

## **Appendix B      Air Quality/GHG Data**

## Appendices

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# **Air Quality and Greenhouse Gas Appendix**

# **Assumptions Worksheet**



## CalEEMod Inputs - Eastside Neighborhood School, Construction (Option 3)

**Name:** Eastside Neighborhood School  
**Project Number:** RIV-30  
**Project Location:** 4341 Victoria Avenue  
**County/Air Basin:** Riverside  
**Climate Zone:** 10  
**Land Use Setting:** Urban  
**Operational Year:** 2028  
**Utility Company:** Riverside Public Utilities  
**Air Basin:** South Coast Air Basin  
**Air District:** South Coast AQMD  
**SRA:** 23 - Metropolitan Riverside County

Project Site Acreage	8.62
Disturbed Site Acreage <sup>1</sup>	8.37

<sup>1</sup> Based on the maximum area disturbed in Option 3.

Project Components	SQFT	Acres	Tons
<b>Option 3 Demolition</b>			
Building	45,505	N/A	2,093
Asphalt Demolition <sup>1</sup>	N/A	N/A	3,644

Notes:

<sup>1</sup> Includes the roadways to be vacated.

Option 3 Buildings to Remain	SQFT	Building Footprint	ACRES
Multi-Purpose Room	8,743	8,743	0.20
Bungalow	1,973	1,973	0.05

Notes:

<sup>1</sup> Historical building on the existing high school campus that will remain at buildout.

Option 3 New Construction	SQFT	Building Footprint	ACRES	Students
Elementary School Buildings	61,149	34854	0.80	800
High School Buildings	22,000	11000	0.25	200
<b>Total Educational</b>	<b>83,149</b>	<b>45,854</b>	<b>1.05</b>	<b>Stalls</b>
Parking	51,800	N/A	1.19	76
Parking (non-parking asphalt)	64,532	N/A	1.48	
Total Hardscape	62,872	N/A	1.44	
Total Landscape	139,710	N/A	3.21	
<b>Total Other non-asphalt areas</b>	<b>202,582</b>	<b>N/A</b>	<b>4.65</b>	
			<b>8.37</b>	

## CalEEMod Land Use Inputs

Land Use Type	Land Use Subtype	Unit Amount	Size Metric	Lot Acreage	Land Use Square Feet
Educational	Elementary School	800	Students	0.80	61,149
Educational	High School	200	Students	0.25	22,000
Parking	Parking Lot	51.80	1000 sqft	1.19	51,800
Parking (non-parking asphalt)	Other asphalt surfaces	64.53	1000 sqft	1.48	64,532
Parking (non-asphalt surfaces)	Other non-asphalt surfaces	202.58	1000 sqft	4.65	202,582
<b>Total</b>				<b>8.37</b>	<b>402,063</b>

## Demolition

Component	Amount to be Demolished			Total Trip Ends	Duration (days)	Trip Ends/Day
	(Tons) <sup>2</sup>	Haul Truck Capacity (Tons) <sup>1</sup>	Haul Distance (miles) <sup>1</sup>			
Total Building Demo Haul	2,093	20	20	210	42	5
Asphalt Demo Haul	3,644	20	20	365	42	9
<b>Total</b>	<b>5,737</b>			<b>575</b>		

Notes:

<sup>1</sup> CalEEMod Defaults.

<sup>2</sup> Demolition quantities provided by the applicant.

## Soil Haul<sup>1</sup>

Construction Activities	Volume (CY) <sup>1</sup>	Haul Truck Capacity (cy) <sup>2</sup>	Haul Distance (miles) <sup>3</sup>	Total Trip Ends	Duration (days)	Trip Ends/Day
Site Preparation Soil Haul	68	16	20	9	1	9
<b>Total</b>	<b>68</b>			<b>9</b>		

Notes:

<sup>1</sup> Haul volume based on remediation from two parcels provided by the Applicant.

<sup>2</sup> CalEEMod default for haul truck capacity.

<sup>3</sup> CalEEMod default for haul distance.

**Architectural Coating**

Percent Interior Painted:	100%
Percent Exterior Painted:	100%
	<b>g/L</b>
Interior Paint VOC content:	100
Exterior Paint VOC content:	100

Structures	Land Use Square Feet	CalEEMod Factor <sup>2</sup>	Total Paintable Surface Area	Paintable Interior Area <sup>1</sup>	Paintable Exterior Area <sup>1</sup>
<b>Non-Residential Structures</b>					
Elementary School	61,149	2.0	122,298	91,724	30,575
High School	22,000	2.0	44,000	33,000	11,000
Option 3 Buildings to Remain	10,716	2.0	21,432	16,074	5,358
<b>Total</b>	<b>93,865</b>		<b>122,298</b>	<b>140,798</b>	<b>46,933</b>
<b>Parking<sup>3</sup></b>					
Parking Lot (Striping)	51,800	6%	3,108	-	3,108
			<b>Total 3,108</b>		<b>3,108</b>

Notes

<sup>1</sup> CalEEMod methodology calculates the paintable interior and exterior areas by multiplying the total paintable surface area by 75 and 25 percent, respectively.

<sup>2</sup> The program assumes the total surface for painting equals 2.7 times the floor square footage for residential and 2 times that for nonresidential square footage defined by the user.

<sup>3</sup> Architectural coatings for the parking lot is based on CalEEMod methodology applied to a surface parking lot (i.e., striping), in which 6% of surface area is painted.

**Construction Mitigation**

**South Coast AQMD Rule 403**

Replace Ground Cover	PM10:	5	% Reduction
Replace Ground Cover	PM2.5:	5	% Reduction

Water Exposed Area	Frequency:	2	per day
	PM10:	55	% Reduction
	PM25:	55	% Reduction

Unpaved Roads	Vehicle Speed:	15	mph
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<b>SCAQMD Rule 1186</b>	Clean Paved Road	9	% PM Reduction
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**Riverside Public Utilities Carbon Intensity Factors<sup>1</sup>**

	lbs/MWH
CO <sub>2</sub> :	789.98
CH <sub>4</sub> :	0.033
N <sub>2</sub> O:	0.004

Notes:

<sup>1</sup> CalEEMod default values.

Global Warming Potentials (GWP)		
	AR4	AR5
CO <sub>2</sub>	1	1
CH <sub>4</sub>	25	28
N <sub>2</sub> O	298	265

Based on Intergovernmental Panel on Climate Change Fourth Assessment Report global warming potentials for CH4 and N2O; Intergovernmental Panel on Climate Change (IPCC).

### Construction Activities and Schedule Assumptions: Option 3

based on total duration provided by Applicant

#### Construction Schedule (Option 3)

Construction Activities	Phase Type	Start Date	End Date	CalEEMod Duration (Workday)
Building and Asphalt Demolition	Demolition	1/1/2026	4/14/2026	74
<i>Building and Asphalt Demolition Debris Haul</i>	<i>Demolition</i>	<i>2/15/2026</i>	<i>4/14/2026</i>	<i>42</i>
Site Preparation	Site Preparation	4/15/2026	5/29/2026	33
<i>Site Preparation Soil Haul</i>	<i>Site Preparation</i>	<i>5/29/2026</i>	<i>5/29/2026</i>	<i>1</i>
Rough Grading	Grading	5/31/2026	7/20/2026	36
Utility Trenching	Trenching	7/21/2026	9/20/2026	44
Fine Grading	Grading	9/21/2026	10/20/2026	22
Building Construction	Building Construction	10/21/2026	6/5/2028	424
Architectural Coating	Architectural Coating	2/18/2028	6/5/2028	77
Asphalt Paving	Paving	3/8/2028	6/5/2028	64
Finishing/Landscaping	Finishing/Landscaping	6/6/2028	7/15/2028	29

#### Overlapping Construction Schedule (Option 3)

Construction Activities	Start Date	End Date	CalEEMod Duration (Workday)
Building and Asphalt Demolition	1/1/2026	2/14/2026	32
Building/Asphalt Demolition & Building/Asphalt Demolition Debris Haul	2/15/2026	4/14/2026	42
Site Preparation	4/15/2026	5/28/2026	32
Site Preparation and Site Preparation Soil Haul	5/29/2026	5/29/2026	1
Rough Grading	5/31/2026	7/20/2026	36
Utility Trenching	7/21/2026	9/20/2026	44
Fine Grading	9/21/2026	10/20/2026	22
Building Construction 2026	10/21/2026	12/31/2026	52
Building Construction 2027	1/1/2027	12/31/2027	261
Building Construction 2028	1/1/2028	2/17/2028	34

Architectural Coating and Building Construction 2028	2/18/2028	3/7/2028	13
Architectural Coating, Building Construction 2028, and Asphalt Paving	3/8/2028	6/5/2028	64
Finishing/Landscaping	6/6/2028	7/15/2028	29

## Musco Stadium Lighting Calculations - Eastside Neighborhood School, Operations (Option 2)

### Riverside Public Utilities Carbon Intensity Factors<sup>1</sup>

	lbs/MWH
CO <sub>2</sub> :	789.98
CH <sub>4</sub> :	0.033
N <sub>2</sub> O:	0.004

Notes:

<sup>1</sup> CalEEMod default values.

Global Warming Potentials (GWP)		
	AR4	AR5
CO <sub>2</sub>	1	1
CH <sub>4</sub>	25	28
N <sub>2</sub> O	298	265

Based on Intergovernmental Panel on Climate Change Fourth Assessment Report global warming potentials for CH<sub>4</sub> and N<sub>2</sub>O; Intergovernmental Panel on Climate Change (IPCC).

### Lighting (Electricity Use)

Electricity:	Total Load kW <sup>1</sup>	Total Days <sup>2</sup>	Average Hours per Day <sup>3</sup>	Total Hours for Events	Total Kwh Hours
Practices/Games	89.84	365	5	1825	163,958
<b>Total Annual kWh</b>					<b>163,958</b>

### Calculation of GHGs from Field Lighting

CO <sub>2</sub> <sup>4</sup>	CH <sub>4</sub> <sup>4</sup>	N <sub>2</sub> O <sup>4</sup>	CO <sub>2</sub> e	CO <sub>2</sub> e	CO <sub>2</sub> e
lbs/Mwh	lbs/Mwh	lbs/Mwh	lbs/Mwh	lbs/Kwh	MT/Kwh
789.98300	0.03300	0.00400	790.02	0.790	0.000358
				<b>lb CO<sub>2</sub>/Year</b>	<b>MT/Year</b>
				<b>CO<sub>2</sub>e from Lighting</b>	<b>129,530</b>
					<b>71.39</b>

lb to Tons    2000  
Tons to Mtons                                      0.9071847

Notes

<sup>1</sup> Based on musco lighting plan data from a similar school project.

<sup>2</sup> Lights will operate everyday under Option 2 for joint use with school and community park usage.

<sup>3</sup> Based on five hours per day maximum.

<sup>4</sup>

California Air Pollution Control Officers Association (CAPCOA). 2016. California Emissions Estimator Model (CalEEMod), Version 2020.4.0. Based on the California Air Resources Board (CARB) Local Government Operations Protocol (LGO) for CO<sub>2</sub> and E-Grid values for CH<sub>4</sub> and N<sub>2</sub>O. Appendix D, Default Data Tables. Table 1.2, Electrical Utility Emission Factors of GHGs.

## CalEEMod Inputs - Eastside Neighborhood School, Operations (Option 3 & Option 2)

**Name:** Eastside Neighborhood School, Operation  
**Project Number:** RIV-30  
**Project Location:** 4341 Victoria Avenue  
**County/Air Basin:** Riverside  
**Climate Zone:** 10  
**Land Use Setting:** Urban  
**Operational Year:** 2028  
**Utility Company:** Riverside Public Utilities  
**Air Basin:** South Coast Air Basin  
**Air District:** South Coast AQMD  
**SRA:** 23 - Metropolitan Riverside

Project Site Acreage 8.62

<i>Option 3 Buildings to Remain</i>	<i>SQFT</i>	<i>Building Footprint</i>	<i>ACRES</i>
Multi-Purpose Room	8,743	8,743	0.20
Bungalow	1,973	1,973	0.05

Notes:

<sup>1</sup> Historical building on the existing high school campus that will remain at buildout.

## CalEEMod Land Use Inputs

<b>Option 3 Land Use Type</b>	<b>Land Use Subtype</b>	<b>Unit Amount</b>	<b>Size Metric</b>	<b>Lot Acreage</b>	<b>Land Use Square Feet</b>
Educational	Elementary School	800	students	0.80	61,149
Educational <sup>1</sup>	High School	200	students	0.50	32,716
Parking	Parking Lot	51.80	1000 sqft	1.19	51,800
Parking (non-parking asphalt)	Other asphalt surfaces	64.53	1000 sqft	1.48	64,532
Parking (non-asphalt surfaces)	Other non-asphalt surfaces	202.58	1000 sqft	4.65	202,582
<b>Total</b>				<b>8.62</b>	<b>412,779</b>

Notes:

<sup>1</sup> Included the multi-purpose and bungalow buildings that will remain from existing site to account for historical energy use.



**Trips - Provided by Garland & Associates**

Source: Garland & Associates. 2022, June (Revised). Traffic Impact Analysis for the Proposed Eastside Elementary School.

Land Use Type	Increase in Average Daily Trips	CalEEMod Trip Rate	Increase in Saturday Trips	CalEEMod Trip Rate	Increase in Sunday Trips	CalEEMod Trip Rate
Elementary School <sup>1</sup>	1,820	2.28	0	0.00	0	0.00
Parking (Other non-asphalt surfaces) <sup>2</sup>	160	0.79	160	0.79	160	0.79
<b>Total</b>	<b>1,980</b>					
<b>Net</b>	<b>1,260</b>					

Trips	Annual Vehicle Miles Traveled <sup>3</sup>	Average Daily VMT <sup>4</sup>
<b>Total Trips</b>	<b>6,475,747</b>	<b>17,791</b>

Notes:

- <sup>1</sup> Assume no trips during the weekend based on operation of the school hours. High school would be reconstructed with new on-site buildings under Option 3, however the number of students and volumes of generated traffic would remain the same.
- <sup>2</sup> Modeling worst-case scenario for trips, use Parking (Other non-asphalt surfaces) land use type to account for the additional joint-use park daily trips.
- <sup>3</sup> Annual VMT is from CalEEMod.
- <sup>4</sup> Daily VMT is calculated based on annual weekday VMT / 364 days per year.

Trip Type Percentages			
	Primary	Diverted	Passby
Elementary School	63%	25%	12%
Parking (Other non-asphalt surfaces)	0%	0%	0%
<b>Adjusted Trip Type Percentages</b>	<b>100%</b>	<b>0%</b>	<b>0%</b>

**Water Use and Wastewater Generation<sup>1</sup>**

Land Use	Indoor <sup>2</sup>	Outdoor <sup>3</sup>	Total
<b>Total Water Use (gal/year)</b>	<b>2,820,384</b>	<b>2,170,411</b>	<b>4,990,795</b>

Notes:

- <sup>1</sup> Wastewater is treated by the City of Riverside Public Utilities, which provides tertiary treated wastewater throughout Riverside County. Therefore, CalEEMod defaults reflect 100% aerobic treatment.
- <sup>2</sup> CalEEMod default used.
- <sup>3</sup> Calculated outdoor water use was based on 145,000 sqft of landscape area under Option 2 for most conservative analysis and water calculations were based on Maximum Applied Water Allowance (MAWA) Calculations for New and Rehabilitated Non-Residential Landscapes.

**Solid Waste<sup>1</sup>**

Land Use	lbs/day	tons/day	tons/year
Elementary School <sup>2</sup>	505	0.25	92
High School	100	0.05	18.3
<b>TOTAL</b>	<b>605</b>	<b>0.30</b>	<b>110.4</b>

Notes:

- <sup>1</sup> See Section 8.12, Utilities and Services Systems. Assume 0.5 pounds per day per student of solid waste generation factor.

<sup>2</sup> Includes solid waste value associated with 210 users of the joint-use park feature under Option 2 as worst-case scenario. Assume 0.5 pounds per day per person of solid waste generation factor.

**Architectural Coating**

\* See Architectural Coating for Construction Model

**Hearths**

No fireplaces or barbecue grills for school uses.

**Electricity (Buildings)**

**Default CalEEMod Energy Use**

Land Use Subtype	Title-24 Electricity Energy Intensity (kWhr/size/year)*	Nontitle-24 Electricity Energy Intensity (kWhr/size/year)	Lighting Energy Intensity (KWhr/size/year)	Title-24 Natural Gas Energy Intensity (KBTU/size/year)*	Nontitle-24 Natural Gas Energy Intensity (KBTU/size/year)
Elementary School	2.49	1.49	3.03	6.9	1.79
High School	2.49	1.49	3.03	6.9	1.79
Parking Lot	0	0	0.35	0	0

Notes:

<sup>1</sup> Bungalow and multi-purpose room uses historical energy use rates.

**Remaining Uses (Pre 2005 Building Code). Based on the "Historic Rates" in CalEEMod**

Land Use Subtype	Title-24 Electricity Energy Intensity (kWhr/size/year)*	Nontitle-24 Electricity Energy Intensity (kWhr/size/year)	Lighting Energy Intensity (KWhr/size/year)	Title-24 Natural Gas Energy Intensity (KBTU/size/year)*	Nontitle-24 Natural Gas Energy Intensity (KBTU/size/year)
High School (Multi-Purpose Room & Bungalow)	3.64	1.49	4.52	8.05	1.79

Land Use Type	Remaining Historical Land Uses	New Land Uses	Total
High School (Multi-Purpose Room & Bungalow)	10,716	22,000	32,716.00

**Adjusted CalEEMod Energy Use**

Land Use Subtype	Title-24 Electricity Energy Intensity (kWhr/size/year)*	Nontitle-24 Electricity Energy Intensity (kWhr/size/year)	Lighting Energy Intensity (KWhr/size/year)	Title-24 Natural Gas Energy Intensity (KBTU/size/year)*	Nontitle-24 Natural Gas Energy Intensity (KBTU/size/year)
Elementary School	2.49	1.49	3.03	6.90	1.79
High School	2.87	1.49	3.52	7.28	1.79
Parking Lot	0.00	0.00	0.35	0.00	0.00

Notes:

<sup>1</sup> Adjusted CalEEMod Energy use reflects blended CalEEMod default energy rates for historical and new uses.

