

Norwalk Transit Village - Los Angeles-South Coast County, Winter

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

**Norwalk Transit Village**  
**Los Angeles-South Coast County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	3.62	Acre	3.62	157,687.20	0
Hotel	150.00	Room	5.00	217,800.00	0
Apartments Mid Rise	650.00	Dwelling Unit	17.11	650,000.00	1859
Condo/Townhouse	120.00	Dwelling Unit	7.50	120,000.00	343
Strip Mall	80.15	1000sqft	1.84	80,147.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	9			<b>Operational Year</b>	2026
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	390.98	<b>CH4 Intensity (lb/MW hr)</b>	0.033	<b>N2O Intensity (lb/MW hr)</b>	0.004

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

- Project Characteristics -
- Land Use - per PD and traffic study
- Construction Phase - per construction questionnaire
- Trips and VMT - 14cy/turck for hualing during grading
- On-road Fugitive Dust - \
- Demolition - per construction questionnaire
- Grading - per construction questionanire
- Architectural Coating - SCAQMD Rule 1113

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Vehicle Trips - Per trip generation table

Woodstoves - No wood burning device

Area Coating - Rule 1113

Energy Use -

Construction Off-road Equipment Mitigation - SCAQMD Rule 403

Area Mitigation - SCAQMD Rule 1113

Waste Mitigation - AB 341

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaCoating	Area_EF_Parking	100	50
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	50	100
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	50	100
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	50	100
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	50.00	120.00
tblConstructionPhase	NumDays	75.00	86.00
tblConstructionPhase	NumDays	55.00	175.00
tblConstructionPhase	NumDays	740.00	154.00
tblConstructionPhase	NumDays	55.00	87.00
tblConstructionPhase	PhaseEndDate	5/9/2024	8/15/2024
tblConstructionPhase	PhaseEndDate	8/22/2024	12/12/2024
tblConstructionPhase	PhaseEndDate	9/9/2027	1/30/2026
tblConstructionPhase	PhaseEndDate	6/24/2027	1/30/2026

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tblConstructionPhase	PhaseEndDate	11/25/2027	6/30/2026
tblConstructionPhase	PhaseStartDate	5/10/2024	8/15/2024
tblConstructionPhase	PhaseStartDate	6/25/2027	6/1/2025
tblConstructionPhase	PhaseStartDate	8/23/2024	7/1/2025
tblConstructionPhase	PhaseStartDate	9/10/2027	3/1/2026
tblFireplaces	NumberGas	552.50	585.00
tblFireplaces	NumberGas	102.00	107.00
tblFireplaces	NumberWood	32.50	0.00
tblFireplaces	NumberWood	6.00	0.00
tblGrading	MaterialImported	0.00	60,510.00
tblVehicleTrips	ST_TR	4.91	3.51
tblVehicleTrips	ST_TR	1.96	25.14
tblVehicleTrips	ST_TR	8.14	1.45
tblVehicleTrips	ST_TR	8.19	4.68
tblVehicleTrips	ST_TR	42.04	52.93
tblVehicleTrips	SU_TR	4.09	3.51
tblVehicleTrips	SU_TR	2.19	25.14
tblVehicleTrips	SU_TR	6.28	1.45
tblVehicleTrips	SU_TR	5.95	4.68
tblVehicleTrips	SU_TR	20.43	52.93
tblVehicleTrips	WD_TR	5.44	3.51
tblVehicleTrips	WD_TR	0.78	25.14
tblVehicleTrips	WD_TR	7.32	1.45
tblVehicleTrips	WD_TR	8.36	4.68
tblVehicleTrips	WD_TR	44.32	52.93
tblWoodstoves	NumberCatalytic	32.50	0.00
tblWoodstoves	NumberNoncatalytic	32.50	0.00

**2.0 Emissions Summary**

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**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					
2024	5.9019	75.5424	54.3516	0.1978	28.6743	2.4331	31.1074	6.9957	2.2522	9.2479	0.0000	20,391.75 56	20,391.75 56	3.5802	1.6463	20,971.84 65
2025	4.7161	28.8307	54.6302	0.1443	9.4224	1.0230	10.4454	2.5217	0.9532	3.4749	0.0000	14,506.71 98	14,506.71 98	1.5781	0.6003	14,725.06 93
2026	71.8455	28.6474	53.2608	0.1417	9.4225	1.0205	10.4429	2.5218	0.9509	3.4726	0.0000	14,246.88 23	14,246.88 23	1.5644	0.5831	14,459.75 41
<b>Maximum</b>	<b>71.8455</b>	<b>75.5424</b>	<b>54.6302</b>	<b>0.1978</b>	<b>28.6743</b>	<b>2.4331</b>	<b>31.1074</b>	<b>6.9957</b>	<b>2.2522</b>	<b>9.2479</b>	<b>0.0000</b>	<b>20,391.75 56</b>	<b>20,391.75 56</b>	<b>3.5802</b>	<b>1.6463</b>	<b>20,971.84 65</b>

**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					
2024	5.9019	75.5424	54.3516	0.1978	12.6618	2.4331	15.0948	3.1485	2.2522	5.4007	0.0000	20,391.75 56	20,391.75 56	3.5802	1.6463	20,971.84 65
2025	4.7161	28.8307	54.6302	0.1443	9.4224	1.0230	10.4454	2.5217	0.9532	3.4749	0.0000	14,506.71 98	14,506.71 98	1.5781	0.6003	14,725.06 93
2026	71.8455	28.6474	53.2608	0.1417	9.4225	1.0205	10.4429	2.5218	0.9509	3.4726	0.0000	14,246.88 23	14,246.88 23	1.5644	0.5831	14,459.75 41
<b>Maximum</b>	<b>71.8455</b>	<b>75.5424</b>	<b>54.6302</b>	<b>0.1978</b>	<b>12.6618</b>	<b>2.4331</b>	<b>15.0948</b>	<b>3.1485</b>	<b>2.2522</b>	<b>5.4007</b>	<b>0.0000</b>	<b>20,391.75 56</b>	<b>20,391.75 56</b>	<b>3.5802</b>	<b>1.6463</b>	<b>20,971.84 65</b>



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**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	29.3416	12.6901	97.7865	0.1726		6.0784	6.0784		6.0784	6.0784	708.1966	14,768.55 41	15,476.75 07	3.7012	0.2687	15,649.34 14
Energy	0.4651	4.0604	2.3189	0.0254		0.3214	0.3214		0.3214	0.3214		5,074.183 5	5,074.183 5	0.0973	0.0930	5,104.336 8
Mobile	17.5928	17.4017	161.0213	0.3367	38.7367	0.2515	38.9881	10.3192	0.2335	10.5527		34,354.60 71	34,354.60 71	2.5982	1.5901	34,893.39 62
<b>Total</b>	<b>47.3995</b>	<b>34.1522</b>	<b>261.1268</b>	<b>0.5347</b>	<b>38.7367</b>	<b>6.6512</b>	<b>45.3879</b>	<b>10.3192</b>	<b>6.6333</b>	<b>16.9524</b>	<b>708.1966</b>	<b>54,197.34 47</b>	<b>54,905.54 13</b>	<b>6.3967</b>	<b>1.9517</b>	<b>55,647.07 44</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	26.4812	12.2103	68.3743	0.0766		1.2803	1.2803		1.2803	1.2803	0.0000	14,768.55 41	14,768.55 41	0.3905	0.2687	14,858.37 79
Energy	0.4651	4.0604	2.3189	0.0254		0.3214	0.3214		0.3214	0.3214		5,074.183 5	5,074.183 5	0.0973	0.0930	5,104.336 8
Mobile	17.5928	17.4017	161.0213	0.3367	38.7367	0.2515	38.9881	10.3192	0.2335	10.5527		34,354.60 71	34,354.60 71	2.5982	1.5901	34,893.39 62
<b>Total</b>	<b>44.5391</b>	<b>33.6724</b>	<b>231.7146</b>	<b>0.4387</b>	<b>38.7367</b>	<b>1.8532</b>	<b>40.5898</b>	<b>10.3192</b>	<b>1.8352</b>	<b>12.1543</b>	<b>0.0000</b>	<b>54,197.34 47</b>	<b>54,197.34 47</b>	<b>3.0860</b>	<b>1.9517</b>	<b>54,856.11 09</b>

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	6.03	1.40	11.26	17.95	0.00	72.14	10.57	0.00	72.33	28.30	100.00	0.00	1.29	51.76	0.00	1.42

**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	3/1/2024	8/15/2024	5	120	
2	Grading	Grading	8/15/2024	12/12/2024	5	86	
3	Paving	Paving	6/1/2025	1/30/2026	5	175	
4	Building Construction	Building Construction	7/1/2025	1/30/2026	5	154	
5	Architectural Coating	Architectural Coating	3/1/2026	6/30/2026	5	87	

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

**Acres of Grading (Grading Phase): 258**

**Acres of Paving: 0**

**Residential Indoor: 1,559,250; Residential Outdoor: 519,750; Non-Residential Indoor: 446,921; Non-Residential Outdoor: 148,974; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

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



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Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
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
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

**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	8,957.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	7,564.00	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
Building Construction	9	738.00	157.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	148.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

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

**3.2 Demolition - 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					
Fugitive Dust					16.1538	0.0000	16.1538	2.4458	0.0000	2.4458			0.0000			0.0000
Off-Road	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922		3,747.4228	3,747.4228	1.0485		3,773.6345
<b>Total</b>	<b>2.2437</b>	<b>20.8781</b>	<b>19.7073</b>	<b>0.0388</b>	<b>16.1538</b>	<b>0.9602</b>	<b>17.1139</b>	<b>2.4458</b>	<b>0.8922</b>	<b>3.3380</b>		<b>3,747.4228</b>	<b>3,747.4228</b>	<b>1.0485</b>		<b>3,773.6345</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1504	10.1960	2.6810	0.0430	1.3066	0.0621	1.3687	0.3582	0.0594	0.4176		4,734.0468	4,734.0468	0.2662	0.7521	4,964.8159
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	0.0482	0.0330	0.4634	1.3700e-003	0.1677	9.7000e-004	0.1686	0.0445	8.9000e-004	0.0454		138.0884	138.0884	3.4700e-003	3.4400e-003	139.1997
<b>Total</b>	<b>0.1986</b>	<b>10.2290</b>	<b>3.1444</b>	<b>0.0444</b>	<b>1.4742</b>	<b>0.0631</b>	<b>1.5373</b>	<b>0.4027</b>	<b>0.0603</b>	<b>0.4630</b>		<b>4,872.1352</b>	<b>4,872.1352</b>	<b>0.2697</b>	<b>0.7555</b>	<b>5,104.0156</b>

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**3.2 Demolition - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.9850	0.0000	5.9850	0.9062	0.0000	0.9062			0.0000			0.0000
Off-Road	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922	0.0000	3,747.4228	3,747.4228	1.0485		3,773.6345
<b>Total</b>	<b>2.2437</b>	<b>20.8781</b>	<b>19.7073</b>	<b>0.0388</b>	<b>5.9850</b>	<b>0.9602</b>	<b>6.9451</b>	<b>0.9062</b>	<b>0.8922</b>	<b>1.7984</b>	<b>0.0000</b>	<b>3,747.4228</b>	<b>3,747.4228</b>	<b>1.0485</b>		<b>3,773.6345</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1504	10.1960	2.6810	0.0430	1.3066	0.0621	1.3687	0.3582	0.0594	0.4176		4,734.0468	4,734.0468	0.2662	0.7521	4,964.8159
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	0.0482	0.0330	0.4634	1.3700e-003	0.1677	9.7000e-004	0.1686	0.0445	8.9000e-004	0.0454		138.0884	138.0884	3.4700e-003	3.4400e-003	139.1997
<b>Total</b>	<b>0.1986</b>	<b>10.2290</b>	<b>3.1444</b>	<b>0.0444</b>	<b>1.4742</b>	<b>0.0631</b>	<b>1.5373</b>	<b>0.4027</b>	<b>0.0603</b>	<b>0.4630</b>		<b>4,872.1352</b>	<b>4,872.1352</b>	<b>0.2697</b>	<b>0.7555</b>	<b>5,104.0156</b>

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**3.3 Grading - 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					
Fugitive Dust					9.2832	0.0000	9.2832	3.6658	0.0000	3.6658			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286		6,009.7487	6,009.7487	1.9437		6,058.3405
<b>Total</b>	<b>3.2181</b>	<b>32.3770</b>	<b>27.7228</b>	<b>0.0621</b>	<b>9.2832</b>	<b>1.3354</b>	<b>10.6186</b>	<b>3.6658</b>	<b>1.2286</b>	<b>4.8944</b>		<b>6,009.7487</b>	<b>6,009.7487</b>	<b>1.9437</b>		<b>6,058.3405</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1772	12.0144	3.1592	0.0507	1.5396	0.0732	1.6128	0.4221	0.0700	0.4921		5,578.3310	5,578.3310	0.3137	0.8862	5,850.2563
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	0.0643	0.0440	0.6179	1.8200e-003	0.2236	1.2900e-003	0.2248	0.0593	1.1900e-003	0.0605		184.1179	184.1179	4.6300e-003	4.5800e-003	185.5996
<b>Total</b>	<b>0.2415</b>	<b>12.0584</b>	<b>3.7771</b>	<b>0.0525</b>	<b>1.7632</b>	<b>0.0745</b>	<b>1.8376</b>	<b>0.4814</b>	<b>0.0712</b>	<b>0.5526</b>		<b>5,762.4490</b>	<b>5,762.4490</b>	<b>0.3183</b>	<b>0.8908</b>	<b>6,035.8559</b>

Norwalk Transit Village - Los Angeles-South Coast County, Winter

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

**3.3 Grading - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.4394	0.0000	3.4394	1.3582	0.0000	1.3582			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286	0.0000	6,009.7487	6,009.7487	1.9437		6,058.3405
<b>Total</b>	<b>3.2181</b>	<b>32.3770</b>	<b>27.7228</b>	<b>0.0621</b>	<b>3.4394</b>	<b>1.3354</b>	<b>4.7748</b>	<b>1.3582</b>	<b>1.2286</b>	<b>2.5868</b>	<b>0.0000</b>	<b>6,009.7487</b>	<b>6,009.7487</b>	<b>1.9437</b>		<b>6,058.3405</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1772	12.0144	3.1592	0.0507	1.5396	0.0732	1.6128	0.4221	0.0700	0.4921		5,578.3310	5,578.3310	0.3137	0.8862	5,850.2563
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	0.0643	0.0440	0.6179	1.8200e-003	0.2236	1.2900e-003	0.2248	0.0593	1.1900e-003	0.0605		184.1179	184.1179	4.6300e-003	4.5800e-003	185.5996
<b>Total</b>	<b>0.2415</b>	<b>12.0584</b>	<b>3.7771</b>	<b>0.0525</b>	<b>1.7632</b>	<b>0.0745</b>	<b>1.8376</b>	<b>0.4814</b>	<b>0.0712</b>	<b>0.5526</b>		<b>5,762.4490</b>	<b>5,762.4490</b>	<b>0.3183</b>	<b>0.8908</b>	<b>6,035.8559</b>

