.0715	7.2635	0.0850	7.3485	1.9575	0.0815	2.0390		7,618.5023	7,618.5023	0.1566	0.3932	7,739.6059

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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	6/5/2023	8/31/2023	5	64	
2	Site Preparation	Site Preparation	9/1/2023	9/21/2023	5	15	
3	Grading	Grading	9/22/2023	10/19/2023	5	20	
4	Building Construction	Building Construction	10/20/2023	5/3/2024	5	141	
5	Architectural Coating	Architectural Coating	2/26/2024	5/31/2024	5	70	
6	Paving	Paving	5/6/2024	5/24/2024	5	15	

Acres of Grading (Site Preparation Phase): 22.5

Acres of Grading (Grading Phase): 60

Acres of Paving: 2.47

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 296,096; Non-Residential Outdoor: 98,699; Striped Parking Area: 6,408 (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	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Winter

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

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	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
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

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	880.00	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	3,060.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	163.00	64.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	33.00	0.00	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

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Winter

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

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.9757	0.0000	2.9757	0.4505	0.0000	0.4505			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183
Total	2.2691	21.4844	19.6434	0.0388	2.9757	0.9975	3.9732	0.4505	0.9280	1.3785		3,746.9840	3,746.9840	1.0494		3,773.2183

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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 - 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	0.0306	1.5942	0.4689	7.7400e-003	0.2408	0.0159	0.2567	0.0660	0.0152	0.0813		843.0064	843.0064	0.0358	0.1336	883.7201
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	0.0565	0.0372	0.4656	1.3600e-003	0.1677	8.3000e-004	0.1685	0.0445	7.6000e-004	0.0452		138.8409	138.8409	3.6600e-003	3.7200e-003	140.0409
Total	0.0871	1.6314	0.9345	9.1000e-003	0.4085	0.0168	0.4252	0.1105	0.0160	0.1265		981.8473	981.8473	0.0395	0.1373	1,023.7610

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.3391	0.0000	1.3391	0.2027	0.0000	0.2027			0.0000			0.0000
Off-Road	1.2617	32.6638	24.6739	0.0388		0.9135	0.9135		0.9135	0.9135	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183
Total	1.2617	32.6638	24.6739	0.0388	1.3391	0.9135	2.2526	0.2027	0.9135	1.1163	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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 - 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	0.0306	1.5942	0.4689	7.7400e-003	0.2408	0.0159	0.2567	0.0660	0.0152	0.0813		843.0064	843.0064	0.0358	0.1336	883.7201
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	0.0565	0.0372	0.4656	1.3600e-003	0.1677	8.3000e-004	0.1685	0.0445	7.6000e-004	0.0452		138.8409	138.8409	3.6600e-003	3.7200e-003	140.0409
Total	0.0871	1.6314	0.9345	9.1000e-003	0.4085	0.0168	0.4252	0.1105	0.0160	0.1265		981.8473	981.8473	0.0395	0.1373	1,023.7610

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.3081	3,687.3081	1.1926		3,717.1219
Total	2.6595	27.5242	18.2443	0.0381	19.6570	1.2660	20.9230	10.1025	1.1647	11.2672		3,687.3081	3,687.3081	1.1926		3,717.1219

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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 - 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	0.0678	0.0447	0.5587	1.6300e-003	0.2012	9.9000e-004	0.2022	0.0534	9.1000e-004	0.0543		166.6090	166.6090	4.4000e-003	4.4600e-003	168.0491
Total	0.0678	0.0447	0.5587	1.6300e-003	0.2012	9.9000e-004	0.2022	0.0534	9.1000e-004	0.0543		166.6090	166.6090	4.4000e-003	4.4600e-003	168.0491

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.8457	0.0000	8.8457	4.5461	0.0000	4.5461			0.0000			0.0000
Off-Road	1.2097	33.7214	22.9600	0.0381		0.9462	0.9462		0.9462	0.9462	0.0000	3,687.3081	3,687.3081	1.1926		3,717.1219
Total	1.2097	33.7214	22.9600	0.0381	8.8457	0.9462	9.7918	4.5461	0.9462	5.4923	0.0000	3,687.3081	3,687.3081	1.1926		3,717.1219

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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 - 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	0.0678	0.0447	0.5587	1.6300e-003	0.2012	9.9000e-004	0.2022	0.0534	9.1000e-004	0.0543		166.6090	166.6090	4.4000e-003	4.4600e-003	168.0491
Total	0.0678	0.0447	0.5587	1.6300e-003	0.2012	9.9000e-004	0.2022	0.0534	9.1000e-004	0.0543		166.6090	166.6090	4.4000e-003	4.4600e-003	168.0491

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.3420	0.0000	9.3420	3.6747	0.0000	3.6747			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105		6,011.4777	6,011.4777	1.9442		6,060.0836
Total	3.3217	34.5156	28.0512	0.0621	9.3420	1.4245	10.7665	3.6747	1.3105	4.9852		6,011.4777	6,011.4777	1.9442		6,060.0836

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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 - 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	0.3409	17.7390	5.2180	0.0861	2.6793	0.1773	2.8566	0.7347	0.1696	0.9043		9,380.3625	9,380.3625	0.3982	1.4868	9,833.3948
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	0.0753	0.0496	0.6208	1.8100e-003	0.2236	1.1000e-003	0.2247	0.0593	1.0200e-003	0.0603		185.1212	185.1212	4.8900e-003	4.9600e-003	186.7212
Total	0.4162	17.7886	5.8388	0.0879	2.9029	0.1784	3.0813	0.7940	0.1706	0.9646		9,565.4836	9,565.4836	0.4031	1.4918	10,020.1160

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					4.2039	0.0000	4.2039	1.6536	0.0000	1.6536			0.0000			0.0000
Off-Road	1.8106	51.2386	36.7226	0.0621		1.3333	1.3333		1.3333	1.3333	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836
Total	1.8106	51.2386	36.7226	0.0621	4.2039	1.3333	5.5372	1.6536	1.3333	2.9869	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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 - 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	0.3409	17.7390	5.2180	0.0861	2.6793	0.1773	2.8566	0.7347	0.1696	0.9043		9,380.3625	9,380.3625	0.3982	1.4868	9,833.3948
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	0.0753	0.0496	0.6208	1.8100e-003	0.2236	1.1000e-003	0.2247	0.0593	1.0200e-003	0.0603		185.1212	185.1212	4.8900e-003	4.9600e-003	186.7212
Total	0.4162	17.7886	5.8388	0.0879	2.9029	0.1784	3.0813	0.7940	0.1706	0.9646		9,565.4836	9,565.4836	0.4031	1.4918	10,020.1160

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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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	0.0697	2.3711	0.9710	0.0115	0.4100	0.0169	0.4270	0.1181	0.0162	0.1343		1,231.255 1	1,231.255 1	0.0319	0.1820	1,286.271 2
Worker	0.6140	0.4044	5.0592	0.0147	1.8220	9.0000e-003	1.8310	0.4832	8.2900e-003	0.4915		1,508.737 3	1,508.737 3	0.0398	0.0404	1,521.777 8
Total	0.6837	2.7755	6.0302	0.0262	2.2320	0.0259	2.2579	0.6013	0.0245	0.6258		2,739.992 4	2,739.992 4	0.0717	0.2224	2,808.049 0

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	1.0809	23.5544	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.209 9	2,555.209 9	0.6079		2,570.406 1
Total	1.0809	23.5544	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.209 9	2,555.209 9	0.6079		2,570.406 1

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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	0.0697	2.3711	0.9710	0.0115	0.4100	0.0169	0.4270	0.1181	0.0162	0.1343		1,231.255 1	1,231.255 1	0.0319	0.1820	1,286.271 2
Worker	0.6140	0.4044	5.0592	0.0147	1.8220	9.0000e-003	1.8310	0.4832	8.2900e-003	0.4915		1,508.737 3	1,508.737 3	0.0398	0.0404	1,521.777 8
Total	0.6837	2.7755	6.0302	0.0262	2.2320	0.0259	2.2579	0.6013	0.0245	0.6258		2,739.992 4	2,739.992 4	0.0717	0.2224	2,808.049 0

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.698 9	2,555.698 9	0.6044		2,570.807 7
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.698 9	2,555.698 9	0.6044		2,570.807 7

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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 - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0680	2.3919	0.9551	0.0113	0.4100	0.0167	0.4267	0.1181	0.0160	0.1340		1,214.3166	1,214.3166	0.0309	0.1794	1,268.5530
Worker	0.5718	0.3589	4.7166	0.0143	1.8220	8.6500e-003	1.8306	0.4832	7.9600e-003	0.4912		1,476.6908	1,476.6908	0.0361	0.0375	1,488.7551
Total	0.6397	2.7508	5.6717	0.0256	2.2320	0.0253	2.2573	0.6013	0.0239	0.6252		2,691.0074	2,691.0074	0.0670	0.2169	2,757.3081

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	1.0809	23.5544	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.0809	23.5544	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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 - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0680	2.3919	0.9551	0.0113	0.4100	0.0167	0.4267	0.1181	0.0160	0.1340		1,214.3166	1,214.3166	0.0309	0.1794	1,268.5530
Worker	0.5718	0.3589	4.7166	0.0143	1.8220	8.6500e-003	1.8306	0.4832	7.9600e-003	0.4912		1,476.6908	1,476.6908	0.0361	0.0375	1,488.7551
Total	0.6397	2.7508	5.6717	0.0256	2.2320	0.0253	2.2573	0.6013	0.0239	0.6252		2,691.0074	2,691.0074	0.0670	0.2169	2,757.3081

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	26.5654					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	26.7461	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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 - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1158	0.0727	0.9549	2.9000e-003	0.3689	1.7500e-003	0.3706	0.0978	1.6100e-003	0.0994		298.9619	298.9619	7.3100e-003	7.5800e-003	301.4044
Total	0.1158	0.0727	0.9549	2.9000e-003	0.3689	1.7500e-003	0.3706	0.0978	1.6100e-003	0.0994		298.9619	298.9619	7.3100e-003	7.5800e-003	301.4044

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	26.5654					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1139	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0159		281.8443
Total	26.6793	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0159		281.8443

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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 - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1158	0.0727	0.9549	2.9000e-003	0.3689	1.7500e-003	0.3706	0.0978	1.6100e-003	0.0994		298.9619	298.9619	7.3100e-003	7.5800e-003	301.4044
Total	0.1158	0.0727	0.9549	2.9000e-003	0.3689	1.7500e-003	0.3706	0.0978	1.6100e-003	0.0994		298.9619	298.9619	7.3100e-003	7.5800e-003	301.4044

3.7 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.4314					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4196	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.5472	2,207.5472	0.7140		2,225.3963

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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 - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0526	0.0330	0.4340	1.3200e-003	0.1677	8.0000e-004	0.1685	0.0445	7.3000e-004	0.0452		135.8918	135.8918	3.3200e-003	3.4500e-003	137.0020
Total	0.0526	0.0330	0.4340	1.3200e-003	0.1677	8.0000e-004	0.1685	0.0445	7.3000e-004	0.0452		135.8918	135.8918	3.3200e-003	3.4500e-003	137.0020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9311	20.1146	17.2957	0.0228		0.6670	0.6670		0.6670	0.6670	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.4314					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3625	20.1146	17.2957	0.0228		0.6670	0.6670		0.6670	0.6670	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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 - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0526	0.0330	0.4340	1.3200e-003	0.1677	8.0000e-004	0.1685	0.0445	7.3000e-004	0.0452		135.8918	135.8918	3.3200e-003	3.4500e-003	137.0020
Total	0.0526	0.0330	0.4340	1.3200e-003	0.1677	8.0000e-004	0.1685	0.0445	7.3000e-004	0.0452		135.8918	135.8918	3.3200e-003	3.4500e-003	137.0020

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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	1.2906	4.7694	17.6595	0.0693	7.2635	0.0567	7.3202	1.9575	0.0532	2.0107		7,174.1648	7,174.1648	0.1479	0.3851	7,292.6218
Unmitigated	1.2906	4.7694	17.6595	0.0693	7.2635	0.0567	7.3202	1.9575	0.0532	2.0107		7,174.1648	7,174.1648	0.1479	0.3851	7,292.6218

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	73.04	73.04	73.04	313,020	313,020
Unrefrigerated Warehouse-No Rail	715.97	715.97	715.97	3,068,444	3,068,444
Total	789.01	789.01	789.01	3,381,464	3,381,464

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
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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
City Park	0.540566	0.056059	0.172680	0.136494	0.026304	0.007104	0.011680	0.017449	0.000554	0.000251	0.025076	0.000954	0.004830
Parking Lot	0.540566	0.056059	0.172680	0.136494	0.026304	0.007104	0.011680	0.017449	0.000554	0.000251	0.025076	0.000954	0.004830
Refrigerated Warehouse-No Rail	0.363014	0.181507	0.181507	0.000000	0.102740	0.102740	0.068493	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Unrefrigerated Warehouse-No Rail	0.437849	0.218925	0.218925	0.000000	0.027933	0.027933	0.068436	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	0.0407	0.3702	0.3110	2.2200e-003		0.0281	0.0281		0.0281	0.0281		444.2355	444.2355	8.5100e-003	8.1400e-003	446.8754
NaturalGas Unmitigated	0.0407	0.3702	0.3110	2.2200e-003		0.0281	0.0281		0.0281	0.0281		444.2355	444.2355	8.5100e-003	8.1400e-003	446.8754

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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					
City Park	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
Refrigerated Warehouse-No Rail	2797.67	0.0302	0.2743	0.2304	1.6500e-003		0.0209	0.0209		0.0209	0.0209		329.1379	329.1379	6.3100e-003	6.0300e-003	331.0938
Unrefrigerated Warehouse-No Rail	978.33	0.0106	0.0959	0.0806	5.8000e-004		7.2900e-003	7.2900e-003		7.2900e-003	7.2900e-003		115.0977	115.0977	2.2100e-003	2.1100e-003	115.7817
Total		0.0407	0.3702	0.3110	2.2300e-003		0.0281	0.0281		0.0281	0.0281		444.2356	444.2356	8.5200e-003	8.1400e-003	446.8754

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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					
City Park	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
Refrigerated Warehouse-No Rail	2.79767	0.0302	0.2743	0.2304	1.6500e-003		0.0209	0.0209		0.0209	0.0209		329.1379	329.1379	6.3100e-003	6.0300e-003	331.0938
Unrefrigerated Warehouse-No Rail	0.97833	0.0106	0.0959	0.0806	5.8000e-004		7.2900e-003	7.2900e-003		7.2900e-003	7.2900e-003		115.0977	115.0977	2.2100e-003	2.1100e-003	115.7817
Total		0.0407	0.3702	0.3110	2.2300e-003		0.0281	0.0281		0.0281	0.0281		444.2356	444.2356	8.5200e-003	8.1400e-003	446.8754

6.0 Area Detail

6.1 Mitigation Measures Area

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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	4.4645	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087
Unmitigated	4.4645	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087

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	0.5095					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9507					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.3900e-003	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087
Total	4.4645	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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	0.5095					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9507					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.3900e-003	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087
Total	4.4645	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087

7.0 Water Detail

7.1 Mitigation Measures Water

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-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

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Annual

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

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks

San Bernardino-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	19.74	1000sqft	2.15	19,740.00	0
Unrefrigerated Warehouse-No Rail	177.66	1000sqft	4.50	177,657.00	0
Parking Lot	267.00	Space	2.47	106,800.00	0
City Park	1.86	Acre	1.86	84,845.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2024
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 project site is 10.98 acres, project consist of a 197,397 sq ft warehouse with 10% cold storage

Construction Phase - Construction would start in June 2023 and end in May 2024. Overlap of building construction and architectural coating phases.

Off-road Equipment - Default equipment

Demolition - Demolition of existing buildings

Grading - Project would require the import of 24,477 CY of soil

Vehicle Trips - Based on a trip generation of 25 ADT for Refrigerated Warehouse and 149 ADT for Unrefrigerated Warehouse (4-axle truck trips only) and assuming a 40-mile trip length.