**Riverside Public Utilities Carbon Intensity Factors<sup>1</sup>**

	lbs/MWH
CO <sub>2</sub> :	789.98
CH <sub>4</sub> :	0.033
N <sub>2</sub> O:	0.004

Notes:

<sup>1</sup> CalEEMod default values.

**CalEEMod Inputs - Eastside Neighborhood School, Existing Conditions**

**Name:** Eastside Neighborhood School, Existing Conditions  
**Project Number:** RIV-30  
**Project Location:** 4341 Victoria Avenue  
**County/Air Basin:** Riverside  
**Climate Zone:** 10  
**Land Use Setting:** Urban  
**Operational Year:** 2022, 2028  
**Utility Company:** Riverside Public Utilities  
**Air Basin:** South Coast Air Basin  
**Air District:** South Coast AQMD  
**SRA:** 23 - Metropolitan Riverside

**Project Site Acreage** 8.62

**CalEEMod Land Use Inputs**

Land Use Type	Land Use Subtype	Unit Amount	Size Metric	Lot Acreage	Land Use Square Feet
Residential (Blocks B + C)	Single Family Housing	11	dwelling units	1.71	74,368
Retail (Tire store + Auto parts/services)	Automobile Care Center	11.02	1000 sqft	0.25	11,019
Educational	High School	50.85	1000 sqft	1.17	50,847
Parking	Other asphalt surfaces	17.00	1000 sqft	0.39	17,000
Parking	Other non-asphalt surface	149.81	1000 sqft	3.44	149,805
Parking	Parking Lot	72.45	1000 sqft	1.66	72,448
				<b>8.62</b>	

**Trips - Provided by Garland & Associates**

Source: Garland & Associates. 2022, June (Revised). Traffic Impact Analysis for the Proposed Eastside Elementary School.

Land Use Type	Average Daily Trips	CalEEMod Trip Rate	Saturday Trips	CalEEMod Trip Rate	Sunday Trips	CalEEMod Trip
Residential Homes	100	9.09	100	9.09	100	9.09
Retail	240	21.78	240	21.78	240	21.78
High School <sup>1</sup>	380	7.47	0	0.00	0	0.00
<b>Total</b>	<b>720</b>	<b>100</b>	<b>340</b>		<b>340</b>	

Trips	Annual Vehicle Miles Traveled <sup>2</sup>	Average Daily VMT <sup>3</sup>
<b>Total Trips</b>	<b>2,782,493</b>	<b>7,644</b>

Notes:

<sup>1</sup> Assume no trips during the weekend based on operation of the school hours.

<sup>2</sup> CalEEMod Default Annual VMT used.

<sup>3</sup> Daily VMT is calculated based on annual weekday VMT / 364 days per year.

	Trip Type Percentages		
	Primary	Diverted	Passby
Residential Homes	86%	11%	3%
Retail	21%	51%	28%
High School	75%	19%	6%
<b>Adjusted Trip Type Percentages</b>	<b>100%</b>	<b>0%</b>	<b>0%</b>

**Water Use<sup>1</sup>**

Land Use	Indoor <sup>2</sup>	Outdoor <sup>3</sup>	Total
<b>Total Water Use (gal/year)</b>	<b>3,441,924</b>	<b>2,242,334</b>	<b>5,684,258</b>

Notes:

<sup>1</sup>

Wastewater is treated by the City of Riverside Public Utilities, which provides tertiary treated wastewater throughout Riverside County. Therefore, CalEEMod defaults reflect 100% aerobic treatment.

<sup>2</sup> CalEEMod default used.

<sup>3</sup> Outdoor water calculations based on Maximum Applied Water Allowance (MAWA) Calculations for New and Rehabilitated Non-Residential Landscapes.

**Solid Waste**

Land Use	(tons/year)
Residential Homes	12.71
Retail	42.10
High School	66.11

Notes:

<sup>1</sup> Used CalEEMod defaults.

**Architectural Coating**

Building Interior Painted (%):	100%	
Building Exterior Painted (%):	100%	
	<b>Commercial g/L</b>	<b>Residential g/L</b>
Interior Paint VOC content:	100	50
Exterior Paint VOC content:	100	50

Structures	Land Use Square Feet	CalEEMod Factor <sup>1</sup>	Total Paintable Surface		Paintable Exterior
			Area	Paintable Interior Area <sup>2</sup>	Area <sup>2</sup>
<b>Non-Residential Structures</b>					
Residential (Blocks B + C)	74,368	2.7	200,794	150,595	50,198
Retail	11,019	2.0	22,038	16,529	5,510
High School	50,847	2.0	101,694	76,271	25,424
			<b>Non-residential Total</b>	<b>92,799</b>	<b>30,933</b>
<b>Parking<sup>3</sup></b>					
Parking Lot	72,448	6%	4,347	-	4,347
					<b>4,347</b>

Notes:

<sup>1</sup> The program assumes the total surface for painting equals 2.7 times the floor square footage for residential and 2 times that for nonresidential square footage defined by the user.

<sup>2</sup> CalEEMod methodology calculates the paintable interior and exterior areas by multiplying the total paintable surface area by 75 and 25 percent, respectively.

<sup>3</sup> Architectural coatings for the parking lot is based on CalEEMod methodology applied to a surface parking lot (i.e., striping), in which 6% of surface area is painted.

**Hearths**

\*CalEEMod defaults

**Electricity (Buildings)**

Existing residential and non-residential modeled using historic energy demand rates in CalEEMod. Modeling is conservative because the net increase in energy use due to the project is likely smaller than reflected due to improved building energy efficiency between the project and existing land uses.

**Default CalEEMod Energy Use - Existing Uses based on Historic Rates in CalEEMod**

Land Use Subtype	Title-24 Electricity Energy Intensity (kWhr/size/year)*	Nontitle-24 Electricity Energy Intensity (kWhr/size/year)	Lighting Energy Intensity (kWhr/size/year)	Title-24 Natural Gas Energy Intensity (KBTU/size/year)*	Nontitle-24 Natural Gas Energy Intensity (KBTU/size/year)
Residential (Blocks B + C)	199.85	6,155.97	1,608.84	22,256.94	6,030.00
Retail	1.97	5.02	2.93	15.20	17.13
High School	2.49	1.49	3.03	6.90	1.79
Parking Lot	0.00	0.00	0.35	0.00	0.00

**Riverside Public Utilities Carbon Intensity Factors<sup>1</sup>**

	lbs/MWH
CO <sub>2</sub> :	789.98
CH <sub>4</sub> :	0.033
N <sub>2</sub> O:	0.004

Notes:

<sup>1</sup> CalEEMod default values.

## CalEEMod Construction Off-Road Equipment Inputs

\*Based on CalEEMod default equipment mix

General Construction Hours: 8 hrs btwn 7:00 AM to 4:00 PM (with 1 hr break), Mon-Fri

Construction Equipment Details					
Equipment	# of Equipment	hr/day	hp	load factor*	total trips/Day
<b>Building &amp; Asphalt Demolition<sup>1</sup></b>					
Concrete/Industrial Saws	1	8	81		
Excavators	3	8	158		
Rubber Tired Dozers	2	8	247		
Worker Trips					15
Vendor Trips					0
Hauling Trips (TOTAL TRIPS)					0
Water Truck Trips (Added to Vendor Trips)					4
<b>Building &amp; Asphalt Demolition Debris Haul</b>					
no additional equipment required for soil haul beyond what is needed for building and asphalt demolition					
Worker Trips					0
Vendor Trips					0
Hauling Trips (TOTAL TRIPS)					575
<b>Site Preparation</b>					
Rubber Tired Dozers	3	8	247		
Tractors/Loaders/Backhoes	4	8	97		
Worker Trips					18
Vendor Trips					0
Hauling Trips (TOTAL TRIPS)					0
Water Truck Trips (Added to Vendor Trips)					4
<b>Site Preparation Soil Haul</b>					
no additional equipment required for soil haul beyond what is needed for site preparation					



Worker Trips	0
Vendor Trips	0
Hauling Trips (TOTAL TRIPS)	9

**Rough Grading**

Excavators	1	8	158		
Graders	1	8	187		
Rubber Tired Dozers	1	8	247		
Tractors/Loaders/Backhoes	3	8	97		
Worker Trips					15
Vendor Trips					0
Hauling Trips (TOTAL TRIPS)					0
Water Truck Trips (Added to Vendor Trips)					4

**Utilities Trenching<sup>1</sup>**

Tractors/Loaders/Backhoes	2	8	97		
Worker Trips					5
Vendor Trips					0
Hauling Trips (TOTAL TRIPS)					0

**Fine Grading**

Excavators	1	8	158		
Graders	1	8	187		
Rubber Tired Dozers	1	8	247		
Tractors/Loaders/Backhoes	3	8	97		
Worker Trips					15
Vendor Trips					0
Hauling Trips (TOTAL TRIPS)					0
Water Truck Trips (Added to Vendor Trips)					4

**Building Construction**

Cranes	1	7	231		
Forklifts	3	8	89		
Generator Sets	1	8	84		
Tractors/Loaders/Backhoes	3	7	97		
Welders	1	8	46		
Worker Trips					169
Vendor Trips					66
Hauling Trips (TOTAL TRIPS)					0

**Asphalt Paving**

Pavers	2	8	130		
Paving equipment	2	8	132		
Rollers	2	8	80		
Worker Trips					15
Vendor Trips					0
Hauling Trips (TOTAL TRIPS)					0

**Architectural Coating**

Air Compressors	1	6	78		
Worker Trips					34
Vendor Trips					0
Hauling Trips (TOTAL TRIPS)					0

**Finishing/Landscaping<sup>1</sup>**

Forklifts	1	8	89		
Tractors/Loaders/Backhoes	1	8	97		

Worker Trips	5
Vendor Trips	0
Hauling Trips (TOTAL TRIPS)	0

Notes:

<sup>1</sup> Assume shared equipment during asphalt and building demolition phases.

<sup>1</sup> Based on equipment mix for other construction projects of similar size.

## Demo Haul Trip Calculation

### Conversion factors\*

0.046 ton/SF  
 1.2641662 tons/cy  
 20 tons  
 15.82070459 CY  
 0.791035229 CY/ton

\*CalEEMod User's Guide Version 2020.4, Appendix A

Building	BSF Demo	Tons/SF	Tons
Buildings	45,505	0.046	2093.23
<b>Total Building Demo</b>	45,505	0	2,093

Notes:

1

26,167 square feet on Blocks B/C and 19,338 square feet on Lincoln High School

### Changes to the CalEEMod Defaults - Fleet Mix, Existing Conditions (2022 and 2028) and Operational Conditions

High School		Weekday Trips													380
Default	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH		
FleetMix (Model Default)	0.54674	0.057179	0.175858	0.130671	0.023703	0.006761	0.011662	0.018217	0.000605	0.000288	0.022975	0.001086	0.004255	100%	
Trips	208	22	67	50	9	3	4	7	0	0	9	0	2	380	
Percent	80%			13%	7%									100%	
without buses/MH	0.546740	0.057179	0.175858	0.130671	0.023703	0.006761	0.011662	0.018217	0	0	0.022975	0	0	99%	
Percent	80%			13%	6%									99%	
Adjusted without buses/MH	0.546740	0.057179	0.175858	0.130671	0.026152	0.007459	0.012867	0.020099	0	0	0.025349	0	0	100%	
Percent adjusted	81%			13%	7%									100%	
Assumed Mix	97.0%			2.00%	1.00%									100%	
adjusted with Assumed	0.658702	0.068888	0.211870	0.020000	0.003928	0.001120	0.001933	0.003019	0.000000	0.000000	0.030539	0.000000	0.000000	100%	
Percent Check:	97%			2%	1%										
Trips	250	26	81	8	1	0	1	1	0	0	12	0	0	380	
	369			8	4										

Fleet mix for the project is modified to reflect a higher proportion of passenger vehicles than the regional VMT. Assumes a mix of approximately 97% passenger vehicles, 2% medium duty trucks, and 1% heavy duty trucks and buses.

Residential Homes		Weekday Trips													100
Default	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH		
FleetMix (Model Default)	0.54674	0.057179	0.175858	0.130671	0.023703	0.006761	0.011662	0.018217	0.000605	0.000288	0.022975	0.001086	0.004255	100%	
Trips	55	6	18	13	2	1	1	2	0	0	2	0	0	100	
Percent	80%			13%	7%									100%	
without buses/MH	0.546740	0.057179	0.175858	0.130671	0.023703	0.006761	0.011662	0.018217	0	0	0.022975	0	0	99%	
Percent	80%			13%	6%									99%	
Adjusted without buses/MH	0.546740	0.057179	0.175858	0.130671	0.026152	0.007459	0.012867	0.020099	0	0	0.025349	0	0	100%	
Percent adjusted	81%			13%	7%									100%	
Assumed Mix	97.0%			2.00%	1.00%									100%	
adjusted with Assumed	0.658702	0.068888	0.211870	0.020000	0.003928	0.001120	0.001933	0.003019	0.000000	0.000000	0.030539	0.000000	0.000000	100%	
Percent Check:	97%			2%	1%										
Trips	66	7	21	2	0	0	0	0	0	0	3	0	0	100	
	97			2	1										

Fleet mix for the project is modified to reflect a higher proportion of passenger vehicles than the regional VMT. Assumes a mix of approximately 97% passenger vehicles, 2% medium duty trucks, and 1% heavy duty trucks and buses.

Joint-Use Park		Weekday Trips													160
Default	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH		
FleetMix (Model Default)	0.54674	0.057179	0.175858	0.130671	0.023703	0.006761	0.011662	0.018217	0.000605	0.000288	0.022975	0.001086	0.004255	100%	
Trips	87	9	28	21	4	1	2	3	0	0	4	0	1	160	

Percent	80%			13%	7%										100%
without buses/MH	0.546740	0.057179	0.175858	0.130671	0.023703	0.006761	0.011662	0.018217	0	0	0.022975	0	0		99%
Percent	80%			13%	6%										99%
Adjusted without buses/MH	0.546740	0.057179	0.175858	0.130671	0.026152	0.007459	0.012867	0.020099	0	0	0.025349	0	0		100%
Percent adjusted	81%			13%	7%										100%
Assumed Mix	97.0%			2.00%	1.00%										100%
<b>adjusted with Assumed</b>	<b>0.658702</b>	<b>0.068888</b>	<b>0.211870</b>	<b>0.020000</b>	<b>0.003928</b>	<b>0.001120</b>	<b>0.001933</b>	<b>0.003019</b>	<b>0.000000</b>	<b>0.000000</b>	<b>0.030539</b>	<b>0.000000</b>	<b>0.000000</b>		<b>100%</b>
Percent Check:	97%			2%	1%										
Trips	66	7	21	2	0	0	0	0	0	0	3	0	0		100
	97			2	1										

Fleet mix for the project is modified to reflect a higher proportion of passenger vehicles than the regional VMT. Assumes a mix of approximately 97% passenger vehicles, 2% medium duty trucks, and 1% heavy duty trucks and buses.