Norwalk Transit Village - Los Angeles-South Coast County, Winter

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

**3.4 Paving - 2025**

**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	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9152</b>	<b>8.5816</b>	<b>14.5780</b>	<b>0.0228</b>		<b>0.4185</b>	<b>0.4185</b>		<b>0.3850</b>	<b>0.3850</b>		<b>2,206.745 2</b>	<b>2,206.745 2</b>	<b>0.7137</b>		<b>2,224.587 8</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0452	0.0296	0.4313	1.3200e-003	0.1677	9.2000e-004	0.1686	0.0445	8.5000e-004	0.0453		133.4008	133.4008	3.1400e-003	3.2100e-003	134.4357
<b>Total</b>	<b>0.0452</b>	<b>0.0296</b>	<b>0.4313</b>	<b>1.3200e-003</b>	<b>0.1677</b>	<b>9.2000e-004</b>	<b>0.1686</b>	<b>0.0445</b>	<b>8.5000e-004</b>	<b>0.0453</b>		<b>133.4008</b>	<b>133.4008</b>	<b>3.1400e-003</b>	<b>3.2100e-003</b>	<b>134.4357</b>

Norwalk Transit Village - Los Angeles-South Coast County, Winter

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

**3.4 Paving - 2025**

**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	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9152</b>	<b>8.5816</b>	<b>14.5780</b>	<b>0.0228</b>		<b>0.4185</b>	<b>0.4185</b>		<b>0.3850</b>	<b>0.3850</b>	<b>0.0000</b>	<b>2,206.745 2</b>	<b>2,206.745 2</b>	<b>0.7137</b>		<b>2,224.587 8</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0452	0.0296	0.4313	1.3200e-003	0.1677	9.2000e-004	0.1686	0.0445	8.5000e-004	0.0453		133.4008	133.4008	3.1400e-003	3.2100e-003	134.4357
<b>Total</b>	<b>0.0452</b>	<b>0.0296</b>	<b>0.4313</b>	<b>1.3200e-003</b>	<b>0.1677</b>	<b>9.2000e-004</b>	<b>0.1686</b>	<b>0.0445</b>	<b>8.5000e-004</b>	<b>0.0453</b>		<b>133.4008</b>	<b>133.4008</b>	<b>3.1400e-003</b>	<b>3.2100e-003</b>	<b>134.4357</b>

Norwalk Transit Village - Los Angeles-South Coast County, Winter

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

**3.4 Paving - 2026**

**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	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9152</b>	<b>8.5816</b>	<b>14.5780</b>	<b>0.0228</b>		<b>0.4185</b>	<b>0.4185</b>		<b>0.3850</b>	<b>0.3850</b>		<b>2,206.7452</b>	<b>2,206.7452</b>	<b>0.7137</b>		<b>2,224.5878</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0427	0.0269	0.4047	1.2800e-003	0.1677	8.7000e-004	0.1685	0.0445	8.0000e-004	0.0453		129.3495	129.3495	2.8500e-003	3.0200e-003	130.3220
<b>Total</b>	<b>0.0427</b>	<b>0.0269</b>	<b>0.4047</b>	<b>1.2800e-003</b>	<b>0.1677</b>	<b>8.7000e-004</b>	<b>0.1685</b>	<b>0.0445</b>	<b>8.0000e-004</b>	<b>0.0453</b>		<b>129.3495</b>	<b>129.3495</b>	<b>2.8500e-003</b>	<b>3.0200e-003</b>	<b>130.3220</b>



Norwalk Transit Village - Los Angeles-South Coast County, Winter

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

**3.4 Paving - 2026**

**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	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9152</b>	<b>8.5816</b>	<b>14.5780</b>	<b>0.0228</b>		<b>0.4185</b>	<b>0.4185</b>		<b>0.3850</b>	<b>0.3850</b>	<b>0.0000</b>	<b>2,206.745 2</b>	<b>2,206.745 2</b>	<b>0.7137</b>		<b>2,224.587 8</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0427	0.0269	0.4047	1.2800e-003	0.1677	8.7000e-004	0.1685	0.0445	8.0000e-004	0.0453		129.3495	129.3495	2.8500e-003	3.0200e-003	130.3220
<b>Total</b>	<b>0.0427</b>	<b>0.0269</b>	<b>0.4047</b>	<b>1.2800e-003</b>	<b>0.1677</b>	<b>8.7000e-004</b>	<b>0.1685</b>	<b>0.0445</b>	<b>8.0000e-004</b>	<b>0.0453</b>		<b>129.3495</b>	<b>129.3495</b>	<b>2.8500e-003</b>	<b>3.0200e-003</b>	<b>130.3220</b>

Norwalk Transit Village - Los Angeles-South Coast County, Winter

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

**3.5 Building Construction - 2025**

**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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>		<b>2,556.474 4</b>	<b>2,556.474 4</b>	<b>0.6010</b>		<b>2,571.498 1</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1636	6.2928	2.3147	0.0283	1.0057	0.0308	1.0364	0.2896	0.0294	0.3190		3,046.781 0	3,046.781 0	0.1060	0.4392	3,180.310 4
Worker	2.2247	1.4570	21.2216	0.0649	8.2491	0.0452	8.2943	2.1877	0.0416	2.2293		6,563.318 5	6,563.318 5	0.1543	0.1579	6,614.237 3
<b>Total</b>	<b>2.3883</b>	<b>7.7498</b>	<b>23.5363</b>	<b>0.0932</b>	<b>9.2548</b>	<b>0.0760</b>	<b>9.3308</b>	<b>2.4773</b>	<b>0.0710</b>	<b>2.5483</b>		<b>9,610.099 5</b>	<b>9,610.099 5</b>	<b>0.2603</b>	<b>0.5971</b>	<b>9,794.547 7</b>

Norwalk Transit Village - Los Angeles-South Coast County, Winter

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

**3.5 Building Construction - 2025**

**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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>	<b>0.0000</b>	<b>2,556.474 4</b>	<b>2,556.474 4</b>	<b>0.6010</b>		<b>2,571.498 1</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1636	6.2928	2.3147	0.0283	1.0057	0.0308	1.0364	0.2896	0.0294	0.3190		3,046.781 0	3,046.781 0	0.1060	0.4392	3,180.310 4
Worker	2.2247	1.4570	21.2216	0.0649	8.2491	0.0452	8.2943	2.1877	0.0416	2.2293		6,563.318 5	6,563.318 5	0.1543	0.1579	6,614.237 3
<b>Total</b>	<b>2.3883</b>	<b>7.7498</b>	<b>23.5363</b>	<b>0.0932</b>	<b>9.2548</b>	<b>0.0760</b>	<b>9.3308</b>	<b>2.4773</b>	<b>0.0710</b>	<b>2.5483</b>		<b>9,610.099 5</b>	<b>9,610.099 5</b>	<b>0.2603</b>	<b>0.5971</b>	<b>9,794.547 7</b>

Norwalk Transit Village - Los Angeles-South Coast County, Winter

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

**3.5 Building Construction - 2026**

**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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>		<b>2,556.474 4</b>	<b>2,556.474 4</b>	<b>0.6010</b>		<b>2,571.498 1</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1591	6.2473	2.2819	0.0277	1.0057	0.0307	1.0364	0.2896	0.0293	0.3189		2,990.316 9	2,990.316 9	0.1067	0.4313	3,121.503 4
Worker	2.0990	1.3219	19.9115	0.0630	8.2491	0.0429	8.2920	2.1877	0.0395	2.2272		6,363.996 3	6,363.996 3	0.1402	0.1488	6,411.842 8
<b>Total</b>	<b>2.2581</b>	<b>7.5692</b>	<b>22.1934</b>	<b>0.0907</b>	<b>9.2548</b>	<b>0.0735</b>	<b>9.3283</b>	<b>2.4773</b>	<b>0.0688</b>	<b>2.5461</b>		<b>9,354.313 2</b>	<b>9,354.313 2</b>	<b>0.2469</b>	<b>0.5801</b>	<b>9,533.346 2</b>

Norwalk Transit Village - Los Angeles-South Coast County, Winter

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

**3.5 Building Construction - 2026**

**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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>	<b>0.0000</b>	<b>2,556.474 4</b>	<b>2,556.474 4</b>	<b>0.6010</b>		<b>2,571.498 1</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1591	6.2473	2.2819	0.0277	1.0057	0.0307	1.0364	0.2896	0.0293	0.3189		2,990.316 9	2,990.316 9	0.1067	0.4313	3,121.503 4
Worker	2.0990	1.3219	19.9115	0.0630	8.2491	0.0429	8.2920	2.1877	0.0395	2.2272		6,363.996 3	6,363.996 3	0.1402	0.1488	6,411.842 8
<b>Total</b>	<b>2.2581</b>	<b>7.5692</b>	<b>22.1934</b>	<b>0.0907</b>	<b>9.2548</b>	<b>0.0735</b>	<b>9.3283</b>	<b>2.4773</b>	<b>0.0688</b>	<b>2.5461</b>		<b>9,354.313 2</b>	<b>9,354.313 2</b>	<b>0.2469</b>	<b>0.5801</b>	<b>9,533.346 2</b>

Norwalk Transit Village - Los Angeles-South Coast County, Winter

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

**3.6 Architectural Coating - 2026**

**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	71.2537					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>71.4245</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.4209	0.2651	3.9931	0.0126	1.6543	8.6000e-003	1.6629	0.4387	7.9100e-003	0.4466		1,276.2486	1,276.2486	0.0281	0.0298	1,285.8438
<b>Total</b>	<b>0.4209</b>	<b>0.2651</b>	<b>3.9931</b>	<b>0.0126</b>	<b>1.6543</b>	<b>8.6000e-003</b>	<b>1.6629</b>	<b>0.4387</b>	<b>7.9100e-003</b>	<b>0.4466</b>		<b>1,276.2486</b>	<b>1,276.2486</b>	<b>0.0281</b>	<b>0.0298</b>	<b>1,285.8438</b>

Norwalk Transit Village - Los Angeles-South Coast County, Winter

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

**3.6 Architectural Coating - 2026**

**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	71.2537					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>71.4245</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.4209	0.2651	3.9931	0.0126	1.6543	8.6000e-003	1.6629	0.4387	7.9100e-003	0.4466		1,276.2486	1,276.2486	0.0281	0.0298	1,285.8438
<b>Total</b>	<b>0.4209</b>	<b>0.2651</b>	<b>3.9931</b>	<b>0.0126</b>	<b>1.6543</b>	<b>8.6000e-003</b>	<b>1.6629</b>	<b>0.4387</b>	<b>7.9100e-003</b>	<b>0.4466</b>		<b>1,276.2486</b>	<b>1,276.2486</b>	<b>0.0281</b>	<b>0.0298</b>	<b>1,285.8438</b>

Norwalk Transit Village - Los Angeles-South Coast County, Winter

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

**4.0 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	17.5928	17.4017	161.0213	0.3367	38.7367	0.2515	38.9881	10.3192	0.2335	10.5527		34,354.60 71	34,354.60 71	2.5982	1.5901	34,893.39 62
Unmitigated	17.5928	17.4017	161.0213	0.3367	38.7367	0.2515	38.9881	10.3192	0.2335	10.5527		34,354.60 71	34,354.60 71	2.5982	1.5901	34,893.39 62

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	2,280.85	2,280.85	2280.85	7,794,011	7,794,011
City Park	91.00	91.00	91.00	261,855	261,855
Condo/Townhouse	174.00	174.00	174.00	594,584	594,584
Hotel	702.00	702.00	702.00	1,675,092	1,675,092
Strip Mall	4,242.02	4,242.02	4242.02	8,070,848	8,070,848
Total	7,489.87	7,489.87	7,489.87	18,396,390	18,396,390

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6



Norwalk Transit Village - Los Angeles-South Coast County, Winter

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

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
Condo/Townhouse	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.537891	0.065289	0.189998	0.126515	0.023567	0.006518	0.011114	0.008084	0.000933	0.000591	0.025474	0.000708	0.003318
City Park	0.537891	0.065289	0.189998	0.126515	0.023567	0.006518	0.011114	0.008084	0.000933	0.000591	0.025474	0.000708	0.003318
Condo/Townhouse	0.537891	0.065289	0.189998	0.126515	0.023567	0.006518	0.011114	0.008084	0.000933	0.000591	0.025474	0.000708	0.003318
Hotel	0.537891	0.065289	0.189998	0.126515	0.023567	0.006518	0.011114	0.008084	0.000933	0.000591	0.025474	0.000708	0.003318
Strip Mall	0.537891	0.065289	0.189998	0.126515	0.023567	0.006518	0.011114	0.008084	0.000933	0.000591	0.025474	0.000708	0.003318

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Norwalk Transit Village - Los Angeles-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.4651	4.0604	2.3189	0.0254		0.3214	0.3214		0.3214	0.3214		5,074.1835	5,074.1835	0.0973	0.0930	5,104.3368
NaturalGas Unmitigated	0.4651	4.0604	2.3189	0.0254		0.3214	0.3214		0.3214	0.3214		5,074.1835	5,074.1835	0.0973	0.0930	5,104.3368

**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					
Apartments Mid Rise	23269.3	0.2509	2.1444	0.9125	0.0137		0.1734	0.1734		0.1734	0.1734		2,737.5612	2,737.5612	0.0525	0.0502	2,753.8291
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
Condo/Townhouse	5313.55	0.0573	0.4897	0.2084	3.1300e-003		0.0396	0.0396		0.0396	0.0396		625.1240	625.1240	0.0120	0.0115	628.8388
Hotel	14189.8	0.1530	1.3912	1.1686	8.3500e-003		0.1057	0.1057		0.1057	0.1057		1,669.3905	1,669.3905	0.0320	0.0306	1,679.3108
Strip Mall	357.917	3.8600e-003	0.0351	0.0295	2.1000e-004		2.6700e-003	2.6700e-003		2.6700e-003	2.6700e-003		42.1079	42.1079	8.1000e-004	7.7000e-004	42.3581
<b>Total</b>		<b>0.4651</b>	<b>4.0604</b>	<b>2.3189</b>	<b>0.0254</b>		<b>0.3214</b>	<b>0.3214</b>		<b>0.3214</b>	<b>0.3214</b>		<b>5,074.1835</b>	<b>5,074.1835</b>	<b>0.0973</b>	<b>0.0930</b>	<b>5,104.3368</b>