Construction Off-road Equipment Mitigation - Project will comply with SCAQMD rule 403, use of Tier 2 equipment

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Annual

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

tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstructionPhase	NumDays	20.00	64.00
tblConstructionPhase	NumDays	10.00	15.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	300.00	141.00
tblConstructionPhase	NumDays	20.00	70.00
tblConstructionPhase	NumDays	20.00	15.00
tblFleetMix	HHD	0.02	1.00
tblFleetMix	HHD	0.02	1.00
tblFleetMix	LDA	0.54	0.00
tblFleetMix	LDA	0.54	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.1040e-003	0.00
tblFleetMix	LHD2	7.1040e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	4.8300e-003	0.00
tblFleetMix	MH	4.8300e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	5.5400e-004	0.00

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Annual

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

tblFleetMix	OBUS	5.5400e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	UBUS	2.5100e-004	0.00
tblFleetMix	UBUS	2.5100e-004	0.00
tblGrading	MaterialImported	0.00	24,477.00
tblLandUse	LandUseSquareFeet	177,660.00	177,657.00
tblLandUse	LandUseSquareFeet	81,021.60	84,845.00
tblLandUse	LotAcreage	0.45	2.15
tblLandUse	LotAcreage	4.08	4.50
tblLandUse	LotAcreage	2.40	2.47
tblVehicleTrips	CC_TL	8.40	40.00
tblVehicleTrips	CC_TL	8.40	40.00
tblVehicleTrips	CNW_TL	6.90	40.00
tblVehicleTrips	CNW_TL	6.90	40.00
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	2.12	1.17
tblVehicleTrips	ST_TR	1.74	0.84
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	2.12	1.17
tblVehicleTrips	SU_TR	1.74	0.84
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	2.12	1.17
tblVehicleTrips	WD_TR	1.74	0.84

2.0 Emissions Summary

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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					
2023	0.1896	1.9082	1.7128	4.6900e-003	0.4348	0.0765	0.5113	0.1537	0.0712	0.2249	0.0000	427.9988	427.9988	0.0768	0.0227	436.6865
2024	1.0440	0.8461	1.2038	2.7700e-003	0.1125	0.0345	0.1469	0.0303	0.0325	0.0628	0.0000	249.8906	249.8906	0.0331	9.1700e-003	253.4484
Maximum	1.0440	1.9082	1.7128	4.6900e-003	0.4348	0.0765	0.5113	0.1537	0.0712	0.2249	0.0000	427.9988	427.9988	0.0768	0.0227	436.6865

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.1189	2.7134	2.0374	4.6900e-003	0.2500	0.0757	0.3257	0.0839	0.0756	0.1594	0.0000	427.9985	427.9985	0.0768	0.0227	436.6862
2024	1.0237	1.4202	1.3014	2.7700e-003	0.1125	0.0502	0.1627	0.0303	0.0501	0.0804	0.0000	249.8905	249.8905	0.0331	9.1700e-003	253.4482
Maximum	1.0237	2.7134	2.0374	4.6900e-003	0.2500	0.0757	0.3257	0.0839	0.0756	0.1594	0.0000	427.9985	427.9985	0.0768	0.0227	436.6862

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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	7.39	-50.08	-14.48	0.00	33.77	-13.48	25.81	37.94	-21.28	16.61	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	6-5-2023	9-4-2023	0.8413	1.1678
2	9-5-2023	12-4-2023	1.0605	1.3840
3	12-5-2023	3-4-2024	0.6861	0.9950
4	3-5-2024	6-4-2024	1.3505	1.6638
		Highest	1.3505	1.6638

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	0.8145	5.0000e-005	5.9400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0116	0.0116	3.0000e-005	0.0000	0.0123
Energy	7.4300e-003	0.0676	0.0568	4.1000e-004		5.1300e-003	5.1300e-003		5.1300e-003	5.1300e-003	0.0000	292.7448	292.7448	0.0199	3.5900e-003	294.3126
Mobile	0.0999	6.2279	1.4552	0.0313	1.0062	0.0662	1.0724	0.2763	0.0634	0.3397	0.0000	3,099.4810	3,099.4810	0.1319	0.4913	3,249.1953
Waste						0.0000	0.0000		0.0000	0.0000	37.6995	0.0000	37.6995	2.2280	0.0000	93.3989
Water						0.0000	0.0000		0.0000	0.0000	14.4822	109.7794	124.2616	1.4967	0.0363	172.4810
Total	0.9219	6.2955	1.5179	0.0318	1.0062	0.0714	1.0776	0.2763	0.0685	0.3448	52.1817	3,502.0167	3,554.1984	3.8765	0.5312	3,809.4001

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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	0.8145	5.0000e-005	5.9400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0116	0.0116	3.0000e-005	0.0000	0.0123
Energy	7.4300e-003	0.0676	0.0568	4.1000e-004		5.1300e-003	5.1300e-003		5.1300e-003	5.1300e-003	0.0000	292.7448	292.7448	0.0199	3.5900e-003	294.3126
Mobile	0.0999	6.2279	1.4552	0.0313	1.0062	0.0662	1.0724	0.2763	0.0634	0.3397	0.0000	3,099.4810	3,099.4810	0.1319	0.4913	3,249.1953
Waste						0.0000	0.0000		0.0000	0.0000	37.6995	0.0000	37.6995	2.2280	0.0000	93.3989
Water						0.0000	0.0000		0.0000	0.0000	14.4822	109.7794	124.2616	1.4967	0.0363	172.4810
Total	0.9219	6.2955	1.5179	0.0318	1.0062	0.0714	1.0776	0.2763	0.0685	0.3448	52.1817	3,502.0167	3,554.1984	3.8765	0.5312	3,809.4001

	ROG	NOx	CO	SO2	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	6/5/2023	8/31/2023	5	64	
2	Site Preparation	Site Preparation	9/1/2023	9/21/2023	5	15	
3	Grading	Grading	9/22/2023	10/19/2023	5	20	

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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	10/20/2023	5/3/2024	5	141
5	Architectural Coating	Architectural Coating	2/26/2024	5/31/2024	5	70
6	Paving	Paving	5/6/2024	5/24/2024	5	15

Acres of Grading (Site Preparation Phase): 22.5

Acres of Grading (Grading Phase): 60

Acres of Paving: 2.47

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 296,096; Non-Residential Outdoor: 98,699; Striped Parking Area: 6,408 (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	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
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	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Annual

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

Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

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	880.00	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	3,060.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	163.00	64.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	33.00	0.00	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

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0952	0.0000	0.0952	0.0144	0.0000	0.0144	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0726	0.6875	0.6286	1.2400e-003		0.0319	0.0319		0.0297	0.0297	0.0000	108.7746	108.7746	0.0305	0.0000	109.5362
Total	0.0726	0.6875	0.6286	1.2400e-003	0.0952	0.0319	0.1271	0.0144	0.0297	0.0441	0.0000	108.7746	108.7746	0.0305	0.0000	109.5362

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0300e-003	0.0512	0.0149	2.5000e-004	7.5800e-003	5.1000e-004	8.0900e-003	2.0800e-003	4.9000e-004	2.5700e-003	0.0000	24.4510	24.4510	1.0400e-003	3.8800e-003	25.6320
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	1.6700e-003	1.2500e-003	0.0156	4.0000e-005	5.2600e-003	3.0000e-005	5.2900e-003	1.4000e-003	2.0000e-005	1.4200e-003	0.0000	4.1105	4.1105	1.1000e-004	1.1000e-004	4.1465
Total	2.7000e-003	0.0524	0.0305	2.9000e-004	0.0128	5.4000e-004	0.0134	3.4800e-003	5.1000e-004	3.9900e-003	0.0000	28.5615	28.5615	1.1500e-003	3.9900e-003	29.7784

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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 - 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					
Fugitive Dust					0.0429	0.0000	0.0429	6.4900e-003	0.0000	6.4900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0404	1.0452	0.7896	1.2400e-003		0.0292	0.0292		0.0292	0.0292	0.0000	108.7745	108.7745	0.0305	0.0000	109.5361
Total	0.0404	1.0452	0.7896	1.2400e-003	0.0429	0.0292	0.0721	6.4900e-003	0.0292	0.0357	0.0000	108.7745	108.7745	0.0305	0.0000	109.5361

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0300e-003	0.0512	0.0149	2.5000e-004	7.5800e-003	5.1000e-004	8.0900e-003	2.0800e-003	4.9000e-004	2.5700e-003	0.0000	24.4510	24.4510	1.0400e-003	3.8800e-003	25.6320
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	1.6700e-003	1.2500e-003	0.0156	4.0000e-005	5.2600e-003	3.0000e-005	5.2900e-003	1.4000e-003	2.0000e-005	1.4200e-003	0.0000	4.1105	4.1105	1.1000e-004	1.1000e-004	4.1465
Total	2.7000e-003	0.0524	0.0305	2.9000e-004	0.0128	5.4000e-004	0.0134	3.4800e-003	5.1000e-004	3.9900e-003	0.0000	28.5615	28.5615	1.1500e-003	3.9900e-003	29.7784

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1474	0.0000	0.1474	0.0758	0.0000	0.0758	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0200	0.2064	0.1368	2.9000e-004		9.5000e-003	9.5000e-003		8.7400e-003	8.7400e-003	0.0000	25.0880	25.0880	8.1100e-003	0.0000	25.2909
Total	0.0200	0.2064	0.1368	2.9000e-004	0.1474	9.5000e-003	0.1569	0.0758	8.7400e-003	0.0845	0.0000	25.0880	25.0880	8.1100e-003	0.0000	25.2909

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	4.7000e-004	3.5000e-004	4.3900e-003	1.0000e-005	1.4800e-003	1.0000e-005	1.4900e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.1561	1.1561	3.0000e-005	3.0000e-005	1.1662
Total	4.7000e-004	3.5000e-004	4.3900e-003	1.0000e-005	1.4800e-003	1.0000e-005	1.4900e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.1561	1.1561	3.0000e-005	3.0000e-005	1.1662

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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 - 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					
Fugitive Dust					0.0663	0.0000	0.0663	0.0341	0.0000	0.0341	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.0700e-003	0.2529	0.1722	2.9000e-004		7.1000e-003	7.1000e-003		7.1000e-003	7.1000e-003	0.0000	25.0880	25.0880	8.1100e-003	0.0000	25.2908
Total	9.0700e-003	0.2529	0.1722	2.9000e-004	0.0663	7.1000e-003	0.0734	0.0341	7.1000e-003	0.0412	0.0000	25.0880	25.0880	8.1100e-003	0.0000	25.2908

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	4.7000e-004	3.5000e-004	4.3900e-003	1.0000e-005	1.4800e-003	1.0000e-005	1.4900e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.1561	1.1561	3.0000e-005	3.0000e-005	1.1662
Total	4.7000e-004	3.5000e-004	4.3900e-003	1.0000e-005	1.4800e-003	1.0000e-005	1.4900e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.1561	1.1561	3.0000e-005	3.0000e-005	1.1662

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0934	0.0000	0.0934	0.0368	0.0000	0.0368	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0332	0.3452	0.2805	6.2000e-004		0.0142	0.0142		0.0131	0.0131	0.0000	54.5352	54.5352	0.0176	0.0000	54.9762
Total	0.0332	0.3452	0.2805	6.2000e-004	0.0934	0.0142	0.1077	0.0368	0.0131	0.0499	0.0000	54.5352	54.5352	0.0176	0.0000	54.9762

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	3.5700e-003	0.1780	0.0516	8.6000e-004	0.0264	1.7700e-003	0.0281	7.2400e-003	1.6900e-003	8.9300e-003	0.0000	85.0228	85.0228	3.6200e-003	0.0135	89.1294
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-004	5.2000e-004	6.5100e-003	2.0000e-005	2.1900e-003	1.0000e-005	2.2000e-003	5.8000e-004	1.0000e-005	5.9000e-004	0.0000	1.7127	1.7127	4.0000e-005	5.0000e-005	1.7277
Total	4.2700e-003	0.1785	0.0581	8.8000e-004	0.0285	1.7800e-003	0.0303	7.8200e-003	1.7000e-003	9.5200e-003	0.0000	86.7356	86.7356	3.6600e-003	0.0135	90.8571

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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 - 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					
Fugitive Dust					0.0420	0.0000	0.0420	0.0165	0.0000	0.0165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0181	0.5124	0.3672	6.2000e-004		0.0133	0.0133		0.0133	0.0133	0.0000	54.5351	54.5351	0.0176	0.0000	54.9761
Total	0.0181	0.5124	0.3672	6.2000e-004	0.0420	0.0133	0.0554	0.0165	0.0133	0.0299	0.0000	54.5351	54.5351	0.0176	0.0000	54.9761

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	3.5700e-003	0.1780	0.0516	8.6000e-004	0.0264	1.7700e-003	0.0281	7.2400e-003	1.6900e-003	8.9300e-003	0.0000	85.0228	85.0228	3.6200e-003	0.0135	89.1294
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-004	5.2000e-004	6.5100e-003	2.0000e-005	2.1900e-003	1.0000e-005	2.2000e-003	5.8000e-004	1.0000e-005	5.9000e-004	0.0000	1.7127	1.7127	4.0000e-005	5.0000e-005	1.7277
Total	4.2700e-003	0.1785	0.0581	8.8000e-004	0.0285	1.7800e-003	0.0303	7.8200e-003	1.7000e-003	9.5200e-003	0.0000	86.7356	86.7356	3.6600e-003	0.0135	90.8571

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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	0.0401	0.3668	0.4142	6.9000e-004		0.0178	0.0178		0.0168	0.0168	0.0000	59.1102	59.1102	0.0141	0.0000	59.4618
Total	0.0401	0.3668	0.4142	6.9000e-004		0.0178	0.0178		0.0168	0.0168	0.0000	59.1102	59.1102	0.0141	0.0000	59.4618

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.8400e-003	0.0602	0.0244	2.9000e-004	0.0103	4.3000e-004	0.0107	2.9700e-003	4.1000e-004	3.3800e-003	0.0000	28.4430	28.4430	7.4000e-004	4.2000e-003	29.7141
Worker	0.0145	0.0108	0.1352	3.8000e-004	0.0456	2.3000e-004	0.0458	0.0121	2.1000e-004	0.0123	0.0000	35.5946	35.5946	9.3000e-004	9.7000e-004	35.9057
Total	0.0163	0.0710	0.1596	6.7000e-004	0.0559	6.6000e-004	0.0565	0.0151	6.2000e-004	0.0157	0.0000	64.0375	64.0375	1.6700e-003	5.1700e-003	65.6198

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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	0.0276	0.6006	0.4558	6.9000e-004		0.0230	0.0230		0.0230	0.0230	0.0000	59.1101	59.1101	0.0141	0.0000	59.4617
Total	0.0276	0.6006	0.4558	6.9000e-004		0.0230	0.0230		0.0230	0.0230	0.0000	59.1101	59.1101	0.0141	0.0000	59.4617

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.8400e-003	0.0602	0.0244	2.9000e-004	0.0103	4.3000e-004	0.0107	2.9700e-003	4.1000e-004	3.3800e-003	0.0000	28.4430	28.4430	7.4000e-004	4.2000e-003	29.7141
Worker	0.0145	0.0108	0.1352	3.8000e-004	0.0456	2.3000e-004	0.0458	0.0121	2.1000e-004	0.0123	0.0000	35.5946	35.5946	9.3000e-004	9.7000e-004	35.9057
Total	0.0163	0.0710	0.1596	6.7000e-004	0.0559	6.6000e-004	0.0565	0.0151	6.2000e-004	0.0157	0.0000	64.0375	64.0375	1.6700e-003	5.1700e-003	65.6198

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0662	0.6050	0.7275	1.2100e-003		0.0276	0.0276		0.0260	0.0260	0.0000	104.3321	104.3321	0.0247	0.0000	104.9489
Total	0.0662	0.6050	0.7275	1.2100e-003		0.0276	0.0276		0.0260	0.0260	0.0000	104.3321	104.3321	0.0247	0.0000	104.9489

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1700e-003	0.1072	0.0423	5.1000e-004	0.0182	7.5000e-004	0.0189	5.2400e-003	7.2000e-004	5.9600e-003	0.0000	49.5025	49.5025	1.2700e-003	7.3100e-003	51.7137
Worker	0.0238	0.0169	0.2225	6.6000e-004	0.0804	3.9000e-004	0.0808	0.0214	3.6000e-004	0.0217	0.0000	61.4765	61.4765	1.4900e-003	1.5800e-003	61.9844
Total	0.0269	0.1241	0.2648	1.1700e-003	0.0986	1.1400e-003	0.0997	0.0266	1.0800e-003	0.0277	0.0000	110.9790	110.9790	2.7600e-003	8.8900e-003	113.6982

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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 - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0486	1.0600	0.8043	1.2100e-003		0.0407	0.0407		0.0407	0.0407	0.0000	104.3320	104.3320	0.0247	0.0000	104.9488
Total	0.0486	1.0600	0.8043	1.2100e-003		0.0407	0.0407		0.0407	0.0407	0.0000	104.3320	104.3320	0.0247	0.0000	104.9488

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1700e-003	0.1072	0.0423	5.1000e-004	0.0182	7.5000e-004	0.0189	5.2400e-003	7.2000e-004	5.9600e-003	0.0000	49.5025	49.5025	1.2700e-003	7.3100e-003	51.7137
Worker	0.0238	0.0169	0.2225	6.6000e-004	0.0804	3.9000e-004	0.0808	0.0214	3.6000e-004	0.0217	0.0000	61.4765	61.4765	1.4900e-003	1.5800e-003	61.9844
Total	0.0269	0.1241	0.2648	1.1700e-003	0.0986	1.1400e-003	0.0997	0.0266	1.0800e-003	0.0277	0.0000	110.9790	110.9790	2.7600e-003	8.8900e-003	113.6982

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9298					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.3300e-003	0.0427	0.0634	1.0000e-004		2.1300e-003	2.1300e-003		2.1300e-003	2.1300e-003	0.0000	8.9364	8.9364	5.0000e-004	0.0000	8.9490
Total	0.9361	0.0427	0.0634	1.0000e-004		2.1300e-003	2.1300e-003		2.1300e-003	2.1300e-003	0.0000	8.9364	8.9364	5.0000e-004	0.0000	8.9490

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	3.7400e-003	2.6600e-003	0.0350	1.0000e-004	0.0127	6.0000e-005	0.0127	3.3600e-003	6.0000e-005	3.4200e-003	0.0000	9.6804	9.6804	2.4000e-004	2.5000e-004	9.7603
Total	3.7400e-003	2.6600e-003	0.0350	1.0000e-004	0.0127	6.0000e-005	0.0127	3.3600e-003	6.0000e-005	3.4200e-003	0.0000	9.6804	9.6804	2.4000e-004	2.5000e-004	9.7603

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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 - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9298					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9900e-003	0.0823	0.0641	1.0000e-004		3.3300e-003	3.3300e-003		3.3300e-003	3.3300e-003	0.0000	8.9364	8.9364	5.0000e-004	0.0000	8.9490
Total	0.9338	0.0823	0.0641	1.0000e-004		3.3300e-003	3.3300e-003		3.3300e-003	3.3300e-003	0.0000	8.9364	8.9364	5.0000e-004	0.0000	8.9490

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	3.7400e-003	2.6600e-003	0.0350	1.0000e-004	0.0127	6.0000e-005	0.0127	3.3600e-003	6.0000e-005	3.4200e-003	0.0000	9.6804	9.6804	2.4000e-004	2.5000e-004	9.7603
Total	3.7400e-003	2.6600e-003	0.0350	1.0000e-004	0.0127	6.0000e-005	0.0127	3.3600e-003	6.0000e-005	3.4200e-003	0.0000	9.6804	9.6804	2.4000e-004	2.5000e-004	9.7603