# Emissions Worksheet

## Regional Construction Emissions Worksheet (Option 3):

Building and Asphalt Demolition			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		<b>2026 Winter</b>						
	Off-Road		2.09	19.20	19.42	0.04	0.85	0.79
	Total		<b>2.09</b>	<b>19.20</b>	<b>19.42</b>	<b>0.04</b>	<b>0.85</b>	<b>0.79</b>
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.00	0.14	0.05	0.00	0.03	0.01
	Worker		0.04	0.03	0.36	0.00	0.16	0.04
	Total		<b>0.05</b>	<b>0.16</b>	<b>0.42</b>	<b>0.00</b>	<b>0.18</b>	<b>0.05</b>
<b>TOTAL</b>			<b>2.14</b>	<b>19.36</b>	<b>19.84</b>	<b>0.04</b>	<b>1.03</b>	<b>0.84</b>
Onsite		<b>2026</b>						
	Off-Road		2.09	19.20	19.42	0.04	0.85	0.79
	Total		<b>2.09</b>	<b>19.20</b>	<b>19.42</b>	<b>0.04</b>	<b>0.85</b>	<b>0.79</b>
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.00	0.14	0.05	0.00	0.03	0.01
	Worker		0.04	0.03	0.36	0.00	0.16	0.04
	Total		<b>0.05</b>	<b>0.16</b>	<b>0.42</b>	<b>0.00</b>	<b>0.18</b>	<b>0.05</b>
<b>TOTAL</b>			<b>2.14</b>	<b>19.36</b>	<b>19.84</b>	<b>0.04</b>	<b>1.03</b>	<b>0.84</b>



**Building and Asphalt Demolition Debris Haul**

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		<b>2026 Winter</b>					
	Fugitive Dust					1.26	0.19
	Off-Road	0.00	0.00	0.00	0.00	0.00	0.00
	Total	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>1.26</b>	<b>0.19</b>
Offsite							
	Hauling	0.03	1.42	0.39	0.01	0.24	0.08
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.00	0.00	0.00	0.00	0.00	0.00
	Total	<b>0.03</b>	<b>1.42</b>	<b>0.39</b>	<b>0.01</b>	<b>0.24</b>	<b>0.08</b>
<b>TOTAL</b>		<b>0.03</b>	<b>1.42</b>	<b>0.39</b>	<b>0.01</b>	<b>1.50</b>	<b>0.27</b>
Onsite		<b>2026</b>					
	Fugitive Dust	0.00	0.00	0.00	0.00	1.26	0.19
	Off-Road	0.00	0.00	0.00	0.00	0.00	0.00
	Total	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>1.26</b>	<b>0.19</b>
Offsite							
	Hauling	0.03	1.42	0.39	0.01	0.24	0.08
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.00	0.00	0.00	0.00	0.00	0.00
	Total	<b>0.03</b>	<b>1.42</b>	<b>0.39</b>	<b>0.01</b>	<b>0.24</b>	<b>0.08</b>
<b>TOTAL</b>		<b>0.03</b>	<b>1.42</b>	<b>0.39</b>	<b>0.01</b>	<b>1.50</b>	<b>0.27</b>

Site Preparation			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		<b>2026 Winter</b>						
	Fugitive Dust						8.40	4.32
	Off-Road		2.47	25.23	17.91	0.04	1.09	1.00
	Total		<b>2.47</b>	<b>25.23</b>	<b>17.91</b>	<b>0.04</b>	<b>9.49</b>	<b>5.32</b>
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.00	0.14	0.05	0.00	0.03	0.01
	Worker		0.05	0.03	0.44	0.00	0.19	0.05
	Total		<b>0.05</b>	<b>0.17</b>	<b>0.49</b>	<b>0.00</b>	<b>0.21</b>	<b>0.06</b>
<b>TOTAL</b>			<b>2.53</b>	<b>25.40</b>	<b>18.40</b>	<b>0.04</b>	<b>9.70</b>	<b>5.38</b>
Onsite		<b>2026</b>						
	Fugitive Dust		0.00	0.00	0.00	0.00	8.40	4.32
	Off-Road		2.47	25.23	17.91	0.04	1.09	1.00
	Total		<b>2.47</b>	<b>25.23</b>	<b>17.91</b>	<b>0.04</b>	<b>9.49</b>	<b>5.32</b>
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.00	0.14	0.05	0.00	0.03	0.01
	Worker		0.05	0.03	0.44	0.00	0.19	0.05
	Total		<b>0.05</b>	<b>0.17</b>	<b>0.49</b>	<b>0.00</b>	<b>0.21</b>	<b>0.06</b>
<b>TOTAL</b>			<b>2.53</b>	<b>25.40</b>	<b>18.40</b>	<b>0.04</b>	<b>9.70</b>	<b>5.38</b>

Site Preparation Soil Haul			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		<b>2026 Winter</b>						
	Fugitive Dust						0.00	0.00
	Off-Road		0.00	0.00	0.00	0.00	0.00	0.00
	Total		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
Offsite								
	Hauling		0.02	0.93	0.26	0.00	0.16	0.05
	Vendor		0.00	0.00	0.00	0.00	0.00	0.00
	Worker		0.00	0.00	0.00	0.00	0.00	0.00
	Total		<b>0.02</b>	<b>0.93</b>	<b>0.26</b>	<b>0.00</b>	<b>0.16</b>	<b>0.05</b>
<b>TOTAL</b>			<b>0.02</b>	<b>0.93</b>	<b>0.26</b>	<b>0.00</b>	<b>0.16</b>	<b>0.05</b>
Onsite		<b>2026</b>						
	Fugitive Dust		0.00	0.00	0.00	0.00	0.00	0.00
	Off-Road		0.00	0.00	0.00	0.00	0.00	0.00
	Total		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
Offsite								
	Hauling		0.02	0.93	0.26	0.00	0.16	0.05
	Vendor		0.00	0.00	0.00	0.00	0.00	0.00
	Worker		0.00	0.00	0.00	0.00	0.00	0.00
	Total		<b>0.02</b>	<b>0.93</b>	<b>0.26</b>	<b>0.00</b>	<b>0.16</b>	<b>0.05</b>
<b>TOTAL</b>			<b>0.02</b>	<b>0.93</b>	<b>0.26</b>	<b>0.00</b>	<b>0.16</b>	<b>0.05</b>

Rough Grading			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		<b>2026 Winter</b>						
	Fugitive Dust						3.03	1.46
	Off-Road		1.52	15.31	14.54	0.03	0.62	0.57
	Total		<b>1.52</b>	<b>15.31</b>	<b>14.54</b>	<b>0.03</b>	<b>3.65</b>	<b>2.04</b>
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.00	0.14	0.05	0.00	0.03	0.01
	Worker		0.04	0.03	0.36	0.00	0.16	0.04
	Total		<b>0.05</b>	<b>0.16</b>	<b>0.42</b>	<b>0.00</b>	<b>0.18</b>	<b>0.05</b>
<b>TOTAL</b>			<b>1.57</b>	<b>15.48</b>	<b>14.96</b>	<b>0.03</b>	<b>3.83</b>	<b>2.09</b>
Onsite		<b>2026</b>						
	Fugitive Dust		0.00	0.00	0.00	0.00	3.03	1.46
	Off-Road		1.52	15.31	14.54	0.03	0.62	0.57
	Total		<b>1.52</b>	<b>15.31</b>	<b>14.54</b>	<b>0.03</b>	<b>3.65</b>	<b>2.04</b>
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.00	0.14	0.05	0.00	0.03	0.01
	Worker		0.04	0.03	0.36	0.00	0.16	0.04
	Total		<b>0.05</b>	<b>0.16</b>	<b>0.42</b>	<b>0.00</b>	<b>0.18</b>	<b>0.05</b>

<b>TOTAL</b>		<b>1.57</b>	<b>15.48</b>	<b>14.96</b>	<b>0.03</b>	<b>3.83</b>	<b>2.09</b>
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### Utility Trenching

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	<b>2026 Winter</b>						
	Off-Road	0.26	2.67	4.46	0.01	0.11	0.10
	Total	<b>0.26</b>	<b>2.67</b>	<b>4.46</b>	<b>0.01</b>	<b>0.11</b>	<b>0.10</b>
Offsite	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.01	0.01	0.12	0.00	0.05	0.01
	Total	<b>0.01</b>	<b>0.01</b>	<b>0.12</b>	<b>0.00</b>	<b>0.05</b>	<b>0.01</b>
<b>TOTAL</b>		<b>0.28</b>	<b>2.68</b>	<b>4.58</b>	<b>0.01</b>	<b>0.16</b>	<b>0.11</b>
Onsite	<b>2026</b>						
	Off-Road	0.26	2.67	4.46	0.01	0.11	0.10
	Total	<b>0.26</b>	<b>2.67</b>	<b>4.46</b>	<b>0.01</b>	<b>0.11</b>	<b>0.10</b>
Offsite	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.01	0.01	0.12	0.00	0.05	0.01
	Total	<b>0.01</b>	<b>0.01</b>	<b>0.12</b>	<b>0.00</b>	<b>0.05</b>	<b>0.01</b>
<b>TOTAL</b>		<b>0.28</b>	<b>2.68</b>	<b>4.58</b>	<b>0.01</b>	<b>0.16</b>	<b>0.11</b>

### Fine Grading

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	<b>2026 Winter</b>						
	Fugitive Dust					3.03	1.46
	Off-Road	1.52	15.31	14.54	0.03	0.62	0.57
	Total	<b>1.52</b>	<b>15.31</b>	<b>14.54</b>	<b>0.03</b>	<b>3.65</b>	<b>2.04</b>
Offsite	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.14	0.05	0.00	0.03	0.01
	Worker	0.04	0.03	0.36	0.00	0.16	0.04
	Total	<b>0.05</b>	<b>0.16</b>	<b>0.42</b>	<b>0.00</b>	<b>0.18</b>	<b>0.05</b>
<b>TOTAL</b>		<b>1.57</b>	<b>15.48</b>	<b>14.96</b>	<b>0.03</b>	<b>3.83</b>	<b>2.09</b>
Onsite	<b>2026</b>						
	Fugitive Dust	0.00	0.00	0.00	0.00	3.03	1.46
	Off-Road	1.52	15.31	14.54	0.03	0.62	0.57
	Total	<b>1.52</b>	<b>15.31</b>	<b>14.54</b>	<b>0.03</b>	<b>3.65</b>	<b>2.04</b>
Offsite	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.14	0.05	0.00	0.03	0.01
	Worker	0.04	0.03	0.36	0.00	0.16	0.04
	Total	<b>0.05</b>	<b>0.16</b>	<b>0.42</b>	<b>0.00</b>	<b>0.18</b>	<b>0.05</b>
<b>TOTAL</b>		<b>1.57</b>	<b>15.48</b>	<b>14.96</b>	<b>0.03</b>	<b>3.83</b>	<b>2.09</b>

### Building Construction 2026

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	<b>2026 Winter</b>						
	Off-Road	1.37	12.47	16.08	0.03	0.53	0.50
	Total	<b>1.37</b>	<b>12.47</b>	<b>16.08</b>	<b>0.03</b>	<b>0.53</b>	<b>0.50</b>
Offsite	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.07	2.25	0.89	0.01	0.41	0.13
	Worker	0.48	0.29	4.10	0.01	1.75	0.47
	Total	<b>0.54</b>	<b>2.53</b>	<b>4.99</b>	<b>0.02</b>	<b>2.16</b>	<b>0.60</b>
<b>TOTAL</b>		<b>1.91</b>	<b>15.00</b>	<b>21.07</b>	<b>0.05</b>	<b>2.69</b>	<b>1.10</b>
Onsite	<b>2026</b>						
	Off-Road	1.37	12.47	16.08	0.03	0.53	0.50
	Total	<b>1.37</b>	<b>12.47</b>	<b>16.08</b>	<b>0.03</b>	<b>0.53</b>	<b>0.50</b>
Offsite	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.07	2.25	0.89	0.01	0.41	0.13
	Worker	0.48	0.29	4.10	0.01	1.75	0.47
	Total	<b>0.54</b>	<b>2.53</b>	<b>4.99</b>	<b>0.02</b>	<b>2.16</b>	<b>0.60</b>
<b>TOTAL</b>		<b>1.91</b>	<b>15.00</b>	<b>21.07</b>	<b>0.05</b>	<b>2.69</b>	<b>1.10</b>

<b>Building Construction 2027</b>							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		<b>2027 Winter</b>					
	Off-Road	1.37	12.47	16.08	0.03	0.53	0.50
	Total	<b>1.37</b>	<b>12.47</b>	<b>16.08</b>	<b>0.03</b>	<b>0.53</b>	<b>0.50</b>
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.07	2.22	0.88	0.01	0.41	0.13
	Worker	0.45	0.26	3.87	0.01	1.75	0.47
	Total	<b>0.52</b>	<b>2.48</b>	<b>4.75</b>	<b>0.02</b>	<b>2.16</b>	<b>0.60</b>
<b>TOTAL</b>		<b>1.88</b>	<b>14.95</b>	<b>20.83</b>	<b>0.05</b>	<b>2.69</b>	<b>1.10</b>
Onsite		<b>2027</b>					
	Off-Road	1.37	12.47	16.08	0.03	0.53	0.50
	Total	<b>1.37</b>	<b>12.47</b>	<b>16.08</b>	<b>0.03</b>	<b>0.53</b>	<b>0.50</b>
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.07	2.22	0.88	0.01	0.41	0.13
	Worker	0.45	0.26	3.87	0.01	1.75	0.47
	Total	<b>0.52</b>	<b>2.48</b>	<b>4.75</b>	<b>0.02</b>	<b>2.16</b>	<b>0.60</b>
<b>TOTAL</b>		<b>1.88</b>	<b>14.95</b>	<b>20.83</b>	<b>0.05</b>	<b>2.69</b>	<b>1.10</b>

<b>Building Construction 2028</b>							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		<b>2028 Winter</b>					
	Off-Road	1.37	12.47	16.08	0.03	0.53	0.50
	Total	<b>1.37</b>	<b>12.47</b>	<b>16.08</b>	<b>0.03</b>	<b>0.53</b>	<b>0.50</b>
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.06	2.21	0.88	0.01	0.41	0.13
	Worker	0.43	0.24	3.67	0.01	1.75	0.47
	Total	<b>0.49</b>	<b>2.44</b>	<b>4.55</b>	<b>0.02</b>	<b>2.16</b>	<b>0.60</b>
<b>TOTAL</b>		<b>1.86</b>	<b>14.91</b>	<b>20.63</b>	<b>0.05</b>	<b>2.69</b>	<b>1.10</b>
Onsite		<b>2028</b>					
	Off-Road	1.37	12.47	16.08	0.03	0.53	0.50
	Total	<b>1.37</b>	<b>12.47</b>	<b>16.08</b>	<b>0.03</b>	<b>0.53</b>	<b>0.50</b>
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.06	2.21	0.88	0.01	0.41	0.13
	Worker	0.43	0.24	3.67	0.01	1.75	0.47
	Total	<b>0.49</b>	<b>2.44</b>	<b>4.55</b>	<b>0.02</b>	<b>2.16</b>	<b>0.60</b>
<b>TOTAL</b>		<b>1.86</b>	<b>14.91</b>	<b>20.63</b>	<b>0.05</b>	<b>2.69</b>	<b>1.10</b>

<b>Architectural Coating</b>							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		<b>2028 Winter</b>					
	Architectural Coating	11.49				0.00	0.00
	Off-Road	0.17	1.15	1.81	0.00	0.05	0.05
	Total	<b>11.66</b>	<b>1.15</b>	<b>1.81</b>	<b>0.00</b>	<b>0.05</b>	<b>0.05</b>
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.09	0.05	0.74	0.00	0.35	0.09
	Total	<b>0.09</b>	<b>0.05</b>	<b>0.74</b>	<b>0.00</b>	<b>0.35</b>	<b>0.09</b>
<b>TOTAL</b>		<b>11.74</b>	<b>1.19</b>	<b>2.55</b>	<b>0.01</b>	<b>0.40</b>	<b>0.15</b>
Onsite		<b>2028</b>					
	Architectural Coating	11.49	0.00	0.00	0.00	0.00	0.00
	Off-Road	0.17	1.15	1.81	0.00	0.05	0.05
	Total	<b>11.66</b>	<b>1.15</b>	<b>1.81</b>	<b>0.00</b>	<b>0.05</b>	<b>0.05</b>
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.09	0.05	0.74	0.00	0.35	0.09
	Total	<b>0.09</b>	<b>0.05</b>	<b>0.74</b>	<b>0.00</b>	<b>0.35</b>	<b>0.09</b>
<b>TOTAL</b>		<b>11.74</b>	<b>1.19</b>	<b>2.55</b>	<b>0.01</b>	<b>0.40</b>	<b>0.15</b>

<b>Asphalt Paving</b>			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		<b>2028 Winter</b>						
	Off-Road		0.92	8.58	14.58	0.02	0.42	0.39
	Paving		0.11				0.00	0.00
	Total		<b>1.02</b>	<b>8.58</b>	<b>14.58</b>	<b>0.02</b>	<b>0.42</b>	<b>0.39</b>
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00	0.00	0.00
	Worker		0.04	0.02	0.33	0.00	0.16	0.04
	Total		<b>0.04</b>	<b>0.02</b>	<b>0.33</b>	<b>0.00</b>	<b>0.16</b>	<b>0.04</b>
<b>TOTAL</b>			<b>1.06</b>	<b>8.60</b>	<b>14.90</b>	<b>0.02</b>	<b>0.57</b>	<b>0.43</b>
Onsite		<b>2028</b>						
	Off-Road		0.92	8.58	14.58	0.02	0.42	0.39
	Paving		0.11	0.00	0.00	0.00	0.00	0.00
	Total		<b>1.02</b>	<b>8.58</b>	<b>14.58</b>	<b>0.02</b>	<b>0.42</b>	<b>0.39</b>
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00	0.00	0.00
	Worker		0.04	0.02	0.33	0.00	0.16	0.04
	Total		<b>0.04</b>	<b>0.02</b>	<b>0.33</b>	<b>0.00</b>	<b>0.16</b>	<b>0.04</b>
<b>TOTAL</b>			<b>1.06</b>	<b>8.60</b>	<b>14.90</b>	<b>0.02</b>	<b>0.57</b>	<b>0.43</b>

<b>Finishing/Landscaping</b>			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		<b>2028 Winter</b>						
	Off-Road		0.22	2.15	3.36	0.00	0.10	0.09
	Total		<b>0.22</b>	<b>2.15</b>	<b>3.36</b>	<b>0.00</b>	<b>0.10</b>	<b>0.09</b>
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00	0.00	0.00
	Worker		0.01	0.01	0.11	0.00	0.05	0.01
	Total		<b>0.01</b>	<b>0.01</b>	<b>0.11</b>	<b>0.00</b>	<b>0.05</b>	<b>0.01</b>
<b>TOTAL</b>			<b>0.23</b>	<b>2.16</b>	<b>3.47</b>	<b>0.01</b>	<b>0.15</b>	<b>0.10</b>
Onsite		<b>2028</b>						
	Off-Road		0.22	2.15	3.36	0.00	0.10	0.09
	Total		<b>0.22</b>	<b>2.15</b>	<b>3.36</b>	<b>0.00</b>	<b>0.10</b>	<b>0.09</b>
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00	0.00	0.00
	Worker		0.01	0.01	0.11	0.00	0.05	0.01
	Total		<b>0.01</b>	<b>0.01</b>	<b>0.11</b>	<b>0.00</b>	<b>0.05</b>	<b>0.01</b>
<b>TOTAL</b>			<b>0.23</b>	<b>2.16</b>	<b>3.47</b>	<b>0.01</b>	<b>0.15</b>	<b>0.10</b>