Norwalk Transit Village - Los Angeles-South Coast County, Winter

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

**5.2 Energy by Land Use - NaturalGas**

**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					
Apartments Mid Rise	23.2693	0.2509	2.1444	0.9125	0.0137		0.1734	0.1734		0.1734	0.1734		2,737.5612	2,737.5612	0.0525	0.0502	2,753.8291
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
Condo/Townhouse	5.31355	0.0573	0.4897	0.2084	3.1300e-003		0.0396	0.0396		0.0396	0.0396		625.1240	625.1240	0.0120	0.0115	628.8388
Hotel	14.1898	0.1530	1.3912	1.1686	8.3500e-003		0.1057	0.1057		0.1057	0.1057		1,669.3905	1,669.3905	0.0320	0.0306	1,679.3108
Strip Mall	0.357917	3.8600e-003	0.0351	0.0295	2.1000e-004		2.6700e-003	2.6700e-003		2.6700e-003	2.6700e-003		42.1079	42.1079	8.1000e-004	7.7000e-004	42.3581
<b>Total</b>		<b>0.4651</b>	<b>4.0604</b>	<b>2.3189</b>	<b>0.0254</b>		<b>0.3214</b>	<b>0.3214</b>		<b>0.3214</b>	<b>0.3214</b>		<b>5,074.1835</b>	<b>5,074.1835</b>	<b>0.0973</b>	<b>0.0930</b>	<b>5,104.3368</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use only Natural Gas Hearths

Norwalk Transit Village - Los Angeles-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	26.4812	12.2103	68.3743	0.0766		1.2803	1.2803		1.2803	1.2803	0.0000	14,768.5541	14,768.5541	0.3905	0.2687	14,858.3779
Unmitigated	29.3416	12.6901	97.7865	0.1726		6.0784	6.0784		6.0784	6.0784	708.1966	14,768.5541	15,476.7507	3.7012	0.2687	15,649.3414

**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	1.6984					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	21.1535					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	4.5820	11.9589	34.2969	0.1692		5.7262	5.7262		5.7262	5.7262	708.1966	14,654.1177	15,362.3143	3.5916	0.2687	15,532.1632
Landscaping	1.9077	0.7313	63.4896	3.3600e-003		0.3522	0.3522		0.3522	0.3522		114.4364	114.4364	0.1097		117.1782
<b>Total</b>	<b>29.3416</b>	<b>12.6901</b>	<b>97.7865</b>	<b>0.1726</b>		<b>6.0784</b>	<b>6.0784</b>		<b>6.0784</b>	<b>6.0784</b>	<b>708.1966</b>	<b>14,768.5541</b>	<b>15,476.7507</b>	<b>3.7012</b>	<b>0.2687</b>	<b>15,649.3414</b>

Norwalk Transit Village - Los Angeles-South Coast County, Winter

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

**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	2.0767					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	21.1535					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.3433	11.4791	4.8847	0.0733		0.9281	0.9281		0.9281	0.9281	0.0000	14,654.1177	14,654.1177	0.2809	0.2687	14,741.1997
Landscaping	1.9077	0.7313	63.4896	3.3600e-003		0.3522	0.3522		0.3522	0.3522		114.4364	114.4364	0.1097		117.1782
<b>Total</b>	<b>26.4812</b>	<b>12.2103</b>	<b>68.3743</b>	<b>0.0766</b>		<b>1.2803</b>	<b>1.2803</b>		<b>1.2803</b>	<b>1.2803</b>	<b>0.0000</b>	<b>14,768.5541</b>	<b>14,768.5541</b>	<b>0.3905</b>	<b>0.2687</b>	<b>14,858.3779</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

Norwalk Transit Village - Los Angeles-South Coast County, Winter

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

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

**9.0 Operational Offroad**

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

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**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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**11.0 Vegetation**

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Norwalk Transit Village - Los Angeles-South Coast County, Summer

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

**Norwalk Transit Village  
Los Angeles-South Coast County, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	3.62	Acre	3.62	157,687.20	0
Hotel	150.00	Room	5.00	217,800.00	0
Apartments Mid Rise	650.00	Dwelling Unit	17.11	650,000.00	1859
Condo/Townhouse	120.00	Dwelling Unit	7.50	120,000.00	343
Strip Mall	80.15	1000sqft	1.84	80,147.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	9			<b>Operational Year</b>	2026
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MWhr)</b>	390.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

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

- Project Characteristics -
- Land Use - per PD and traffic study
- Construction Phase - per construction questionnaire
- Trips and VMT - 14cy/turck for hualing during grading
- On-road Fugitive Dust - \
- Demolition - per construction questionnaire
- Grading - per construction questionanire
- Architectural Coating - SCAQMD Rule 1113

Norwalk Transit Village - Los Angeles-South Coast County, Summer

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

Vehicle Trips - Per trip generation table

Woodstoves - No wood burning device

Area Coating - Rule 1113

Energy Use -

Construction Off-road Equipment Mitigation - SCAQMD Rule 403

Area Mitigation - SCAQMD Rule 1113

Waste Mitigation - AB 341

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaCoating	Area_EF_Parking	100	50
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	50	100
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	50	100
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	50	100
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	50.00	120.00
tblConstructionPhase	NumDays	75.00	86.00
tblConstructionPhase	NumDays	55.00	175.00
tblConstructionPhase	NumDays	740.00	154.00
tblConstructionPhase	NumDays	55.00	87.00
tblConstructionPhase	PhaseEndDate	5/9/2024	8/15/2024
tblConstructionPhase	PhaseEndDate	8/22/2024	12/12/2024
tblConstructionPhase	PhaseEndDate	9/9/2027	1/30/2026
tblConstructionPhase	PhaseEndDate	6/24/2027	1/30/2026



Norwalk Transit Village - Los Angeles-South Coast County, Summer

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

tblConstructionPhase	PhaseEndDate	11/25/2027	6/30/2026
tblConstructionPhase	PhaseStartDate	5/10/2024	8/15/2024
tblConstructionPhase	PhaseStartDate	6/25/2027	6/1/2025
tblConstructionPhase	PhaseStartDate	8/23/2024	7/1/2025
tblConstructionPhase	PhaseStartDate	9/10/2027	3/1/2026
tblFireplaces	NumberGas	552.50	585.00
tblFireplaces	NumberGas	102.00	107.00
tblFireplaces	NumberWood	32.50	0.00
tblFireplaces	NumberWood	6.00	0.00
tblGrading	MaterialImported	0.00	60,510.00
tblVehicleTrips	ST_TR	4.91	3.51
tblVehicleTrips	ST_TR	1.96	25.14
tblVehicleTrips	ST_TR	8.14	1.45
tblVehicleTrips	ST_TR	8.19	4.68
tblVehicleTrips	ST_TR	42.04	52.93
tblVehicleTrips	SU_TR	4.09	3.51
tblVehicleTrips	SU_TR	2.19	25.14
tblVehicleTrips	SU_TR	6.28	1.45
tblVehicleTrips	SU_TR	5.95	4.68
tblVehicleTrips	SU_TR	20.43	52.93
tblVehicleTrips	WD_TR	5.44	3.51
tblVehicleTrips	WD_TR	0.78	25.14
tblVehicleTrips	WD_TR	7.32	1.45
tblVehicleTrips	WD_TR	8.36	4.68
tblVehicleTrips	WD_TR	44.32	52.93
tblWoodstoves	NumberCatalytic	32.50	0.00
tblWoodstoves	NumberNoncatalytic	32.50	0.00

**2.0 Emissions Summary**

Norwalk Transit Village - Los Angeles-South Coast County, Summer

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

Norwalk Transit Village - Los Angeles-South Coast County, Summer

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

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

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	5.9165	74.5963	54.3686	0.1979	28.6743	2.4327	31.1070	6.9957	2.2519	9.2476	0.0000	20,398.64 64	20,398.64 64	3.5813	1.6440	20,978.07 97
2025	4.5515	28.4077	56.4239	0.1479	9.4224	1.0228	10.4453	2.5217	0.9530	3.4748	0.0000	14,872.53 31	14,872.53 31	1.5761	0.5890	15,087.45 70
2026	71.8124	28.2391	54.9274	0.1452	9.4225	1.0203	10.4428	2.5218	0.9507	3.4725	0.0000	14,600.81 10	14,600.81 10	1.5624	0.5724	14,810.45 38
<b>Maximum</b>	<b>71.8124</b>	<b>74.5963</b>	<b>56.4239</b>	<b>0.1979</b>	<b>28.6743</b>	<b>2.4327</b>	<b>31.1070</b>	<b>6.9957</b>	<b>2.2519</b>	<b>9.2476</b>	<b>0.0000</b>	<b>20,398.64 64</b>	<b>20,398.64 64</b>	<b>3.5813</b>	<b>1.6440</b>	<b>20,978.07 97</b>

**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					
2024	5.9165	74.5963	54.3686	0.1979	12.6618	2.4327	15.0945	3.1485	2.2519	5.4004	0.0000	20,398.64 64	20,398.64 64	3.5813	1.6440	20,978.07 97
2025	4.5515	28.4077	56.4239	0.1479	9.4224	1.0228	10.4453	2.5217	0.9530	3.4748	0.0000	14,872.53 31	14,872.53 31	1.5761	0.5890	15,087.45 70
2026	71.8124	28.2391	54.9274	0.1452	9.4225	1.0203	10.4428	2.5218	0.9507	3.4725	0.0000	14,600.81 10	14,600.81 10	1.5624	0.5724	14,810.45 38
<b>Maximum</b>	<b>71.8124</b>	<b>74.5963</b>	<b>56.4239</b>	<b>0.1979</b>	<b>12.6618</b>	<b>2.4327</b>	<b>15.0945</b>	<b>3.1485</b>	<b>2.2519</b>	<b>5.4004</b>	<b>0.0000</b>	<b>20,398.64 64</b>	<b>20,398.64 64</b>	<b>3.5813</b>	<b>1.6440</b>	<b>20,978.07 97</b>



Norwalk Transit Village - Los Angeles-South Coast County, Summer

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

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	29.3416	12.6901	97.7865	0.1726		6.0784	6.0784		6.0784	6.0784	708.1966	14,768.55 41	15,476.75 07	3.7012	0.2687	15,649.34 14
Energy	0.4651	4.0604	2.3189	0.0254		0.3214	0.3214		0.3214	0.3214		5,074.183 5	5,074.183 5	0.0973	0.0930	5,104.336 8
Mobile	18.0110	16.1269	162.1945	0.3513	38.7367	0.2513	38.9880	10.3192	0.2334	10.5525		35,834.87 71	35,834.87 71	2.5108	1.5233	36,351.58 55
<b>Total</b>	<b>47.8177</b>	<b>32.8774</b>	<b>262.3000</b>	<b>0.5493</b>	<b>38.7367</b>	<b>6.6511</b>	<b>45.3878</b>	<b>10.3192</b>	<b>6.6331</b>	<b>16.9523</b>	<b>708.1966</b>	<b>55,677.61 47</b>	<b>56,385.81 13</b>	<b>6.3093</b>	<b>1.8850</b>	<b>57,105.26 38</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	26.4812	12.2103	68.3743	0.0766		1.2803	1.2803		1.2803	1.2803	0.0000	14,768.55 41	14,768.55 41	0.3905	0.2687	14,858.37 79
Energy	0.4651	4.0604	2.3189	0.0254		0.3214	0.3214		0.3214	0.3214		5,074.183 5	5,074.183 5	0.0973	0.0930	5,104.336 8
Mobile	18.0110	16.1269	162.1945	0.3513	38.7367	0.2513	38.9880	10.3192	0.2334	10.5525		35,834.87 71	35,834.87 71	2.5108	1.5233	36,351.58 55
<b>Total</b>	<b>44.9574</b>	<b>32.3976</b>	<b>232.8877</b>	<b>0.4533</b>	<b>38.7367</b>	<b>1.8530</b>	<b>40.5897</b>	<b>10.3192</b>	<b>1.8351</b>	<b>12.1542</b>	<b>0.0000</b>	<b>55,677.61 47</b>	<b>55,677.61 47</b>	<b>2.9986</b>	<b>1.8850</b>	<b>56,314.30 03</b>

Norwalk Transit Village - Los Angeles-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	5.98	1.46	11.21	17.47	0.00	72.14	10.57	0.00	72.34	28.30	100.00	0.00	1.26	52.47	0.00	1.39

**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	3/1/2024	8/15/2024	5	120	
2	Grading	Grading	8/15/2024	12/12/2024	5	86	
3	Paving	Paving	6/1/2025	1/30/2026	5	175	
4	Building Construction	Building Construction	7/1/2025	1/30/2026	5	154	
5	Architectural Coating	Architectural Coating	3/1/2026	6/30/2026	5	87	

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

**Acres of Grading (Grading Phase): 258**

**Acres of Paving: 0**

**Residential Indoor: 1,559,250; Residential Outdoor: 519,750; Non-Residential Indoor: 446,921; Non-Residential Outdoor: 148,974; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

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

Norwalk Transit Village - Los Angeles-South Coast County, Summer

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

Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
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
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

**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	8,957.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	7,564.00	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
Building Construction	9	738.00	157.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	148.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Norwalk Transit Village - Los Angeles-South Coast County, Summer

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

**3.2 Demolition - 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					
Fugitive Dust					16.1538	0.0000	16.1538	2.4458	0.0000	2.4458			0.0000			0.0000
Off-Road	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922		3,747.4228	3,747.4228	1.0485		3,773.6345
<b>Total</b>	<b>2.2437</b>	<b>20.8781</b>	<b>19.7073</b>	<b>0.0388</b>	<b>16.1538</b>	<b>0.9602</b>	<b>17.1139</b>	<b>2.4458</b>	<b>0.8922</b>	<b>3.3380</b>		<b>3,747.4228</b>	<b>3,747.4228</b>	<b>1.0485</b>		<b>3,773.6345</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1608	9.7650	2.6456	0.0430	1.3066	0.0619	1.3685	0.3582	0.0593	0.4175		4,728.9932	4,728.9932	0.2668	0.7512	4,959.5315
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	0.0447	0.0299	0.5037	1.4400e-003	0.1677	9.7000e-004	0.1686	0.0445	8.9000e-004	0.0454		145.7595	145.7595	3.4200e-003	3.2200e-003	146.8045
<b>Total</b>	<b>0.2055</b>	<b>9.7949</b>	<b>3.1494</b>	<b>0.0444</b>	<b>1.4742</b>	<b>0.0629</b>	<b>1.5371</b>	<b>0.4027</b>	<b>0.0601</b>	<b>0.4628</b>		<b>4,874.7527</b>	<b>4,874.7527</b>	<b>0.2702</b>	<b>0.7545</b>	<b>5,106.3360</b>