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.4100e-003	0.0714	0.1097	1.7000e-004		3.5100e-003	3.5100e-003		3.2300e-003	3.2300e-003	0.0000	15.0199	15.0199	4.8600e-003	0.0000	15.1413
Paving	3.2400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0107	0.0714	0.1097	1.7000e-004		3.5100e-003	3.5100e-003		3.2300e-003	3.2300e-003	0.0000	15.0199	15.0199	4.8600e-003	0.0000	15.1413

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	3.6000e-004	2.6000e-004	3.4100e-003	1.0000e-005	1.2300e-003	1.0000e-005	1.2400e-003	3.3000e-004	1.0000e-005	3.3000e-004	0.0000	0.9429	0.9429	2.0000e-005	2.0000e-005	0.9507
Total	3.6000e-004	2.6000e-004	3.4100e-003	1.0000e-005	1.2300e-003	1.0000e-005	1.2400e-003	3.3000e-004	1.0000e-005	3.3000e-004	0.0000	0.9429	0.9429	2.0000e-005	2.0000e-005	0.9507

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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 - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.9800e-003	0.1509	0.1297	1.7000e-004		5.0000e-003	5.0000e-003		5.0000e-003	5.0000e-003	0.0000	15.0199	15.0199	4.8600e-003	0.0000	15.1413
Paving	3.2400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0102	0.1509	0.1297	1.7000e-004		5.0000e-003	5.0000e-003		5.0000e-003	5.0000e-003	0.0000	15.0199	15.0199	4.8600e-003	0.0000	15.1413

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	3.6000e-004	2.6000e-004	3.4100e-003	1.0000e-005	1.2300e-003	1.0000e-005	1.2400e-003	3.3000e-004	1.0000e-005	3.3000e-004	0.0000	0.9429	0.9429	2.0000e-005	2.0000e-005	0.9507
Total	3.6000e-004	2.6000e-004	3.4100e-003	1.0000e-005	1.2300e-003	1.0000e-005	1.2400e-003	3.3000e-004	1.0000e-005	3.3000e-004	0.0000	0.9429	0.9429	2.0000e-005	2.0000e-005	0.9507

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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	0.0999	6.2279	1.4552	0.0313	1.0062	0.0662	1.0724	0.2763	0.0634	0.3397	0.0000	3,099.4810	3,099.4810	0.1319	0.4913	3,249.1953
Unmitigated	0.0999	6.2279	1.4552	0.0313	1.0062	0.0662	1.0724	0.2763	0.0634	0.3397	0.0000	3,099.4810	3,099.4810	0.1319	0.4913	3,249.1953

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	23.10	23.10	23.10	313,602	313,602
Unrefrigerated Warehouse-No Rail	149.23	149.23	149.23	2,026,348	2,026,348
Total	172.33	172.33	172.33	2,339,950	2,339,950

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
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	40.00	40.00	40.00	59.00	0.00	41.00	92	5	3

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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
Unrefrigerated Warehouse-No	40.00	40.00	40.00	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.540566	0.056059	0.172680	0.136494	0.026304	0.007104	0.011680	0.017449	0.000554	0.000251	0.025076	0.000954	0.004830
Parking Lot	0.540566	0.056059	0.172680	0.136494	0.026304	0.007104	0.011680	0.017449	0.000554	0.000251	0.025076	0.000954	0.004830
Refrigerated Warehouse-No Rail	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	1.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Unrefrigerated Warehouse-No Rail	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	1.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	219.1966	219.1966	0.0185	2.2400e-003	220.3274
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	219.1966	219.1966	0.0185	2.2400e-003	220.3274
Natural Gas Mitigated	7.4300e-003	0.0676	0.0568	4.1000e-004		5.1300e-003	5.1300e-003		5.1300e-003	5.1300e-003	0.0000	73.5482	73.5482	1.4100e-003	1.3500e-003	73.9852
Natural Gas Unmitigated	7.4300e-003	0.0676	0.0568	4.1000e-004		5.1300e-003	5.1300e-003		5.1300e-003	5.1300e-003	0.0000	73.5482	73.5482	1.4100e-003	1.3500e-003	73.9852

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	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
Refrigerated Warehouse-No Rail	1.02115e+006	5.5100e-003	0.0501	0.0421	3.0000e-004		3.8000e-003	3.8000e-003		3.8000e-003	3.8000e-003	0.0000	54.4925	54.4925	1.0400e-003	1.0000e-003	54.8163
Unrefrigerated Warehouse-No Rail	357091	1.9300e-003	0.0175	0.0147	1.1000e-004		1.3300e-003	1.3300e-003		1.3300e-003	1.3300e-003	0.0000	19.0557	19.0557	3.7000e-004	3.5000e-004	19.1690
Total		7.4400e-003	0.0676	0.0568	4.1000e-004		5.1300e-003	5.1300e-003		5.1300e-003	5.1300e-003	0.0000	73.5482	73.5482	1.4100e-003	1.3500e-003	73.9852

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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					
City Park	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
Refrigerated Warehouse-No Rail	1.02115e+006	5.5100e-003	0.0501	0.0421	3.0000e-004		3.8000e-003	3.8000e-003		3.8000e-003	3.8000e-003	0.0000	54.4925	54.4925	1.0400e-003	1.0000e-003	54.8163
Unrefrigerated Warehouse-No Rail	357091	1.9300e-003	0.0175	0.0147	1.1000e-004		1.3300e-003	1.3300e-003		1.3300e-003	1.3300e-003	0.0000	19.0557	19.0557	3.7000e-004	3.5000e-004	19.1690
Total		7.4400e-003	0.0676	0.0568	4.1000e-004		5.1300e-003	5.1300e-003		5.1300e-003	5.1300e-003	0.0000	73.5482	73.5482	1.4100e-003	1.3500e-003	73.9852

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	37380	6.6292	5.6000e-004	7.0000e-005	6.6634
Refrigerated Warehouse-No Rail	786442	139.4719	0.0118	1.4300e-003	140.1914
Unrefrigerated Warehouse-No Rail	412164	73.0955	6.1700e-003	7.5000e-004	73.4726
Total		219.1966	0.0185	2.2500e-003	220.3274

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	37380	6.6292	5.6000e-004	7.0000e-005	6.6634
Refrigerated Warehouse-No Rail	786442	139.4719	0.0118	1.4300e-003	140.1914
Unrefrigerated Warehouse-No Rail	412164	73.0955	6.1700e-003	7.5000e-004	73.4726
Total		219.1966	0.0185	2.2500e-003	220.3274

6.0 Area Detail

6.1 Mitigation Measures Area

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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	0.8145	5.0000e-005	5.9400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0116	0.0116	3.0000e-005	0.0000	0.0123
Unmitigated	0.8145	5.0000e-005	5.9400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0116	0.0116	3.0000e-005	0.0000	0.0123

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	0.0930					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7210					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.5000e-004	5.0000e-005	5.9400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0116	0.0116	3.0000e-005	0.0000	0.0123
Total	0.8145	5.0000e-005	5.9400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0116	0.0116	3.0000e-005	0.0000	0.0123

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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	0.0930					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7210					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.5000e-004	5.0000e-005	5.9400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0116	0.0116	3.0000e-005	0.0000	0.0123
Total	0.8145	5.0000e-005	5.9400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0116	0.0116	3.0000e-005	0.0000	0.0123

7.0 Water Detail

7.1 Mitigation Measures Water

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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	124.2616	1.4967	0.0363	172.4810
Unmitigated	124.2616	1.4967	0.0363	172.4810

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 2.21616	4.3665	3.7000e-004	4.0000e-005	4.3890
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	4.56487 / 0	11.9895	0.1496	3.6200e-003	16.8092
Unrefrigerated Warehouse-No Rail	41.0839 / 0	107.9056	1.3467	0.0326	151.2828
Total		124.2616	1.4967	0.0362	172.4810

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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			
City Park	0 / 2.21616	4.3665	3.7000e-004	4.0000e-005	4.3890
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	4.56487 / 0	11.9895	0.1496	3.6200e-003	16.8092
Unrefrigerated Warehouse-No Rail	41.0839 / 0	107.9056	1.3467	0.0326	151.2828
Total		124.2616	1.4967	0.0362	172.4810

8.0 Waste Detail

8.1 Mitigation Measures Waste

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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	37.6995	2.2280	0.0000	93.3989
Unmitigated	37.6995	2.2280	0.0000	93.3989

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.16	0.0325	1.9200e-003	0.0000	0.0805
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	18.56	3.7675	0.2227	0.0000	9.3339
Unrefrigerated Warehouse-No Rail	167	33.8995	2.0034	0.0000	83.9846
Total		37.6995	2.2280	0.0000	93.3989

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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			
City Park	0.16	0.0325	1.9200e-003	0.0000	0.0805
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	18.56	3.7675	0.2227	0.0000	9.3339
Unrefrigerated Warehouse-No Rail	167	33.8995	2.0034	0.0000	83.9846
Total		37.6995	2.2280	0.0000	93.3989

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

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Annual

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

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

11.0 Vegetation

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Summer

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

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks

San Bernardino-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	19.74	1000sqft	2.15	19,740.00	0
Unrefrigerated Warehouse-No Rail	177.66	1000sqft	4.50	177,657.00	0
Parking Lot	267.00	Space	2.47	106,800.00	0
City Park	1.86	Acre	1.86	84,845.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2024
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 project site is 10.98 acres, project consist of a 197,397 sq ft warehouse with 10% cold storage

Construction Phase - Construction would start in June 2023 and end in May 2024. Overlap of building construction and architectural coating phases.

Off-road Equipment - Default equipment

Demolition - Demolition of existing buildings

Grading - Project would require the import of 24,477 CY of soil

Vehicle Trips - Based on a trip generation of 25 ADT for Refrigerated Warehouse and 149 ADT for Unrefrigerated Warehouse (4-axle truck trips only) and assuming a 40-mile trip length.

Construction Off-road Equipment Mitigation - Project will comply with SCAQMD rule 403, use of Tier 2 equipment

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Summer

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

tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstructionPhase	NumDays	20.00	64.00
tblConstructionPhase	NumDays	10.00	15.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	300.00	141.00
tblConstructionPhase	NumDays	20.00	70.00
tblConstructionPhase	NumDays	20.00	15.00
tblFleetMix	HHD	0.02	1.00
tblFleetMix	HHD	0.02	1.00
tblFleetMix	LDA	0.54	0.00
tblFleetMix	LDA	0.54	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.1040e-003	0.00
tblFleetMix	LHD2	7.1040e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	4.8300e-003	0.00
tblFleetMix	MH	4.8300e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	5.5400e-004	0.00

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Summer

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

tblFleetMix	OBUS	5.5400e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	UBUS	2.5100e-004	0.00
tblFleetMix	UBUS	2.5100e-004	0.00
tblGrading	MaterialImported	0.00	24,477.00
tblLandUse	LandUseSquareFeet	177,660.00	177,657.00
tblLandUse	LandUseSquareFeet	81,021.60	84,845.00
tblLandUse	LotAcreage	0.45	2.15
tblLandUse	LotAcreage	4.08	4.50
tblLandUse	LotAcreage	2.40	2.47
tblVehicleTrips	CC_TL	8.40	40.00
tblVehicleTrips	CC_TL	8.40	40.00
tblVehicleTrips	CNW_TL	6.90	40.00
tblVehicleTrips	CNW_TL	6.90	40.00
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	2.12	1.17
tblVehicleTrips	ST_TR	1.74	0.84
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	2.12	1.17
tblVehicleTrips	SU_TR	1.74	0.84
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	2.12	1.17
tblVehicleTrips	WD_TR	1.74	0.84

2.0 Emissions Summary

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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					
2023	3.7686	51.3902	33.9309	0.1500	19.8582	1.6026	21.1252	10.1558	1.4809	11.3215	0.0000	15,582.0408	15,582.0408	2.3487	1.4894	16,084.6015
2024	29.0029	17.3379	25.7864	0.0602	2.6009	0.7012	3.3021	0.6991	0.6633	1.3624	0.0000	6,008.0124	6,008.0124	0.7404	0.2225	6,091.6857
Maximum	29.0029	51.3902	33.9309	0.1500	19.8582	1.6026	21.1252	10.1558	1.4809	11.3215	0.0000	15,582.0408	15,582.0408	2.3487	1.4894	16,084.6015

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	2.2574	68.1133	42.6023	0.1500	9.0469	1.5114	9.9940	4.5995	1.5037	5.5465	0.0000	15,582.0408	15,582.0408	2.3487	1.4894	16,084.6015
2024	28.5453	28.5822	27.5156	0.0602	2.6009	1.0257	3.6265	0.6991	1.0241	1.7232	0.0000	6,008.0124	6,008.0124	0.7404	0.2225	6,091.6857
Maximum	28.5453	68.1133	42.6023	0.1500	9.0469	1.5114	9.9940	4.5995	1.5037	5.5465	0.0000	15,582.0408	15,582.0408	2.3487	1.4894	16,084.6015

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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	6.01	-40.69	-17.42	0.00	48.14	-10.12	44.24	51.19	-17.89	42.69	0.00	0.00	0.00	0.00	0.00	0.00

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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	4.4645	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087
Energy	0.0407	0.3702	0.3110	2.2200e-003		0.0281	0.0281		0.0281	0.0281		444.2355	444.2355	8.5100e-003	8.1400e-003	446.8754
Mobile	0.5617	32.3393	7.9648	0.1723	5.6217	0.3643	5.9860	1.5409	0.3485	1.8894		18,788.2339	18,788.2339	0.8004	2.9783	19,695.7762
Total	5.0669	32.7100	8.3233	0.1745	5.6217	0.3926	6.0143	1.5409	0.3768	1.9177		19,232.5715	19,232.5715	0.8092	2.9864	20,142.7603

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	4.4645	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087
Energy	0.0407	0.3702	0.3110	2.2200e-003		0.0281	0.0281		0.0281	0.0281		444.2355	444.2355	8.5100e-003	8.1400e-003	446.8754
Mobile	0.5617	32.3393	7.9648	0.1723	5.6217	0.3643	5.9860	1.5409	0.3485	1.8894		18,788.2339	18,788.2339	0.8004	2.9783	19,695.7762
Total	5.0669	32.7100	8.3233	0.1745	5.6217	0.3926	6.0143	1.5409	0.3768	1.9177		19,232.5715	19,232.5715	0.8092	2.9864	20,142.7603

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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	6/5/2023	8/31/2023	5	64	
2	Site Preparation	Site Preparation	9/1/2023	9/21/2023	5	15	
3	Grading	Grading	9/22/2023	10/19/2023	5	20	
4	Building Construction	Building Construction	10/20/2023	5/3/2024	5	141	
5	Architectural Coating	Architectural Coating	2/26/2024	5/31/2024	5	70	
6	Paving	Paving	5/6/2024	5/24/2024	5	15	

Acres of Grading (Site Preparation Phase): 22.5

Acres of Grading (Grading Phase): 60

Acres of Paving: 2.47

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 296,096; Non-Residential Outdoor: 98,699; Striped Parking Area: 6,408 (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	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Summer

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

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	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
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

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	880.00	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	3,060.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	163.00	64.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	33.00	0.00	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

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Summer

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

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.9757	0.0000	2.9757	0.4505	0.0000	0.4505			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183
Total	2.2691	21.4844	19.6434	0.0388	2.9757	0.9975	3.9732	0.4505	0.9280	1.3785		3,746.9840	3,746.9840	1.0494		3,773.2183

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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 - 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	0.0331	1.5123	0.4606	7.7200e-003	0.2408	0.0159	0.2567	0.0660	0.0152	0.0812		841.7363	841.7363	0.0359	0.1334	882.3933
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	0.0587	0.0354	0.5657	1.5000e-003	0.1677	8.3000e-004	0.1685	0.0445	7.6000e-004	0.0452		153.2503	153.2503	3.6600e-003	3.6000e-003	154.4157
Total	0.0918	1.5477	1.0263	9.2200e-003	0.4085	0.0167	0.4252	0.1105	0.0160	0.1265		994.9866	994.9866	0.0396	0.1370	1,036.8089

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.3391	0.0000	1.3391	0.2027	0.0000	0.2027			0.0000			0.0000
Off-Road	1.2617	32.6638	24.6739	0.0388		0.9135	0.9135		0.9135	0.9135	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183
Total	1.2617	32.6638	24.6739	0.0388	1.3391	0.9135	2.2526	0.2027	0.9135	1.1163	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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 - 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	0.0331	1.5123	0.4606	7.7200e-003	0.2408	0.0159	0.2567	0.0660	0.0152	0.0812		841.7363	841.7363	0.0359	0.1334	882.3933
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	0.0587	0.0354	0.5657	1.5000e-003	0.1677	8.3000e-004	0.1685	0.0445	7.6000e-004	0.0452		153.2503	153.2503	3.6600e-003	3.6000e-003	154.4157
Total	0.0918	1.5477	1.0263	9.2200e-003	0.4085	0.0167	0.4252	0.1105	0.0160	0.1265		994.9866	994.9866	0.0396	0.1370	1,036.8089

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.3081	3,687.3081	1.1926		3,717.1219
Total	2.6595	27.5242	18.2443	0.0381	19.6570	1.2660	20.9230	10.1025	1.1647	11.2672		3,687.3081	3,687.3081	1.1926		3,717.1219

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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 - 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	0.0704	0.0425	0.6788	1.8000e-003	0.2012	9.9000e-004	0.2022	0.0534	9.1000e-004	0.0543		183.9003	183.9003	4.3900e-003	4.3200e-003	185.2988
Total	0.0704	0.0425	0.6788	1.8000e-003	0.2012	9.9000e-004	0.2022	0.0534	9.1000e-004	0.0543		183.9003	183.9003	4.3900e-003	4.3200e-003	185.2988

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.8457	0.0000	8.8457	4.5461	0.0000	4.5461			0.0000			0.0000
Off-Road	1.2097	33.7214	22.9600	0.0381		0.9462	0.9462		0.9462	0.9462	0.0000	3,687.3081	3,687.3081	1.1926		3,717.1219
Total	1.2097	33.7214	22.9600	0.0381	8.8457	0.9462	9.7918	4.5461	0.9462	5.4923	0.0000	3,687.3081	3,687.3081	1.1926		3,717.1219