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
<i>Building and Asphalt Demolition</i>	2	19	20	0	1	1
<i>Building/Asphalt Demolition &amp; Building/Asphalt Demolition Debris Haul</i>	2	21	20	0	3	1
<i>Site Preparation</i>	3	25	18	0	10	5
<i>Site Preparation and Site Preparation Soil Haul</i>	3	26	19	0	10	5
<i>Rough Grading</i>	2	15	15	0	4	2
<i>Utility Trenching</i>	0	3	5	0	0	0
<i>Fine Grading</i>	2	15	15	0	4	2
<i>Building Construction 2026</i>	2	15	21	0	3	1
<i>Building Construction 2027</i>	2	15	21	0	3	1
<i>Building Construction 2028</i>	2	15	21	0	3	1
<i>Architectural Coating and Building Construction 2028</i>	14	16	23	0	3	1
<i>Architectural Coating, Building Construction 2028, and Asphalt Paving</i>	15	25	38	0	4	2
<i>Finishing/Landscaping</i>	0	2	3	0	0	0
<b>MAX DAILY</b>	<b>15</b>	<b>26</b>	<b>38</b>	<b>0</b>	<b>10</b>	<b>5</b>
<b>Regional Thresholds</b>	<b>75</b>	<b>100</b>	<b>550</b>	<b>150</b>	<b>150</b>	<b>55</b>
Exceeds Thresholds?	No	No	No	No	No	No

### Construction LST Worksheet (Option 3):

Building and Asphalt Demolition			NOx	CO	PM10 Total	PM2.5 Total
Onsite		<b>2026</b>				
	Off-Road		19.20	19.42	0.85	0.79
	Total		<b>19.20</b>	<b>19.42</b>	<b>0.85</b>	<b>0.79</b>
Onsite		<b>2026</b>				
	Off-Road		19.20	19.42	0.85	0.79
	Total		<b>19.20</b>	<b>19.42</b>	<b>0.85</b>	<b>0.79</b>
Offsite						
	Hauling		0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00
	Worker		0.00	0.00	0.00	0.00
	Total		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>TOTAL</b>			<b>19.20</b>	<b>19.42</b>	<b>0.85</b>	<b>0.79</b>

Building and Asphalt Demolition Debris Haul			NOx	CO	PM10 Total	PM2.5 Total
Onsite		<b>2026</b>				
	Fugitive Dust				1.26	0.19
	Off-Road		0.00	0.00	0.00	0.00
	Total		<b>0.00</b>	<b>0.00</b>	<b>1.07</b>	<b>0.16</b>
Onsite		<b>2026</b>				
	Fugitive Dust		0.00	0.00	1.26	0.19
	Off-Road		0.00	0.00	0.00	0.00
	Total		<b>0.00</b>	<b>0.00</b>	<b>1.07</b>	<b>0.16</b>
Offsite						
	Hauling		0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00
	Worker		0.00	0.00	0.00	0.00
	Total		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>TOTAL</b>			<b>0.00</b>	<b>0.00</b>	<b>1.07</b>	<b>0.16</b>

Site Preparation			NOx	CO	PM10 Total	PM2.5 Total
Onsite		<b>2026</b>				
	Fugitive Dust				8.40	4.32
	Off-Road		25.23	17.91	1.09	1.00
	Total		<b>25.23</b>	<b>17.91</b>	<b>9.49</b>	<b>5.32</b>
Onsite		<b>2026</b>				
	Fugitive Dust		0.00	0.00	8.40	4.32
	Off-Road		25.23	17.91	1.09	1.00
	Total		<b>25.23</b>	<b>17.91</b>	<b>9.49</b>	<b>5.32</b>
Offsite						
	Hauling		0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00
	Worker		0.00	0.00	0.00	0.00
	Total		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>TOTAL</b>			<b>25.23</b>	<b>17.91</b>	<b>9.49</b>	<b>5.32</b>

Site Preparation Soil Haul				NOx	CO	PM10 Total	PM2.5 Total
Onsite		<b>2026</b>					
	Fugitive Dust					0.00	0.00
	Off-Road		0.00	0.00	0.00	0.00	0.00
	Total		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
Onsite		<b>2026</b>					
	Fugitive Dust		0.00	0.00	0.00	0.00	0.00
	Off-Road		0.00	0.00	0.00	0.00	0.00
	Total		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
Offsite							
	Hauling		0.00	0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00	0.00
	Worker		0.00	0.00	0.00	0.00	0.00
	Total		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>TOTAL</b>			<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

Rough Grading				NOx	CO	PM10 Total	PM2.5 Total
Onsite		<b>2026</b>					
	Fugitive Dust					3.03	1.46
	Off-Road		15.31	14.54	0.62	0.57	
	Total		<b>15.31</b>	<b>14.54</b>	<b>3.65</b>	<b>2.04</b>	
Onsite		<b>2026</b>					
	Fugitive Dust		0.00	0.00	3.03	1.46	
	Off-Road		15.31	14.54	0.62	0.57	
	Total		<b>15.31</b>	<b>14.54</b>	<b>3.65</b>	<b>2.04</b>	
Offsite							
	Hauling		0.00	0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00	0.00
	Worker		0.00	0.00	0.00	0.00	0.00
	Total		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>TOTAL</b>			<b>15.31</b>	<b>14.54</b>	<b>3.65</b>	<b>2.04</b>	

Utility Trenching				NOx	CO	PM10 Total	PM2.5 Total
Onsite		<b>2026</b>					
	Off-Road		2.67	4.46	0.11	0.10	
	Total		<b>2.67</b>	<b>4.46</b>	<b>0.11</b>	<b>0.10</b>	
Onsite		<b>2026</b>					
	Off-Road		2.67	4.46	0.11	0.10	
	Total		<b>2.67</b>	<b>4.46</b>	<b>0.11</b>	<b>0.10</b>	
Offsite							
	Hauling		0.00	0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00	0.00
	Worker		0.00	0.00	0.00	0.00	0.00
	Total		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>TOTAL</b>			<b>2.67</b>	<b>4.46</b>	<b>0.11</b>	<b>0.10</b>	



Fine Grading			NOx	CO	PM10 Total	PM2.5 Total
Onsite		<b>2026</b>				
	Fugitive Dust				3.03	1.46
	Off-Road		15.31	14.54	0.62	0.57
	Total		<b>15.31</b>	<b>14.54</b>	<b>3.65</b>	<b>2.04</b>
Onsite		<b>2026</b>				
	Fugitive Dust		0.00	0.00	3.03	1.46
	Off-Road		15.31	14.54	0.62	0.57
	Total		<b>15.31</b>	<b>14.54</b>	<b>3.65</b>	<b>2.04</b>
Offsite						
	Hauling		0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00
	Worker		0.00	0.00	0.00	0.00
	Total		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>TOTAL</b>			<b>15.31</b>	<b>14.54</b>	<b>3.65</b>	<b>2.04</b>

Building Construction 2026			NOx	CO	PM10 Total	PM2.5 Total
Onsite		<b>2026</b>				
	Off-Road		12.47	16.08	0.53	0.50
	Total		<b>12.47</b>	<b>16.08</b>	<b>0.53</b>	<b>0.50</b>
Onsite		<b>2026</b>				
	Off-Road		12.47	16.08	0.53	0.50
	Total		<b>12.47</b>	<b>16.08</b>	<b>0.53</b>	<b>0.50</b>
Offsite						
	Hauling		0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00
	Worker		0.00	0.00	0.00	0.00
	Total		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>TOTAL</b>			<b>12.47</b>	<b>16.08</b>	<b>0.53</b>	<b>0.50</b>

Building Construction 2027			NOx	CO	PM10 Total	PM2.5 Total
Onsite		<b>2027</b>				
	Off-Road		12.47	16.08	0.53	0.50
	Total		<b>12.47</b>	<b>16.08</b>	<b>0.53</b>	<b>0.50</b>
Onsite		<b>2027</b>				
	Off-Road		12.47	16.08	0.53	0.50
	Total		<b>12.47</b>	<b>16.08</b>	<b>0.53</b>	<b>0.50</b>
Offsite						
	Hauling		0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00
	Worker		0.00	0.00	0.00	0.00
	Total		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>TOTAL</b>			<b>12.47</b>	<b>16.08</b>	<b>0.53</b>	<b>0.50</b>

**Building Construction 2028**

			NOx	CO	PM10 Total	PM2.5 Total
Onsite		<b>2028</b>				
	Off-Road		12.47	16.08	0.53	0.50
	Total		<b>12.47</b>	<b>16.08</b>	<b>0.53</b>	<b>0.50</b>
Onsite		<b>2028</b>				
	Off-Road		12.47	16.08	0.53	0.50
	Total		<b>12.47</b>	<b>16.08</b>	<b>0.53</b>	<b>0.50</b>
Offsite						
	Hauling		0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00
	Worker		0.00	0.00	0.00	0.00
	Total		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>TOTAL</b>			<b>12.47</b>	<b>16.08</b>	<b>0.53</b>	<b>0.50</b>

**Architectural Coating**

			NOx	CO	PM10 Total	PM2.5 Total
Onsite		<b>2028</b>				
	Architectural Coating				0.00	0.00
	Off-Road		1.15	1.81	0.05	0.05
	Total		<b>1.15</b>	<b>1.81</b>	<b>0.05</b>	<b>0.05</b>
Onsite		<b>2028</b>				
	Architectural Coating		0.00	0.00	0.00	0.00
	Off-Road		1.15	1.81	0.05	0.05
	Total		<b>1.15</b>	<b>1.81</b>	<b>0.05</b>	<b>0.05</b>
Offsite						
	Hauling		0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00
	Worker		0.05	0.74	0.35	0.09
	Total		<b>0.05</b>	<b>0.74</b>	<b>0.35</b>	<b>0.09</b>
<b>TOTAL</b>			<b>1.19</b>	<b>2.55</b>	<b>0.40</b>	<b>0.15</b>

**Asphalt Paving**

			NOx	CO	PM10 Total	PM2.5 Total
Onsite		<b>2028</b>				
	Off-Road		8.58	14.58	0.42	0.39
	Paving				0.00	0.00
	Total		<b>8.58</b>	<b>14.58</b>	<b>0.42</b>	<b>0.39</b>
Onsite		<b>2028</b>				
	Off-Road		8.58	14.58	0.42	0.39
	Paving		0.00	0.00	0.00	0.00
	Total		<b>8.58</b>	<b>14.58</b>	<b>0.42</b>	<b>0.39</b>
Offsite						
	Hauling		0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00
	Worker		0.00	0.00	0.00	0.00
	Total		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>TOTAL</b>			<b>8.58</b>	<b>14.58</b>	<b>0.42</b>	<b>0.39</b>

Finishing/Landscaping			NOx	CO	PM10 Total	PM2.5 Total
Onsite		<b>2028</b>				
	Off-Road		2.15	3.36	0.10	0.09
	Total		<b>2.15</b>	<b>3.36</b>	<b>0.10</b>	<b>0.09</b>
Onsite		<b>2028</b>				
	Off-Road		2.15	3.36	0.10	0.09
	Total		<b>2.15</b>	<b>3.36</b>	<b>0.10</b>	<b>0.09</b>
Offsite						
	Hauling		0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00
	Worker		0.00	0.00	0.00	0.00
	Total		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>TOTAL</b>			<b>2.15</b>	<b>3.36</b>	<b>0.10</b>	<b>0.09</b>
			<b>NOx</b>	<b>CO</b>	<b>PM10 Total</b>	<b>PM2.5 Total</b>
<b>Building and Asphalt Demolition</b>			<b>19</b>	<b>19</b>	<b>0.85</b>	<b>0.79</b>
<b>≤ 1 Acre LST</b>			<b>118</b>	<b>602</b>	<b>4.00</b>	<b>3.00</b>
<b>Exceeds LST?</b>			<b>no</b>	<b>no</b>	<b>no</b>	<b>no</b>
<b>Building/Asphalt Demolition &amp; Building/Asphalt Demolition Debris Haul</b>			<b>19</b>	<b>19</b>	<b>1.92</b>	<b>0.95</b>
<b>≤ 1 Acre LST</b>			<b>118</b>	<b>602</b>	<b>4.00</b>	<b>3.00</b>
<b>Exceeds LST?</b>			<b>no</b>	<b>no</b>	<b>no</b>	<b>no</b>
<b>Site Preparation</b>			<b>25</b>	<b>18</b>	<b>9.49</b>	<b>5.32</b>
<b>3.50 Acre LST</b>			<b>220</b>	<b>1,230</b>	<b>9.99</b>	<b>6.00</b>
<b>Exceeds LST?</b>			<b>no</b>	<b>no</b>	<b>no</b>	<b>no</b>
<b>Site Preparation and Site Preparation Soil Haul</b>			<b>25</b>	<b>18</b>	<b>9.49</b>	<b>5.32</b>
<b>3.50 Acre LST</b>			<b>220</b>	<b>1,230</b>	<b>9.99</b>	<b>6.00</b>
<b>Exceeds LST?</b>			<b>no</b>	<b>no</b>	<b>no</b>	<b>no</b>
<b>Rough Grading</b>			<b>15</b>	<b>15</b>	<b>3.65</b>	<b>2.04</b>
<b>2.50 Acre LST</b>			<b>187</b>	<b>999</b>	<b>8.00</b>	<b>4.67</b>
<b>Exceeds LST?</b>			<b>no</b>	<b>no</b>	<b>no</b>	<b>no</b>
<b>Utility Trenching</b>			<b>3</b>	<b>4</b>	<b>0.11</b>	<b>0.10</b>
<b>≤ 1 Acre LST</b>			<b>118</b>	<b>602</b>	<b>4.00</b>	<b>3.00</b>
<b>Exceeds LST?</b>			<b>no</b>	<b>no</b>	<b>no</b>	<b>no</b>
<b>Fine Grading</b>			<b>15</b>	<b>15</b>	<b>3.65</b>	<b>2.04</b>
<b>2.50 Acre LST</b>			<b>187</b>	<b>999</b>	<b>8.00</b>	<b>4.67</b>
<b>Exceeds LST?</b>			<b>no</b>	<b>no</b>	<b>no</b>	<b>no</b>
<b>Building Construction 2026</b>			<b>12</b>	<b>16</b>	<b>0.53</b>	<b>0.50</b>
<b>1.31 Acre LST</b>			<b>134</b>	<b>690</b>	<b>4.94</b>	<b>3.31</b>
<b>Exceeds LST?</b>			<b>no</b>	<b>no</b>	<b>no</b>	<b>no</b>
<b>Building Construction 2027</b>			<b>12</b>	<b>16</b>	<b>0.53</b>	<b>0.50</b>
<b>1.31 Acre LST</b>			<b>134</b>	<b>690</b>	<b>4.94</b>	<b>3.31</b>
<b>Exceeds LST?</b>			<b>no</b>	<b>no</b>	<b>no</b>	<b>no</b>

<b>Building Construction 2028</b>	<b>12</b>	<b>16</b>	<b>0.53</b>	<b>0.50</b>
<b>1.31 Acre LST</b>	<b>134</b>	<b>690</b>	<b>4.94</b>	<b>3.31</b>
<b>Exceeds LST?</b>	<b>no</b>	<b>no</b>	<b>no</b>	<b>no</b>
<b>Architectural Coating and Building Construction 2028</b>	<b>14</b>	<b>19</b>	<b>0.93</b>	<b>0.64</b>
<b>1.31 Acre LST</b>	<b>134</b>	<b>690</b>	<b>4.94</b>	<b>3.31</b>
<b>Exceeds LST?</b>	<b>no</b>	<b>no</b>	<b>no</b>	<b>no</b>
<b>Architectural Coating, Building Construction 2028, and Asphalt Paving</b>	<b>22</b>	<b>33</b>	<b>1.35</b>	<b>1.03</b>
<b>1.31 Acre LST</b>	<b>134</b>	<b>690</b>	<b>4.94</b>	<b>3.31</b>
<b>Exceeds LST?</b>	<b>no</b>	<b>no</b>	<b>no</b>	<b>no</b>
<b>Finishing/Landscaping</b>	<b>2</b>	<b>3</b>	<b>0.10</b>	<b>0.09</b>
<b>≤ 1 Acre LST</b>	<b>118</b>	<b>602</b>	<b>4.00</b>	<b>3.00</b>
<b>Exceeds LST?</b>	<b>no</b>	<b>no</b>	<b>no</b>	<b>no</b>

# Regional Operation Emissions Worksheet<sup>1</sup>

Source: CalEEMod, Version 2020.4

## Existing Conditions (2022); lbs per day

### Summer

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	5.99	0.24	6.53	0.01	0.85	0.85
Energy	0.04	0.34	0.24	0.00	0.03	0.03
Mobile*	2.96	2.92	33.08	0.07	7.08	1.91
<b>Total</b>	<b>8.98</b>	<b>3.49</b>	<b>39.85</b>	<b>0.08</b>	<b>7.96</b>	<b>2.78</b>

### Winter

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	5.99	0.24	6.53	0.01	0.85	0.85
Energy	0.04	0.34	0.24	0.00	0.03	0.03
Mobile*	2.59	3.10	28.76	0.06	7.08	1.91
<b>Total</b>	<b>8.61</b>	<b>3.68</b>	<b>35.53</b>	<b>0.08</b>	<b>7.96</b>	<b>2.78</b>

### Max Daily

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	5.99	0.24	6.53	0.01	0.85	0.85
Energy	0.04	0.34	0.24	0.00	0.03	0.03
Mobile	2.96	3.10	33.08	0.07	7.08	1.91
<b>Total</b>	<b>8.98</b>	<b>3.68</b>	<b>39.85</b>	<b>0.08</b>	<b>7.96</b>	<b>2.78</b>