Norwalk Transit Village - Los Angeles-South Coast County, Summer

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

**3.2 Demolition - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.9850	0.0000	5.9850	0.9062	0.0000	0.9062			0.0000			0.0000
Off-Road	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922	0.0000	3,747.4228	3,747.4228	1.0485		3,773.6345
<b>Total</b>	<b>2.2437</b>	<b>20.8781</b>	<b>19.7073</b>	<b>0.0388</b>	<b>5.9850</b>	<b>0.9602</b>	<b>6.9451</b>	<b>0.9062</b>	<b>0.8922</b>	<b>1.7984</b>	<b>0.0000</b>	<b>3,747.4228</b>	<b>3,747.4228</b>	<b>1.0485</b>		<b>3,773.6345</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1608	9.7650	2.6456	0.0430	1.3066	0.0619	1.3685	0.3582	0.0593	0.4175		4,728.9932	4,728.9932	0.2668	0.7512	4,959.5315
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	0.0447	0.0299	0.5037	1.4400e-003	0.1677	9.7000e-004	0.1686	0.0445	8.9000e-004	0.0454		145.7595	145.7595	3.4200e-003	3.2200e-003	146.8045
<b>Total</b>	<b>0.2055</b>	<b>9.7949</b>	<b>3.1494</b>	<b>0.0444</b>	<b>1.4742</b>	<b>0.0629</b>	<b>1.5371</b>	<b>0.4027</b>	<b>0.0601</b>	<b>0.4628</b>		<b>4,874.7527</b>	<b>4,874.7527</b>	<b>0.2702</b>	<b>0.7545</b>	<b>5,106.3360</b>

Norwalk Transit Village - Los Angeles-South Coast County, Summer

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

**3.3 Grading - 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					
Fugitive Dust					9.2832	0.0000	9.2832	3.6658	0.0000	3.6658			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286		6,009.7487	6,009.7487	1.9437		6,058.3405
<b>Total</b>	<b>3.2181</b>	<b>32.3770</b>	<b>27.7228</b>	<b>0.0621</b>	<b>9.2832</b>	<b>1.3354</b>	<b>10.6186</b>	<b>3.6658</b>	<b>1.2286</b>	<b>4.8944</b>		<b>6,009.7487</b>	<b>6,009.7487</b>	<b>1.9437</b>		<b>6,058.3405</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1895	11.5065	3.1175	0.0506	1.5396	0.0730	1.6126	0.4221	0.0698	0.4919		5,572.3762	5,572.3762	0.3144	0.8852	5,844.0294
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0596	0.0398	0.6717	1.9200e-003	0.2236	1.2900e-003	0.2248	0.0593	1.1900e-003	0.0605		194.3460	194.3460	4.5600e-003	4.2900e-003	195.7393
<b>Total</b>	<b>0.2491</b>	<b>11.5464</b>	<b>3.7891</b>	<b>0.0526</b>	<b>1.7632</b>	<b>0.0743</b>	<b>1.8374</b>	<b>0.4814</b>	<b>0.0710</b>	<b>0.5524</b>		<b>5,766.7223</b>	<b>5,766.7223</b>	<b>0.3189</b>	<b>0.8895</b>	<b>6,039.7687</b>

Norwalk Transit Village - Los Angeles-South Coast County, Summer

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

**3.3 Grading - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.4394	0.0000	3.4394	1.3582	0.0000	1.3582			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286	0.0000	6,009.7487	6,009.7487	1.9437		6,058.3405
<b>Total</b>	<b>3.2181</b>	<b>32.3770</b>	<b>27.7228</b>	<b>0.0621</b>	<b>3.4394</b>	<b>1.3354</b>	<b>4.7748</b>	<b>1.3582</b>	<b>1.2286</b>	<b>2.5868</b>	<b>0.0000</b>	<b>6,009.7487</b>	<b>6,009.7487</b>	<b>1.9437</b>		<b>6,058.3405</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1895	11.5065	3.1175	0.0506	1.5396	0.0730	1.6126	0.4221	0.0698	0.4919		5,572.3762	5,572.3762	0.3144	0.8852	5,844.0294
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0596	0.0398	0.6717	1.9200e-003	0.2236	1.2900e-003	0.2248	0.0593	1.1900e-003	0.0605		194.3460	194.3460	4.5600e-003	4.2900e-003	195.7393
<b>Total</b>	<b>0.2491</b>	<b>11.5464</b>	<b>3.7891</b>	<b>0.0526</b>	<b>1.7632</b>	<b>0.0743</b>	<b>1.8374</b>	<b>0.4814</b>	<b>0.0710</b>	<b>0.5524</b>		<b>5,766.7223</b>	<b>5,766.7223</b>	<b>0.3189</b>	<b>0.8895</b>	<b>6,039.7687</b>

Norwalk Transit Village - Los Angeles-South Coast County, Summer

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

**3.4 Paving - 2025**

**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	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9152</b>	<b>8.5816</b>	<b>14.5780</b>	<b>0.0228</b>		<b>0.4185</b>	<b>0.4185</b>		<b>0.3850</b>	<b>0.3850</b>		<b>2,206.745 2</b>	<b>2,206.745 2</b>	<b>0.7137</b>		<b>2,224.587 8</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0418	0.0268	0.4685	1.3900e-003	0.1677	9.2000e-004	0.1686	0.0445	8.5000e-004	0.0453		140.7941	140.7941	3.0900e-003	3.0100e-003	141.7673
<b>Total</b>	<b>0.0418</b>	<b>0.0268</b>	<b>0.4685</b>	<b>1.3900e-003</b>	<b>0.1677</b>	<b>9.2000e-004</b>	<b>0.1686</b>	<b>0.0445</b>	<b>8.5000e-004</b>	<b>0.0453</b>		<b>140.7941</b>	<b>140.7941</b>	<b>3.0900e-003</b>	<b>3.0100e-003</b>	<b>141.7673</b>

Norwalk Transit Village - Los Angeles-South Coast County, Summer

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

**3.4 Paving - 2025**

**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	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9152</b>	<b>8.5816</b>	<b>14.5780</b>	<b>0.0228</b>		<b>0.4185</b>	<b>0.4185</b>		<b>0.3850</b>	<b>0.3850</b>	<b>0.0000</b>	<b>2,206.745 2</b>	<b>2,206.745 2</b>	<b>0.7137</b>		<b>2,224.587 8</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0418	0.0268	0.4685	1.3900e-003	0.1677	9.2000e-004	0.1686	0.0445	8.5000e-004	0.0453		140.7941	140.7941	3.0900e-003	3.0100e-003	141.7673
<b>Total</b>	<b>0.0418</b>	<b>0.0268</b>	<b>0.4685</b>	<b>1.3900e-003</b>	<b>0.1677</b>	<b>9.2000e-004</b>	<b>0.1686</b>	<b>0.0445</b>	<b>8.5000e-004</b>	<b>0.0453</b>		<b>140.7941</b>	<b>140.7941</b>	<b>3.0900e-003</b>	<b>3.0100e-003</b>	<b>141.7673</b>

Norwalk Transit Village - Los Angeles-South Coast County, Summer

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

**3.4 Paving - 2026**

**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	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9152</b>	<b>8.5816</b>	<b>14.5780</b>	<b>0.0228</b>		<b>0.4185</b>	<b>0.4185</b>		<b>0.3850</b>	<b>0.3850</b>		<b>2,206.745 2</b>	<b>2,206.745 2</b>	<b>0.7137</b>		<b>2,224.587 8</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0393	0.0243	0.4393	1.3500e-003	0.1677	8.7000e-004	0.1685	0.0445	8.0000e-004	0.0453		136.5058	136.5058	2.8000e-003	2.8300e-003	137.4203
<b>Total</b>	<b>0.0393</b>	<b>0.0243</b>	<b>0.4393</b>	<b>1.3500e-003</b>	<b>0.1677</b>	<b>8.7000e-004</b>	<b>0.1685</b>	<b>0.0445</b>	<b>8.0000e-004</b>	<b>0.0453</b>		<b>136.5058</b>	<b>136.5058</b>	<b>2.8000e-003</b>	<b>2.8300e-003</b>	<b>137.4203</b>

Norwalk Transit Village - Los Angeles-South Coast County, Summer

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

**3.4 Paving - 2026**

**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	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9152</b>	<b>8.5816</b>	<b>14.5780</b>	<b>0.0228</b>		<b>0.4185</b>	<b>0.4185</b>		<b>0.3850</b>	<b>0.3850</b>	<b>0.0000</b>	<b>2,206.745 2</b>	<b>2,206.745 2</b>	<b>0.7137</b>		<b>2,224.587 8</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0393	0.0243	0.4393	1.3500e-003	0.1677	8.7000e-004	0.1685	0.0445	8.0000e-004	0.0453		136.5058	136.5058	2.8000e-003	2.8300e-003	137.4203
<b>Total</b>	<b>0.0393</b>	<b>0.0243</b>	<b>0.4393</b>	<b>1.3500e-003</b>	<b>0.1677</b>	<b>8.7000e-004</b>	<b>0.1685</b>	<b>0.0445</b>	<b>8.0000e-004</b>	<b>0.0453</b>		<b>136.5058</b>	<b>136.5058</b>	<b>2.8000e-003</b>	<b>2.8300e-003</b>	<b>137.4203</b>

Norwalk Transit Village - Los Angeles-South Coast County, Summer

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

**3.5 Building Construction - 2025**

**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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>		<b>2,556.474 4</b>	<b>2,556.474 4</b>	<b>0.6010</b>		<b>2,571.498 1</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1703	6.0099	2.2429	0.0282	1.0057	0.0306	1.0363	0.2896	0.0293	0.3188		3,041.449 3	3,041.449 3	0.1065	0.4381	3,174.650 6
Worker	2.0568	1.3197	23.0499	0.0685	8.2491	0.0452	8.2943	2.1877	0.0416	2.2293		6,927.070 1	6,927.070 1	0.1518	0.1480	6,974.953 2
<b>Total</b>	<b>2.2272</b>	<b>7.3296</b>	<b>25.2928</b>	<b>0.0967</b>	<b>9.2548</b>	<b>0.0758</b>	<b>9.3306</b>	<b>2.4773</b>	<b>0.0709</b>	<b>2.5482</b>		<b>9,968.519 5</b>	<b>9,968.519 5</b>	<b>0.2583</b>	<b>0.5860</b>	<b>10,149.60 38</b>



Norwalk Transit Village - Los Angeles-South Coast County, Summer

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

**3.5 Building Construction - 2025**

**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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>	<b>0.0000</b>	<b>2,556.474 4</b>	<b>2,556.474 4</b>	<b>0.6010</b>		<b>2,571.498 1</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1703	6.0099	2.2429	0.0282	1.0057	0.0306	1.0363	0.2896	0.0293	0.3188		3,041.449 3	3,041.449 3	0.1065	0.4381	3,174.650 6
Worker	2.0568	1.3197	23.0499	0.0685	8.2491	0.0452	8.2943	2.1877	0.0416	2.2293		6,927.070 1	6,927.070 1	0.1518	0.1480	6,974.953 2
<b>Total</b>	<b>2.2272</b>	<b>7.3296</b>	<b>25.2928</b>	<b>0.0967</b>	<b>9.2548</b>	<b>0.0758</b>	<b>9.3306</b>	<b>2.4773</b>	<b>0.0709</b>	<b>2.5482</b>		<b>9,968.519 5</b>	<b>9,968.519 5</b>	<b>0.2583</b>	<b>0.5860</b>	<b>10,149.60 38</b>

Norwalk Transit Village - Los Angeles-South Coast County, Summer

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

**3.5 Building Construction - 2026**

**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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>		<b>2,556.474 4</b>	<b>2,556.474 4</b>	<b>0.6010</b>		<b>2,571.498 1</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1660	5.9659	2.2110	0.0277	1.0057	0.0305	1.0362	0.2896	0.0292	0.3188		2,985.000 6	2,985.000 6	0.1072	0.4302	3,115.867 1
Worker	1.9339	1.1976	21.6145	0.0664	8.2491	0.0429	8.2920	2.1877	0.0395	2.2272		6,716.085 1	6,716.085 1	0.1378	0.1394	6,761.080 5
<b>Total</b>	<b>2.0999</b>	<b>7.1634</b>	<b>23.8255</b>	<b>0.0941</b>	<b>9.2548</b>	<b>0.0734</b>	<b>9.3282</b>	<b>2.4773</b>	<b>0.0686</b>	<b>2.5459</b>		<b>9,701.085 7</b>	<b>9,701.085 7</b>	<b>0.2450</b>	<b>0.5696</b>	<b>9,876.947 6</b>

Norwalk Transit Village - Los Angeles-South Coast County, Summer

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

**3.5 Building Construction - 2026**

**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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>	<b>0.0000</b>	<b>2,556.474 4</b>	<b>2,556.474 4</b>	<b>0.6010</b>		<b>2,571.498 1</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1660	5.9659	2.2110	0.0277	1.0057	0.0305	1.0362	0.2896	0.0292	0.3188		2,985.000 6	2,985.000 6	0.1072	0.4302	3,115.867 1
Worker	1.9339	1.1976	21.6145	0.0664	8.2491	0.0429	8.2920	2.1877	0.0395	2.2272		6,716.085 1	6,716.085 1	0.1378	0.1394	6,761.080 5
<b>Total</b>	<b>2.0999</b>	<b>7.1634</b>	<b>23.8255</b>	<b>0.0941</b>	<b>9.2548</b>	<b>0.0734</b>	<b>9.3282</b>	<b>2.4773</b>	<b>0.0686</b>	<b>2.5459</b>		<b>9,701.085 7</b>	<b>9,701.085 7</b>	<b>0.2450</b>	<b>0.5696</b>	<b>9,876.947 6</b>

Norwalk Transit Village - Los Angeles-South Coast County, Summer

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

**3.6 Architectural Coating - 2026**

**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	71.2537					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>71.4245</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.3878	0.2402	4.3346	0.0133	1.6543	8.6000e-003	1.6629	0.4387	7.9100e-003	0.4466		1,346.8572	1,346.8572	0.0276	0.0280	1,355.8807
<b>Total</b>	<b>0.3878</b>	<b>0.2402</b>	<b>4.3346</b>	<b>0.0133</b>	<b>1.6543</b>	<b>8.6000e-003</b>	<b>1.6629</b>	<b>0.4387</b>	<b>7.9100e-003</b>	<b>0.4466</b>		<b>1,346.8572</b>	<b>1,346.8572</b>	<b>0.0276</b>	<b>0.0280</b>	<b>1,355.8807</b>