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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 - 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	0.0704	0.0425	0.6788	1.8000e-003	0.2012	9.9000e-004	0.2022	0.0534	9.1000e-004	0.0543		183.9003	183.9003	4.3900e-003	4.3200e-003	185.2988
Total	0.0704	0.0425	0.6788	1.8000e-003	0.2012	9.9000e-004	0.2022	0.0534	9.1000e-004	0.0543		183.9003	183.9003	4.3900e-003	4.3200e-003	185.2988

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.3420	0.0000	9.3420	3.6747	0.0000	3.6747			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105		6,011.4777	6,011.4777	1.9442		6,060.0836
Total	3.3217	34.5156	28.0512	0.0621	9.3420	1.4245	10.7665	3.6747	1.3105	4.9852		6,011.4777	6,011.4777	1.9442		6,060.0836

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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 - 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	0.3686	16.8274	5.1255	0.0859	2.6793	0.1770	2.8563	0.7347	0.1693	0.9040		9,366.2293	9,366.2293	0.3996	1.4846	9,818.6303
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	0.0782	0.0472	0.7542	2.0000e-003	0.2236	1.1000e-003	0.2247	0.0593	1.0200e-003	0.0603		204.3337	204.3337	4.8800e-003	4.8000e-003	205.8876
Total	0.4468	16.8746	5.8797	0.0879	2.9029	0.1781	3.0810	0.7940	0.1703	0.9643		9,570.5631	9,570.5631	0.4045	1.4894	10,024.5179

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					4.2039	0.0000	4.2039	1.6536	0.0000	1.6536			0.0000			0.0000
Off-Road	1.8106	51.2386	36.7226	0.0621		1.3333	1.3333		1.3333	1.3333	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836
Total	1.8106	51.2386	36.7226	0.0621	4.2039	1.3333	5.5372	1.6536	1.3333	2.9869	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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 - 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	0.3686	16.8274	5.1255	0.0859	2.6793	0.1770	2.8563	0.7347	0.1693	0.9040		9,366.2293	9,366.2293	0.3996	1.4846	9,818.6303
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	0.0782	0.0472	0.7542	2.0000e-003	0.2236	1.1000e-003	0.2247	0.0593	1.0200e-003	0.0603		204.3337	204.3337	4.8800e-003	4.8000e-003	205.8876
Total	0.4468	16.8746	5.8797	0.0879	2.9029	0.1781	3.0810	0.7940	0.1703	0.9643		9,570.5631	9,570.5631	0.4045	1.4894	10,024.5179

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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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	0.0749	2.2448	0.9420	0.0115	0.4100	0.0169	0.4269	0.1181	0.0161	0.1342		1,228.2764	1,228.2764	0.0321	0.1814	1,283.1310
Worker	0.6374	0.3846	6.1469	0.0163	1.8220	9.0000e-003	1.8310	0.4832	8.2900e-003	0.4915		1,665.3197	1,665.3197	0.0398	0.0392	1,677.9838
Total	0.7123	2.6294	7.0889	0.0277	2.2320	0.0259	2.2579	0.6013	0.0244	0.6257		2,893.5961	2,893.5961	0.0719	0.2205	2,961.1148

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	1.0809	23.5544	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.0809	23.5544	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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	0.0749	2.2448	0.9420	0.0115	0.4100	0.0169	0.4269	0.1181	0.0161	0.1342		1,228.2764	1,228.2764	0.0321	0.1814	1,283.1310
Worker	0.6374	0.3846	6.1469	0.0163	1.8220	9.0000e-003	1.8310	0.4832	8.2900e-003	0.4915		1,665.3197	1,665.3197	0.0398	0.0392	1,677.9838
Total	0.7123	2.6294	7.0889	0.0277	2.2320	0.0259	2.2579	0.6013	0.0244	0.6257		2,893.5961	2,893.5961	0.0719	0.2205	2,961.1148

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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 - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0732	2.2648	0.9263	0.0113	0.4100	0.0166	0.4266	0.1181	0.0159	0.1340		1,211.3560	1,211.3560	0.0311	0.1789	1,265.4347
Worker	0.5921	0.3414	5.7242	0.0158	1.8220	8.6500e-003	1.8306	0.4832	7.9600e-003	0.4912		1,629.5921	1,629.5921	0.0360	0.0363	1,641.3095
Total	0.6653	2.6062	6.6505	0.0271	2.2320	0.0253	2.2573	0.6013	0.0239	0.6251		2,840.9480	2,840.9480	0.0671	0.2152	2,906.7441

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	1.0809	23.5544	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.0809	23.5544	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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 - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0732	2.2648	0.9263	0.0113	0.4100	0.0166	0.4266	0.1181	0.0159	0.1340		1,211.3560	1,211.3560	0.0311	0.1789	1,265.4347
Worker	0.5921	0.3414	5.7242	0.0158	1.8220	8.6500e-003	1.8306	0.4832	7.9600e-003	0.4912		1,629.5921	1,629.5921	0.0360	0.0363	1,641.3095
Total	0.6653	2.6062	6.6505	0.0271	2.2320	0.0253	2.2573	0.6013	0.0239	0.6251		2,840.9480	2,840.9480	0.0671	0.2152	2,906.7441

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	26.5654					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	26.7461	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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 - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1199	0.0691	1.1589	3.2000e-003	0.3689	1.7500e-003	0.3706	0.0978	1.6100e-003	0.0994		329.9174	329.9174	7.2900e-003	7.3500e-003	332.2896
Total	0.1199	0.0691	1.1589	3.2000e-003	0.3689	1.7500e-003	0.3706	0.0978	1.6100e-003	0.0994		329.9174	329.9174	7.2900e-003	7.3500e-003	332.2896

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	26.5654					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1139	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0159		281.8443
Total	26.6793	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0159		281.8443

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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 - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1199	0.0691	1.1589	3.2000e-003	0.3689	1.7500e-003	0.3706	0.0978	1.6100e-003	0.0994		329.9174	329.9174	7.2900e-003	7.3500e-003	332.2896
Total	0.1199	0.0691	1.1589	3.2000e-003	0.3689	1.7500e-003	0.3706	0.0978	1.6100e-003	0.0994		329.9174	329.9174	7.2900e-003	7.3500e-003	332.2896

3.7 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.4314					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4196	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.5472	2,207.5472	0.7140		2,225.3963

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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 - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0545	0.0314	0.5268	1.4500e-003	0.1677	8.0000e-004	0.1685	0.0445	7.3000e-004	0.0452		149.9625	149.9625	3.3100e-003	3.3400e-003	151.0408
Total	0.0545	0.0314	0.5268	1.4500e-003	0.1677	8.0000e-004	0.1685	0.0445	7.3000e-004	0.0452		149.9625	149.9625	3.3100e-003	3.3400e-003	151.0408

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9311	20.1146	17.2957	0.0228		0.6670	0.6670		0.6670	0.6670	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.4314					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3625	20.1146	17.2957	0.0228		0.6670	0.6670		0.6670	0.6670	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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 - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0545	0.0314	0.5268	1.4500e-003	0.1677	8.0000e-004	0.1685	0.0445	7.3000e-004	0.0452		149.9625	149.9625	3.3100e-003	3.3400e-003	151.0408
Total	0.0545	0.0314	0.5268	1.4500e-003	0.1677	8.0000e-004	0.1685	0.0445	7.3000e-004	0.0452		149.9625	149.9625	3.3100e-003	3.3400e-003	151.0408

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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	0.5617	32.3393	7.9648	0.1723	5.6217	0.3643	5.9860	1.5409	0.3485	1.8894		18,788.2339	18,788.2339	0.8004	2.9783	19,695.7762
Unmitigated	0.5617	32.3393	7.9648	0.1723	5.6217	0.3643	5.9860	1.5409	0.3485	1.8894		18,788.2339	18,788.2339	0.8004	2.9783	19,695.7762

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	23.10	23.10	23.10	313,602	313,602
Unrefrigerated Warehouse-No Rail	149.23	149.23	149.23	2,026,348	2,026,348
Total	172.33	172.33	172.33	2,339,950	2,339,950

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
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	40.00	40.00	40.00	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	40.00	40.00	40.00	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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
City Park	0.540566	0.056059	0.172680	0.136494	0.026304	0.007104	0.011680	0.017449	0.000554	0.000251	0.025076	0.000954	0.004830
Parking Lot	0.540566	0.056059	0.172680	0.136494	0.026304	0.007104	0.011680	0.017449	0.000554	0.000251	0.025076	0.000954	0.004830
Refrigerated Warehouse-No Rail	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	1.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Unrefrigerated Warehouse-No Rail	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	1.000000	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	0.0407	0.3702	0.3110	2.2200e-003		0.0281	0.0281		0.0281	0.0281		444.2355	444.2355	8.5100e-003	8.1400e-003	446.8754
NaturalGas Unmitigated	0.0407	0.3702	0.3110	2.2200e-003		0.0281	0.0281		0.0281	0.0281		444.2355	444.2355	8.5100e-003	8.1400e-003	446.8754

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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					
City Park	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
Refrigerated Warehouse-No Rail	2797.67	0.0302	0.2743	0.2304	1.6500e-003		0.0209	0.0209		0.0209	0.0209		329.1379	329.1379	6.3100e-003	6.0300e-003	331.0938
Unrefrigerated Warehouse-No Rail	978.33	0.0106	0.0959	0.0806	5.8000e-004		7.2900e-003	7.2900e-003		7.2900e-003	7.2900e-003		115.0977	115.0977	2.2100e-003	2.1100e-003	115.7817
Total		0.0407	0.3702	0.3110	2.2300e-003		0.0281	0.0281		0.0281	0.0281		444.2356	444.2356	8.5200e-003	8.1400e-003	446.8754

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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					
City Park	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
Refrigerated Warehouse-No Rail	2.79767	0.0302	0.2743	0.2304	1.6500e-003		0.0209	0.0209		0.0209	0.0209		329.1379	329.1379	6.3100e-003	6.0300e-003	331.0938
Unrefrigerated Warehouse-No Rail	0.97833	0.0106	0.0959	0.0806	5.8000e-004		7.2900e-003	7.2900e-003		7.2900e-003	7.2900e-003		115.0977	115.0977	2.2100e-003	2.1100e-003	115.7817
Total		0.0407	0.3702	0.3110	2.2300e-003		0.0281	0.0281		0.0281	0.0281		444.2356	444.2356	8.5200e-003	8.1400e-003	446.8754

6.0 Area Detail

6.1 Mitigation Measures Area

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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	4.4645	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087
Unmitigated	4.4645	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087

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	0.5095					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9507					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.3900e-003	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087
Total	4.4645	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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	0.5095					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9507					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.3900e-003	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087
Total	4.4645	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087

7.0 Water Detail

7.1 Mitigation Measures Water

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Winter

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

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks

San Bernardino-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	19.74	1000sqft	2.15	19,740.00	0
Unrefrigerated Warehouse-No Rail	177.66	1000sqft	4.50	177,657.00	0
Parking Lot	267.00	Space	2.47	106,800.00	0
City Park	1.86	Acre	1.86	84,845.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2024
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 project site is 10.98 acres, project consist of a 197,397 sq ft warehouse with 10% cold storage

Construction Phase - Construction would start in June 2023 and end in May 2024. Overlap of building construction and architectural coating phases.

Off-road Equipment - Default equipment

Demolition - Demolition of existing buildings

Grading - Project would require the import of 24,477 CY of soil

Vehicle Trips - Based on a trip generation of 25 ADT for Refrigerated Warehouse and 149 ADT for Unrefrigerated Warehouse (4-axle truck trips only) and assuming a 40-mile trip length.

Construction Off-road Equipment Mitigation - Project will comply with SCAQMD rule 403, use of Tier 2 equipment

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Winter

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

tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstructionPhase	NumDays	20.00	64.00
tblConstructionPhase	NumDays	10.00	15.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	300.00	141.00
tblConstructionPhase	NumDays	20.00	70.00
tblConstructionPhase	NumDays	20.00	15.00
tblFleetMix	HHD	0.02	1.00
tblFleetMix	HHD	0.02	1.00
tblFleetMix	LDA	0.54	0.00
tblFleetMix	LDA	0.54	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.1040e-003	0.00
tblFleetMix	LHD2	7.1040e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	4.8300e-003	0.00
tblFleetMix	MH	4.8300e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	5.5400e-004	0.00

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Winter

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

tblFleetMix	OBUS	5.5400e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	UBUS	2.5100e-004	0.00
tblFleetMix	UBUS	2.5100e-004	0.00
tblGrading	MaterialImported	0.00	24,477.00
tblLandUse	LandUseSquareFeet	177,660.00	177,657.00
tblLandUse	LandUseSquareFeet	81,021.60	84,845.00
tblLandUse	LotAcreage	0.45	2.15
tblLandUse	LotAcreage	4.08	4.50
tblLandUse	LotAcreage	2.40	2.47
tblVehicleTrips	CC_TL	8.40	40.00
tblVehicleTrips	CC_TL	8.40	40.00
tblVehicleTrips	CNW_TL	6.90	40.00
tblVehicleTrips	CNW_TL	6.90	40.00
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	2.12	1.17
tblVehicleTrips	ST_TR	1.74	0.84
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	2.12	1.17
tblVehicleTrips	SU_TR	1.74	0.84
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	2.12	1.17
tblVehicleTrips	WD_TR	1.74	0.84

2.0 Emissions Summary

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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					
2023	3.7379	52.3042	33.8899	0.1500	19.8582	1.6029	21.1252	10.1558	1.4812	11.3215	0.0000	15,576.96 13	15,576.96 13	2.3474	1.4918	16,080.19 96
2024	28.9732	17.4860	24.6036	0.0585	2.6009	0.7013	3.3022	0.6991	0.6633	1.3624	0.0000	5,827.116 3	5,827.116 3	0.7405	0.2245	5,911.364 4
Maximum	28.9732	52.3042	33.8899	0.1500	19.8582	1.6029	21.1252	10.1558	1.4812	11.3215	0.0000	15,576.96 13	15,576.96 13	2.3474	1.4918	16,080.19 96

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	2.2268	69.0272	42.5614	0.1500	9.0469	1.5117	9.9940	4.5995	1.5039	5.5465	0.0000	15,576.96 13	15,576.96 13	2.3474	1.4918	16,080.19 96
2024	28.5156	28.7303	26.3328	0.0585	2.6009	1.0257	3.6266	0.6991	1.0242	1.7233	0.0000	5,827.116 3	5,827.116 3	0.7405	0.2245	5,911.364 4
Maximum	28.5156	69.0272	42.5614	0.1500	9.0469	1.5117	9.9940	4.5995	1.5039	5.5465	0.0000	15,576.96 13	15,576.96 13	2.3474	1.4918	16,080.19 96

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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	6.02	-40.07	-17.78	0.00	48.14	-10.12	44.24	51.19	-17.89	42.68	0.00	0.00	0.00	0.00	0.00	0.00

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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	4.4645	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087
Energy	0.0407	0.3702	0.3110	2.2200e-003		0.0281	0.0281		0.0281	0.0281		444.2355	444.2355	8.5100e-003	8.1400e-003	446.8754
Mobile	0.5304	33.9887	8.0668	0.1725	5.6217	0.3646	5.9863	1.5409	0.3488	1.8897		18,803.9890	18,803.9890	0.7989	2.9808	19,712.2423
Total	5.0357	34.3593	8.4253	0.1747	5.6217	0.3929	6.0146	1.5409	0.3771	1.9180		19,248.3266	19,248.3266	0.8077	2.9890	20,159.2264

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	4.4645	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087
Energy	0.0407	0.3702	0.3110	2.2200e-003		0.0281	0.0281		0.0281	0.0281		444.2355	444.2355	8.5100e-003	8.1400e-003	446.8754
Mobile	0.5304	33.9887	8.0668	0.1725	5.6217	0.3646	5.9863	1.5409	0.3488	1.8897		18,803.9890	18,803.9890	0.7989	2.9808	19,712.2423
Total	5.0357	34.3593	8.4253	0.1747	5.6217	0.3929	6.0146	1.5409	0.3771	1.9180		19,248.3266	19,248.3266	0.8077	2.9890	20,159.2264

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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	6/5/2023	8/31/2023	5	64	
2	Site Preparation	Site Preparation	9/1/2023	9/21/2023	5	15	
3	Grading	Grading	9/22/2023	10/19/2023	5	20	
4	Building Construction	Building Construction	10/20/2023	5/3/2024	5	141	
5	Architectural Coating	Architectural Coating	2/26/2024	5/31/2024	5	70	
6	Paving	Paving	5/6/2024	5/24/2024	5	15	

Acres of Grading (Site Preparation Phase): 22.5

Acres of Grading (Grading Phase): 60

Acres of Paving: 2.47

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 296,096; Non-Residential Outdoor: 98,699; Striped Parking Area: 6,408 (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	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Winter

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

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	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
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

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	880.00	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	3,060.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	163.00	64.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	33.00	0.00	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

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Winter

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

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.9757	0.0000	2.9757	0.4505	0.0000	0.4505			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183
Total	2.2691	21.4844	19.6434	0.0388	2.9757	0.9975	3.9732	0.4505	0.9280	1.3785		3,746.9840	3,746.9840	1.0494		3,773.2183

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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 - 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	0.0306	1.5942	0.4689	7.7400e-003	0.2408	0.0159	0.2567	0.0660	0.0152	0.0813		843.0064	843.0064	0.0358	0.1336	883.7201
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	0.0565	0.0372	0.4656	1.3600e-003	0.1677	8.3000e-004	0.1685	0.0445	7.6000e-004	0.0452		138.8409	138.8409	3.6600e-003	3.7200e-003	140.0409
Total	0.0871	1.6314	0.9345	9.1000e-003	0.4085	0.0168	0.4252	0.1105	0.0160	0.1265		981.8473	981.8473	0.0395	0.1373	1,023.7610