## Existing Conditions at Buildout (2028); lbs per day

### Summer

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	5.98	0.24	6.53	0.01	0.85	0.85
Energy	0.04	0.34	0.24	0.00	0.03	0.03
Mobile*	2.45	2.00	26.17	0.05	7.07	1.90
<b>Total</b>	<b>8.47</b>	<b>2.57</b>	<b>32.94</b>	<b>0.07</b>	<b>7.94</b>	<b>2.77</b>

### Winter

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	5.98	0.24	6.53	0.01	0.85	0.85
Energy	0.04	0.34	0.24	0.00	0.03	0.03
Mobile*	2.14	2.14	23.03	0.05	7.07	1.90
<b>Total</b>	<b>8.17</b>	<b>2.72</b>	<b>29.80</b>	<b>0.07</b>	<b>7.94</b>	<b>2.77</b>

### Max Daily

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	5.98	0.24	6.53	0.01	0.85	0.85
Energy	0.04	0.34	0.24	0.00	0.03	0.03
Mobile	2.45	2.14	26.17	0.05	7.07	1.90
<b>Total</b>	<b>8.47</b>	<b>2.72</b>	<b>32.94</b>	<b>0.07</b>	<b>7.94</b>	<b>2.77</b>

**Proposed Project (2028); lbs per day**

**Summer**

	<b>ROG</b>	<b>NOx</b>	<b>CO</b>	<b>SO2</b>	<b>PM10 Total</b>	<b>PM2.5 Total</b>
Area	2.23	0.00	0.13	0.00	0.00	0.00
Energy	0.02	0.22	0.19	0.00	0.02	0.02
Mobile	6.67	4.26	71.91	0.14	18.98	5.08
<b>Total</b>	<b>8.92</b>	<b>4.48</b>	<b>72.23</b>	<b>0.14</b>	<b>18.99</b>	<b>5.09</b>

**Winter**

	<b>ROG</b>	<b>NOx</b>	<b>CO</b>	<b>SO2</b>	<b>PM10 Total</b>	<b>PM2.5 Total</b>
Area	2.23	0.00	0.13	0.00	0.00	0.00
Energy	0.02	0.22	0.19	0.00	0.02	0.02
Mobile	5.88	4.60	63.23	0.13	18.98	5.08
<b>Total</b>	<b>8.13</b>	<b>4.82</b>	<b>63.55</b>	<b>0.13</b>	<b>18.99</b>	<b>5.09</b>

**Max Daily**

	<b>ROG</b>	<b>NOx</b>	<b>CO</b>	<b>SO2</b>	<b>PM10 Total</b>	<b>PM2.5 Total</b>
Area	2.23	0.00	0.13	0.00	0.00	0.00
Energy	0.02	0.22	0.19	0.00	0.02	0.02
Mobile	6.67	4.60	71.91	0.14	18.98	5.08
<b>Total</b>	<b>8.92</b>	<b>4.82</b>	<b>72.23</b>	<b>0.14</b>	<b>18.99</b>	<b>5.09</b>

**Net Change; lbs per day**

	<b>ROG</b>	<b>NOx</b>	<b>CO</b>	<b>SO2</b>	<b>PM10 Total</b>	<b>PM2.5 Total</b>
Area	-3.76	-0.24	-6.40	-0.01	-0.84	-0.84
Energy	-0.01	-0.11	-0.05	0.00	-0.01	-0.01
Mobile	4.22	2.46	45.74	0.09	11.91	3.18
<b>Total Net Change</b>	<b>0.45</b>	<b>2.10</b>	<b>39.29</b>	<b>0.07</b>	<b>11.05</b>	<b>2.32</b>

**Regional Thresholds (lb/day)**

Regional Thresholds (lb/day)	<b>55</b>	<b>55</b>	<b>550</b>	<b>150</b>	<b>150</b>	<b>55</b>
Exceeds Thresholds?	No	No	No	No	No	No

# GHG Emissions Inventory

Source: CalEEMod, Version 2020.4

## Construction

	<u>MTCO<sub>2</sub>e</u>
Year 2026	425
Year 2027	609
Year 2028	350
<b>Total Construction</b>	<b>1,384</b>
<b>30-Year Amortization<sup>1</sup></b>	<b>46</b>

**Notes:**

<sup>1</sup> Total construction emissions are amortized over 30 years per South Coast AQMD methodology; South Coast AQMD. 2009, November 19. Greenhouse Gases (GHG) CEQA Significance Thresholds Working Group Meeting 14. [http://www.aqmd.gov/docs/default-source/ceqa/handbook/greenhouse-gases-\(ghg\)-ceqa-significance-thresholds/year-2008-2009/ghg-meeting-14/ghg-meeting-14-main-presentation.pdf?sfvrsn=2](http://www.aqmd.gov/docs/default-source/ceqa/handbook/greenhouse-gases-(ghg)-ceqa-significance-thresholds/year-2008-2009/ghg-meeting-14/ghg-meeting-14-main-presentation.pdf?sfvrsn=2).

## Net Operations

	MTCO <sub>2</sub> e/Year		MTCO <sub>2</sub> e/Year <sup>1,2</sup>		MTCO <sub>2</sub> e/Year
	Existing Conditions (2022)	%	Proposed Operations (2028)	%	Net Change
Area	4	0%	0	0%	-4
Energy	345	26%	369	18%	24
Mobile	867	67%	1,573	76%	706
Solid Waste	61	5%	55	3%	-5
Water	27	2%	24	1%	-4
Amortized Construction Emissions	NA	0%	46	2%	46
	<b>1,304</b>	100%	<b>2,067</b>	100%	<b>764</b>

South Coast AQMD Bright-Line Screening Threshold	<b>3,000</b>
<b>Exceed Threshold?</b>	<b>No</b>

**Notes:**

<sup>1</sup> Historical energy use was used for multipurpose room and historic bungalow room since these buildings will remain. Proposed energy use also includes emissions from lighting use, see assumptions file for calculations.

<sup>2</sup> Included the increase in daily vehicle trips, solid waste associated an additional 210 users, and outdoor water usage based on the increase landscape square footage associated with joint-use park (under Option 2).

# **CalEEMod Construction Model**



Eastside Neighborhood School - Riverside-South Coast County, Annual

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

**Eastside Neighborhood School  
Riverside-South Coast County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	800.00	Students	0.80	61,149.00	0
High School	200.00	Students	0.25	22,000.00	0
Other Asphalt Surfaces	64.53	1000sqft	1.48	64,532.00	0
Other Non-Asphalt Surfaces	202.58	1000sqft	4.65	202,582.00	0
Parking Lot	51.80	1000sqft	1.19	51,800.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.4	<b>Precipitation Freq (Days)</b>	28
<b>Climate Zone</b>	10			<b>Operational Year</b>	2028
<b>Utility Company</b>	Riverside Public Utilities/City of Riverside				
<b>CO2 Intensity (lb/MW hr)</b>	789.98	<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 - Based on applicant info., see assumptions file

Construction Phase - Based on applicant info., see assumptions file

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Eastside Neighborhood School - Riverside-South Coast County, Annual

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

Off-road Equipment - No additional equipment required for demolition debris haul

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - 1 forklift and 1 tractors/loaders/backhoes added based on equipment mix of projects of a similar size

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - No additional equipment required for site preparation soil haul

Off-road Equipment - 2 tractors/loaders/backhoes added based on equipment mix of projects of a similar size

Trips and VMT - See assumptions file, assume 4 vendor trips/day/water trucks

Demolition -

Grading -

Architectural Coating - See assumptions file

Construction Off-road Equipment Mitigation - SCAQMD Rule 403 and SCAQMD Rule 1186

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	41,575.00	46,933.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	124,724.00	140,798.00
tblArchitecturalCoating	ConstArea_Parking	19,135.00	3,108.00
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	77.00
tblConstructionPhase	NumDays	230.00	424.00
tblConstructionPhase	NumDays	20.00	74.00
tblConstructionPhase	NumDays	20.00	42.00
tblConstructionPhase	NumDays	20.00	36.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	20.00	64.00
tblConstructionPhase	NumDays	10.00	33.00

Eastside Neighborhood School - Riverside-South Coast County, Annual

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

tblConstructionPhase	NumDays	10.00	1.00
tblGrading	MaterialExported	0.00	68.00
tblLandUse	LandUseSquareFeet	64,530.00	64,532.00
tblLandUse	LandUseSquareFeet	202,580.00	202,582.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblTripsAndVMT	HaulingTripNumber	567.00	575.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00

**2.0 Emissions Summary**

**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					
2026	0.2219	2.0628	2.1353	4.7300e-003	0.6731	0.0849	0.7580	0.2974	0.0787	0.3760	0.0000	420.2129	420.2129	0.0971	8.1700e-003	425.0737
2027	0.2426	1.9491	2.7434	6.6900e-003	0.2968	0.0722	0.3690	0.0801	0.0679	0.1480	0.0000	599.8749	599.8749	0.0760	0.0236	608.8023
2028	0.5911	1.1793	1.7825	3.8700e-003	0.1467	0.0475	0.1942	0.0395	0.0445	0.0840	0.0000	345.3709	345.3709	0.0556	0.0101	349.7665
<b>Maximum</b>	<b>0.5911</b>	<b>2.0628</b>	<b>2.7434</b>	<b>6.6900e-003</b>	<b>0.6731</b>	<b>0.0849</b>	<b>0.7580</b>	<b>0.2974</b>	<b>0.0787</b>	<b>0.3760</b>	<b>0.0000</b>	<b>599.8749</b>	<b>599.8749</b>	<b>0.0971</b>	<b>0.0236</b>	<b>608.8023</b>

**Mitigated Construction**

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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
Year	tons/yr										MT/yr					
2026	0.2219	2.0628	2.1353	4.7300e-003	0.3284	0.0849	0.4132	0.1382	0.0787	0.2169	0.0000	420.2125	420.2125	0.0971	8.1700e-003	425.0733
2027	0.2426	1.9491	2.7434	6.6900e-003	0.2744	0.0722	0.3466	0.0746	0.0679	0.1425	0.0000	599.8745	599.8745	0.0760	0.0236	608.8019
2028	0.5911	1.1793	1.7825	3.8700e-003	0.1356	0.0475	0.1831	0.0368	0.0445	0.0813	0.0000	345.3706	345.3706	0.0556	0.0101	349.7663
<b>Maximum</b>	<b>0.5911</b>	<b>2.0628</b>	<b>2.7434</b>	<b>6.6900e-003</b>	<b>0.3284</b>	<b>0.0849</b>	<b>0.4132</b>	<b>0.1382</b>	<b>0.0787</b>	<b>0.2169</b>	<b>0.0000</b>	<b>599.8745</b>	<b>599.8745</b>	<b>0.0971</b>	<b>0.0236</b>	<b>608.8019</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>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>33.88</b>	<b>0.00</b>	<b>28.63</b>	<b>40.14</b>	<b>0.00</b>	<b>27.53</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2026	3-31-2026	0.7608	0.7608
2	4-1-2026	6-30-2026	0.7734	0.7734
3	7-1-2026	9-30-2026	0.2481	0.2481
4	10-1-2026	12-31-2026	0.5566	0.5566
5	1-1-2027	3-31-2027	0.5411	0.5411
6	4-1-2027	6-30-2027	0.5437	0.5437
7	7-1-2027	9-30-2027	0.5497	0.5497
8	10-1-2027	12-31-2027	0.5532	0.5532
9	1-1-2028	3-31-2028	0.8266	0.8266
10	4-1-2028	6-30-2028	0.9470	0.9470
11	7-1-2028	9-30-2028	0.0128	0.0128
		Highest	0.9470	0.9470

**3.0 Construction Detail**

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

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building and Asphalt Demolition	Demolition	1/1/2026	4/14/2026	5	74	a
2	Building and Asphalt Demolition	Demolition	2/15/2026	4/14/2026	5	42	b
3	Debris Haul Site Preparation	Site Preparation	4/15/2026	5/29/2026	5	33	c
4	Site Preparation Soil Haul	Site Preparation	5/29/2026	5/29/2026	5	1	d
5	Rough Grading	Grading	5/31/2026	7/20/2026	5	36	e
6	Utility Trenching	Trenching	7/21/2026	9/20/2026	5	44	f
7	Fine Grading	Grading	9/21/2026	10/20/2026	5	22	g
8	Building Construction	Building Construction	10/21/2026	6/5/2028	5	424	h
9	Architectural Coating	Architectural Coating	2/18/2028	6/5/2028	5	77	i
10	Asphalt Paving	Paving	3/8/2028	6/5/2028	5	64	i
11	Finishing/Landscaping	Trenching	6/6/2028	7/15/2028	5	29	k

**Acres of Grading (Site Preparation Phase): 49.5**

**Acres of Grading (Grading Phase): 36**

**Acres of Paving: 7.32**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 140,798; Non-Residential Outdoor: 46,933; Striped Parking Area: 3,108**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building and Asphalt Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building and Asphalt Demolition	Excavators	3	8.00	158	0.38
Building and Asphalt Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Building and Asphalt Demolition Debris Haul	Concrete/Industrial Saws	0	8.00	81	0.73
Building and Asphalt Demolition Debris Haul	Excavators	0	8.00	158	0.38

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

Building and Asphalt Demolition Debris Haul	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation Soil Haul	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation Soil Haul	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Rough Grading	Excavators	1	8.00	158	0.38
Rough Grading	Graders	1	8.00	187	0.41
Rough Grading	Rubber Tired Dozers	1	8.00	247	0.40
Rough Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Utility Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Fine Grading	Excavators	1	8.00	158	0.38
Fine Grading	Graders	1	8.00	187	0.41
Fine Grading	Rubber Tired Dozers	1	8.00	247	0.40
Fine Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Asphalt Paving	Pavers	2	8.00	130	0.42
Asphalt Paving	Paving Equipment	2	8.00	132	0.36
Asphalt Paving	Rollers	2	8.00	80	0.38
Finishing/Landscaping	Forklifts	1	8.00	89	0.20
Finishing/Landscaping	Tractors/Loaders/Backhoes	1	8.00	97	0.37

**Trips and VMT**

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

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
Building and Asphalt Demolition	6	15.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building and Asphalt Demolition Debris Haul	0	0.00	0.00	575.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation Soil Haul	0	0.00	0.00	9.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Rough Grading	6	15.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Utility Trenching	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Fine Grading	6	15.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	169.00	66.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	34.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Finishing/Landscaping	2	5.00	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
- Clean Paved Roads

**3.2 Building and Asphalt Demolition - 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					

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

Off-Road	0.0774	0.7103	0.7185	1.4400e-003		0.0316	0.0316		0.0293	0.0293	0.0000	125.7913	125.7913	0.0351	0.0000	126.6694
<b>Total</b>	<b>0.0774</b>	<b>0.7103</b>	<b>0.7185</b>	<b>1.4400e-003</b>		<b>0.0316</b>	<b>0.0316</b>		<b>0.0293</b>	<b>0.0293</b>	<b>0.0000</b>	<b>125.7913</b>	<b>125.7913</b>	<b>0.0351</b>	<b>0.0000</b>	<b>126.6694</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	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	1.5000e-004	4.9800e-003	1.9600e-003	2.0000e-005	9.3000e-004	4.0000e-005	9.8000e-004	2.7000e-004	4.0000e-005	3.1000e-004	0.0000	2.3647	2.3647	3.0000e-005	3.5000e-004	2.4691
Worker	1.4800e-003	9.6000e-004	0.0142	5.0000e-005	6.1000e-003	2.0000e-005	6.1300e-003	1.6200e-003	2.0000e-005	1.6400e-003	0.0000	4.2047	4.2047	9.0000e-005	1.0000e-004	4.2367
<b>Total</b>	<b>1.6300e-003</b>	<b>5.9400e-003</b>	<b>0.0161</b>	<b>7.0000e-005</b>	<b>7.0300e-003</b>	<b>6.0000e-005</b>	<b>7.1100e-003</b>	<b>1.8900e-003</b>	<b>6.0000e-005</b>	<b>1.9500e-003</b>	<b>0.0000</b>	<b>6.5694</b>	<b>6.5694</b>	<b>1.2000e-004</b>	<b>4.5000e-004</b>	<b>6.7058</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	0.0774	0.7103	0.7185	1.4400e-003		0.0316	0.0316		0.0293	0.0293	0.0000	125.7912	125.7912	0.0351	0.0000	126.6693
<b>Total</b>	<b>0.0774</b>	<b>0.7103</b>	<b>0.7185</b>	<b>1.4400e-003</b>		<b>0.0316</b>	<b>0.0316</b>		<b>0.0293</b>	<b>0.0293</b>	<b>0.0000</b>	<b>125.7912</b>	<b>125.7912</b>	<b>0.0351</b>	<b>0.0000</b>	<b>126.6693</b>



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

**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	1.5000e-004	4.9800e-003	1.9600e-003	2.0000e-005	8.8000e-004	4.0000e-005	9.2000e-004	2.6000e-004	4.0000e-005	3.0000e-004	0.0000	2.3647	2.3647	3.0000e-005	3.5000e-004	2.4691
Worker	1.4800e-003	9.6000e-004	0.0142	5.0000e-005	5.6200e-003	2.0000e-005	5.6500e-003	1.5000e-003	2.0000e-005	1.5300e-003	0.0000	4.2047	4.2047	9.0000e-005	1.0000e-004	4.2367
<b>Total</b>	<b>1.6300e-003</b>	<b>5.9400e-003</b>	<b>0.0161</b>	<b>7.0000e-005</b>	<b>6.5000e-003</b>	<b>6.0000e-005</b>	<b>6.5700e-003</b>	<b>1.7600e-003</b>	<b>6.0000e-005</b>	<b>1.8300e-003</b>	<b>0.0000</b>	<b>6.5694</b>	<b>6.5694</b>	<b>1.2000e-004</b>	<b>4.5000e-004</b>	<b>6.7058</b>