Norwalk Transit Village - Los Angeles-South Coast County, Summer

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

**3.6 Architectural Coating - 2026**

**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	71.2537					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>71.4245</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.3878	0.2402	4.3346	0.0133	1.6543	8.6000e-003	1.6629	0.4387	7.9100e-003	0.4466		1,346.8572	1,346.8572	0.0276	0.0280	1,355.8807
<b>Total</b>	<b>0.3878</b>	<b>0.2402</b>	<b>4.3346</b>	<b>0.0133</b>	<b>1.6543</b>	<b>8.6000e-003</b>	<b>1.6629</b>	<b>0.4387</b>	<b>7.9100e-003</b>	<b>0.4466</b>		<b>1,346.8572</b>	<b>1,346.8572</b>	<b>0.0276</b>	<b>0.0280</b>	<b>1,355.8807</b>

Norwalk Transit Village - Los Angeles-South Coast County, Summer

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

**4.0 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	18.0110	16.1269	162.1945	0.3513	38.7367	0.2513	38.9880	10.3192	0.2334	10.5525		35,834.87 71	35,834.87 71	2.5108	1.5233	36,351.58 55
Unmitigated	18.0110	16.1269	162.1945	0.3513	38.7367	0.2513	38.9880	10.3192	0.2334	10.5525		35,834.87 71	35,834.87 71	2.5108	1.5233	36,351.58 55

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	2,280.85	2,280.85	2280.85	7,794,011	7,794,011
City Park	91.00	91.00	91.00	261,855	261,855
Condo/Townhouse	174.00	174.00	174.00	594,584	594,584
Hotel	702.00	702.00	702.00	1,675,092	1,675,092
Strip Mall	4,242.02	4,242.02	4242.02	8,070,848	8,070,848
Total	7,489.87	7,489.87	7,489.87	18,396,390	18,396,390

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6

Norwalk Transit Village - Los Angeles-South Coast County, Summer

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

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
Condo/Townhouse	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.537891	0.065289	0.189998	0.126515	0.023567	0.006518	0.011114	0.008084	0.000933	0.000591	0.025474	0.000708	0.003318
City Park	0.537891	0.065289	0.189998	0.126515	0.023567	0.006518	0.011114	0.008084	0.000933	0.000591	0.025474	0.000708	0.003318
Condo/Townhouse	0.537891	0.065289	0.189998	0.126515	0.023567	0.006518	0.011114	0.008084	0.000933	0.000591	0.025474	0.000708	0.003318
Hotel	0.537891	0.065289	0.189998	0.126515	0.023567	0.006518	0.011114	0.008084	0.000933	0.000591	0.025474	0.000708	0.003318
Strip Mall	0.537891	0.065289	0.189998	0.126515	0.023567	0.006518	0.011114	0.008084	0.000933	0.000591	0.025474	0.000708	0.003318

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Norwalk Transit Village - Los Angeles-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.4651	4.0604	2.3189	0.0254		0.3214	0.3214		0.3214	0.3214		5,074.1835	5,074.1835	0.0973	0.0930	5,104.3368
NaturalGas Unmitigated	0.4651	4.0604	2.3189	0.0254		0.3214	0.3214		0.3214	0.3214		5,074.1835	5,074.1835	0.0973	0.0930	5,104.3368

**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					
Apartments Mid Rise	23269.3	0.2509	2.1444	0.9125	0.0137		0.1734	0.1734		0.1734	0.1734		2,737.5612	2,737.5612	0.0525	0.0502	2,753.8291
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
Condo/Townhouse	5313.55	0.0573	0.4897	0.2084	3.1300e-003		0.0396	0.0396		0.0396	0.0396		625.1240	625.1240	0.0120	0.0115	628.8388
Hotel	14189.8	0.1530	1.3912	1.1686	8.3500e-003		0.1057	0.1057		0.1057	0.1057		1,669.3905	1,669.3905	0.0320	0.0306	1,679.3108
Strip Mall	357.917	3.8600e-003	0.0351	0.0295	2.1000e-004		2.6700e-003	2.6700e-003		2.6700e-003	2.6700e-003		42.1079	42.1079	8.1000e-004	7.7000e-004	42.3581
<b>Total</b>		<b>0.4651</b>	<b>4.0604</b>	<b>2.3189</b>	<b>0.0254</b>		<b>0.3214</b>	<b>0.3214</b>		<b>0.3214</b>	<b>0.3214</b>		<b>5,074.1835</b>	<b>5,074.1835</b>	<b>0.0973</b>	<b>0.0930</b>	<b>5,104.3368</b>



Norwalk Transit Village - Los Angeles-South Coast County, Summer

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

**5.2 Energy by Land Use - NaturalGas**

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					
Apartments Mid Rise	23.2693	0.2509	2.1444	0.9125	0.0137		0.1734	0.1734		0.1734	0.1734		2,737.5612	2,737.5612	0.0525	0.0502	2,753.8291
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
Condo/Townhouse	5.31355	0.0573	0.4897	0.2084	3.1300e-003		0.0396	0.0396		0.0396	0.0396		625.1240	625.1240	0.0120	0.0115	628.8388
Hotel	14.1898	0.1530	1.3912	1.1686	8.3500e-003		0.1057	0.1057		0.1057	0.1057		1,669.3905	1,669.3905	0.0320	0.0306	1,679.3108
Strip Mall	0.357917	3.8600e-003	0.0351	0.0295	2.1000e-004		2.6700e-003	2.6700e-003		2.6700e-003	2.6700e-003		42.1079	42.1079	8.1000e-004	7.7000e-004	42.3581
<b>Total</b>		<b>0.4651</b>	<b>4.0604</b>	<b>2.3189</b>	<b>0.0254</b>		<b>0.3214</b>	<b>0.3214</b>		<b>0.3214</b>	<b>0.3214</b>		<b>5,074.1835</b>	<b>5,074.1835</b>	<b>0.0973</b>	<b>0.0930</b>	<b>5,104.3368</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use only Natural Gas Hearths

Norwalk Transit Village - Los Angeles-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	26.4812	12.2103	68.3743	0.0766		1.2803	1.2803		1.2803	1.2803	0.0000	14,768.55 41	14,768.55 41	0.3905	0.2687	14,858.37 79
Unmitigated	29.3416	12.6901	97.7865	0.1726		6.0784	6.0784		6.0784	6.0784	708.1966	14,768.55 41	15,476.75 07	3.7012	0.2687	15,649.34 14

**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	1.6984					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	21.1535					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	4.5820	11.9589	34.2969	0.1692		5.7262	5.7262		5.7262	5.7262	708.1966	14,654.11 77	15,362.31 43	3.5916	0.2687	15,532.16 32
Landscaping	1.9077	0.7313	63.4896	3.3600e-003		0.3522	0.3522		0.3522	0.3522		114.4364	114.4364	0.1097		117.1782
<b>Total</b>	<b>29.3416</b>	<b>12.6901</b>	<b>97.7865</b>	<b>0.1726</b>		<b>6.0784</b>	<b>6.0784</b>		<b>6.0784</b>	<b>6.0784</b>	<b>708.1966</b>	<b>14,768.55 41</b>	<b>15,476.75 07</b>	<b>3.7012</b>	<b>0.2687</b>	<b>15,649.34 14</b>

Norwalk Transit Village - Los Angeles-South Coast County, Summer

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

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.0767					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	21.1535					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.3433	11.4791	4.8847	0.0733		0.9281	0.9281		0.9281	0.9281	0.0000	14,654.1177	14,654.1177	0.2809	0.2687	14,741.1997
Landscaping	1.9077	0.7313	63.4896	3.3600e-003		0.3522	0.3522		0.3522	0.3522		114.4364	114.4364	0.1097		117.1782
<b>Total</b>	<b>26.4812</b>	<b>12.2103</b>	<b>68.3743</b>	<b>0.0766</b>		<b>1.2803</b>	<b>1.2803</b>		<b>1.2803</b>	<b>1.2803</b>	<b>0.0000</b>	<b>14,768.5541</b>	<b>14,768.5541</b>	<b>0.3905</b>	<b>0.2687</b>	<b>14,858.3779</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

Norwalk Transit Village - Los Angeles-South Coast County, Summer

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

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

**9.0 Operational Offroad**

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

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**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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**11.0 Vegetation**

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

**Norwalk Transit Village**  
**Los Angeles-South Coast County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	3.62	Acre	3.62	157,687.20	0
Hotel	150.00	Room	5.00	217,800.00	0
Apartments Mid Rise	650.00	Dwelling Unit	17.11	650,000.00	1859
Condo/Townhouse	120.00	Dwelling Unit	7.50	120,000.00	343
Strip Mall	80.15	1000sqft	1.84	80,147.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	9			<b>Operational Year</b>	2026
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MWhr)</b>	390.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

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

- Project Characteristics -
- Land Use - per PD and traffic study
- Construction Phase - per construction questionnaire
- Trips and VMT - 14cy/turck for hualing during grading
- On-road Fugitive Dust - \
- Demolition - per construction questionnaire
- Grading - per construction questionanire
- Architectural Coating - SCAQMD Rule 1113

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

Vehicle Trips - Per trip generation table

Woodstoves - No wood burning device

Area Coating - Rule 1113

Energy Use -

Construction Off-road Equipment Mitigation - SCAQMD Rule 403

Area Mitigation - SCAQMD Rule 1113

Waste Mitigation - AB 341

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaCoating	Area_EF_Parking	100	50
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	50	100
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	50	100
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	50	100
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	50.00	120.00
tblConstructionPhase	NumDays	75.00	86.00
tblConstructionPhase	NumDays	55.00	175.00
tblConstructionPhase	NumDays	740.00	154.00
tblConstructionPhase	NumDays	55.00	87.00
tblConstructionPhase	PhaseEndDate	5/9/2024	8/15/2024
tblConstructionPhase	PhaseEndDate	8/22/2024	12/12/2024
tblConstructionPhase	PhaseEndDate	9/9/2027	1/30/2026
tblConstructionPhase	PhaseEndDate	6/24/2027	1/30/2026

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

tblConstructionPhase	PhaseEndDate	11/25/2027	6/30/2026
tblConstructionPhase	PhaseStartDate	5/10/2024	8/15/2024
tblConstructionPhase	PhaseStartDate	6/25/2027	6/1/2025
tblConstructionPhase	PhaseStartDate	8/23/2024	7/1/2025
tblConstructionPhase	PhaseStartDate	9/10/2027	3/1/2026
tblFireplaces	NumberGas	552.50	585.00
tblFireplaces	NumberGas	102.00	107.00
tblFireplaces	NumberWood	32.50	0.00
tblFireplaces	NumberWood	6.00	0.00
tblGrading	MaterialImported	0.00	60,510.00
tblVehicleTrips	ST_TR	4.91	3.51
tblVehicleTrips	ST_TR	1.96	25.14
tblVehicleTrips	ST_TR	8.14	1.45
tblVehicleTrips	ST_TR	8.19	4.68
tblVehicleTrips	ST_TR	42.04	52.93
tblVehicleTrips	SU_TR	4.09	3.51
tblVehicleTrips	SU_TR	2.19	25.14
tblVehicleTrips	SU_TR	6.28	1.45
tblVehicleTrips	SU_TR	5.95	4.68
tblVehicleTrips	SU_TR	20.43	52.93
tblVehicleTrips	WD_TR	5.44	3.51
tblVehicleTrips	WD_TR	0.78	25.14
tblVehicleTrips	WD_TR	7.32	1.45
tblVehicleTrips	WD_TR	8.36	4.68
tblVehicleTrips	WD_TR	44.32	52.93
tblWoodstoves	NumberCatalytic	32.50	0.00
tblWoodstoves	NumberNoncatalytic	32.50	0.00

**2.0 Emissions Summary**

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



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

**2.1 Overall Construction**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.2955	3.7877	2.7246	9.9200e-003	1.5298	0.1220	1.6518	0.3485	0.1130	0.4616	0.0000	928.3174	928.3174	0.1600	0.0758	954.9153
2025	0.3094	1.9965	3.7969	9.8400e-003	0.6116	0.0719	0.6835	0.1640	0.0670	0.2309	0.0000	896.6598	896.6598	0.1013	0.0361	909.9485
2026	3.1723	0.3772	0.8479	2.2600e-003	0.1722	0.0138	0.1860	0.0460	0.0130	0.0590	0.0000	205.3178	205.3178	0.0173	7.0300e-003	207.8465
<b>Maximum</b>	<b>3.1723</b>	<b>3.7877</b>	<b>3.7969</b>	<b>9.9200e-003</b>	<b>1.5298</b>	<b>0.1220</b>	<b>1.6518</b>	<b>0.3485</b>	<b>0.1130</b>	<b>0.4616</b>	<b>0.0000</b>	<b>928.3174</b>	<b>928.3174</b>	<b>0.1600</b>	<b>0.0758</b>	<b>954.9153</b>

**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					
2024	0.2955	3.7877	2.7246	9.9200e-003	0.6684	0.1220	0.7904	0.1569	0.1130	0.2700	0.0000	928.3168	928.3168	0.1600	0.0758	954.9148
2025	0.3094	1.9965	3.7969	9.8400e-003	0.6116	0.0719	0.6835	0.1640	0.0670	0.2309	0.0000	896.6594	896.6594	0.1013	0.0361	909.9482
2026	3.1723	0.3772	0.8478	2.2600e-003	0.1722	0.0138	0.1860	0.0460	0.0130	0.0590	0.0000	205.3178	205.3178	0.0173	7.0300e-003	207.8464
<b>Maximum</b>	<b>3.1723</b>	<b>3.7877</b>	<b>3.7969</b>	<b>9.9200e-003</b>	<b>0.6684</b>	<b>0.1220</b>	<b>0.7904</b>	<b>0.1640</b>	<b>0.1130</b>	<b>0.2700</b>	<b>0.0000</b>	<b>928.3168</b>	<b>928.3168</b>	<b>0.1600</b>	<b>0.0758</b>	<b>954.9148</b>