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.3391	0.0000	1.3391	0.2027	0.0000	0.2027			0.0000			0.0000
Off-Road	1.2617	32.6638	24.6739	0.0388		0.9135	0.9135		0.9135	0.9135	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183
Total	1.2617	32.6638	24.6739	0.0388	1.3391	0.9135	2.2526	0.2027	0.9135	1.1163	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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 - 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	0.0306	1.5942	0.4689	7.7400e-003	0.2408	0.0159	0.2567	0.0660	0.0152	0.0813		843.0064	843.0064	0.0358	0.1336	883.7201
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	0.0565	0.0372	0.4656	1.3600e-003	0.1677	8.3000e-004	0.1685	0.0445	7.6000e-004	0.0452		138.8409	138.8409	3.6600e-003	3.7200e-003	140.0409
Total	0.0871	1.6314	0.9345	9.1000e-003	0.4085	0.0168	0.4252	0.1105	0.0160	0.1265		981.8473	981.8473	0.0395	0.1373	1,023.7610

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.3081	3,687.3081	1.1926		3,717.1219
Total	2.6595	27.5242	18.2443	0.0381	19.6570	1.2660	20.9230	10.1025	1.1647	11.2672		3,687.3081	3,687.3081	1.1926		3,717.1219

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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 - 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	0.0678	0.0447	0.5587	1.6300e-003	0.2012	9.9000e-004	0.2022	0.0534	9.1000e-004	0.0543		166.6090	166.6090	4.4000e-003	4.4600e-003	168.0491
Total	0.0678	0.0447	0.5587	1.6300e-003	0.2012	9.9000e-004	0.2022	0.0534	9.1000e-004	0.0543		166.6090	166.6090	4.4000e-003	4.4600e-003	168.0491

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.8457	0.0000	8.8457	4.5461	0.0000	4.5461			0.0000			0.0000
Off-Road	1.2097	33.7214	22.9600	0.0381		0.9462	0.9462		0.9462	0.9462	0.0000	3,687.3081	3,687.3081	1.1926		3,717.1219
Total	1.2097	33.7214	22.9600	0.0381	8.8457	0.9462	9.7918	4.5461	0.9462	5.4923	0.0000	3,687.3081	3,687.3081	1.1926		3,717.1219

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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 - 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	0.0678	0.0447	0.5587	1.6300e-003	0.2012	9.9000e-004	0.2022	0.0534	9.1000e-004	0.0543		166.6090	166.6090	4.4000e-003	4.4600e-003	168.0491
Total	0.0678	0.0447	0.5587	1.6300e-003	0.2012	9.9000e-004	0.2022	0.0534	9.1000e-004	0.0543		166.6090	166.6090	4.4000e-003	4.4600e-003	168.0491

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.3420	0.0000	9.3420	3.6747	0.0000	3.6747			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105		6,011.4777	6,011.4777	1.9442		6,060.0836
Total	3.3217	34.5156	28.0512	0.0621	9.3420	1.4245	10.7665	3.6747	1.3105	4.9852		6,011.4777	6,011.4777	1.9442		6,060.0836

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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 - 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	0.3409	17.7390	5.2180	0.0861	2.6793	0.1773	2.8566	0.7347	0.1696	0.9043		9,380.3625	9,380.3625	0.3982	1.4868	9,833.3948
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	0.0753	0.0496	0.6208	1.8100e-003	0.2236	1.1000e-003	0.2247	0.0593	1.0200e-003	0.0603		185.1212	185.1212	4.8900e-003	4.9600e-003	186.7212
Total	0.4162	17.7886	5.8388	0.0879	2.9029	0.1784	3.0813	0.7940	0.1706	0.9646		9,565.4836	9,565.4836	0.4031	1.4918	10,020.1160

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					4.2039	0.0000	4.2039	1.6536	0.0000	1.6536			0.0000			0.0000
Off-Road	1.8106	51.2386	36.7226	0.0621		1.3333	1.3333		1.3333	1.3333	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836
Total	1.8106	51.2386	36.7226	0.0621	4.2039	1.3333	5.5372	1.6536	1.3333	2.9869	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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 - 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	0.3409	17.7390	5.2180	0.0861	2.6793	0.1773	2.8566	0.7347	0.1696	0.9043		9,380.3625	9,380.3625	0.3982	1.4868	9,833.3948
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	0.0753	0.0496	0.6208	1.8100e-003	0.2236	1.1000e-003	0.2247	0.0593	1.0200e-003	0.0603		185.1212	185.1212	4.8900e-003	4.9600e-003	186.7212
Total	0.4162	17.7886	5.8388	0.0879	2.9029	0.1784	3.0813	0.7940	0.1706	0.9646		9,565.4836	9,565.4836	0.4031	1.4918	10,020.1160

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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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	0.0697	2.3711	0.9710	0.0115	0.4100	0.0169	0.4270	0.1181	0.0162	0.1343		1,231.255 1	1,231.255 1	0.0319	0.1820	1,286.271 2
Worker	0.6140	0.4044	5.0592	0.0147	1.8220	9.0000e-003	1.8310	0.4832	8.2900e-003	0.4915		1,508.737 3	1,508.737 3	0.0398	0.0404	1,521.777 8
Total	0.6837	2.7755	6.0302	0.0262	2.2320	0.0259	2.2579	0.6013	0.0245	0.6258		2,739.992 4	2,739.992 4	0.0717	0.2224	2,808.049 0

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	1.0809	23.5544	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.209 9	2,555.209 9	0.6079		2,570.406 1
Total	1.0809	23.5544	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.209 9	2,555.209 9	0.6079		2,570.406 1

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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	0.0697	2.3711	0.9710	0.0115	0.4100	0.0169	0.4270	0.1181	0.0162	0.1343		1,231.255 1	1,231.255 1	0.0319	0.1820	1,286.271 2
Worker	0.6140	0.4044	5.0592	0.0147	1.8220	9.0000e-003	1.8310	0.4832	8.2900e-003	0.4915		1,508.737 3	1,508.737 3	0.0398	0.0404	1,521.777 8
Total	0.6837	2.7755	6.0302	0.0262	2.2320	0.0259	2.2579	0.6013	0.0245	0.6258		2,739.992 4	2,739.992 4	0.0717	0.2224	2,808.049 0

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.698 9	2,555.698 9	0.6044		2,570.807 7
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.698 9	2,555.698 9	0.6044		2,570.807 7

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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 - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0680	2.3919	0.9551	0.0113	0.4100	0.0167	0.4267	0.1181	0.0160	0.1340		1,214.3166	1,214.3166	0.0309	0.1794	1,268.5530
Worker	0.5718	0.3589	4.7166	0.0143	1.8220	8.6500e-003	1.8306	0.4832	7.9600e-003	0.4912		1,476.6908	1,476.6908	0.0361	0.0375	1,488.7551
Total	0.6397	2.7508	5.6717	0.0256	2.2320	0.0253	2.2573	0.6013	0.0239	0.6252		2,691.0074	2,691.0074	0.0670	0.2169	2,757.3081

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	1.0809	23.5544	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.0809	23.5544	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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 - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0680	2.3919	0.9551	0.0113	0.4100	0.0167	0.4267	0.1181	0.0160	0.1340		1,214.3166	1,214.3166	0.0309	0.1794	1,268.5530
Worker	0.5718	0.3589	4.7166	0.0143	1.8220	8.6500e-003	1.8306	0.4832	7.9600e-003	0.4912		1,476.6908	1,476.6908	0.0361	0.0375	1,488.7551
Total	0.6397	2.7508	5.6717	0.0256	2.2320	0.0253	2.2573	0.6013	0.0239	0.6252		2,691.0074	2,691.0074	0.0670	0.2169	2,757.3081

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	26.5654					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	26.7461	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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 - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1158	0.0727	0.9549	2.9000e-003	0.3689	1.7500e-003	0.3706	0.0978	1.6100e-003	0.0994		298.9619	298.9619	7.3100e-003	7.5800e-003	301.4044
Total	0.1158	0.0727	0.9549	2.9000e-003	0.3689	1.7500e-003	0.3706	0.0978	1.6100e-003	0.0994		298.9619	298.9619	7.3100e-003	7.5800e-003	301.4044

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	26.5654					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1139	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0159		281.8443
Total	26.6793	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0159		281.8443

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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 - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1158	0.0727	0.9549	2.9000e-003	0.3689	1.7500e-003	0.3706	0.0978	1.6100e-003	0.0994		298.9619	298.9619	7.3100e-003	7.5800e-003	301.4044
Total	0.1158	0.0727	0.9549	2.9000e-003	0.3689	1.7500e-003	0.3706	0.0978	1.6100e-003	0.0994		298.9619	298.9619	7.3100e-003	7.5800e-003	301.4044

3.7 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.4314					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4196	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.5472	2,207.5472	0.7140		2,225.3963

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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 - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0526	0.0330	0.4340	1.3200e-003	0.1677	8.0000e-004	0.1685	0.0445	7.3000e-004	0.0452		135.8918	135.8918	3.3200e-003	3.4500e-003	137.0020
Total	0.0526	0.0330	0.4340	1.3200e-003	0.1677	8.0000e-004	0.1685	0.0445	7.3000e-004	0.0452		135.8918	135.8918	3.3200e-003	3.4500e-003	137.0020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9311	20.1146	17.2957	0.0228		0.6670	0.6670		0.6670	0.6670	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.4314					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3625	20.1146	17.2957	0.0228		0.6670	0.6670		0.6670	0.6670	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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 - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0526	0.0330	0.4340	1.3200e-003	0.1677	8.0000e-004	0.1685	0.0445	7.3000e-004	0.0452		135.8918	135.8918	3.3200e-003	3.4500e-003	137.0020
Total	0.0526	0.0330	0.4340	1.3200e-003	0.1677	8.0000e-004	0.1685	0.0445	7.3000e-004	0.0452		135.8918	135.8918	3.3200e-003	3.4500e-003	137.0020

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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	0.5304	33.9887	8.0668	0.1725	5.6217	0.3646	5.9863	1.5409	0.3488	1.8897		18,803.9890	18,803.9890	0.7989	2.9808	19,712.2423
Unmitigated	0.5304	33.9887	8.0668	0.1725	5.6217	0.3646	5.9863	1.5409	0.3488	1.8897		18,803.9890	18,803.9890	0.7989	2.9808	19,712.2423

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	23.10	23.10	23.10	313,602	313,602
Unrefrigerated Warehouse-No Rail	149.23	149.23	149.23	2,026,348	2,026,348
Total	172.33	172.33	172.33	2,339,950	2,339,950

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
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	40.00	40.00	40.00	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	40.00	40.00	40.00	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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
City Park	0.540566	0.056059	0.172680	0.136494	0.026304	0.007104	0.011680	0.017449	0.000554	0.000251	0.025076	0.000954	0.004830
Parking Lot	0.540566	0.056059	0.172680	0.136494	0.026304	0.007104	0.011680	0.017449	0.000554	0.000251	0.025076	0.000954	0.004830
Refrigerated Warehouse-No Rail	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	1.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Unrefrigerated Warehouse-No Rail	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	1.000000	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	0.0407	0.3702	0.3110	2.2200e-003		0.0281	0.0281		0.0281	0.0281		444.2355	444.2355	8.5100e-003	8.1400e-003	446.8754
NaturalGas Unmitigated	0.0407	0.3702	0.3110	2.2200e-003		0.0281	0.0281		0.0281	0.0281		444.2355	444.2355	8.5100e-003	8.1400e-003	446.8754

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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					
City Park	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
Refrigerated Warehouse-No Rail	2797.67	0.0302	0.2743	0.2304	1.6500e-003		0.0209	0.0209		0.0209	0.0209		329.1379	329.1379	6.3100e-003	6.0300e-003	331.0938
Unrefrigerated Warehouse-No Rail	978.33	0.0106	0.0959	0.0806	5.8000e-004		7.2900e-003	7.2900e-003		7.2900e-003	7.2900e-003		115.0977	115.0977	2.2100e-003	2.1100e-003	115.7817
Total		0.0407	0.3702	0.3110	2.2300e-003		0.0281	0.0281		0.0281	0.0281		444.2356	444.2356	8.5200e-003	8.1400e-003	446.8754

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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					
City Park	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
Refrigerated Warehouse-No Rail	2.79767	0.0302	0.2743	0.2304	1.6500e-003		0.0209	0.0209		0.0209	0.0209		329.1379	329.1379	6.3100e-003	6.0300e-003	331.0938
Unrefrigerated Warehouse-No Rail	0.97833	0.0106	0.0959	0.0806	5.8000e-004		7.2900e-003	7.2900e-003		7.2900e-003	7.2900e-003		115.0977	115.0977	2.2100e-003	2.1100e-003	115.7817
Total		0.0407	0.3702	0.3110	2.2300e-003		0.0281	0.0281		0.0281	0.0281		444.2356	444.2356	8.5200e-003	8.1400e-003	446.8754

6.0 Area Detail

6.1 Mitigation Measures Area

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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	4.4645	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087
Unmitigated	4.4645	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087

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	0.5095					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9507					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.3900e-003	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087
Total	4.4645	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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	0.5095					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9507					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.3900e-003	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087
Total	4.4645	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087

7.0 Water Detail

7.1 Mitigation Measures Water

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-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

301 Tennessee Street Warehouse Project - San Bernardino-South Coast County, Annual

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

301 Tennessee Street Warehouse Project - Mitigated (construction model run only)

San Bernardino-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	19.74	1000sqft	2.15	19,740.00	0
Unrefrigerated Warehouse-No Rail	177.66	1000sqft	4.50	177,657.00	0
Parking Lot	267.00	Space	2.47	106,800.00	0
City Park	1.86	Acre	1.86	84,845.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2024
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 project site is 10.98 acres, project consist of a 197,397 sq ft warehouse with 10% cold storage

Construction Phase - Construction would start in June 2023 and end in May 2024. Overlap of building construction and architectural coating phases.

Off-road Equipment - Default equipment

Demolition - Demolition of existing buildings

Grading - Project would require the import of 24,477 CY of soil

Vehicle Trips - Based on a trip generation of 96 ADT for Refrigerated Warehouse and 866 ADT for Unrefrigerated Warehouse

Construction Off-road Equipment Mitigation - Project will comply with SCAQMD rule 403, use of Tier 2 Level 3 DPF equipment

Fleet Mix - Based on estimated trip generation

301 Tennessee Street Warehouse Project - San Bernardino-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
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

301 Tennessee Street Warehouse Project - San Bernardino-South Coast County, Annual

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

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstructionPhase	NumDays	20.00	64.00
tblConstructionPhase	NumDays	10.00	15.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	300.00	141.00
tblConstructionPhase	NumDays	20.00	70.00
tblConstructionPhase	NumDays	20.00	15.00
tblFleetMix	HHD	0.02	0.24
tblFleetMix	HHD	0.02	0.17
tblFleetMix	LDA	0.54	0.28
tblFleetMix	LDA	0.54	0.35
tblFleetMix	MH	4.8300e-003	0.00
tblFleetMix	MH	4.8300e-003	0.00
tblFleetMix	MHD	0.01	0.05

301 Tennessee Street Warehouse Project - San Bernardino-South Coast County, Annual

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

tblFleetMix	MHD	0.01	0.06
tblFleetMix	OBUS	5.5400e-004	0.00
tblFleetMix	OBUS	5.5400e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	UBUS	2.5100e-004	0.00
tblFleetMix	UBUS	2.5100e-004	0.00
tblGrading	MaterialImported	0.00	24,477.00
tblLandUse	LandUseSquareFeet	81,021.60	84,845.00
tblLandUse	LotAcreage	0.45	2.15
tblLandUse	LotAcreage	4.08	4.50
tblLandUse	LotAcreage	2.40	2.47
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	2.12	4.86
tblVehicleTrips	ST_TR	1.74	4.87
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	2.12	4.86
tblVehicleTrips	SU_TR	1.74	4.87
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	2.12	4.86
tblVehicleTrips	WD_TR	1.74	4.87

2.0 Emissions Summary

301 Tennessee Street Warehouse Project - San Bernardino-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					
2023	0.1896	1.9082	1.7128	4.6900e-003	0.4348	0.0765	0.5113	0.1537	0.0712	0.2249	0.0000	427.9988	427.9988	0.0768	0.0227	436.6865
2024	1.0440	0.8461	1.2038	2.7700e-003	0.1125	0.0345	0.1469	0.0303	0.0325	0.0628	0.0000	249.8906	249.8906	0.0331	9.1700e-003	253.4484
Maximum	1.0440	1.9082	1.7128	4.6900e-003	0.4348	0.0765	0.5113	0.1537	0.0712	0.2249	0.0000	427.9988	427.9988	0.0768	0.0227	436.6865

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.1189	2.7134	2.0374	4.6900e-003	0.2500	0.0139	0.2639	0.0839	0.0138	0.0976	0.0000	427.9985	427.9985	0.0768	0.0227	436.6862
2024	1.0237	1.4202	1.3014	2.7700e-003	0.1125	8.5500e-003	0.1210	0.0303	8.4800e-003	0.0388	0.0000	249.8905	249.8905	0.0331	9.1700e-003	253.4482
Maximum	1.0237	2.7134	2.0374	4.6900e-003	0.2500	0.0139	0.2639	0.0839	0.0138	0.0976	0.0000	427.9985	427.9985	0.0768	0.0227	436.6862

301 Tennessee Street Warehouse Project - San Bernardino-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	7.39	-50.08	-14.48	0.00	33.77	79.77	41.53	37.94	78.55	52.57	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	6-5-2023	9-4-2023	0.8413	1.1678
2	9-5-2023	12-4-2023	1.0605	1.3840
3	12-5-2023	3-4-2024	0.6861	0.9950
4	3-5-2024	6-4-2024	1.3505	1.6638
		Highest	1.3505	1.6638