**3.3 Building and Asphalt Demolition Debris Haul - 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					
Fugitive Dust					0.0618	0.0000	0.0618	9.3500e-003	0.0000	9.3500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0618</b>	<b>0.0000</b>	<b>0.0618</b>	<b>9.3500e-003</b>	<b>0.0000</b>	<b>9.3500e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Unmitigated Construction Off-Site**

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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					
Hauling	6.0000e-004	0.0297	8.1500e-003	1.5000e-004	4.9600e-003	3.4000e-004	5.3000e-003	1.3600e-003	3.3000e-004	1.6900e-003	0.0000	14.4530	14.4530	2.5000e-004	2.2800e-003	15.1385
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>6.0000e-004</b>	<b>0.0297</b>	<b>8.1500e-003</b>	<b>1.5000e-004</b>	<b>4.9600e-003</b>	<b>3.4000e-004</b>	<b>5.3000e-003</b>	<b>1.3600e-003</b>	<b>3.3000e-004</b>	<b>1.6900e-003</b>	<b>0.0000</b>	<b>14.4530</b>	<b>14.4530</b>	<b>2.5000e-004</b>	<b>2.2800e-003</b>	<b>15.1385</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					0.0264	0.0000	0.0264	4.0000e-003	0.0000	4.0000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0264</b>	<b>0.0000</b>	<b>0.0264</b>	<b>4.0000e-003</b>	<b>0.0000</b>	<b>4.0000e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated Construction Off-Site**

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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					
Hauling	6.0000e-004	0.0297	8.1500e-003	1.5000e-004	4.6200e-003	3.4000e-004	4.9600e-003	1.2800e-003	3.3000e-004	1.6100e-003	0.0000	14.4530	14.4530	2.5000e-004	2.2800e-003	15.1385
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>6.0000e-004</b>	<b>0.0297</b>	<b>8.1500e-003</b>	<b>1.5000e-004</b>	<b>4.6200e-003</b>	<b>3.4000e-004</b>	<b>4.9600e-003</b>	<b>1.2800e-003</b>	<b>3.3000e-004</b>	<b>1.6100e-003</b>	<b>0.0000</b>	<b>14.4530</b>	<b>14.4530</b>	<b>2.5000e-004</b>	<b>2.2800e-003</b>	<b>15.1385</b>

**3.4 Site Preparation - 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					
Fugitive Dust					0.3243	0.0000	0.3243	0.1667	0.0000	0.1667	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0408	0.4164	0.2955	6.3000e-004		0.0179	0.0179		0.0165	0.0165	0.0000	55.2205	55.2205	0.0179	0.0000	55.6670
<b>Total</b>	<b>0.0408</b>	<b>0.4164</b>	<b>0.2955</b>	<b>6.3000e-004</b>	<b>0.3243</b>	<b>0.0179</b>	<b>0.3423</b>	<b>0.1667</b>	<b>0.0165</b>	<b>0.1832</b>	<b>0.0000</b>	<b>55.2205</b>	<b>55.2205</b>	<b>0.0179</b>	<b>0.0000</b>	<b>55.6670</b>

**Unmitigated Construction Off-Site**

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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					
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	7.0000e-005	2.2200e-003	8.7000e-004	1.0000e-005	4.2000e-004	2.0000e-005	4.4000e-004	1.2000e-004	2.0000e-005	1.4000e-004	0.0000	1.0545	1.0545	1.0000e-005	1.6000e-004	1.1011
Worker	7.9000e-004	5.1000e-004	7.5900e-003	2.0000e-005	3.2600e-003	1.0000e-005	3.2800e-003	8.7000e-004	1.0000e-005	8.8000e-004	0.0000	2.2501	2.2501	5.0000e-005	5.0000e-005	2.2672
<b>Total</b>	<b>8.6000e-004</b>	<b>2.7300e-003</b>	<b>8.4600e-003</b>	<b>3.0000e-005</b>	<b>3.6800e-003</b>	<b>3.0000e-005</b>	<b>3.7200e-003</b>	<b>9.9000e-004</b>	<b>3.0000e-005</b>	<b>1.0200e-003</b>	<b>0.0000</b>	<b>3.3046</b>	<b>3.3046</b>	<b>6.0000e-005</b>	<b>2.1000e-004</b>	<b>3.3683</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					0.1387	0.0000	0.1387	0.0713	0.0000	0.0713	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0408	0.4164	0.2955	6.3000e-004		0.0179	0.0179		0.0165	0.0165	0.0000	55.2205	55.2205	0.0179	0.0000	55.6670
<b>Total</b>	<b>0.0408</b>	<b>0.4164</b>	<b>0.2955</b>	<b>6.3000e-004</b>	<b>0.1387</b>	<b>0.0179</b>	<b>0.1566</b>	<b>0.0713</b>	<b>0.0165</b>	<b>0.0878</b>	<b>0.0000</b>	<b>55.2205</b>	<b>55.2205</b>	<b>0.0179</b>	<b>0.0000</b>	<b>55.6670</b>

**Mitigated Construction Off-Site**

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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					
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	7.0000e-005	2.2200e-003	8.7000e-004	1.0000e-005	3.9000e-004	2.0000e-005	4.1000e-004	1.1000e-004	2.0000e-005	1.3000e-004	0.0000	1.0545	1.0545	1.0000e-005	1.6000e-004	1.1011
Worker	7.9000e-004	5.1000e-004	7.5900e-003	2.0000e-005	3.0100e-003	1.0000e-005	3.0200e-003	8.0000e-004	1.0000e-005	8.2000e-004	0.0000	2.2501	2.2501	5.0000e-005	5.0000e-005	2.2672
<b>Total</b>	<b>8.6000e-004</b>	<b>2.7300e-003</b>	<b>8.4600e-003</b>	<b>3.0000e-005</b>	<b>3.4000e-003</b>	<b>3.0000e-005</b>	<b>3.4300e-003</b>	<b>9.1000e-004</b>	<b>3.0000e-005</b>	<b>9.5000e-004</b>	<b>0.0000</b>	<b>3.3046</b>	<b>3.3046</b>	<b>6.0000e-005</b>	<b>2.1000e-004</b>	<b>3.3683</b>

**3.5 Site Preparation Soil Haul - 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					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

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**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	4.6000e-004	1.3000e-004	0.0000	8.0000e-005	1.0000e-005	8.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.2262	0.2262	0.0000	4.0000e-005	0.2370
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>1.0000e-005</b>	<b>4.6000e-004</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>8.0000e-005</b>	<b>1.0000e-005</b>	<b>8.0000e-005</b>	<b>2.0000e-005</b>	<b>1.0000e-005</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.2262</b>	<b>0.2262</b>	<b>0.0000</b>	<b>4.0000e-005</b>	<b>0.2370</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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

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**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	4.6000e-004	1.3000e-004	0.0000	7.0000e-005	1.0000e-005	8.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.2262	0.2262	0.0000	4.0000e-005	0.2370
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>1.0000e-005</b>	<b>4.6000e-004</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>7.0000e-005</b>	<b>1.0000e-005</b>	<b>8.0000e-005</b>	<b>2.0000e-005</b>	<b>1.0000e-005</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.2262</b>	<b>0.2262</b>	<b>0.0000</b>	<b>4.0000e-005</b>	<b>0.2370</b>

**3.6 Rough Grading - 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					
Fugitive Dust					0.1275	0.0000	0.1275	0.0617	0.0000	0.0617	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0274	0.2757	0.2617	5.3000e-004		0.0112	0.0112		0.0103	0.0103	0.0000	46.9257	46.9257	0.0152	0.0000	47.3051
<b>Total</b>	<b>0.0274</b>	<b>0.2757</b>	<b>0.2617</b>	<b>5.3000e-004</b>	<b>0.1275</b>	<b>0.0112</b>	<b>0.1387</b>	<b>0.0617</b>	<b>0.0103</b>	<b>0.0720</b>	<b>0.0000</b>	<b>46.9257</b>	<b>46.9257</b>	<b>0.0152</b>	<b>0.0000</b>	<b>47.3051</b>

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**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	7.0000e-005	2.4200e-003	9.5000e-004	1.0000e-005	4.5000e-004	2.0000e-005	4.8000e-004	1.3000e-004	2.0000e-005	1.5000e-004	0.0000	1.1504	1.1504	1.0000e-005	1.7000e-004	1.2012
Worker	7.2000e-004	4.7000e-004	6.9000e-003	2.0000e-005	2.9700e-003	1.0000e-005	2.9800e-003	7.9000e-004	1.0000e-005	8.0000e-004	0.0000	2.0455	2.0455	4.0000e-005	5.0000e-005	2.0611
<b>Total</b>	<b>7.9000e-004</b>	<b>2.8900e-003</b>	<b>7.8500e-003</b>	<b>3.0000e-005</b>	<b>3.4200e-003</b>	<b>3.0000e-005</b>	<b>3.4600e-003</b>	<b>9.2000e-004</b>	<b>3.0000e-005</b>	<b>9.5000e-004</b>	<b>0.0000</b>	<b>3.1959</b>	<b>3.1959</b>	<b>5.0000e-005</b>	<b>2.2000e-004</b>	<b>3.2623</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					0.0545	0.0000	0.0545	0.0264	0.0000	0.0264	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0274	0.2757	0.2617	5.3000e-004		0.0112	0.0112		0.0103	0.0103	0.0000	46.9256	46.9256	0.0152	0.0000	47.3050
<b>Total</b>	<b>0.0274</b>	<b>0.2757</b>	<b>0.2617</b>	<b>5.3000e-004</b>	<b>0.0545</b>	<b>0.0112</b>	<b>0.0657</b>	<b>0.0264</b>	<b>0.0103</b>	<b>0.0367</b>	<b>0.0000</b>	<b>46.9256</b>	<b>46.9256</b>	<b>0.0152</b>	<b>0.0000</b>	<b>47.3050</b>



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**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	7.0000e-005	2.4200e-003	9.5000e-004	1.0000e-005	4.3000e-004	2.0000e-005	4.5000e-004	1.2000e-004	2.0000e-005	1.4000e-004	0.0000	1.1504	1.1504	1.0000e-005	1.7000e-004	1.2012
Worker	7.2000e-004	4.7000e-004	6.9000e-003	2.0000e-005	2.7400e-003	1.0000e-005	2.7500e-003	7.3000e-004	1.0000e-005	7.4000e-004	0.0000	2.0455	2.0455	4.0000e-005	5.0000e-005	2.0611
<b>Total</b>	<b>7.9000e-004</b>	<b>2.8900e-003</b>	<b>7.8500e-003</b>	<b>3.0000e-005</b>	<b>3.1700e-003</b>	<b>3.0000e-005</b>	<b>3.2000e-003</b>	<b>8.5000e-004</b>	<b>3.0000e-005</b>	<b>8.8000e-004</b>	<b>0.0000</b>	<b>3.1959</b>	<b>3.1959</b>	<b>5.0000e-005</b>	<b>2.2000e-004</b>	<b>3.2623</b>

**3.7 Utility Trenching - 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	5.8100e-003	0.0587	0.0981	1.4000e-004		2.3800e-003	2.3800e-003		2.1900e-003	2.1900e-003	0.0000	12.0569	12.0569	3.9000e-003	0.0000	12.1544
<b>Total</b>	<b>5.8100e-003</b>	<b>0.0587</b>	<b>0.0981</b>	<b>1.4000e-004</b>		<b>2.3800e-003</b>	<b>2.3800e-003</b>		<b>2.1900e-003</b>	<b>2.1900e-003</b>	<b>0.0000</b>	<b>12.0569</b>	<b>12.0569</b>	<b>3.9000e-003</b>	<b>0.0000</b>	<b>12.1544</b>

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**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9000e-004	1.9000e-004	2.8100e-003	1.0000e-005	1.2100e-003	0.0000	1.2100e-003	3.2000e-004	0.0000	3.3000e-004	0.0000	0.8334	0.8334	2.0000e-005	2.0000e-005	0.8397
<b>Total</b>	<b>2.9000e-004</b>	<b>1.9000e-004</b>	<b>2.8100e-003</b>	<b>1.0000e-005</b>	<b>1.2100e-003</b>	<b>0.0000</b>	<b>1.2100e-003</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>3.3000e-004</b>	<b>0.0000</b>	<b>0.8334</b>	<b>0.8334</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.8397</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	5.8100e-003	0.0587	0.0981	1.4000e-004		2.3800e-003	2.3800e-003		2.1900e-003	2.1900e-003	0.0000	12.0569	12.0569	3.9000e-003	0.0000	12.1544
<b>Total</b>	<b>5.8100e-003</b>	<b>0.0587</b>	<b>0.0981</b>	<b>1.4000e-004</b>		<b>2.3800e-003</b>	<b>2.3800e-003</b>		<b>2.1900e-003</b>	<b>2.1900e-003</b>	<b>0.0000</b>	<b>12.0569</b>	<b>12.0569</b>	<b>3.9000e-003</b>	<b>0.0000</b>	<b>12.1544</b>

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**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9000e-004	1.9000e-004	2.8100e-003	1.0000e-005	1.1100e-003	0.0000	1.1200e-003	3.0000e-004	0.0000	3.0000e-004	0.0000	0.8334	0.8334	2.0000e-005	2.0000e-005	0.8397
<b>Total</b>	<b>2.9000e-004</b>	<b>1.9000e-004</b>	<b>2.8100e-003</b>	<b>1.0000e-005</b>	<b>1.1100e-003</b>	<b>0.0000</b>	<b>1.1200e-003</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>0.8334</b>	<b>0.8334</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.8397</b>

**3.8 Fine Grading - 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					
Fugitive Dust					0.0779	0.0000	0.0779	0.0377	0.0000	0.0377	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0168	0.1685	0.1599	3.3000e-004		6.8600e-003	6.8600e-003		6.3100e-003	6.3100e-003	0.0000	28.6768	28.6768	9.2700e-003	0.0000	28.9087
<b>Total</b>	<b>0.0168</b>	<b>0.1685</b>	<b>0.1599</b>	<b>3.3000e-004</b>	<b>0.0779</b>	<b>6.8600e-003</b>	<b>0.0848</b>	<b>0.0377</b>	<b>6.3100e-003</b>	<b>0.0440</b>	<b>0.0000</b>	<b>28.6768</b>	<b>28.6768</b>	<b>9.2700e-003</b>	<b>0.0000</b>	<b>28.9087</b>

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

**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	5.0000e-005	1.4800e-003	5.8000e-004	1.0000e-005	2.8000e-004	1.0000e-005	2.9000e-004	8.0000e-005	1.0000e-005	9.0000e-005	0.0000	0.7030	0.7030	1.0000e-005	1.0000e-004	0.7340
Worker	4.4000e-004	2.9000e-004	4.2200e-003	1.0000e-005	1.8100e-003	1.0000e-005	1.8200e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.2500	1.2500	3.0000e-005	3.0000e-005	1.2596
<b>Total</b>	<b>4.9000e-004</b>	<b>1.7700e-003</b>	<b>4.8000e-003</b>	<b>2.0000e-005</b>	<b>2.0900e-003</b>	<b>2.0000e-005</b>	<b>2.1100e-003</b>	<b>5.6000e-004</b>	<b>2.0000e-005</b>	<b>5.8000e-004</b>	<b>0.0000</b>	<b>1.9531</b>	<b>1.9531</b>	<b>4.0000e-005</b>	<b>1.3000e-004</b>	<b>1.9936</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					0.0333	0.0000	0.0333	0.0161	0.0000	0.0161	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0168	0.1685	0.1599	3.3000e-004		6.8600e-003	6.8600e-003		6.3100e-003	6.3100e-003	0.0000	28.6768	28.6768	9.2700e-003	0.0000	28.9086
<b>Total</b>	<b>0.0168</b>	<b>0.1685</b>	<b>0.1599</b>	<b>3.3000e-004</b>	<b>0.0333</b>	<b>6.8600e-003</b>	<b>0.0402</b>	<b>0.0161</b>	<b>6.3100e-003</b>	<b>0.0224</b>	<b>0.0000</b>	<b>28.6768</b>	<b>28.6768</b>	<b>9.2700e-003</b>	<b>0.0000</b>	<b>28.9086</b>

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

**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	5.0000e-005	1.4800e-003	5.8000e-004	1.0000e-005	2.6000e-004	1.0000e-005	2.7000e-004	8.0000e-005	1.0000e-005	9.0000e-005	0.0000	0.7030	0.7030	1.0000e-005	1.0000e-004	0.7340
Worker	4.4000e-004	2.9000e-004	4.2200e-003	1.0000e-005	1.6700e-003	1.0000e-005	1.6800e-003	4.5000e-004	1.0000e-005	4.5000e-004	0.0000	1.2500	1.2500	3.0000e-005	3.0000e-005	1.2596
<b>Total</b>	<b>4.9000e-004</b>	<b>1.7700e-003</b>	<b>4.8000e-003</b>	<b>2.0000e-005</b>	<b>1.9300e-003</b>	<b>2.0000e-005</b>	<b>1.9500e-003</b>	<b>5.3000e-004</b>	<b>2.0000e-005</b>	<b>5.4000e-004</b>	<b>0.0000</b>	<b>1.9531</b>	<b>1.9531</b>	<b>4.0000e-005</b>	<b>1.3000e-004</b>	<b>1.9936</b>

**3.9 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	0.0356	0.3242	0.4182	7.0000e-004		0.0137	0.0137		0.0129	0.0129	0.0000	60.2991	60.2991	0.0142	0.0000	60.6534
<b>Total</b>	<b>0.0356</b>	<b>0.3242</b>	<b>0.4182</b>	<b>7.0000e-004</b>		<b>0.0137</b>	<b>0.0137</b>		<b>0.0129</b>	<b>0.0129</b>	<b>0.0000</b>	<b>60.2991</b>	<b>60.2991</b>	<b>0.0142</b>	<b>0.0000</b>	<b>60.6534</b>