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	37.23	0.00	34.16	34.31	0.00	25.50	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	3-1-2024	5-31-2024	1.0930	1.0930
2	6-1-2024	8-31-2024	1.1868	1.1868
3	9-1-2024	11-30-2024	1.5512	1.5512
4	12-1-2024	2-28-2025	0.2053	0.2053
6	6-1-2025	8-31-2025	0.8323	0.8323
7	9-1-2025	11-30-2025	1.0840	1.0840
8	12-1-2025	2-28-2026	0.7275	0.7275
9	3-1-2026	5-31-2026	2.4057	2.4057
10	6-1-2026	8-31-2026	0.7843	0.7843
		Highest	2.4057	2.4057

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

**2.2 Overall Operational**

**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	4.4662	0.2409	8.3649	2.5300e-003		0.1156	0.1156		0.1156	0.1156	8.0308	179.1518	187.1826	0.0532	3.0500e-003	189.4196
Energy	0.0849	0.7410	0.4232	4.6300e-003		0.0587	0.0587		0.0587	0.0587	0.0000	1,855.1064	1,855.1064	0.1018	0.0258	1,865.3349
Mobile	3.1409	3.2027	29.4706	0.0619	6.9126	0.0457	6.9583	1.8444	0.0424	1.8868	0.0000	5,730.8471	5,730.8471	0.4263	0.2636	5,820.0614
Waste						0.0000	0.0000		0.0000	0.0000	105.7177	0.0000	105.7177	6.2477	0.0000	261.9111
Water						0.0000	0.0000		0.0000	0.0000	19.0069	217.1641	236.1710	1.9705	0.0483	299.8323
<b>Total</b>	<b>7.6920</b>	<b>4.1846</b>	<b>38.2587</b>	<b>0.0691</b>	<b>6.9126</b>	<b>0.2200</b>	<b>7.1326</b>	<b>1.8444</b>	<b>0.2167</b>	<b>2.0610</b>	<b>132.7554</b>	<b>7,982.2694</b>	<b>8,115.0247</b>	<b>8.7995</b>	<b>0.3408</b>	<b>8,436.5593</b>

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

**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.4948	0.2349	7.9973	1.3400e-003		0.0556	0.0556		0.0556	0.0556	0.0000	179.1518	179.1518	0.0156	3.0500e-003	180.4502
Energy	0.0849	0.7410	0.4232	4.6300e-003		0.0587	0.0587		0.0587	0.0587	0.0000	1,855.1064	1,855.1064	0.1018	0.0258	1,865.3349
Mobile	3.1409	3.2027	29.4706	0.0619	6.9126	0.0457	6.9583	1.8444	0.0424	1.8868	0.0000	5,730.8471	5,730.8471	0.4263	0.2636	5,820.0614
Waste						0.0000	0.0000		0.0000	0.0000	52.8589	0.0000	52.8589	3.1239	0.0000	130.9556
Water						0.0000	0.0000		0.0000	0.0000	19.0069	217.1641	236.1710	1.9705	0.0483	299.8323
<b>Total</b>	<b>7.7206</b>	<b>4.1786</b>	<b>37.8910</b>	<b>0.0679</b>	<b>6.9126</b>	<b>0.1600</b>	<b>7.0726</b>	<b>1.8444</b>	<b>0.1567</b>	<b>2.0011</b>	<b>71.8657</b>	<b>7,982.2694</b>	<b>8,054.1351</b>	<b>5.6381</b>	<b>0.3408</b>	<b>8,296.6344</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>-0.37</b>	<b>0.14</b>	<b>0.96</b>	<b>1.72</b>	<b>0.00</b>	<b>27.27</b>	<b>0.84</b>	<b>0.00</b>	<b>27.68</b>	<b>2.91</b>	<b>45.87</b>	<b>0.00</b>	<b>0.75</b>	<b>35.93</b>	<b>0.00</b>	<b>1.66</b>

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	3/1/2024	8/15/2024	5	120	
2	Grading	Grading	8/15/2024	12/12/2024	5	86	
3	Paving	Paving	6/1/2025	1/30/2026	5	175	

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4	Building Construction	Building Construction	7/1/2025	1/30/2026	5	154
5	Architectural Coating	Architectural Coating	3/1/2026	6/30/2026	5	87

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

**Acres of Grading (Grading Phase): 258**

**Acres of Paving: 0**

**Residential Indoor: 1,559,250; Residential Outdoor: 519,750; Non-Residential Indoor: 446,921; Non-Residential Outdoor: 148,974; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

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

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**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	8,957.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	7,564.00	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
Building Construction	9	738.00	157.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	148.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

- Replace Ground Cover
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads

**3.2 Demolition - 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					
Fugitive Dust					0.9692	0.0000	0.9692	0.1468	0.0000	0.1468	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1346	1.2527	1.1824	2.3300e-003		0.0576	0.0576		0.0535	0.0535	0.0000	203.9763	203.9763	0.0571	0.0000	205.4030
<b>Total</b>	<b>0.1346</b>	<b>1.2527</b>	<b>1.1824</b>	<b>2.3300e-003</b>	<b>0.9692</b>	<b>0.0576</b>	<b>1.0268</b>	<b>0.1468</b>	<b>0.0535</b>	<b>0.2003</b>	<b>0.0000</b>	<b>203.9763</b>	<b>203.9763</b>	<b>0.0571</b>	<b>0.0000</b>	<b>205.4030</b>

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

**3.2 Demolition - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	9.3900e-003	0.6175	0.1596	2.5800e-003	0.0771	3.7200e-003	0.0808	0.0212	3.5600e-003	0.0247	0.0000	257.5197	257.5197	0.0145	0.0409	270.0738
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6600e-003	2.0200e-003	0.0285	8.0000e-005	9.8600e-003	6.0000e-005	9.9200e-003	2.6200e-003	5.0000e-005	2.6700e-003	0.0000	7.6282	7.6282	1.9000e-004	1.9000e-004	7.6896
<b>Total</b>	<b>0.0121</b>	<b>0.6195</b>	<b>0.1881</b>	<b>2.6600e-003</b>	<b>0.0869</b>	<b>3.7800e-003</b>	<b>0.0907</b>	<b>0.0238</b>	<b>3.6100e-003</b>	<b>0.0274</b>	<b>0.0000</b>	<b>265.1479</b>	<b>265.1479</b>	<b>0.0147</b>	<b>0.0411</b>	<b>277.7633</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3591	0.0000	0.3591	0.0544	0.0000	0.0544	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1346	1.2527	1.1824	2.3300e-003		0.0576	0.0576		0.0535	0.0535	0.0000	203.9760	203.9760	0.0571	0.0000	205.4028
<b>Total</b>	<b>0.1346</b>	<b>1.2527</b>	<b>1.1824</b>	<b>2.3300e-003</b>	<b>0.3591</b>	<b>0.0576</b>	<b>0.4167</b>	<b>0.0544</b>	<b>0.0535</b>	<b>0.1079</b>	<b>0.0000</b>	<b>203.9760</b>	<b>203.9760</b>	<b>0.0571</b>	<b>0.0000</b>	<b>205.4028</b>

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

**3.2 Demolition - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	9.3900e-003	0.6175	0.1596	2.5800e-003	0.0771	3.7200e-003	0.0808	0.0212	3.5600e-003	0.0247	0.0000	257.5197	257.5197	0.0145	0.0409	270.0738
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6600e-003	2.0200e-003	0.0285	8.0000e-005	9.8600e-003	6.0000e-005	9.9200e-003	2.6200e-003	5.0000e-005	2.6700e-003	0.0000	7.6282	7.6282	1.9000e-004	1.9000e-004	7.6896
<b>Total</b>	<b>0.0121</b>	<b>0.6195</b>	<b>0.1881</b>	<b>2.6600e-003</b>	<b>0.0869</b>	<b>3.7800e-003</b>	<b>0.0907</b>	<b>0.0238</b>	<b>3.6100e-003</b>	<b>0.0274</b>	<b>0.0000</b>	<b>265.1479</b>	<b>265.1479</b>	<b>0.0147</b>	<b>0.0411</b>	<b>277.7633</b>

**3.3 Grading - 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					
Fugitive Dust					0.3992	0.0000	0.3992	0.1576	0.0000	0.1576	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1384	1.3922	1.1921	2.6700e-003		0.0574	0.0574		0.0528	0.0528	0.0000	234.4340	234.4340	0.0758	0.0000	236.3295
<b>Total</b>	<b>0.1384</b>	<b>1.3922</b>	<b>1.1921</b>	<b>2.6700e-003</b>	<b>0.3992</b>	<b>0.0574</b>	<b>0.4566</b>	<b>0.1576</b>	<b>0.0528</b>	<b>0.2105</b>	<b>0.0000</b>	<b>234.4340</b>	<b>234.4340</b>	<b>0.0758</b>	<b>0.0000</b>	<b>236.3295</b>



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

**3.3 Grading - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.9300e-003	0.5214	0.1348	2.1800e-003	0.0651	3.1400e-003	0.0682	0.0179	3.0100e-003	0.0209	0.0000	217.4700	217.4700	0.0123	0.0346	228.0717
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5500e-003	1.9300e-003	0.0273	8.0000e-005	9.4200e-003	6.0000e-005	9.4800e-003	2.5000e-003	5.0000e-005	2.5500e-003	0.0000	7.2892	7.2892	1.8000e-004	1.8000e-004	7.3478
<b>Total</b>	<b>0.0105</b>	<b>0.5234</b>	<b>0.1620</b>	<b>2.2600e-003</b>	<b>0.0745</b>	<b>3.2000e-003</b>	<b>0.0777</b>	<b>0.0204</b>	<b>3.0600e-003</b>	<b>0.0234</b>	<b>0.0000</b>	<b>224.7592</b>	<b>224.7592</b>	<b>0.0124</b>	<b>0.0347</b>	<b>235.4195</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1479	0.0000	0.1479	0.0584	0.0000	0.0584	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1384	1.3922	1.1921	2.6700e-003		0.0574	0.0574		0.0528	0.0528	0.0000	234.4337	234.4337	0.0758	0.0000	236.3292
<b>Total</b>	<b>0.1384</b>	<b>1.3922</b>	<b>1.1921</b>	<b>2.6700e-003</b>	<b>0.1479</b>	<b>0.0574</b>	<b>0.2053</b>	<b>0.0584</b>	<b>0.0528</b>	<b>0.1112</b>	<b>0.0000</b>	<b>234.4337</b>	<b>234.4337</b>	<b>0.0758</b>	<b>0.0000</b>	<b>236.3292</b>

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**3.3 Grading - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.9300e-003	0.5214	0.1348	2.1800e-003	0.0651	3.1400e-003	0.0682	0.0179	3.0100e-003	0.0209	0.0000	217.4700	217.4700	0.0123	0.0346	228.0717
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5500e-003	1.9300e-003	0.0273	8.0000e-005	9.4200e-003	6.0000e-005	9.4800e-003	2.5000e-003	5.0000e-005	2.5500e-003	0.0000	7.2892	7.2892	1.8000e-004	1.8000e-004	7.3478
<b>Total</b>	<b>0.0105</b>	<b>0.5234</b>	<b>0.1620</b>	<b>2.2600e-003</b>	<b>0.0745</b>	<b>3.2000e-003</b>	<b>0.0777</b>	<b>0.0204</b>	<b>3.0600e-003</b>	<b>0.0234</b>	<b>0.0000</b>	<b>224.7592</b>	<b>224.7592</b>	<b>0.0124</b>	<b>0.0347</b>	<b>235.4195</b>

**3.4 Paving - 2025**

**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	0.0700	0.6565	1.1152	1.7400e-003		0.0320	0.0320		0.0295	0.0295	0.0000	153.1473	153.1473	0.0495	0.0000	154.3856
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0700</b>	<b>0.6565</b>	<b>1.1152</b>	<b>1.7400e-003</b>		<b>0.0320</b>	<b>0.0320</b>		<b>0.0295</b>	<b>0.0295</b>	<b>0.0000</b>	<b>153.1473</b>	<b>153.1473</b>	<b>0.0495</b>	<b>0.0000</b>	<b>154.3856</b>

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

**3.4 Paving - 2025**

**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	3.1800e-003	2.3100e-003	0.0338	1.0000e-004	0.0126	7.0000e-005	0.0126	3.3400e-003	6.0000e-005	3.4000e-003	0.0000	9.3955	9.3955	2.2000e-004	2.3000e-004	9.4683
<b>Total</b>	<b>3.1800e-003</b>	<b>2.3100e-003</b>	<b>0.0338</b>	<b>1.0000e-004</b>	<b>0.0126</b>	<b>7.0000e-005</b>	<b>0.0126</b>	<b>3.3400e-003</b>	<b>6.0000e-005</b>	<b>3.4000e-003</b>	<b>0.0000</b>	<b>9.3955</b>	<b>9.3955</b>	<b>2.2000e-004</b>	<b>2.3000e-004</b>	<b>9.4683</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0700	0.6565	1.1152	1.7400e-003		0.0320	0.0320		0.0295	0.0295	0.0000	153.1471	153.1471	0.0495	0.0000	154.3854
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0700</b>	<b>0.6565</b>	<b>1.1152</b>	<b>1.7400e-003</b>		<b>0.0320</b>	<b>0.0320</b>		<b>0.0295</b>	<b>0.0295</b>	<b>0.0000</b>	<b>153.1471</b>	<b>153.1471</b>	<b>0.0495</b>	<b>0.0000</b>	<b>154.3854</b>

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

**3.4 Paving - 2025**

**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	3.1800e-003	2.3100e-003	0.0338	1.0000e-004	0.0126	7.0000e-005	0.0126	3.3400e-003	6.0000e-005	3.4000e-003	0.0000	9.3955	9.3955	2.2000e-004	2.3000e-004	9.4683
<b>Total</b>	<b>3.1800e-003</b>	<b>2.3100e-003</b>	<b>0.0338</b>	<b>1.0000e-004</b>	<b>0.0126</b>	<b>7.0000e-005</b>	<b>0.0126</b>	<b>3.3400e-003</b>	<b>6.0000e-005</b>	<b>3.4000e-003</b>	<b>0.0000</b>	<b>9.3955</b>	<b>9.3955</b>	<b>2.2000e-004</b>	<b>2.3000e-004</b>	<b>9.4683</b>

**3.4 Paving - 2026**

**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	0.0101	0.0944	0.1604	2.5000e-004		4.6000e-003	4.6000e-003		4.2400e-003	4.2400e-003	0.0000	22.0212	22.0212	7.1200e-003	0.0000	22.1992
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0101</b>	<b>0.0944</b>	<b>0.1604</b>	<b>2.5000e-004</b>		<b>4.6000e-003</b>	<b>4.6000e-003</b>		<b>4.2400e-003</b>	<b>4.2400e-003</b>	<b>0.0000</b>	<b>22.0212</b>	<b>22.0212</b>	<b>7.1200e-003</b>	<b>0.0000</b>	<b>22.1992</b>