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	0.8145	5.0000e-005	5.9400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0116	0.0116	3.0000e-005	0.0000	0.0123
Energy	7.4300e-003	0.0676	0.0568	4.1000e-004		5.1300e-003	5.1300e-003		5.1300e-003	5.1300e-003	0.0000	292.7448	292.7448	0.0199	3.5900e-003	294.3126
Mobile	0.5783	3.2833	6.4507	0.0234	1.6056	0.0299	1.6355	0.4336	0.0284	0.4620	0.0000	2,250.5765	2,250.5765	0.1031	0.2306	2,321.8840
Waste						0.0000	0.0000		0.0000	0.0000	37.6995	0.0000	37.6995	2.2280	0.0000	93.3989
Water						0.0000	0.0000		0.0000	0.0000	14.4822	109.7794	124.2616	1.4967	0.0363	172.4810
Total	1.4003	3.3509	6.5134	0.0238	1.6056	0.0351	1.6407	0.4336	0.0336	0.4672	52.1817	2,653.1122	2,705.2939	3.8478	0.2705	2,882.0888

301 Tennessee Street Warehouse Project - San Bernardino-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	0.8145	5.0000e-005	5.9400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0116	0.0116	3.0000e-005	0.0000	0.0123
Energy	7.4300e-003	0.0676	0.0568	4.1000e-004		5.1300e-003	5.1300e-003		5.1300e-003	5.1300e-003	0.0000	292.7448	292.7448	0.0199	3.5900e-003	294.3126
Mobile	0.5783	3.2833	6.4507	0.0234	1.6056	0.0299	1.6355	0.4336	0.0284	0.4620	0.0000	2,250.5765	2,250.5765	0.1031	0.2306	2,321.8840
Waste						0.0000	0.0000		0.0000	0.0000	37.6995	0.0000	37.6995	2.2280	0.0000	93.3989
Water						0.0000	0.0000		0.0000	0.0000	14.4822	109.7794	124.2616	1.4967	0.0363	172.4810
Total	1.4003	3.3509	6.5134	0.0238	1.6056	0.0351	1.6407	0.4336	0.0336	0.4672	52.1817	2,653.1122	2,705.2939	3.8478	0.2705	2,882.0888

	ROG	NOx	CO	SO2	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	6/5/2023	8/31/2023	5	64	
2	Site Preparation	Site Preparation	9/1/2023	9/21/2023	5	15	
3	Grading	Grading	9/22/2023	10/19/2023	5	20	

301 Tennessee Street Warehouse Project - San Bernardino-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	10/20/2023	5/3/2024	5	141
5	Architectural Coating	Architectural Coating	2/26/2024	5/31/2024	5	70
6	Paving	Paving	5/6/2024	5/24/2024	5	15

Acres of Grading (Site Preparation Phase): 22.5

Acres of Grading (Grading Phase): 60

Acres of Paving: 2.47

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 296,096; Non-Residential Outdoor: 98,699; Striped Parking Area: 6,408 (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	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
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	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42

301 Tennessee Street Warehouse Project - San Bernardino-South Coast County, Annual

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

Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

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	880.00	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	3,060.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	163.00	64.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	33.00	0.00	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

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

301 Tennessee Street Warehouse Project - San Bernardino-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 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0952	0.0000	0.0952	0.0144	0.0000	0.0144	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0726	0.6875	0.6286	1.2400e-003		0.0319	0.0319		0.0297	0.0297	0.0000	108.7746	108.7746	0.0305	0.0000	109.5362
Total	0.0726	0.6875	0.6286	1.2400e-003	0.0952	0.0319	0.1271	0.0144	0.0297	0.0441	0.0000	108.7746	108.7746	0.0305	0.0000	109.5362

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0300e-003	0.0512	0.0149	2.5000e-004	7.5800e-003	5.1000e-004	8.0900e-003	2.0800e-003	4.9000e-004	2.5700e-003	0.0000	24.4510	24.4510	1.0400e-003	3.8800e-003	25.6320
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	1.6700e-003	1.2500e-003	0.0156	4.0000e-005	5.2600e-003	3.0000e-005	5.2900e-003	1.4000e-003	2.0000e-005	1.4200e-003	0.0000	4.1105	4.1105	1.1000e-004	1.1000e-004	4.1465
Total	2.7000e-003	0.0524	0.0305	2.9000e-004	0.0128	5.4000e-004	0.0134	3.4800e-003	5.1000e-004	3.9900e-003	0.0000	28.5615	28.5615	1.1500e-003	3.9900e-003	29.7784

301 Tennessee Street Warehouse Project - San Bernardino-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 - 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					
Fugitive Dust					0.0429	0.0000	0.0429	6.4900e-003	0.0000	6.4900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0404	1.0452	0.7896	1.2400e-003		4.3900e-003	4.3900e-003		4.3900e-003	4.3900e-003	0.0000	108.7745	108.7745	0.0305	0.0000	109.5361
Total	0.0404	1.0452	0.7896	1.2400e-003	0.0429	4.3900e-003	0.0472	6.4900e-003	4.3900e-003	0.0109	0.0000	108.7745	108.7745	0.0305	0.0000	109.5361

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0300e-003	0.0512	0.0149	2.5000e-004	7.5800e-003	5.1000e-004	8.0900e-003	2.0800e-003	4.9000e-004	2.5700e-003	0.0000	24.4510	24.4510	1.0400e-003	3.8800e-003	25.6320
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	1.6700e-003	1.2500e-003	0.0156	4.0000e-005	5.2600e-003	3.0000e-005	5.2900e-003	1.4000e-003	2.0000e-005	1.4200e-003	0.0000	4.1105	4.1105	1.1000e-004	1.1000e-004	4.1465
Total	2.7000e-003	0.0524	0.0305	2.9000e-004	0.0128	5.4000e-004	0.0134	3.4800e-003	5.1000e-004	3.9900e-003	0.0000	28.5615	28.5615	1.1500e-003	3.9900e-003	29.7784

301 Tennessee Street Warehouse Project - San Bernardino-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 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1474	0.0000	0.1474	0.0758	0.0000	0.0758	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0200	0.2064	0.1368	2.9000e-004		9.5000e-003	9.5000e-003		8.7400e-003	8.7400e-003	0.0000	25.0880	25.0880	8.1100e-003	0.0000	25.2909
Total	0.0200	0.2064	0.1368	2.9000e-004	0.1474	9.5000e-003	0.1569	0.0758	8.7400e-003	0.0845	0.0000	25.0880	25.0880	8.1100e-003	0.0000	25.2909

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	4.7000e-004	3.5000e-004	4.3900e-003	1.0000e-005	1.4800e-003	1.0000e-005	1.4900e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.1561	1.1561	3.0000e-005	3.0000e-005	1.1662
Total	4.7000e-004	3.5000e-004	4.3900e-003	1.0000e-005	1.4800e-003	1.0000e-005	1.4900e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.1561	1.1561	3.0000e-005	3.0000e-005	1.1662

301 Tennessee Street Warehouse Project - San Bernardino-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 - 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					
Fugitive Dust					0.0663	0.0000	0.0663	0.0341	0.0000	0.0341	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.0700e-003	0.2529	0.1722	2.9000e-004		1.0600e-003	1.0600e-003		1.0600e-003	1.0600e-003	0.0000	25.0880	25.0880	8.1100e-003	0.0000	25.2908
Total	9.0700e-003	0.2529	0.1722	2.9000e-004	0.0663	1.0600e-003	0.0674	0.0341	1.0600e-003	0.0352	0.0000	25.0880	25.0880	8.1100e-003	0.0000	25.2908

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	4.7000e-004	3.5000e-004	4.3900e-003	1.0000e-005	1.4800e-003	1.0000e-005	1.4900e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.1561	1.1561	3.0000e-005	3.0000e-005	1.1662
Total	4.7000e-004	3.5000e-004	4.3900e-003	1.0000e-005	1.4800e-003	1.0000e-005	1.4900e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.1561	1.1561	3.0000e-005	3.0000e-005	1.1662

301 Tennessee Street Warehouse Project - San Bernardino-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 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0934	0.0000	0.0934	0.0368	0.0000	0.0368	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0332	0.3452	0.2805	6.2000e-004		0.0142	0.0142		0.0131	0.0131	0.0000	54.5352	54.5352	0.0176	0.0000	54.9762
Total	0.0332	0.3452	0.2805	6.2000e-004	0.0934	0.0142	0.1077	0.0368	0.0131	0.0499	0.0000	54.5352	54.5352	0.0176	0.0000	54.9762

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	3.5700e-003	0.1780	0.0516	8.6000e-004	0.0264	1.7700e-003	0.0281	7.2400e-003	1.6900e-003	8.9300e-003	0.0000	85.0228	85.0228	3.6200e-003	0.0135	89.1294
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-004	5.2000e-004	6.5100e-003	2.0000e-005	2.1900e-003	1.0000e-005	2.2000e-003	5.8000e-004	1.0000e-005	5.9000e-004	0.0000	1.7127	1.7127	4.0000e-005	5.0000e-005	1.7277
Total	4.2700e-003	0.1785	0.0581	8.8000e-004	0.0285	1.7800e-003	0.0303	7.8200e-003	1.7000e-003	9.5200e-003	0.0000	86.7356	86.7356	3.6600e-003	0.0135	90.8571

301 Tennessee Street Warehouse Project - San Bernardino-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 - 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					
Fugitive Dust					0.0420	0.0000	0.0420	0.0165	0.0000	0.0165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0181	0.5124	0.3672	6.2000e-004		2.0000e-003	2.0000e-003		2.0000e-003	2.0000e-003	0.0000	54.5351	54.5351	0.0176	0.0000	54.9761
Total	0.0181	0.5124	0.3672	6.2000e-004	0.0420	2.0000e-003	0.0440	0.0165	2.0000e-003	0.0185	0.0000	54.5351	54.5351	0.0176	0.0000	54.9761

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	3.5700e-003	0.1780	0.0516	8.6000e-004	0.0264	1.7700e-003	0.0281	7.2400e-003	1.6900e-003	8.9300e-003	0.0000	85.0228	85.0228	3.6200e-003	0.0135	89.1294
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-004	5.2000e-004	6.5100e-003	2.0000e-005	2.1900e-003	1.0000e-005	2.2000e-003	5.8000e-004	1.0000e-005	5.9000e-004	0.0000	1.7127	1.7127	4.0000e-005	5.0000e-005	1.7277
Total	4.2700e-003	0.1785	0.0581	8.8000e-004	0.0285	1.7800e-003	0.0303	7.8200e-003	1.7000e-003	9.5200e-003	0.0000	86.7356	86.7356	3.6600e-003	0.0135	90.8571

301 Tennessee Street Warehouse Project - San Bernardino-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	0.0401	0.3668	0.4142	6.9000e-004		0.0178	0.0178		0.0168	0.0168	0.0000	59.1102	59.1102	0.0141	0.0000	59.4618
Total	0.0401	0.3668	0.4142	6.9000e-004		0.0178	0.0178		0.0168	0.0168	0.0000	59.1102	59.1102	0.0141	0.0000	59.4618

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.8400e-003	0.0602	0.0244	2.9000e-004	0.0103	4.3000e-004	0.0107	2.9700e-003	4.1000e-004	3.3800e-003	0.0000	28.4430	28.4430	7.4000e-004	4.2000e-003	29.7141
Worker	0.0145	0.0108	0.1352	3.8000e-004	0.0456	2.3000e-004	0.0458	0.0121	2.1000e-004	0.0123	0.0000	35.5946	35.5946	9.3000e-004	9.7000e-004	35.9057
Total	0.0163	0.0710	0.1596	6.7000e-004	0.0559	6.6000e-004	0.0565	0.0151	6.2000e-004	0.0157	0.0000	64.0375	64.0375	1.6700e-003	5.1700e-003	65.6198

301 Tennessee Street Warehouse Project - San Bernardino-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	0.0276	0.6006	0.4558	6.9000e-004		3.4600e-003	3.4600e-003		3.4600e-003	3.4600e-003	0.0000	59.1101	59.1101	0.0141	0.0000	59.4617
Total	0.0276	0.6006	0.4558	6.9000e-004		3.4600e-003	3.4600e-003		3.4600e-003	3.4600e-003	0.0000	59.1101	59.1101	0.0141	0.0000	59.4617

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.8400e-003	0.0602	0.0244	2.9000e-004	0.0103	4.3000e-004	0.0107	2.9700e-003	4.1000e-004	3.3800e-003	0.0000	28.4430	28.4430	7.4000e-004	4.2000e-003	29.7141
Worker	0.0145	0.0108	0.1352	3.8000e-004	0.0456	2.3000e-004	0.0458	0.0121	2.1000e-004	0.0123	0.0000	35.5946	35.5946	9.3000e-004	9.7000e-004	35.9057
Total	0.0163	0.0710	0.1596	6.7000e-004	0.0559	6.6000e-004	0.0565	0.0151	6.2000e-004	0.0157	0.0000	64.0375	64.0375	1.6700e-003	5.1700e-003	65.6198

301 Tennessee Street Warehouse Project - San Bernardino-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 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0662	0.6050	0.7275	1.2100e-003		0.0276	0.0276		0.0260	0.0260	0.0000	104.3321	104.3321	0.0247	0.0000	104.9489
Total	0.0662	0.6050	0.7275	1.2100e-003		0.0276	0.0276		0.0260	0.0260	0.0000	104.3321	104.3321	0.0247	0.0000	104.9489

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1700e-003	0.1072	0.0423	5.1000e-004	0.0182	7.5000e-004	0.0189	5.2400e-003	7.2000e-004	5.9600e-003	0.0000	49.5025	49.5025	1.2700e-003	7.3100e-003	51.7137
Worker	0.0238	0.0169	0.2225	6.6000e-004	0.0804	3.9000e-004	0.0808	0.0214	3.6000e-004	0.0217	0.0000	61.4765	61.4765	1.4900e-003	1.5800e-003	61.9844
Total	0.0269	0.1241	0.2648	1.1700e-003	0.0986	1.1400e-003	0.0997	0.0266	1.0800e-003	0.0277	0.0000	110.9790	110.9790	2.7600e-003	8.8900e-003	113.6982

301 Tennessee Street Warehouse Project - San Bernardino-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 - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0486	1.0600	0.8043	1.2100e-003		6.1000e-003	6.1000e-003		6.1000e-003	6.1000e-003	0.0000	104.3320	104.3320	0.0247	0.0000	104.9488
Total	0.0486	1.0600	0.8043	1.2100e-003		6.1000e-003	6.1000e-003		6.1000e-003	6.1000e-003	0.0000	104.3320	104.3320	0.0247	0.0000	104.9488

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1700e-003	0.1072	0.0423	5.1000e-004	0.0182	7.5000e-004	0.0189	5.2400e-003	7.2000e-004	5.9600e-003	0.0000	49.5025	49.5025	1.2700e-003	7.3100e-003	51.7137
Worker	0.0238	0.0169	0.2225	6.6000e-004	0.0804	3.9000e-004	0.0808	0.0214	3.6000e-004	0.0217	0.0000	61.4765	61.4765	1.4900e-003	1.5800e-003	61.9844
Total	0.0269	0.1241	0.2648	1.1700e-003	0.0986	1.1400e-003	0.0997	0.0266	1.0800e-003	0.0277	0.0000	110.9790	110.9790	2.7600e-003	8.8900e-003	113.6982

301 Tennessee Street Warehouse Project - San Bernardino-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 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9298					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.3300e-003	0.0427	0.0634	1.0000e-004		2.1300e-003	2.1300e-003		2.1300e-003	2.1300e-003	0.0000	8.9364	8.9364	5.0000e-004	0.0000	8.9490
Total	0.9361	0.0427	0.0634	1.0000e-004		2.1300e-003	2.1300e-003		2.1300e-003	2.1300e-003	0.0000	8.9364	8.9364	5.0000e-004	0.0000	8.9490

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	3.7400e-003	2.6600e-003	0.0350	1.0000e-004	0.0127	6.0000e-005	0.0127	3.3600e-003	6.0000e-005	3.4200e-003	0.0000	9.6804	9.6804	2.4000e-004	2.5000e-004	9.7603
Total	3.7400e-003	2.6600e-003	0.0350	1.0000e-004	0.0127	6.0000e-005	0.0127	3.3600e-003	6.0000e-005	3.4200e-003	0.0000	9.6804	9.6804	2.4000e-004	2.5000e-004	9.7603

301 Tennessee Street Warehouse Project - San Bernardino-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 - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9298					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9900e-003	0.0823	0.0641	1.0000e-004		5.0000e-004	5.0000e-004		5.0000e-004	5.0000e-004	0.0000	8.9364	8.9364	5.0000e-004	0.0000	8.9490
Total	0.9338	0.0823	0.0641	1.0000e-004		5.0000e-004	5.0000e-004		5.0000e-004	5.0000e-004	0.0000	8.9364	8.9364	5.0000e-004	0.0000	8.9490

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	3.7400e-003	2.6600e-003	0.0350	1.0000e-004	0.0127	6.0000e-005	0.0127	3.3600e-003	6.0000e-005	3.4200e-003	0.0000	9.6804	9.6804	2.4000e-004	2.5000e-004	9.7603
Total	3.7400e-003	2.6600e-003	0.0350	1.0000e-004	0.0127	6.0000e-005	0.0127	3.3600e-003	6.0000e-005	3.4200e-003	0.0000	9.6804	9.6804	2.4000e-004	2.5000e-004	9.7603

301 Tennessee Street Warehouse Project - San Bernardino-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 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.4100e-003	0.0714	0.1097	1.7000e-004		3.5100e-003	3.5100e-003		3.2300e-003	3.2300e-003	0.0000	15.0199	15.0199	4.8600e-003	0.0000	15.1413
Paving	3.2400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0107	0.0714	0.1097	1.7000e-004		3.5100e-003	3.5100e-003		3.2300e-003	3.2300e-003	0.0000	15.0199	15.0199	4.8600e-003	0.0000	15.1413