**Unmitigated Construction Off-Site**

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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					
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	1.7800e-003	0.0578	0.0227	2.8000e-004	0.0108	4.8000e-004	0.0113	3.1300e-003	4.6000e-004	3.5900e-003	0.0000	27.4181	27.4181	3.2000e-004	4.0300e-003	28.6277
Worker	0.0117	7.6200e-003	0.1123	3.6000e-004	0.0483	2.0000e-004	0.0485	0.0128	1.8000e-004	0.0130	0.0000	33.2889	33.2889	6.8000e-004	7.9000e-004	33.5428
<b>Total</b>	<b>0.0135</b>	<b>0.0654</b>	<b>0.1350</b>	<b>6.4000e-004</b>	<b>0.0591</b>	<b>6.8000e-004</b>	<b>0.0598</b>	<b>0.0160</b>	<b>6.4000e-004</b>	<b>0.0166</b>	<b>0.0000</b>	<b>60.7070</b>	<b>60.7070</b>	<b>1.0000e-003</b>	<b>4.8200e-003</b>	<b>62.1705</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	0.0356	0.3242	0.4182	7.0000e-004		0.0137	0.0137		0.0129	0.0129	0.0000	60.2990	60.2990	0.0142	0.0000	60.6534
<b>Total</b>	<b>0.0356</b>	<b>0.3242</b>	<b>0.4182</b>	<b>7.0000e-004</b>		<b>0.0137</b>	<b>0.0137</b>		<b>0.0129</b>	<b>0.0129</b>	<b>0.0000</b>	<b>60.2990</b>	<b>60.2990</b>	<b>0.0142</b>	<b>0.0000</b>	<b>60.6534</b>

**Mitigated Construction Off-Site**

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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					
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	1.7800e-003	0.0578	0.0227	2.8000e-004	0.0102	4.8000e-004	0.0106	2.9600e-003	4.6000e-004	3.4200e-003	0.0000	27.4181	27.4181	3.2000e-004	4.0300e-003	28.6277
Worker	0.0117	7.6200e-003	0.1123	3.6000e-004	0.0445	2.0000e-004	0.0447	0.0119	1.8000e-004	0.0121	0.0000	33.2889	33.2889	6.8000e-004	7.9000e-004	33.5428
<b>Total</b>	<b>0.0135</b>	<b>0.0654</b>	<b>0.1350</b>	<b>6.4000e-004</b>	<b>0.0547</b>	<b>6.8000e-004</b>	<b>0.0554</b>	<b>0.0149</b>	<b>6.4000e-004</b>	<b>0.0155</b>	<b>0.0000</b>	<b>60.7070</b>	<b>60.7070</b>	<b>1.0000e-003</b>	<b>4.8200e-003</b>	<b>62.1705</b>

**3.9 Building Construction - 2027**

**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	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
<b>Total</b>	<b>0.1785</b>	<b>1.6273</b>	<b>2.0991</b>	<b>3.5200e-003</b>		<b>0.0689</b>	<b>0.0689</b>		<b>0.0648</b>	<b>0.0648</b>	<b>0.0000</b>	<b>302.6549</b>	<b>302.6549</b>	<b>0.0711</b>	<b>0.0000</b>	<b>304.4335</b>

**Unmitigated Construction Off-Site**

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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					
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	8.8600e-003	0.2870	0.1130	1.4000e-003	0.0544	2.4200e-003	0.0568	0.0157	2.3100e-003	0.0180	0.0000	134.9360	134.9360	1.6800e-003	0.0198	140.8809
Worker	0.0553	0.0348	0.5313	1.7700e-003	0.2424	9.3000e-004	0.2433	0.0644	8.5000e-004	0.0652	0.0000	162.2840	162.2840	3.1200e-003	3.7800e-003	163.4878
<b>Total</b>	<b>0.0642</b>	<b>0.3218</b>	<b>0.6443</b>	<b>3.1700e-003</b>	<b>0.2968</b>	<b>3.3500e-003</b>	<b>0.3002</b>	<b>0.0801</b>	<b>3.1600e-003</b>	<b>0.0832</b>	<b>0.0000</b>	<b>297.2200</b>	<b>297.2200</b>	<b>4.8000e-003</b>	<b>0.0236</b>	<b>304.3688</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	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
<b>Total</b>	<b>0.1784</b>	<b>1.6273</b>	<b>2.0991</b>	<b>3.5200e-003</b>		<b>0.0689</b>	<b>0.0689</b>		<b>0.0648</b>	<b>0.0648</b>	<b>0.0000</b>	<b>302.6545</b>	<b>302.6545</b>	<b>0.0711</b>	<b>0.0000</b>	<b>304.4331</b>

**Mitigated Construction Off-Site**



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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					
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	8.8600e-003	0.2870	0.1130	1.4000e-003	0.0509	2.4200e-003	0.0534	0.0149	2.3100e-003	0.0172	0.0000	134.9360	134.9360	1.6800e-003	0.0198	140.8809
Worker	0.0553	0.0348	0.5313	1.7700e-003	0.2235	9.3000e-004	0.2244	0.0597	8.5000e-004	0.0606	0.0000	162.2840	162.2840	3.1200e-003	3.7800e-003	163.4878
<b>Total</b>	<b>0.0642</b>	<b>0.3218</b>	<b>0.6443</b>	<b>3.1700e-003</b>	<b>0.2744</b>	<b>3.3500e-003</b>	<b>0.2778</b>	<b>0.0746</b>	<b>3.1600e-003</b>	<b>0.0777</b>	<b>0.0000</b>	<b>297.2200</b>	<b>297.2200</b>	<b>4.8000e-003</b>	<b>0.0236</b>	<b>304.3688</b>

**3.9 Building Construction - 2028**

**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	0.0759	0.6921	0.8927	1.5000e-003		0.0293	0.0293		0.0275	0.0275	0.0000	128.7153	128.7153	0.0303	0.0000	129.4717
<b>Total</b>	<b>0.0759</b>	<b>0.6921</b>	<b>0.8927</b>	<b>1.5000e-003</b>		<b>0.0293</b>	<b>0.0293</b>		<b>0.0275</b>	<b>0.0275</b>	<b>0.0000</b>	<b>128.7153</b>	<b>128.7153</b>	<b>0.0303</b>	<b>0.0000</b>	<b>129.4717</b>

**Unmitigated Construction Off-Site**

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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					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.7400e-003	0.1210	0.0478	5.8000e-004	0.0231	1.0200e-003	0.0242	6.6800e-003	9.8000e-004	7.6500e-003	0.0000	56.2914	56.2914	7.4000e-004	8.2500e-003	58.7678
Worker	0.0222	0.0136	0.2145	7.3000e-004	0.1031	3.7000e-004	0.1035	0.0274	3.4000e-004	0.0277	0.0000	67.2127	67.2127	1.2200e-003	1.5300e-003	67.6996
<b>Total</b>	<b>0.0260</b>	<b>0.1346</b>	<b>0.2623</b>	<b>1.3100e-003</b>	<b>0.1262</b>	<b>1.3900e-003</b>	<b>0.1276</b>	<b>0.0341</b>	<b>1.3200e-003</b>	<b>0.0354</b>	<b>0.0000</b>	<b>123.5041</b>	<b>123.5041</b>	<b>1.9600e-003</b>	<b>9.7800e-003</b>	<b>126.4674</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	0.0759	0.6921	0.8927	1.5000e-003		0.0293	0.0293		0.0275	0.0275	0.0000	128.7151	128.7151	0.0303	0.0000	129.4716
<b>Total</b>	<b>0.0759</b>	<b>0.6921</b>	<b>0.8927</b>	<b>1.5000e-003</b>		<b>0.0293</b>	<b>0.0293</b>		<b>0.0275</b>	<b>0.0275</b>	<b>0.0000</b>	<b>128.7151</b>	<b>128.7151</b>	<b>0.0303</b>	<b>0.0000</b>	<b>129.4716</b>

**Mitigated Construction Off-Site**

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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					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.7400e-003	0.1210	0.0478	5.8000e-004	0.0217	1.0200e-003	0.0227	6.3100e-003	9.8000e-004	7.2900e-003	0.0000	56.2914	56.2914	7.4000e-004	8.2500e-003	58.7678
Worker	0.0222	0.0136	0.2145	7.3000e-004	0.0951	3.7000e-004	0.0954	0.0254	3.4000e-004	0.0257	0.0000	67.2127	67.2127	1.2200e-003	1.5300e-003	67.6996
<b>Total</b>	<b>0.0260</b>	<b>0.1346</b>	<b>0.2623</b>	<b>1.3100e-003</b>	<b>0.1167</b>	<b>1.3900e-003</b>	<b>0.1181</b>	<b>0.0317</b>	<b>1.3200e-003</b>	<b>0.0330</b>	<b>0.0000</b>	<b>123.5041</b>	<b>123.5041</b>	<b>1.9600e-003</b>	<b>9.7800e-003</b>	<b>126.4674</b>

**3.10 Architectural Coating - 2028**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4423					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.5800e-003	0.0441	0.0697	1.1000e-004		1.9800e-003	1.9800e-003		1.9800e-003	1.9800e-003	0.0000	9.8300	9.8300	5.4000e-004	0.0000	9.8434
<b>Total</b>	<b>0.4489</b>	<b>0.0441</b>	<b>0.0697</b>	<b>1.1000e-004</b>		<b>1.9800e-003</b>	<b>1.9800e-003</b>		<b>1.9800e-003</b>	<b>1.9800e-003</b>	<b>0.0000</b>	<b>9.8300</b>	<b>9.8300</b>	<b>5.4000e-004</b>	<b>0.0000</b>	<b>9.8434</b>

**Unmitigated Construction Off-Site**

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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					
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	3.1000e-003	1.9000e-003	0.0299	1.0000e-004	0.0144	5.0000e-005	0.0144	3.8200e-003	5.0000e-005	3.8700e-003	0.0000	9.3802	9.3802	1.7000e-004	2.1000e-004	9.4481
<b>Total</b>	<b>3.1000e-003</b>	<b>1.9000e-003</b>	<b>0.0299</b>	<b>1.0000e-004</b>	<b>0.0144</b>	<b>5.0000e-005</b>	<b>0.0144</b>	<b>3.8200e-003</b>	<b>5.0000e-005</b>	<b>3.8700e-003</b>	<b>0.0000</b>	<b>9.3802</b>	<b>9.3802</b>	<b>1.7000e-004</b>	<b>2.1000e-004</b>	<b>9.4481</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	0.4423					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.5800e-003	0.0441	0.0697	1.1000e-004		1.9800e-003	1.9800e-003		1.9800e-003	1.9800e-003	0.0000	9.8300	9.8300	5.4000e-004	0.0000	9.8434
<b>Total</b>	<b>0.4489</b>	<b>0.0441</b>	<b>0.0697</b>	<b>1.1000e-004</b>		<b>1.9800e-003</b>	<b>1.9800e-003</b>		<b>1.9800e-003</b>	<b>1.9800e-003</b>	<b>0.0000</b>	<b>9.8300</b>	<b>9.8300</b>	<b>5.4000e-004</b>	<b>0.0000</b>	<b>9.8434</b>

**Mitigated Construction Off-Site**

Eastside Neighborhood School - Riverside-South Coast County, Annual

**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					
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	3.1000e-003	1.9000e-003	0.0299	1.0000e-004	0.0133	5.0000e-005	0.0133	3.5400e-003	5.0000e-005	3.5900e-003	0.0000	9.3802	9.3802	1.7000e-004	2.1000e-004	9.4481
<b>Total</b>	<b>3.1000e-003</b>	<b>1.9000e-003</b>	<b>0.0299</b>	<b>1.0000e-004</b>	<b>0.0133</b>	<b>5.0000e-005</b>	<b>0.0133</b>	<b>3.5400e-003</b>	<b>5.0000e-005</b>	<b>3.5900e-003</b>	<b>0.0000</b>	<b>9.3802</b>	<b>9.3802</b>	<b>1.7000e-004</b>	<b>2.1000e-004</b>	<b>9.4481</b>

**3.11 Asphalt Paving - 2028**

**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	0.0293	0.2746	0.4665	7.3000e-004		0.0134	0.0134		0.0123	0.0123	0.0000	64.0616	64.0616	0.0207	0.0000	64.5796
Paving	3.5000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0328</b>	<b>0.2746</b>	<b>0.4665</b>	<b>7.3000e-004</b>		<b>0.0134</b>	<b>0.0134</b>		<b>0.0123</b>	<b>0.0123</b>	<b>0.0000</b>	<b>64.0616</b>	<b>64.0616</b>	<b>0.0207</b>	<b>0.0000</b>	<b>64.5796</b>

**Unmitigated Construction Off-Site**

Eastside Neighborhood School - Riverside-South Coast County, Annual

**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					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1400e-003	7.0000e-004	0.0110	4.0000e-005	5.2800e-003	2.0000e-005	5.2900e-003	1.4000e-003	2.0000e-005	1.4200e-003	0.0000	3.4396	3.4396	6.0000e-005	8.0000e-005	3.4646
<b>Total</b>	<b>1.1400e-003</b>	<b>7.0000e-004</b>	<b>0.0110</b>	<b>4.0000e-005</b>	<b>5.2800e-003</b>	<b>2.0000e-005</b>	<b>5.2900e-003</b>	<b>1.4000e-003</b>	<b>2.0000e-005</b>	<b>1.4200e-003</b>	<b>0.0000</b>	<b>3.4396</b>	<b>3.4396</b>	<b>6.0000e-005</b>	<b>8.0000e-005</b>	<b>3.4646</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	0.0293	0.2746	0.4665	7.3000e-004		0.0134	0.0134		0.0123	0.0123	0.0000	64.0615	64.0615	0.0207	0.0000	64.5795
Paving	3.5000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0328</b>	<b>0.2746</b>	<b>0.4665</b>	<b>7.3000e-004</b>		<b>0.0134</b>	<b>0.0134</b>		<b>0.0123</b>	<b>0.0123</b>	<b>0.0000</b>	<b>64.0615</b>	<b>64.0615</b>	<b>0.0207</b>	<b>0.0000</b>	<b>64.5795</b>

**Mitigated Construction Off-Site**

Eastside Neighborhood School - Riverside-South Coast County, Annual

**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					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1400e-003	7.0000e-004	0.0110	4.0000e-005	4.8600e-003	2.0000e-005	4.8800e-003	1.3000e-003	2.0000e-005	1.3200e-003	0.0000	3.4396	3.4396	6.0000e-005	8.0000e-005	3.4646
<b>Total</b>	<b>1.1400e-003</b>	<b>7.0000e-004</b>	<b>0.0110</b>	<b>4.0000e-005</b>	<b>4.8600e-003</b>	<b>2.0000e-005</b>	<b>4.8800e-003</b>	<b>1.3000e-003</b>	<b>2.0000e-005</b>	<b>1.3200e-003</b>	<b>0.0000</b>	<b>3.4396</b>	<b>3.4396</b>	<b>6.0000e-005</b>	<b>8.0000e-005</b>	<b>3.4646</b>

**3.12 Finishing/Landscaping - 2028**

**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	3.1800e-003	0.0312	0.0488	7.0000e-005		1.4200e-003	1.4200e-003		1.3100e-003	1.3100e-003	0.0000	5.9205	5.9205	1.9100e-003	0.0000	5.9684
<b>Total</b>	<b>3.1800e-003</b>	<b>0.0312</b>	<b>0.0488</b>	<b>7.0000e-005</b>		<b>1.4200e-003</b>	<b>1.4200e-003</b>		<b>1.3100e-003</b>	<b>1.3100e-003</b>	<b>0.0000</b>	<b>5.9205</b>	<b>5.9205</b>	<b>1.9100e-003</b>	<b>0.0000</b>	<b>5.9684</b>

**Unmitigated Construction Off-Site**

Eastside Neighborhood School - Riverside-South Coast County, Annual

**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					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	1.1000e-004	1.6600e-003	1.0000e-005	8.0000e-004	0.0000	8.0000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.5195	0.5195	1.0000e-005	1.0000e-005	0.5233
<b>Total</b>	<b>1.7000e-004</b>	<b>1.1000e-004</b>	<b>1.6600e-003</b>	<b>1.0000e-005</b>	<b>8.0000e-004</b>	<b>0.0000</b>	<b>8.0000e-004</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>0.5195</b>	<b>0.5195</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.5233</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	3.1800e-003	0.0312	0.0488	7.0000e-005		1.4200e-003	1.4200e-003		1.3100e-003	1.3100e-003	0.0000	5.9205	5.9205	1.9100e-003	0.0000	5.9684
<b>Total</b>	<b>3.1800e-003</b>	<b>0.0312</b>	<b>0.0488</b>	<b>7.0000e-005</b>		<b>1.4200e-003</b>	<b>1.4200e-003</b>		<b>1.3100e-003</b>	<b>1.3100e-003</b>	<b>0.0000</b>	<b>5.9205</b>	<b>5.9205</b>	<b>1.9100e-003</b>	<b>0.0000</b>	<b>5.9684</b>

**Mitigated Construction Off-Site**



Eastside Neighborhood School - Riverside-South Coast County, Annual

**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					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	1.1000e-004	1.6600e-003	1.0000e-005	7.3000e-004	0.0000	7.4000e-004	2.0000e-004	0.0000	2.0000e-004	0.0000	0.5195	0.5195	1.0000e-005	1.0000e-005	0.5233
<b>Total</b>	<b>1.7000e-004</b>	<b>1.1000e-004</b>	<b>1.6600e-003</b>	<b>1.0000e-005</b>	<b>7.3000e-004</b>	<b>0.0000</b>	<b>7.4000e-004</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>0.5195</b>	<b>0.5195</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.5233</b>