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

**3.4 Paving - 2026**

**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	4.3000e-004	3.0000e-004	4.5600e-003	1.0000e-005	1.8100e-003	1.0000e-005	1.8200e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.3099	1.3099	3.0000e-005	3.0000e-005	1.3198
<b>Total</b>	<b>4.3000e-004</b>	<b>3.0000e-004</b>	<b>4.5600e-003</b>	<b>1.0000e-005</b>	<b>1.8100e-003</b>	<b>1.0000e-005</b>	<b>1.8200e-003</b>	<b>4.8000e-004</b>	<b>1.0000e-005</b>	<b>4.9000e-004</b>	<b>0.0000</b>	<b>1.3099</b>	<b>1.3099</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>1.3198</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0101	0.0944	0.1604	2.5000e-004		4.6000e-003	4.6000e-003		4.2400e-003	4.2400e-003	0.0000	22.0212	22.0212	7.1200e-003	0.0000	22.1992
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0101</b>	<b>0.0944</b>	<b>0.1604</b>	<b>2.5000e-004</b>		<b>4.6000e-003</b>	<b>4.6000e-003</b>		<b>4.2400e-003</b>	<b>4.2400e-003</b>	<b>0.0000</b>	<b>22.0212</b>	<b>22.0212</b>	<b>7.1200e-003</b>	<b>0.0000</b>	<b>22.1992</b>

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

**3.4 Paving - 2026**

**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	4.3000e-004	3.0000e-004	4.5600e-003	1.0000e-005	1.8100e-003	1.0000e-005	1.8200e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.3099	1.3099	3.0000e-005	3.0000e-005	1.3198
<b>Total</b>	<b>4.3000e-004</b>	<b>3.0000e-004</b>	<b>4.5600e-003</b>	<b>1.0000e-005</b>	<b>1.8100e-003</b>	<b>1.0000e-005</b>	<b>1.8200e-003</b>	<b>4.8000e-004</b>	<b>1.0000e-005</b>	<b>4.9000e-004</b>	<b>0.0000</b>	<b>1.3099</b>	<b>1.3099</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>1.3198</b>

**3.5 Building Construction - 2025**

**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	0.0903	0.8230	1.0616	1.7800e-003		0.0348	0.0348		0.0328	0.0328	0.0000	153.0668	153.0668	0.0360	0.0000	153.9664
<b>Total</b>	<b>0.0903</b>	<b>0.8230</b>	<b>1.0616</b>	<b>1.7800e-003</b>		<b>0.0348</b>	<b>0.0348</b>		<b>0.0328</b>	<b>0.0328</b>	<b>0.0000</b>	<b>153.0668</b>	<b>153.0668</b>	<b>0.0360</b>	<b>0.0000</b>	<b>153.9664</b>

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

**3.5 Building Construction - 2025**

**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	0.0110	0.4164	0.1502	1.8600e-003	0.0653	2.0200e-003	0.0673	0.0189	1.9400e-003	0.0208	0.0000	182.2387	182.2387	6.3700e-003	0.0263	190.2261
Worker	0.1349	0.0983	1.4361	4.3500e-003	0.5337	2.9800e-003	0.5367	0.1418	2.7500e-003	0.1445	0.0000	398.8114	398.8114	9.2300e-003	9.6000e-003	401.9022
<b>Total</b>	<b>0.1459</b>	<b>0.5147</b>	<b>1.5863</b>	<b>6.2100e-003</b>	<b>0.5991</b>	<b>5.0000e-003</b>	<b>0.6041</b>	<b>0.1606</b>	<b>4.6900e-003</b>	<b>0.1653</b>	<b>0.0000</b>	<b>581.0501</b>	<b>581.0501</b>	<b>0.0156</b>	<b>0.0359</b>	<b>592.1283</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0903	0.8230	1.0616	1.7800e-003		0.0348	0.0348		0.0328	0.0328	0.0000	153.0667	153.0667	0.0360	0.0000	153.9662
<b>Total</b>	<b>0.0903</b>	<b>0.8230</b>	<b>1.0616</b>	<b>1.7800e-003</b>		<b>0.0348</b>	<b>0.0348</b>		<b>0.0328</b>	<b>0.0328</b>	<b>0.0000</b>	<b>153.0667</b>	<b>153.0667</b>	<b>0.0360</b>	<b>0.0000</b>	<b>153.9662</b>

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

**3.5 Building Construction - 2025**

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	0.0110	0.4164	0.1502	1.8600e-003	0.0653	2.0200e-003	0.0673	0.0189	1.9400e-003	0.0208	0.0000	182.2387	182.2387	6.3700e-003	0.0263	190.2261
Worker	0.1349	0.0983	1.4361	4.3500e-003	0.5337	2.9800e-003	0.5367	0.1418	2.7500e-003	0.1445	0.0000	398.8114	398.8114	9.2300e-003	9.6000e-003	401.9022
<b>Total</b>	<b>0.1459</b>	<b>0.5147</b>	<b>1.5863</b>	<b>6.2100e-003</b>	<b>0.5991</b>	<b>5.0000e-003</b>	<b>0.6041</b>	<b>0.1606</b>	<b>4.6900e-003</b>	<b>0.1653</b>	<b>0.0000</b>	<b>581.0501</b>	<b>581.0501</b>	<b>0.0156</b>	<b>0.0359</b>	<b>592.1283</b>

**3.5 Building Construction - 2026**

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	0.0150	0.1372	0.1769	3.0000e-004		5.8000e-003	5.8000e-003		5.4600e-003	5.4600e-003	0.0000	25.5111	25.5111	6.0000e-003	0.0000	25.6611
<b>Total</b>	<b>0.0150</b>	<b>0.1372</b>	<b>0.1769</b>	<b>3.0000e-004</b>		<b>5.8000e-003</b>	<b>5.8000e-003</b>		<b>5.4600e-003</b>	<b>5.4600e-003</b>	<b>0.0000</b>	<b>25.5111</b>	<b>25.5111</b>	<b>6.0000e-003</b>	<b>0.0000</b>	<b>25.6611</b>



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

**3.5 Building Construction - 2026**

**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	1.7900e-003	0.0689	0.0247	3.0000e-004	0.0109	3.4000e-004	0.0112	3.1400e-003	3.2000e-004	3.4600e-003	0.0000	29.8098	29.8098	1.0700e-003	4.3000e-003	31.1176
Worker	0.0212	0.0149	0.2245	7.0000e-004	0.0890	4.7000e-004	0.0894	0.0236	4.3000e-004	0.0241	0.0000	64.4483	64.4483	1.4000e-003	1.5100e-003	64.9323
<b>Total</b>	<b>0.0230</b>	<b>0.0837</b>	<b>0.2492</b>	<b>1.0000e-003</b>	<b>0.0998</b>	<b>8.1000e-004</b>	<b>0.1007</b>	<b>0.0268</b>	<b>7.5000e-004</b>	<b>0.0275</b>	<b>0.0000</b>	<b>94.2581</b>	<b>94.2581</b>	<b>2.4700e-003</b>	<b>5.8100e-003</b>	<b>96.0499</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0150	0.1372	0.1769	3.0000e-004		5.8000e-003	5.8000e-003		5.4600e-003	5.4600e-003	0.0000	25.5111	25.5111	6.0000e-003	0.0000	25.6610
<b>Total</b>	<b>0.0150</b>	<b>0.1372</b>	<b>0.1769</b>	<b>3.0000e-004</b>		<b>5.8000e-003</b>	<b>5.8000e-003</b>		<b>5.4600e-003</b>	<b>5.4600e-003</b>	<b>0.0000</b>	<b>25.5111</b>	<b>25.5111</b>	<b>6.0000e-003</b>	<b>0.0000</b>	<b>25.6610</b>

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

**3.5 Building Construction - 2026**

**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	1.7900e-003	0.0689	0.0247	3.0000e-004	0.0109	3.4000e-004	0.0112	3.1400e-003	3.2000e-004	3.4600e-003	0.0000	29.8098	29.8098	1.0700e-003	4.3000e-003	31.1176
Worker	0.0212	0.0149	0.2245	7.0000e-004	0.0890	4.7000e-004	0.0894	0.0236	4.3000e-004	0.0241	0.0000	64.4483	64.4483	1.4000e-003	1.5100e-003	64.9323
<b>Total</b>	<b>0.0230</b>	<b>0.0837</b>	<b>0.2492</b>	<b>1.0000e-003</b>	<b>0.0998</b>	<b>8.1000e-004</b>	<b>0.1007</b>	<b>0.0268</b>	<b>7.5000e-004</b>	<b>0.0275</b>	<b>0.0000</b>	<b>94.2581</b>	<b>94.2581</b>	<b>2.4700e-003</b>	<b>5.8100e-003</b>	<b>96.0499</b>

**3.6 Architectural Coating - 2026**

**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	3.0995					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.4300e-003	0.0498	0.0787	1.3000e-004		2.2400e-003	2.2400e-003		2.2400e-003	2.2400e-003	0.0000	11.1067	11.1067	6.1000e-004	0.0000	11.1218
<b>Total</b>	<b>3.1070</b>	<b>0.0498</b>	<b>0.0787</b>	<b>1.3000e-004</b>		<b>2.2400e-003</b>	<b>2.2400e-003</b>		<b>2.2400e-003</b>	<b>2.2400e-003</b>	<b>0.0000</b>	<b>11.1067</b>	<b>11.1067</b>	<b>6.1000e-004</b>	<b>0.0000</b>	<b>11.1218</b>

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

**3.6 Architectural Coating - 2026**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0168	0.0118	0.1781	5.6000e-004	0.0706	3.7000e-004	0.0709	0.0187	3.4000e-004	0.0191	0.0000	51.1109	51.1109	1.1100e-003	1.2000e-003	51.4947
<b>Total</b>	<b>0.0168</b>	<b>0.0118</b>	<b>0.1781</b>	<b>5.6000e-004</b>	<b>0.0706</b>	<b>3.7000e-004</b>	<b>0.0709</b>	<b>0.0187</b>	<b>3.4000e-004</b>	<b>0.0191</b>	<b>0.0000</b>	<b>51.1109</b>	<b>51.1109</b>	<b>1.1100e-003</b>	<b>1.2000e-003</b>	<b>51.4947</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.0995					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.4300e-003	0.0498	0.0787	1.3000e-004		2.2400e-003	2.2400e-003		2.2400e-003	2.2400e-003	0.0000	11.1066	11.1066	6.1000e-004	0.0000	11.1218
<b>Total</b>	<b>3.1070</b>	<b>0.0498</b>	<b>0.0787</b>	<b>1.3000e-004</b>		<b>2.2400e-003</b>	<b>2.2400e-003</b>		<b>2.2400e-003</b>	<b>2.2400e-003</b>	<b>0.0000</b>	<b>11.1066</b>	<b>11.1066</b>	<b>6.1000e-004</b>	<b>0.0000</b>	<b>11.1218</b>

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

**3.6 Architectural Coating - 2026**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0168	0.0118	0.1781	5.6000e-004	0.0706	3.7000e-004	0.0709	0.0187	3.4000e-004	0.0191	0.0000	51.1109	51.1109	1.1100e-003	1.2000e-003	51.4947
<b>Total</b>	<b>0.0168</b>	<b>0.0118</b>	<b>0.1781</b>	<b>5.6000e-004</b>	<b>0.0706</b>	<b>3.7000e-004</b>	<b>0.0709</b>	<b>0.0187</b>	<b>3.4000e-004</b>	<b>0.0191</b>	<b>0.0000</b>	<b>51.1109</b>	<b>51.1109</b>	<b>1.1100e-003</b>	<b>1.2000e-003</b>	<b>51.4947</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.1409	3.2027	29.4706	0.0619	6.9126	0.0457	6.9583	1.8444	0.0424	1.8868	0.0000	5,730.847 1	5,730.847 1	0.4263	0.2636	5,820.061 4
Unmitigated	3.1409	3.2027	29.4706	0.0619	6.9126	0.0457	6.9583	1.8444	0.0424	1.8868	0.0000	5,730.847 1	5,730.847 1	0.4263	0.2636	5,820.061 4

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	2,280.85	2,280.85	2280.85	7,794,011	7,794,011
City Park	91.00	91.00	91.00	261,855	261,855
Condo/Townhouse	174.00	174.00	174.00	594,584	594,584
Hotel	702.00	702.00	702.00	1,675,092	1,675,092
Strip Mall	4,242.02	4,242.02	4242.02	8,070,848	8,070,848
<b>Total</b>	<b>7,489.87</b>	<b>7,489.87</b>	<b>7,489.87</b>	<b>18,396,390</b>	<b>18,396,390</b>

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Condo/Townhouse	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

**4.4 Fleet Mix**

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

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.537891	0.065289	0.189998	0.126515	0.023567	0.006518	0.011114	0.008084	0.000933	0.000591	0.025474	0.000708	0.003318
City Park	0.537891	0.065289	0.189998	0.126515	0.023567	0.006518	0.011114	0.008084	0.000933	0.000591	0.025474	0.000708	0.003318
Condo/Townhouse	0.537891	0.065289	0.189998	0.126515	0.023567	0.006518	0.011114	0.008084	0.000933	0.000591	0.025474	0.000708	0.003318
Hotel	0.537891	0.065289	0.189998	0.126515	0.023567	0.006518	0.011114	0.008084	0.000933	0.000591	0.025474	0.000708	0.003318
Strip Mall	0.537891	0.065289	0.189998	0.126515	0.023567	0.006518	0.011114	0.008084	0.000933	0.000591	0.025474	0.000708	0.003318

**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
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,015.018 <sub>4</sub>	1,015.018 <sub>4</sub>	0.0857	0.0104	1,020.254 <sub>7</sub>
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,015.018 <sub>4</sub>	1,015.018 <sub>4</sub>	0.0857	0.0104	1,020.254 <sub>7</sub>
NaturalGas Mitigated	0.0849	0.7410	0.4232	4.6300e-003		0.0587	0.0587		0.0587	0.0587	0.0000	840.0880	840.0880	0.0161	0.0154	845.0802
NaturalGas Unmitigated	0.0849	0.7410	0.4232	4.6300e-003		0.0587	0.0587		0.0587	0.0587	0.0000	840.0880	840.0880	0.0161	0.0154	845.0802