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	3.6000e-004	2.6000e-004	3.4100e-003	1.0000e-005	1.2300e-003	1.0000e-005	1.2400e-003	3.3000e-004	1.0000e-005	3.3000e-004	0.0000	0.9429	0.9429	2.0000e-005	2.0000e-005	0.9507
Total	3.6000e-004	2.6000e-004	3.4100e-003	1.0000e-005	1.2300e-003	1.0000e-005	1.2400e-003	3.3000e-004	1.0000e-005	3.3000e-004	0.0000	0.9429	0.9429	2.0000e-005	2.0000e-005	0.9507

301 Tennessee Street Warehouse Project - San Bernardino-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 - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.9800e-003	0.1509	0.1297	1.7000e-004		7.5000e-004	7.5000e-004		7.5000e-004	7.5000e-004	0.0000	15.0199	15.0199	4.8600e-003	0.0000	15.1413
Paving	3.2400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0102	0.1509	0.1297	1.7000e-004		7.5000e-004	7.5000e-004		7.5000e-004	7.5000e-004	0.0000	15.0199	15.0199	4.8600e-003	0.0000	15.1413

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	3.6000e-004	2.6000e-004	3.4100e-003	1.0000e-005	1.2300e-003	1.0000e-005	1.2400e-003	3.3000e-004	1.0000e-005	3.3000e-004	0.0000	0.9429	0.9429	2.0000e-005	2.0000e-005	0.9507
Total	3.6000e-004	2.6000e-004	3.4100e-003	1.0000e-005	1.2300e-003	1.0000e-005	1.2400e-003	3.3000e-004	1.0000e-005	3.3000e-004	0.0000	0.9429	0.9429	2.0000e-005	2.0000e-005	0.9507

301 Tennessee Street Warehouse Project - San Bernardino-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	0.5783	3.2833	6.4507	0.0234	1.6056	0.0299	1.6355	0.4336	0.0284	0.4620	0.0000	2,250,576 5	2,250,576 5	0.1031	0.2306	2,321,884 0
Unmitigated	0.5783	3.2833	6.4507	0.0234	1.6056	0.0299	1.6355	0.4336	0.0284	0.4620	0.0000	2,250,576 5	2,250,576 5	0.1031	0.2306	2,321,884 0

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	95.94	95.94	95.94	411,156	411,156
Unrefrigerated Warehouse-No Rail	865.19	865.19	865.19	3,707,958	3,707,958
Total	961.13	961.13	961.13	4,119,114	4,119,114

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
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

301 Tennessee Street Warehouse Project - San Bernardino-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
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.540566	0.056059	0.172680	0.136494	0.026304	0.007104	0.011680	0.017449	0.000554	0.000251	0.025076	0.000954	0.004830
Parking Lot	0.540566	0.056059	0.172680	0.136494	0.026304	0.007104	0.011680	0.017449	0.000554	0.000251	0.025076	0.000954	0.004830
Refrigerated Warehouse-No Rail	0.284283	0.056059	0.172680	0.136494	0.026304	0.007104	0.052000	0.240000	0.000000	0.000000	0.025076	0.000000	0.000000
Unrefrigerated Warehouse-No Rail	0.347283	0.056059	0.172680	0.136494	0.026304	0.007104	0.057000	0.172000	0.000000	0.000000	0.025076	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

301 Tennessee Street Warehouse Project - San Bernardino-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					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	219.1966	219.1966	0.0185	2.2400e-003	220.3274
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	219.1966	219.1966	0.0185	2.2400e-003	220.3274
Natural Gas Mitigated	7.4300e-003	0.0676	0.0568	4.1000e-004		5.1300e-003	5.1300e-003		5.1300e-003	5.1300e-003	0.0000	73.5482	73.5482	1.4100e-003	1.3500e-003	73.9852
Natural Gas Unmitigated	7.4300e-003	0.0676	0.0568	4.1000e-004		5.1300e-003	5.1300e-003		5.1300e-003	5.1300e-003	0.0000	73.5482	73.5482	1.4100e-003	1.3500e-003	73.9852

301 Tennessee Street Warehouse Project - San Bernardino-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					
City Park	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
Refrigerated Warehouse-No Rail	1.02115e+006	5.5100e-003	0.0501	0.0421	3.0000e-004		3.8000e-003	3.8000e-003		3.8000e-003	3.8000e-003	0.0000	54.4925	54.4925	1.0400e-003	1.0000e-003	54.8163
Unrefrigerated Warehouse-No Rail	357091	1.9300e-003	0.0175	0.0147	1.1000e-004		1.3300e-003	1.3300e-003		1.3300e-003	1.3300e-003	0.0000	19.0557	19.0557	3.7000e-004	3.5000e-004	19.1690
Total		7.4400e-003	0.0676	0.0568	4.1000e-004		5.1300e-003	5.1300e-003		5.1300e-003	5.1300e-003	0.0000	73.5482	73.5482	1.4100e-003	1.3500e-003	73.9852

301 Tennessee Street Warehouse Project - San Bernardino-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					
City Park	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
Refrigerated Warehouse-No Rail	1.02115e+006	5.5100e-003	0.0501	0.0421	3.0000e-004		3.8000e-003	3.8000e-003		3.8000e-003	3.8000e-003	0.0000	54.4925	54.4925	1.0400e-003	1.0000e-003	54.8163
Unrefrigerated Warehouse-No Rail	357091	1.9300e-003	0.0175	0.0147	1.1000e-004		1.3300e-003	1.3300e-003		1.3300e-003	1.3300e-003	0.0000	19.0557	19.0557	3.7000e-004	3.5000e-004	19.1690
Total		7.4400e-003	0.0676	0.0568	4.1000e-004		5.1300e-003	5.1300e-003		5.1300e-003	5.1300e-003	0.0000	73.5482	73.5482	1.4100e-003	1.3500e-003	73.9852

301 Tennessee Street Warehouse Project - San Bernardino-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			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	37380	6.6292	5.6000e-004	7.0000e-005	6.6634
Refrigerated Warehouse-No Rail	786442	139.4719	0.0118	1.4300e-003	140.1914
Unrefrigerated Warehouse-No Rail	412164	73.0955	6.1700e-003	7.5000e-004	73.4726
Total		219.1966	0.0185	2.2500e-003	220.3274

301 Tennessee Street Warehouse Project - San Bernardino-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			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	37380	6.6292	5.6000e-004	7.0000e-005	6.6634
Refrigerated Warehouse-No Rail	786442	139.4719	0.0118	1.4300e-003	140.1914
Unrefrigerated Warehouse-No Rail	412164	73.0955	6.1700e-003	7.5000e-004	73.4726
Total		219.1966	0.0185	2.2500e-003	220.3274

6.0 Area Detail

6.1 Mitigation Measures Area

301 Tennessee Street Warehouse Project - San Bernardino-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	0.8145	5.0000e-005	5.9400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0116	0.0116	3.0000e-005	0.0000	0.0123
Unmitigated	0.8145	5.0000e-005	5.9400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0116	0.0116	3.0000e-005	0.0000	0.0123

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	0.0930					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7210					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.5000e-004	5.0000e-005	5.9400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0116	0.0116	3.0000e-005	0.0000	0.0123
Total	0.8145	5.0000e-005	5.9400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0116	0.0116	3.0000e-005	0.0000	0.0123

301 Tennessee Street Warehouse Project - San Bernardino-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	0.0930					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7210					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.5000e-004	5.0000e-005	5.9400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0116	0.0116	3.0000e-005	0.0000	0.0123
Total	0.8145	5.0000e-005	5.9400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0116	0.0116	3.0000e-005	0.0000	0.0123

7.0 Water Detail

7.1 Mitigation Measures Water

301 Tennessee Street Warehouse Project - San Bernardino-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	124.2616	1.4967	0.0363	172.4810
Unmitigated	124.2616	1.4967	0.0363	172.4810

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 2.21616	4.3665	3.7000e-004	4.0000e-005	4.3890
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	4.56487 / 0	11.9895	0.1496	3.6200e-003	16.8092
Unrefrigerated Warehouse-No Rail	41.0839 / 0	107.9056	1.3467	0.0326	151.2828
Total		124.2616	1.4967	0.0362	172.4810

301 Tennessee Street Warehouse Project - San Bernardino-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			
City Park	0 / 2.21616	4.3665	3.7000e-004	4.0000e-005	4.3890
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	4.56487 / 0	11.9895	0.1496	3.6200e-003	16.8092
Unrefrigerated Warehouse-No Rail	41.0839 / 0	107.9056	1.3467	0.0326	151.2828
Total		124.2616	1.4967	0.0362	172.4810

8.0 Waste Detail

8.1 Mitigation Measures Waste

301 Tennessee Street Warehouse Project - San Bernardino-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	37.6995	2.2280	0.0000	93.3989
Unmitigated	37.6995	2.2280	0.0000	93.3989

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.16	0.0325	1.9200e-003	0.0000	0.0805
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	18.56	3.7675	0.2227	0.0000	9.3339
Unrefrigerated Warehouse-No Rail	167	33.8995	2.0034	0.0000	83.9846
Total		37.6995	2.2280	0.0000	93.3989

301 Tennessee Street Warehouse Project - San Bernardino-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			
City Park	0.16	0.0325	1.9200e-003	0.0000	0.0805
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	18.56	3.7675	0.2227	0.0000	9.3339
Unrefrigerated Warehouse-No Rail	167	33.8995	2.0034	0.0000	83.9846
Total		37.6995	2.2280	0.0000	93.3989

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

301 Tennessee Street Warehouse Project - San Bernardino-South Coast County, Annual

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

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

11.0 Vegetation

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-South Coast County, Annual

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

301 Tennessee Street Warehouse Project - Existing Uses

San Bernardino-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	193.47	1000sqft	4.44	193,469.00	0
Single Family Housing	1.00	Dwelling Unit	0.32	1,800.00	3

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2022
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 - Project site is currently developed with a single home and a 193,469 sq ft warehouse

Construction Phase - Operational run only

Grading -

Vehicle Trips - Based on trip generation for the proposed project, warehouse would have 919 ADT and single-family house would have 9 ADT

Fleet Mix - Based on fleet mix distribution from traffic analysis of 53 medium trucks and 161 heavy trucks. Default fleet mix for single-family house.

Energy Use - Using historical data

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	0.00
tblConstructionPhase	PhaseEndDate	12/5/2022	11/28/2022

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-South Coast County, Annual

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

tblEnergyUse	T24E	1,269.07	1,269.07
tblEnergyUse	T24NG	30,907.53	30,907.53
tblFleetMix	HHD	0.02	0.17
tblFleetMix	LDA	0.53	0.34
tblFleetMix	MH	5.3230e-003	0.00
tblFleetMix	MHD	0.01	0.06
tblFleetMix	OBUS	5.6900e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	UBUS	2.5700e-004	0.00
tblVehicleTrips	ST_TR	9.54	9.43
tblVehicleTrips	ST_TR	1.74	4.75
tblVehicleTrips	SU_TR	8.55	9.43
tblVehicleTrips	SU_TR	1.74	4.75
tblVehicleTrips	WD_TR	9.44	9.43
tblVehicleTrips	WD_TR	1.74	4.75

2.0 Emissions Summary

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-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					
2022	0.0000	0.0000	0.0000	0.0000	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					
2022	0.0000	0.0000	0.0000	0.0000	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)

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-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	0.7997	4.0000e-004	0.0192	2.0000e-005		1.0200e-003	1.0200e-003		1.0200e-003	1.0200e-003	0.1062	0.2258	0.3320	3.5000e-004	1.0000e-005	0.3428
Energy	2.8200e-003	0.0255	0.0207	1.5000e-004		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003	0.0000	138.4023	138.4023	9.8600e-003	1.6400e-003	139.1382
Mobile	0.6380	3.7809	6.9074	0.0236	1.5463	0.0403	1.5866	0.4175	0.0384	0.4559	0.0000	2,255.6365	2,255.6365	0.1073	0.2311	2,327.1712
Waste						0.0000	0.0000		0.0000	0.0000	37.1656	0.0000	37.1656	2.1964	0.0000	92.0762
Water						0.0000	0.0000		0.0000	0.0000	14.2146	103.5456	117.7602	1.4687	0.0355	165.0667
Total	1.4405	3.8068	6.9473	0.0238	1.5463	0.0433	1.5896	0.4175	0.0413	0.4589	51.4864	2,497.8101	2,549.2965	3.7826	0.2682	2,723.7950

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-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	0.7997	4.0000e-004	0.0192	2.0000e-005		1.0200e-003	1.0200e-003		1.0200e-003	1.0200e-003	0.1062	0.2258	0.3320	3.5000e-004	1.0000e-005	0.3428
Energy	2.8200e-003	0.0255	0.0207	1.5000e-004		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003	0.0000	138.4023	138.4023	9.8600e-003	1.6400e-003	139.1382
Mobile	0.6380	3.7809	6.9074	0.0236	1.5463	0.0403	1.5866	0.4175	0.0384	0.4559	0.0000	2,255.6365	2,255.6365	0.1073	0.2311	2,327.1712
Waste						0.0000	0.0000		0.0000	0.0000	37.1656	0.0000	37.1656	2.1964	0.0000	92.0762
Water						0.0000	0.0000		0.0000	0.0000	14.2146	103.5456	117.7602	1.4687	0.0355	165.0667
Total	1.4405	3.8068	6.9473	0.0238	1.5463	0.0433	1.5896	0.4175	0.0413	0.4589	51.4864	2,497.8101	2,549.2965	3.7826	0.2682	2,723.7950

	ROG	NOx	CO	SO2	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	Site Preparation	Site Preparation	11/29/2022	11/28/2022	5	0	

Acres of Grading (Site Preparation Phase): 0

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-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 (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	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
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-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	0.6380	3.7809	6.9074	0.0236	1.5463	0.0403	1.5866	0.4175	0.0384	0.4559	0.0000	2,255.6365	2,255.6365	0.1073	0.2311	2,327.1712
Unmitigated	0.6380	3.7809	6.9074	0.0236	1.5463	0.0403	1.5866	0.4175	0.0384	0.4559	0.0000	2,255.6365	2,255.6365	0.1073	0.2311	2,327.1712

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	9.43	9.43	9.43	32,224	32,224
Unrefrigerated Warehouse-No Rail	918.98	918.98	918.98	3,938,478	3,938,478
Total	928.41	928.41	928.41	3,970,702	3,970,702

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
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-South Coast County, Annual

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
Single Family Housing	0.534251	0.055593	0.171990	0.141576	0.027719	0.007281	0.011628	0.017336	0.000569	0.000257	0.025522	0.000954	0.005323
Unrefrigerated Warehouse-No Rail	0.341319	0.055593	0.171990	0.141576	0.027719	0.007281	0.057000	0.172000	0.000000	0.000000	0.025522	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	110.5216	110.5216	9.3300e-003	1.1300e-003	111.0918
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	110.5216	110.5216	9.3300e-003	1.1300e-003	111.0918
NaturalGas Mitigated	2.8200e-003	0.0255	0.0207	1.5000e-004		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003	0.0000	27.8807	27.8807	5.3000e-004	5.1000e-004	28.0464
NaturalGas Unmitigated	2.8200e-003	0.0255	0.0207	1.5000e-004		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003	0.0000	27.8807	27.8807	5.3000e-004	5.1000e-004	28.0464

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-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

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Single Family Housing	36857.7	2.0000e-004	1.7000e-003	7.2000e-004	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	1.9669	1.9669	4.0000e-005	4.0000e-005	1.9786
Unrefrigerated Warehouse-No Rail	485607	2.6200e-003	0.0238	0.0200	1.4000e-004		1.8100e-003	1.8100e-003		1.8100e-003	1.8100e-003	0.0000	25.9139	25.9139	5.0000e-004	4.8000e-004	26.0678
Total		2.8200e-003	0.0255	0.0207	1.5000e-004		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003	0.0000	27.8807	27.8807	5.4000e-004	5.2000e-004	28.0464

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					
Single Family Housing	36857.7	2.0000e-004	1.7000e-003	7.2000e-004	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	1.9669	1.9669	4.0000e-005	4.0000e-005	1.9786
Unrefrigerated Warehouse-No Rail	485607	2.6200e-003	0.0238	0.0200	1.4000e-004		1.8100e-003	1.8100e-003		1.8100e-003	1.8100e-003	0.0000	25.9139	25.9139	5.0000e-004	4.8000e-004	26.0678
Total		2.8200e-003	0.0255	0.0207	1.5000e-004		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003	0.0000	27.8807	27.8807	5.4000e-004	5.2000e-004	28.0464

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-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			
Single Family Housing	7967.72	1.4130	1.2000e-004	1.0000e-005	1.4203
Unrefrigerated Warehouse-No Rail	615231	109.1086	9.2100e-003	1.1200e-003	109.6714
Total		110.5216	9.3300e-003	1.1300e-003	111.0918

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	7967.72	1.4130	1.2000e-004	1.0000e-005	1.4203
Unrefrigerated Warehouse-No Rail	615231	109.1086	9.2100e-003	1.1200e-003	109.6714
Total		110.5216	9.3300e-003	1.1300e-003	111.0918

6.0 Area Detail

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-South Coast County, Annual

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

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.7997	4.0000e-004	0.0192	2.0000e-005		1.0200e-003	1.0200e-003		1.0200e-003	1.0200e-003	0.1062	0.2258	0.3320	3.5000e-004	1.0000e-005	0.3428
Unmitigated	0.7997	4.0000e-004	0.0192	2.0000e-005		1.0200e-003	1.0200e-003		1.0200e-003	1.0200e-003	0.1062	0.2258	0.3320	3.5000e-004	1.0000e-005	0.3428

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-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

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	0.0902					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7056					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	3.2800e-003	2.6000e-004	6.3600e-003	2.0000e-005		9.5000e-004	9.5000e-004		9.5000e-004	9.5000e-004	0.1062	0.2041	0.3103	3.2000e-004	1.0000e-005	0.3204
Landscaping	5.4000e-004	1.4000e-004	0.0128	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0217	0.0217	3.0000e-005	0.0000	0.0224
Total	0.7997	4.0000e-004	0.0192	2.0000e-005		1.0200e-003	1.0200e-003		1.0200e-003	1.0200e-003	0.1062	0.2258	0.3320	3.5000e-004	1.0000e-005	0.3428

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-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	0.0902					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7056					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	3.2800e-003	2.6000e-004	6.3600e-003	2.0000e-005		9.5000e-004	9.5000e-004		9.5000e-004	9.5000e-004	0.1062	0.2041	0.3103	3.2000e-004	1.0000e-005	0.3204
Landscaping	5.4000e-004	1.4000e-004	0.0128	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0217	0.0217	3.0000e-005	0.0000	0.0224
Total	0.7997	4.0000e-004	0.0192	2.0000e-005		1.0200e-003	1.0200e-003		1.0200e-003	1.0200e-003	0.1062	0.2258	0.3320	3.5000e-004	1.0000e-005	0.3428

7.0 Water Detail

7.1 Mitigation Measures Water

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-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	117.7602	1.4687	0.0355	165.0667
Unmitigated	117.7602	1.4687	0.0355	165.0667

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	0.065154 / 0.0410754	0.2521	2.1400e-003	5.0000e-005	0.3213
Unrefrigerated Warehouse-No Rail	44.7399 / 0	117.5081	1.4666	0.0355	164.7454
Total		117.7602	1.4687	0.0355	165.0667

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-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			
Single Family Housing	0.065154 / 0.0410754	0.2521	2.1400e-003	5.0000e-005	0.3213
Unrefrigerated Warehouse-No Rail	44.7399 / 0	117.5081	1.4666	0.0355	164.7454
Total		117.7602	1.4687	0.0355	165.0667

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	37.1656	2.1964	0.0000	92.0762
Unmitigated	37.1656	2.1964	0.0000	92.0762

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-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

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	1.23	0.2497	0.0148	0.0000	0.6186
Unrefrigerated Warehouse-No Rail	181.86	36.9159	2.1817	0.0000	91.4577
Total		37.1656	2.1964	0.0000	92.0762

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	1.23	0.2497	0.0148	0.0000	0.6186
Unrefrigerated Warehouse-No Rail	181.86	36.9159	2.1817	0.0000	91.4577
Total		37.1656	2.1964	0.0000	92.0762

9.0 Operational Offroad

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-South Coast County, Annual

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

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

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-South Coast County, Summer

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

301 Tennessee Street Warehouse Project - Existing Uses

San Bernardino-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	193.47	1000sqft	4.44	193,469.00	0
Single Family Housing	1.00	Dwelling Unit	0.32	1,800.00	3

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2022
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 - Project site is currently developed with a single home and a 193,469 sq ft warehouse

Construction Phase - Operational run only

Grading -

Vehicle Trips - Based on trip generation for the proposed project, warehouse would have 919 ADT and single-family house would have 9 ADT

Fleet Mix - Based on fleet mix distribution from traffic analysis of 53 medium trucks and 161 heavy trucks. Default fleet mix for single-family house.

Energy Use - Using historical data

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	0.00
tblConstructionPhase	PhaseEndDate	12/5/2022	11/28/2022

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-South Coast County, Summer

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

tblEnergyUse	T24E	1,269.07	1,269.07
tblEnergyUse	T24NG	30,907.53	30,907.53
tblFleetMix	HHD	0.02	0.17
tblFleetMix	LDA	0.53	0.34
tblFleetMix	MH	5.3230e-003	0.00
tblFleetMix	MHD	0.01	0.06
tblFleetMix	OBUS	5.6900e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	UBUS	2.5700e-004	0.00
tblVehicleTrips	ST_TR	9.54	9.43
tblVehicleTrips	ST_TR	1.74	4.75
tblVehicleTrips	SU_TR	8.55	9.43
tblVehicleTrips	SU_TR	1.74	4.75
tblVehicleTrips	WD_TR	9.44	9.43
tblVehicleTrips	WD_TR	1.74	4.75

2.0 Emissions Summary

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-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	4.6271	0.0219	0.6109	1.3000e-003		0.0769	0.0769		0.0769	0.0769	9.3669	18.1909	27.5578	0.0282	6.4000e-004	28.4520
Energy	0.0154	0.1397	0.1135	8.4000e-004		0.0107	0.0107		0.0107	0.0107		168.4012	168.4012	3.2300e-003	3.0900e-003	169.4020
Mobile	3.9060	19.5693	40.6894	0.1342	8.6541	0.2216	8.8757	2.3329	0.2109	2.5438		14,097.7805	14,097.7805	0.6401	1.3854	14,526.6297
Total	8.5486	19.7310	41.4139	0.1363	8.6541	0.3092	8.9633	2.3329	0.2985	2.6314	9.3669	14,284.3726	14,293.7395	0.6715	1.3891	14,724.4837

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	4.6271	0.0219	0.6109	1.3000e-003		0.0769	0.0769		0.0769	0.0769	9.3669	18.1909	27.5578	0.0282	6.4000e-004	28.4520
Energy	0.0154	0.1397	0.1135	8.4000e-004		0.0107	0.0107		0.0107	0.0107		168.4012	168.4012	3.2300e-003	3.0900e-003	169.4020
Mobile	3.9060	19.5693	40.6894	0.1342	8.6541	0.2216	8.8757	2.3329	0.2109	2.5438		14,097.7805	14,097.7805	0.6401	1.3854	14,526.6297
Total	8.5486	19.7310	41.4139	0.1363	8.6541	0.3092	8.9633	2.3329	0.2985	2.6314	9.3669	14,284.3726	14,293.7395	0.6715	1.3891	14,724.4837

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-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	Site Preparation	Site Preparation	11/29/2022	11/28/2022	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	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
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-South Coast County, Summer

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	lb/day										lb/day					
Mitigated	3.9060	19.5693	40.6894	0.1342	8.6541	0.2216	8.8757	2.3329	0.2109	2.5438		14,097.7805	14,097.7805	0.6401	1.3854	14,526.6297
Unmitigated	3.9060	19.5693	40.6894	0.1342	8.6541	0.2216	8.8757	2.3329	0.2109	2.5438		14,097.7805	14,097.7805	0.6401	1.3854	14,526.6297

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	9.43	9.43	9.43	32,224	32,224
Unrefrigerated Warehouse-No Rail	918.98	918.98	918.98	3,938,478	3,938,478
Total	928.41	928.41	928.41	3,970,702	3,970,702

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
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-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
Single Family Housing	0.534251	0.055593	0.171990	0.141576	0.027719	0.007281	0.011628	0.017336	0.000569	0.000257	0.025522	0.000954	0.005323
Unrefrigerated Warehouse-No Rail	0.341319	0.055593	0.171990	0.141576	0.027719	0.007281	0.057000	0.172000	0.000000	0.000000	0.025522	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: Y

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	0.0154	0.1397	0.1135	8.4000e-004		0.0107	0.0107		0.0107	0.0107		168.4012	168.4012	3.2300e-003	3.0900e-003	169.4020
NaturalGas Unmitigated	0.0154	0.1397	0.1135	8.4000e-004		0.0107	0.0107		0.0107	0.0107		168.4012	168.4012	3.2300e-003	3.0900e-003	169.4020

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-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					
Single Family Housing	100.98	1.0900e-003	9.3100e-003	3.9600e-003	6.0000e-005		7.5000e-004	7.5000e-004		7.5000e-004	7.5000e-004		11.8800	11.8800	2.3000e-004	2.2000e-004	11.9506
Unrefrigerated Warehouse-No Rail	1330.43	0.0144	0.1304	0.1096	7.8000e-004		9.9100e-003	9.9100e-003		9.9100e-003	9.9100e-003		156.5213	156.5213	3.0000e-003	2.8700e-003	157.4514
Total		0.0154	0.1397	0.1135	8.4000e-004		0.0107	0.0107		0.0107	0.0107		168.4012	168.4012	3.2300e-003	3.0900e-003	169.4020

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					
Single Family Housing	0.10098	1.0900e-003	9.3100e-003	3.9600e-003	6.0000e-005		7.5000e-004	7.5000e-004		7.5000e-004	7.5000e-004		11.8800	11.8800	2.3000e-004	2.2000e-004	11.9506
Unrefrigerated Warehouse-No Rail	1.33043	0.0144	0.1304	0.1096	7.8000e-004		9.9100e-003	9.9100e-003		9.9100e-003	9.9100e-003		156.5213	156.5213	3.0000e-003	2.8700e-003	157.4514
Total		0.0154	0.1397	0.1135	8.4000e-004		0.0107	0.0107		0.0107	0.0107		168.4012	168.4012	3.2300e-003	3.0900e-003	169.4020

6.0 Area Detail

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-South Coast County, Summer

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

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.6271	0.0219	0.6109	1.3000e-003		0.0769	0.0769		0.0769	0.0769	9.3669	18.1909	27.5578	0.0282	6.4000e-004	28.4520
Unmitigated	4.6271	0.0219	0.6109	1.3000e-003		0.0769	0.0769		0.0769	0.0769	9.3669	18.1909	27.5578	0.0282	6.4000e-004	28.4520

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-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

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	0.4945					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.8663					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.2620	0.0208	0.5086	1.3000e-003		0.0764	0.0764		0.0764	0.0764	9.3669	18.0000	27.3669	0.0279	6.4000e-004	28.2547
Landscaping	4.3300e-003	1.1300e-003	0.1024	1.0000e-005		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004		0.1909	0.1909	2.6000e-004		0.1973
Total	4.6272	0.0219	0.6109	1.3100e-003		0.0769	0.0769		0.0769	0.0769	9.3669	18.1909	27.5578	0.0282	6.4000e-004	28.4520

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-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	0.4945					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.8663					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.2620	0.0208	0.5086	1.3000e-003		0.0764	0.0764		0.0764	0.0764	9.3669	18.0000	27.3669	0.0279	6.4000e-004	28.2547
Landscaping	4.3300e-003	1.1300e-003	0.1024	1.0000e-005		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004		0.1909	0.1909	2.6000e-004		0.1973
Total	4.6272	0.0219	0.6109	1.3100e-003		0.0769	0.0769		0.0769	0.0769	9.3669	18.1909	27.5578	0.0282	6.4000e-004	28.4520

7.0 Water Detail

7.1 Mitigation Measures Water

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-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

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-South Coast County, Winter

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

301 Tennessee Street Warehouse Project - Existing Uses

San Bernardino-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	193.47	1000sqft	4.44	193,469.00	0
Single Family Housing	1.00	Dwelling Unit	0.32	1,800.00	3

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2022
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 - Project site is currently developed with a single home and a 193,469 sq ft warehouse

Construction Phase - Operational run only

Grading -

Vehicle Trips - Based on trip generation for the proposed project, warehouse would have 919 ADT and single-family house would have 9 ADT

Fleet Mix - Based on fleet mix distribution from traffic analysis of 53 medium trucks and 161 heavy trucks. Default fleet mix for single-family house.

Energy Use - Using historical data

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	0.00
tblConstructionPhase	PhaseEndDate	12/5/2022	11/28/2022

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-South Coast County, Winter

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

tblEnergyUse	T24E	1,269.07	1,269.07
tblEnergyUse	T24NG	30,907.53	30,907.53
tblFleetMix	HHD	0.02	0.17
tblFleetMix	LDA	0.53	0.34
tblFleetMix	MH	5.3230e-003	0.00
tblFleetMix	MHD	0.01	0.06
tblFleetMix	OBUS	5.6900e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	UBUS	2.5700e-004	0.00
tblVehicleTrips	ST_TR	9.54	9.43
tblVehicleTrips	ST_TR	1.74	4.75
tblVehicleTrips	SU_TR	8.55	9.43
tblVehicleTrips	SU_TR	1.74	4.75
tblVehicleTrips	WD_TR	9.44	9.43
tblVehicleTrips	WD_TR	1.74	4.75

2.0 Emissions Summary

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-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	4.6271	0.0219	0.6109	1.3000e-003		0.0769	0.0769		0.0769	0.0769	9.3669	18.1909	27.5578	0.0282	6.4000e-004	28.4520
Energy	0.0154	0.1397	0.1135	8.4000e-004		0.0107	0.0107		0.0107	0.0107		168.4012	168.4012	3.2300e-003	3.0900e-003	169.4020
Mobile	3.5049	20.6090	36.6269	0.1291	8.6541	0.2220	8.8761	2.3329	0.2113	2.5442		13,580.9508	13,580.9508	0.6445	1.3956	14,012.9594
Total	8.1474	20.7706	37.3513	0.1312	8.6541	0.3096	8.9637	2.3329	0.2989	2.6318	9.3669	13,767.5429	13,776.9099	0.6759	1.3994	14,210.8134

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	4.6271	0.0219	0.6109	1.3000e-003		0.0769	0.0769		0.0769	0.0769	9.3669	18.1909	27.5578	0.0282	6.4000e-004	28.4520
Energy	0.0154	0.1397	0.1135	8.4000e-004		0.0107	0.0107		0.0107	0.0107		168.4012	168.4012	3.2300e-003	3.0900e-003	169.4020
Mobile	3.5049	20.6090	36.6269	0.1291	8.6541	0.2220	8.8761	2.3329	0.2113	2.5442		13,580.9508	13,580.9508	0.6445	1.3956	14,012.9594
Total	8.1474	20.7706	37.3513	0.1312	8.6541	0.3096	8.9637	2.3329	0.2989	2.6318	9.3669	13,767.5429	13,776.9099	0.6759	1.3994	14,210.8134

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-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	Site Preparation	Site Preparation	11/29/2022	11/28/2022	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	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
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-South Coast County, Winter

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	lb/day										lb/day					
Mitigated	3.5049	20.6090	36.6269	0.1291	8.6541	0.2220	8.8761	2.3329	0.2113	2.5442		13,580.9508	13,580.9508	0.6445	1.3956	14,012.9594
Unmitigated	3.5049	20.6090	36.6269	0.1291	8.6541	0.2220	8.8761	2.3329	0.2113	2.5442		13,580.9508	13,580.9508	0.6445	1.3956	14,012.9594

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	9.43	9.43	9.43	32,224	32,224
Unrefrigerated Warehouse-No Rail	918.98	918.98	918.98	3,938,478	3,938,478
Total	928.41	928.41	928.41	3,970,702	3,970,702

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
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-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
Single Family Housing	0.534251	0.055593	0.171990	0.141576	0.027719	0.007281	0.011628	0.017336	0.000569	0.000257	0.025522	0.000954	0.005323
Unrefrigerated Warehouse-No Rail	0.341319	0.055593	0.171990	0.141576	0.027719	0.007281	0.057000	0.172000	0.000000	0.000000	0.025522	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: Y

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	0.0154	0.1397	0.1135	8.4000e-004		0.0107	0.0107		0.0107	0.0107		168.4012	168.4012	3.2300e-003	3.0900e-003	169.4020
NaturalGas Unmitigated	0.0154	0.1397	0.1135	8.4000e-004		0.0107	0.0107		0.0107	0.0107		168.4012	168.4012	3.2300e-003	3.0900e-003	169.4020

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-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					
Single Family Housing	100.98	1.0900e-003	9.3100e-003	3.9600e-003	6.0000e-005		7.5000e-004	7.5000e-004		7.5000e-004	7.5000e-004		11.8800	11.8800	2.3000e-004	2.2000e-004	11.9506
Unrefrigerated Warehouse-No Rail	1330.43	0.0144	0.1304	0.1096	7.8000e-004		9.9100e-003	9.9100e-003		9.9100e-003	9.9100e-003		156.5213	156.5213	3.0000e-003	2.8700e-003	157.4514
Total		0.0154	0.1397	0.1135	8.4000e-004		0.0107	0.0107		0.0107	0.0107		168.4012	168.4012	3.2300e-003	3.0900e-003	169.4020

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					
Single Family Housing	0.10098	1.0900e-003	9.3100e-003	3.9600e-003	6.0000e-005		7.5000e-004	7.5000e-004		7.5000e-004	7.5000e-004		11.8800	11.8800	2.3000e-004	2.2000e-004	11.9506
Unrefrigerated Warehouse-No Rail	1.33043	0.0144	0.1304	0.1096	7.8000e-004		9.9100e-003	9.9100e-003		9.9100e-003	9.9100e-003		156.5213	156.5213	3.0000e-003	2.8700e-003	157.4514
Total		0.0154	0.1397	0.1135	8.4000e-004		0.0107	0.0107		0.0107	0.0107		168.4012	168.4012	3.2300e-003	3.0900e-003	169.4020

6.0 Area Detail

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-South Coast County, Winter

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

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.6271	0.0219	0.6109	1.3000e-003		0.0769	0.0769		0.0769	0.0769	9.3669	18.1909	27.5578	0.0282	6.4000e-004	28.4520
Unmitigated	4.6271	0.0219	0.6109	1.3000e-003		0.0769	0.0769		0.0769	0.0769	9.3669	18.1909	27.5578	0.0282	6.4000e-004	28.4520

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-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

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	0.4945					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.8663					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.2620	0.0208	0.5086	1.3000e-003		0.0764	0.0764		0.0764	0.0764	9.3669	18.0000	27.3669	0.0279	6.4000e-004	28.2547
Landscaping	4.3300e-003	1.1300e-003	0.1024	1.0000e-005		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004		0.1909	0.1909	2.6000e-004		0.1973
Total	4.6272	0.0219	0.6109	1.3100e-003		0.0769	0.0769		0.0769	0.0769	9.3669	18.1909	27.5578	0.0282	6.4000e-004	28.4520

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-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	0.4945					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.8663					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.2620	0.0208	0.5086	1.3000e-003		0.0764	0.0764		0.0764	0.0764	9.3669	18.0000	27.3669	0.0279	6.4000e-004	28.2547
Landscaping	4.3300e-003	1.1300e-003	0.1024	1.0000e-005		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004		0.1909	0.1909	2.6000e-004		0.1973
Total	4.6272	0.0219	0.6109	1.3100e-003		0.0769	0.0769		0.0769	0.0769	9.3669	18.1909	27.5578	0.0282	6.4000e-004	28.4520

7.0 Water Detail

7.1 Mitigation Measures Water

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-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