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

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	8.49328e+006	0.0458	0.3914	0.1665	2.5000e-003		0.0316	0.0316		0.0316	0.0316	0.0000	453.2340	453.2340	8.6900e-003	8.3100e-003	455.9273
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
Condo/Townhouse	1.93945e+006	0.0105	0.0894	0.0380	5.7000e-004		7.2300e-003	7.2300e-003		7.2300e-003	7.2300e-003	0.0000	103.4963	103.4963	1.9800e-003	1.9000e-003	104.1113
Hotel	5.17928e+006	0.0279	0.2539	0.2133	1.5200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	276.3863	276.3863	5.3000e-003	5.0700e-003	278.0287
Strip Mall	130640	7.0000e-004	6.4000e-003	5.3800e-003	4.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	6.9714	6.9714	1.3000e-004	1.3000e-004	7.0129
<b>Total</b>		<b>0.0849</b>	<b>0.7410</b>	<b>0.4232</b>	<b>4.6300e-003</b>		<b>0.0587</b>	<b>0.0587</b>		<b>0.0587</b>	<b>0.0587</b>	<b>0.0000</b>	<b>840.0880</b>	<b>840.0880</b>	<b>0.0161</b>	<b>0.0154</b>	<b>845.0802</b>

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

**5.2 Energy by Land Use - NaturalGas**

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					
Apartments Mid Rise	8.49328e+006	0.0458	0.3914	0.1665	2.5000e-003		0.0316	0.0316		0.0316	0.0316	0.0000	453.2340	453.2340	8.6900e-003	8.3100e-003	455.9273
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
Condo/Townhouse	1.93945e+006	0.0105	0.0894	0.0380	5.7000e-004		7.2300e-003	7.2300e-003		7.2300e-003	7.2300e-003	0.0000	103.4963	103.4963	1.9800e-003	1.9000e-003	104.1113
Hotel	5.17928e+006	0.0279	0.2539	0.2133	1.5200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	276.3863	276.3863	5.3000e-003	5.0700e-003	278.0287
Strip Mall	130640	7.0000e-004	6.4000e-003	5.3800e-003	4.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	6.9714	6.9714	1.3000e-004	1.3000e-004	7.0129
<b>Total</b>		<b>0.0849</b>	<b>0.7410</b>	<b>0.4232</b>	<b>4.6300e-003</b>		<b>0.0587</b>	<b>0.0587</b>		<b>0.0587</b>	<b>0.0587</b>	<b>0.0000</b>	<b>840.0880</b>	<b>840.0880</b>	<b>0.0161</b>	<b>0.0154</b>	<b>845.0802</b>



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

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	2.50208e+006	443.7323	0.0375	4.5400e-003	446.0214
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	581677	103.1579	8.7100e-003	1.0600e-003	103.6900
Hotel	1.59212e+006	282.3550	0.0238	2.8900e-003	283.8117
Strip Mall	1.04752e+006	185.7732	0.0157	1.9000e-003	186.7316
<b>Total</b>		<b>1,015.0184</b>	<b>0.0857</b>	<b>0.0104</b>	<b>1,020.2547</b>

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

**5.3 Energy by Land Use - Electricity**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	2.50208e+006	443.7323	0.0375	4.5400e-003	446.0214
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	581677	103.1579	8.7100e-003	1.0600e-003	103.6900
Hotel	1.59212e+006	282.3550	0.0238	2.8900e-003	283.8117
Strip Mall	1.04752e+006	185.7732	0.0157	1.9000e-003	186.7316
<b>Total</b>		<b>1,015.0184</b>	<b>0.0857</b>	<b>0.0104</b>	<b>1,020.2547</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use only Natural Gas Hearths

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	4.4948	0.2349	7.9973	1.3400e-003		0.0556	0.0556		0.0556	0.0556	0.0000	179.1518	179.1518	0.0156	3.0500e-003	180.4502
Unmitigated	4.4662	0.2409	8.3649	2.5300e-003		0.1156	0.1156		0.1156	0.1156	8.0308	179.1518	187.1826	0.0532	3.0500e-003	189.4196

**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	0.3100					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.8605					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0573	0.1495	0.4287	2.1200e-003		0.0716	0.0716		0.0716	0.0716	8.0308	166.1749	174.2057	0.0407	3.0500e-003	176.1318
Landscaping	0.2385	0.0914	7.9362	4.2000e-004		0.0440	0.0440		0.0440	0.0440	0.0000	12.9769	12.9769	0.0124	0.0000	13.2878
<b>Total</b>	<b>4.4662</b>	<b>0.2409</b>	<b>8.3649</b>	<b>2.5400e-003</b>		<b>0.1156</b>	<b>0.1156</b>		<b>0.1156</b>	<b>0.1156</b>	<b>8.0308</b>	<b>179.1518</b>	<b>187.1826</b>	<b>0.0532</b>	<b>3.0500e-003</b>	<b>189.4196</b>

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

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.3790					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.8605					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0168	0.1435	0.0611	9.2000e-004		0.0116	0.0116		0.0116	0.0116	0.0000	166.1749	166.1749	3.1900e-003	3.0500e-003	167.1624
Landscaping	0.2385	0.0914	7.9362	4.2000e-004		0.0440	0.0440		0.0440	0.0440	0.0000	12.9769	12.9769	0.0124	0.0000	13.2878
<b>Total</b>	<b>4.4948</b>	<b>0.2349</b>	<b>7.9973</b>	<b>1.3400e-003</b>		<b>0.0556</b>	<b>0.0556</b>		<b>0.0556</b>	<b>0.0556</b>	<b>0.0000</b>	<b>179.1518</b>	<b>179.1518</b>	<b>0.0156</b>	<b>3.0500e-003</b>	<b>180.4502</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	236.1710	1.9705	0.0483	299.8323
Unmitigated	236.1710	1.9705	0.0483	299.8323

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	42.3501 / 26.699	163.8366	1.3927	0.0341	208.8221
City Park	0 / 4.31316	8.4983	7.2000e-004	9.0000e-005	8.5421
Condo/Townhouse	7.81848 / 4.92904	30.2468	0.2571	6.3000e-003	38.5518
Hotel	3.80502 / 0.422779	10.8268	0.1248	3.0300e-003	14.8485
Strip Mall	5.93691 / 3.63875	22.7626	0.1952	4.7800e-003	29.0679
<b>Total</b>		<b>236.1709</b>	<b>1.9705</b>	<b>0.0483</b>	<b>299.8323</b>

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

**7.2 Water by Land Use**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	42.3501 / 26.699	163.8366	1.3927	0.0341	208.8221
City Park	0 / 4.31316	8.4983	7.2000e-004	9.0000e-005	8.5421
Condo/Townhouse	7.81848 / 4.92904	30.2468	0.2571	6.3000e-003	38.5518
Hotel	3.80502 / 0.422779	10.8268	0.1248	3.0300e-003	14.8485
Strip Mall	5.93691 / 3.63875	22.7626	0.1952	4.7800e-003	29.0679
<b>Total</b>		<b>236.1709</b>	<b>1.9705</b>	<b>0.0483</b>	<b>299.8323</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

Norwalk Transit Village - Los Angeles-South Coast County, Annual

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

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	52.8589	3.1239	0.0000	130.9556
Unmitigated	105.7177	6.2477	0.0000	261.9111

**8.2 Waste by Land Use**

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	299	60.6943	3.5869	0.0000	150.3676
City Park	0.31	0.0629	3.7200e-003	0.0000	0.1559
Condo/Townhouse	55.2	11.2051	0.6622	0.0000	27.7602
Hotel	82.13	16.6717	0.9853	0.0000	41.3033
Strip Mall	84.16	17.0837	1.0096	0.0000	42.3242
<b>Total</b>		<b>105.7177</b>	<b>6.2477</b>	<b>0.0000</b>	<b>261.9111</b>

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

**8.2 Waste by Land Use**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	149.5	30.3472	1.7935	0.0000	75.1838
City Park	0.155	0.0315	1.8600e-003	0.0000	0.0780
Condo/Townhouse	27.6	5.6026	0.3311	0.0000	13.8801
Hotel	41.065	8.3358	0.4926	0.0000	20.6517
Strip Mall	42.08	8.5419	0.5048	0.0000	21.1621
<b>Total</b>		<b>52.8588</b>	<b>3.1239</b>	<b>0.0000</b>	<b>130.9556</b>

**9.0 Operational Offroad**

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

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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**Norwalk Transit Village Project  
Energy Calculations**

Land Use	Electricity Use		Natural Gas Use	
	(kWh/yr)	(MWh/yr)	(kBTU/yr)	(Therms)
Apartment Mid Rise	2,502,080	2,502	8,493,280	84,933
City Park	0	0	0	0
Condo/Townhouse	581,677	582	1,939,450	19,395
Hotel	1,592,120	1,592	5,179,280	51,793
Strip Mall	1,047,520	1,048	130,640	1,306
<b>Totals</b>	<b>5,723,397</b>	<b>5,723</b>	<b>15,742,650</b>	<b>157,427</b>

1 kBTU = 0.01 therms

Energy Type	Project Annual Energy Consumption	Los Angeles County Annual Energy Consumption (2021)	Percentage Increase Countywide
Electricity (MWh)	5,723	65,374,721	0.0088%
Natrual Gas (Therms)	157,427	2,880,994,891	0.0055%

**Norwalk Transit Village Project  
Energy Calculations**

Vehicle Type	Percent of Vehicle Trips <sup>1</sup>	Daily Trips <sup>2</sup>	Annual Vehicle Miles Traveled	Average Fuel Economy (miles per gallon) <sup>3</sup>	Total Annual Fuel Consumption (gallons) <sup>4</sup>
Passenger Cars	0.54	4,029	9,895,253	22	449,784
Light/Medium Trucks	0.42	3,168	7,781,691	17.3	449,809
Heavy Trucks/Other	0.04	293	719,446	6.4	112,413
<b>TOTAL<sup>6</sup></b>	<b>1.00</b>	<b>7,490</b>	<b>18,396,390</b>	<b>--</b>	<b>1,012,006</b>

County On-Road  
2026  
3,645,136,314  
0.0278%

Notes:

1. Percent of Vehicle Trip distribution based on trip characteristics within the CalEEMod model.
2. Daily Trips taken from ITE manual.
3. Average fuel economy derived from the Department of Transportation.
4. Total Daily Fuel Consumption calculated by dividing the daily VMT by the average fuel economy (i.e., VMT/Average Fuel Economy).
5. Values may be slightly off due to rounding.

Source: Refer to CalEEMod outputs for assumptions used in this analysis.

**Norwalk Transit Village Project  
Energy Calculations**

<b>WORKER TRIPS</b>						
<b>Phase</b>	<b>Phase Length (# days)</b>	<b># Worker Trips</b>	<b>Worker Trip Length</b>	<b>Total VMT</b>	<b>Fuel Consumption Factor (Miles/Gallon/Day)</b>	<b>Total Fuel Consumption</b>
Demolition	120	15	14.7	26,460		1,062.53
Grading	86	20	14.7	25,284		1,015.31
Building Construction	154	738	14.7	1,670,684	<b>24.90284233</b>	67,088.10
Paving	175	15	14.7	38,588		1,549.52
Architectural Coating	87	148	14.7	189,277		7,600.63
						<b>78,316.08</b>
<b>VENDOR TRIPS</b>						
<b>Phase</b>	<b>Phase Length (# days)</b>	<b># Vendor Trips</b>	<b>Vendor Trip Length</b>	<b>Total VMT</b>	<b>Fuel Consumption Factor (Miles/Gallon/Day)</b>	<b>Total Fuel Consumption</b>
Demolition	120	0	6.9	0		0.00
Grading	86	0	6.9	0		0.00
Building Construction	154	157	6.9	166,828	<b>8.343886151</b>	19,994.06
Paving	175	0	6.9	0		0.00
Architectural Coating	87	0	6.9	0		0.00
						<b>19,994.06</b>
<b>HAULING TRIPS</b>						
<b>Phase</b>	<b>Phase Length (# days)</b>	<b># Hauling Trips</b>	<b>Hauling Trip Length</b>	<b>Total VMT</b>	<b>Fuel Consumption Factor (Miles/Gallon/Day)<sup>1</sup></b>	<b>Total Fuel Consumption</b>
Demolition	120	8957	20	21,496,800		2,576,353.47
Grading	86	7564	20	13,010,080		1,559,235.08
Building Construction	154	0	20	0	<b>8.343886151</b>	0.00
Paving	175	0	20	0		0.00
Architectural Coating	87	0	20	0		0.00
						<b>4,135,588.55</b>
<b>TOTAL OFF-SITE MOBILE GALLONS CONSUMED DURING CONSTRUCTION</b>						<b>4,233,898.70</b>

County Onroad Gallon      4,263,453,040  
2024      0.0993%

**Norwalk Transit Village Project  
Energy Calculations**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Fuel Consumption Rate (gallons per hour)	Duration (total hours/day)	# days	Total Fuel Consumption (gallons)
Demolition	Concrete/Industrial Saws	1	8	81	0.73	2.3652	8	120	2270.59
Demolition	Excavators	3	8	158	0.38	2.4016	24	120	6916.61
Demolition	Rubber Tired Dozers	2	8	247	0.4	3.952	16	120	7587.84
Grading	Excavators	2	8	158	0.38	2.4016	16	86	3304.60
Grading	Graders	1	8	187	0.41	3.0668	8	86	2109.96
Grading	Rubber Tired Dozers	1	8	247	0.4	3.952	8	86	2718.98
Grading	Scrapers	2	8	367	0.48	7.0464	16	86	9695.85
Grading	Tractors/Loaders/Backhoes	2	8	97	0.37	1.4356	16	86	1975.39
Building Construction	Cranes	1	7	231	0.29	2.6796	7	154	2888.61
Building Construction	Forklifts	3	8	89	0.2	0.712	24	154	2631.55
Building Construction	Generator Sets	1	8	84	0.74	2.4864	8	154	3063.24
Building Construction	Tractors/Loaders/Backhoes	3	7	97	0.37	1.4356	21	154	4642.73
Building Construction	Welders	1	8	46	0.45	0.828	8	154	1020.10
Paving	Pavers	2	8	130	0.42	2.184	16	175	6115.20
Paving	Paving Equipment	2	8	132	0.36	1.9008	16	175	5322.24
Paving	Rollers	2	8	80	0.38	1.216	16	175	3404.80
Architectural Coating	Air Compressors	1	6	78	0.48	1.4976	6	87	781.75
<b>Total:</b>									<b>66,450</b>
Notes:									
Fuel Consumption Rate = Horsepower x Load Factor x Fuel Consumption Factor									
Where:									
Fuel Consumption Factor for a diesel engine is 0.04 gallons per horsepower per hour (gal/hp/hr) and a gasoline engine is 0.06 gal/hp/hr.									
Source: Refer to CalEEMod outputs for assumptions used in this analysis.									