Eastside Neighborhood School - Riverside-South Coast County, Summer

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

**Eastside Neighborhood School  
Riverside-South Coast County, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	800.00	Students	0.80	61,149.00	0
High School	200.00	Students	0.25	22,000.00	0
Other Asphalt Surfaces	64.53	1000sqft	1.48	64,532.00	0
Other Non-Asphalt Surfaces	202.58	1000sqft	4.65	202,582.00	0
Parking Lot	51.80	1000sqft	1.19	51,800.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.4	<b>Precipitation Freq (Days)</b>	28
<b>Climate Zone</b>	10			<b>Operational Year</b>	2028
<b>Utility Company</b>	Riverside Public Utilities/City of Riverside				
<b>CO2 Intensity (lb/MW hr)</b>	789.98	<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 - Based on applicant info., see assumptions file

Construction Phase - Based on applicant info., see assumptions file

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Eastside Neighborhood School - Riverside-South Coast County, Summer

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

Off-road Equipment - No additional equipment required for demolition debris haul

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - 1 forklift and 1 tractors/loaders/backhoes added based on equipment mix of projects of a similar size

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - No additional equipment required for site preparation soil haul

Off-road Equipment - 2 tractors/loaders/backhoes added based on equipment mix of projects of a similar size

Trips and VMT - See assumptions file, assume 4 vendor trips/day/water trucks

Demolition -

Grading -

Architectural Coating - See assumptions file

Construction Off-road Equipment Mitigation - SCAQMD Rule 403 and SCAQMD Rule 1186

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	41,575.00	46,933.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	124,724.00	140,798.00
tblArchitecturalCoating	ConstArea_Parking	19,135.00	3,108.00
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	77.00
tblConstructionPhase	NumDays	230.00	424.00
tblConstructionPhase	NumDays	20.00	74.00
tblConstructionPhase	NumDays	20.00	42.00
tblConstructionPhase	NumDays	20.00	36.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	20.00	64.00
tblConstructionPhase	NumDays	10.00	33.00

Eastside Neighborhood School - Riverside-South Coast County, Summer

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

tblConstructionPhase	NumDays	10.00	1.00
tblGrading	MaterialExported	0.00	68.00
tblLandUse	LandUseSquareFeet	64,530.00	64,532.00
tblLandUse	LandUseSquareFeet	202,580.00	202,582.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblTripsAndVMT	HaulingTripNumber	567.00	575.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00

**2.0 Emissions Summary**

**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					
2026	2.5503	26.2730	21.9796	0.0530	20.0499	1.0994	21.1494	10.2077	1.0119	11.2196	0.0000	5,239.0773	5,239.0773	1.2058	0.2030	5,315.6593
2027	1.9126	14.8165	21.6816	0.0523	2.3117	0.5532	2.8649	0.6227	0.5205	1.1432	0.0000	5,172.5600	5,172.5600	0.6414	0.1977	5,247.5040
2028	14.6978	24.5729	39.1262	0.0816	2.8594	1.0245	3.8840	0.7679	0.9583	1.7262	0.0000	8,017.4244	8,017.4244	1.3757	0.2012	8,111.7848
<b>Maximum</b>	<b>14.6978</b>	<b>26.2730</b>	<b>39.1262</b>	<b>0.0816</b>	<b>20.0499</b>	<b>1.0994</b>	<b>21.1494</b>	<b>10.2077</b>	<b>1.0119</b>	<b>11.2196</b>	<b>0.0000</b>	<b>8,017.4244</b>	<b>8,017.4244</b>	<b>1.3757</b>	<b>0.2030</b>	<b>8,111.7848</b>

Mitigated Construction

Eastside Neighborhood School - Riverside-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
Year	lb/day										lb/day					
2026	2.5503	26.2730	21.9796	0.0530	8.7633	1.0994	9.8627	4.4164	1.0119	5.4283	0.0000	5,239.0773	5,239.0773	1.2058	0.2030	5,315.6593
2027	1.9126	14.8165	21.6816	0.0523	2.1368	0.5532	2.6900	0.5798	0.5205	1.1002	0.0000	5,172.5600	5,172.5600	0.6414	0.1977	5,247.5040
2028	14.6978	24.5729	39.1262	0.0816	2.6417	1.0245	3.6662	0.7145	0.9583	1.6728	0.0000	8,017.4244	8,017.4244	1.3757	0.2012	8,111.7848
<b>Maximum</b>	<b>14.6978</b>	<b>26.2730</b>	<b>39.1262</b>	<b>0.0816</b>	<b>8.7633</b>	<b>1.0994</b>	<b>9.8627</b>	<b>4.4164</b>	<b>1.0119</b>	<b>5.4283</b>	<b>0.0000</b>	<b>8,017.4244</b>	<b>8,017.4244</b>	<b>1.3757</b>	<b>0.2030</b>	<b>8,111.7848</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>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>46.31</b>	<b>0.00</b>	<b>41.86</b>	<b>50.76</b>	<b>0.00</b>	<b>41.79</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.0072	1.2200e-003	0.1343	1.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004		0.2887	0.2887	7.5000e-004		0.3074
Energy	0.0214	0.1941	0.1630	1.1600e-003		0.0148	0.0148		0.0148	0.0148		232.8976	232.8976	4.4600e-003	4.2700e-003	234.2816

Eastside Neighborhood School - Riverside-South Coast County, Summer

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

Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>2.0285</b>	<b>0.1953</b>	<b>0.2973</b>	<b>1.1700e-003</b>	<b>0.0000</b>	<b>0.0152</b>	<b>0.0152</b>	<b>0.0000</b>	<b>0.0152</b>	<b>0.0152</b>		<b>233.1863</b>	<b>233.1863</b>	<b>5.2100e-003</b>	<b>4.2700e-003</b>	<b>234.5890</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	2.0072	1.2200e-003	0.1343	1.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004		0.2887	0.2887	7.5000e-004		0.3074
Energy	0.0214	0.1941	0.1630	1.1600e-003		0.0148	0.0148		0.0148	0.0148		232.8976	232.8976	4.4600e-003	4.2700e-003	234.2816
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>2.0285</b>	<b>0.1953</b>	<b>0.2973</b>	<b>1.1700e-003</b>	<b>0.0000</b>	<b>0.0152</b>	<b>0.0152</b>	<b>0.0000</b>	<b>0.0152</b>	<b>0.0152</b>		<b>233.1863</b>	<b>233.1863</b>	<b>5.2100e-003</b>	<b>4.2700e-003</b>	<b>234.5890</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
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description

Eastside Neighborhood School - Riverside-South Coast County, Summer

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

1	Building and Asphalt Demolition	Demolition	1/1/2026	4/14/2026	5	74	a
2	Building and Asphalt Demolition	Demolition	2/15/2026	4/14/2026	5	42	b
3	Debris Haul Site Preparation	Site Preparation	4/15/2026	5/29/2026	5	33	c
4	Site Preparation Soil Haul	Site Preparation	5/29/2026	5/29/2026	5	1	d
5	Rough Grading	Grading	5/31/2026	7/20/2026	5	36	e
6	Utility Trenching	Trenching	7/21/2026	9/20/2026	5	44	f
7	Fine Grading	Grading	9/21/2026	10/20/2026	5	22	g
8	Building Construction	Building Construction	10/21/2026	6/5/2028	5	424	h
9	Architectural Coating	Architectural Coating	2/18/2028	6/5/2028	5	77	j
10	Asphalt Paving	Paving	3/8/2028	6/5/2028	5	64	i
11	Finishing/Landscaping	Trenching	6/6/2028	7/15/2028	5	29	k

**Acres of Grading (Site Preparation Phase): 49.5**

**Acres of Grading (Grading Phase): 36**

**Acres of Paving: 7.32**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 140,798; Non-Residential Outdoor: 46,933; Striped Parking Area: 3,108**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building and Asphalt Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building and Asphalt Demolition	Excavators	3	8.00	158	0.38
Building and Asphalt Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Building and Asphalt Demolition Debris Haul	Concrete/Industrial Saws	0	8.00	81	0.73
Building and Asphalt Demolition Debris Haul	Excavators	0	8.00	158	0.38
Building and Asphalt Demolition Debris Haul	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

Eastside Neighborhood School - Riverside-South Coast County, Summer

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

Site Preparation Soil Haul	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation Soil Haul	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Rough Grading	Excavators	1	8.00	158	0.38
Rough Grading	Graders	1	8.00	187	0.41
Rough Grading	Rubber Tired Dozers	1	8.00	247	0.40
Rough Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Utility Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Fine Grading	Excavators	1	8.00	158	0.38
Fine Grading	Graders	1	8.00	187	0.41
Fine Grading	Rubber Tired Dozers	1	8.00	247	0.40
Fine Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Asphalt Paving	Pavers	2	8.00	130	0.42
Asphalt Paving	Paving Equipment	2	8.00	132	0.36
Asphalt Paving	Rollers	2	8.00	80	0.38
Finishing/Landscaping	Forklifts	1	8.00	89	0.20
Finishing/Landscaping	Tractors/Loaders/Backhoes	1	8.00	97	0.37

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building and Asphalt Demolition	6	15.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building and Asphalt Demolition Debris Haul	0	0.00	0.00	575.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT



Eastside Neighborhood School - Riverside-South Coast County, Summer

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

Site Preparation	7	18.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation Soil Haul	0	0.00	0.00	9.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Rough Grading	6	15.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Utility Trenching	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Fine Grading	6	15.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	169.00	66.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	34.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Finishing/Landscaping	2	5.00	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

Clean Paved Roads

**3.2 Building and Asphalt Demolition - 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	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920		3,747.5996	3,747.5996	1.0464		3,773.7606
<b>Total</b>	<b>2.0926</b>	<b>19.1966</b>	<b>19.4184</b>	<b>0.0388</b>		<b>0.8528</b>	<b>0.8528</b>		<b>0.7920</b>	<b>0.7920</b>		<b>3,747.5996</b>	<b>3,747.5996</b>	<b>1.0464</b>		<b>3,773.7606</b>

**Unmitigated Construction Off-Site**

Eastside Neighborhood School - Riverside-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					
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	4.3300e-003	0.1283	0.0521	6.6000e-004	0.0256	1.1300e-003	0.0268	7.3800e-003	1.0800e-003	8.4500e-003		70.3759	70.3759	8.4000e-004	0.0103	73.4791
Worker	0.0448	0.0245	0.4469	1.3400e-003	0.1677	6.7000e-004	0.1683	0.0445	6.2000e-004	0.0451		135.0356	135.0356	2.5500e-003	2.8700e-003	135.9547
<b>Total</b>	<b>0.0491</b>	<b>0.1528</b>	<b>0.4990</b>	<b>2.0000e-003</b>	<b>0.1933</b>	<b>1.8000e-003</b>	<b>0.1951</b>	<b>0.0519</b>	<b>1.7000e-003</b>	<b>0.0535</b>		<b>205.4115</b>	<b>205.4115</b>	<b>3.3900e-003</b>	<b>0.0132</b>	<b>209.4338</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	lb/day										lb/day					
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606
<b>Total</b>	<b>2.0926</b>	<b>19.1966</b>	<b>19.4184</b>	<b>0.0388</b>		<b>0.8528</b>	<b>0.8528</b>		<b>0.7920</b>	<b>0.7920</b>	<b>0.0000</b>	<b>3,747.5996</b>	<b>3,747.5996</b>	<b>1.0464</b>		<b>3,773.7606</b>

**Mitigated Construction Off-Site**

Eastside Neighborhood School - Riverside-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					
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	4.3300e-003	0.1283	0.0521	6.6000e-004	0.0240	1.1300e-003	0.0251	6.9700e-003	1.0800e-003	8.0500e-003		70.3759	70.3759	8.4000e-004	0.0103	73.4791
Worker	0.0448	0.0245	0.4469	1.3400e-003	0.1546	6.7000e-004	0.1552	0.0413	6.2000e-004	0.0419		135.0356	135.0356	2.5500e-003	2.8700e-003	135.9547
<b>Total</b>	<b>0.0491</b>	<b>0.1528</b>	<b>0.4990</b>	<b>2.0000e-003</b>	<b>0.1785</b>	<b>1.8000e-003</b>	<b>0.1803</b>	<b>0.0482</b>	<b>1.7000e-003</b>	<b>0.0499</b>		<b>205.4115</b>	<b>205.4115</b>	<b>3.3900e-003</b>	<b>0.0132</b>	<b>209.4338</b>

**3.3 Building and Asphalt Demolition Debris Haul - 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					
Fugitive Dust					2.9410	0.0000	2.9410	0.4453	0.0000	0.4453			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.9410</b>	<b>0.0000</b>	<b>2.9410</b>	<b>0.4453</b>	<b>0.0000</b>	<b>0.4453</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

**Unmitigated Construction Off-Site**

Eastside Neighborhood School - Riverside-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					
Hauling	0.0297	1.3409	0.3850	7.0800e-003	0.2396	0.0163	0.2558	0.0657	0.0156	0.0812		758.1499	758.1499	0.0133	0.1196	794.1081
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0297</b>	<b>1.3409</b>	<b>0.3850</b>	<b>7.0800e-003</b>	<b>0.2396</b>	<b>0.0163</b>	<b>0.2558</b>	<b>0.0657</b>	<b>0.0156</b>	<b>0.0812</b>		<b>758.1499</b>	<b>758.1499</b>	<b>0.0133</b>	<b>0.1196</b>	<b>794.1081</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	lb/day										lb/day					
Fugitive Dust					1.2573	0.0000	1.2573	0.1904	0.0000	0.1904			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.2573</b>	<b>0.0000</b>	<b>1.2573</b>	<b>0.1904</b>	<b>0.0000</b>	<b>0.1904</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

Mitigated Construction Off-Site

Eastside Neighborhood School - Riverside-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					
Hauling	0.0297	1.3409	0.3850	7.0800e-003	0.2233	0.0163	0.2396	0.0617	0.0156	0.0772		758.1499	758.1499	0.0133	0.1196	794.1081
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0297</b>	<b>1.3409</b>	<b>0.3850</b>	<b>7.0800e-003</b>	<b>0.2233</b>	<b>0.0163</b>	<b>0.2396</b>	<b>0.0617</b>	<b>0.0156</b>	<b>0.0772</b>		<b>758.1499</b>	<b>758.1499</b>	<b>0.0133</b>	<b>0.1196</b>	<b>794.1081</b>

**3.4 Site Preparation - 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					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999		3,689.1037	3,689.1037	1.1931		3,718.9320
<b>Total</b>	<b>2.4727</b>	<b>25.2339</b>	<b>17.9118</b>	<b>0.0381</b>	<b>19.6570</b>	<b>1.0868</b>	<b>20.7438</b>	<b>10.1025</b>	<b>0.9999</b>	<b>11.1023</b>		<b>3,689.1037</b>	<b>3,689.1037</b>	<b>1.1931</b>		<b>3,718.9320</b>

**Unmitigated Construction Off-Site**

Eastside Neighborhood School - Riverside-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					
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	4.3300e-003	0.1283	0.0521	6.6000e-004	0.0256	1.1300e-003	0.0268	7.3800e-003	1.0800e-003	8.4500e-003		70.3759	70.3759	8.4000e-004	0.0103	73.4791
Worker	0.0537	0.0293	0.5363	1.6000e-003	0.2012	8.1000e-004	0.2020	0.0534	7.4000e-004	0.0541		162.0427	162.0427	3.0600e-003	3.4400e-003	163.1456
<b>Total</b>	<b>0.0581</b>	<b>0.1577</b>	<b>0.5884</b>	<b>2.2600e-003</b>	<b>0.2268</b>	<b>1.9400e-003</b>	<b>0.2288</b>	<b>0.0607</b>	<b>1.8200e-003</b>	<b>0.0626</b>		<b>232.4186</b>	<b>232.4186</b>	<b>3.9000e-003</b>	<b>0.0138</b>	<b>236.6247</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	lb/day										lb/day					
Fugitive Dust					8.4034	0.0000	8.4034	4.3188	0.0000	4.3188			0.0000			0.0000
Off-Road	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999	0.0000	3,689.1037	3,689.1037	1.1931		3,718.9320
<b>Total</b>	<b>2.4727</b>	<b>25.2339</b>	<b>17.9118</b>	<b>0.0381</b>	<b>8.4034</b>	<b>1.0868</b>	<b>9.4902</b>	<b>4.3188</b>	<b>0.9999</b>	<b>5.3187</b>	<b>0.0000</b>	<b>3,689.1037</b>	<b>3,689.1037</b>	<b>1.1931</b>		<b>3,718.9320</b>

**Mitigated Construction Off-Site**

Eastside Neighborhood School - Riverside-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					
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	4.3300e-003	0.1283	0.0521	6.6000e-004	0.0240	1.1300e-003	0.0251	6.9700e-003	1.0800e-003	8.0500e-003		70.3759	70.3759	8.4000e-004	0.0103	73.4791
Worker	0.0537	0.0293	0.5363	1.6000e-003	0.1855	8.1000e-004	0.1863	0.0495	7.4000e-004	0.0502		162.0427	162.0427	3.0600e-003	3.4400e-003	163.1456
<b>Total</b>	<b>0.0581</b>	<b>0.1577</b>	<b>0.5884</b>	<b>2.2600e-003</b>	<b>0.2094</b>	<b>1.9400e-003</b>	<b>0.2114</b>	<b>0.0565</b>	<b>1.8200e-003</b>	<b>0.0583</b>		<b>232.4186</b>	<b>232.4186</b>	<b>3.9000e-003</b>	<b>0.0138</b>	<b>236.6247</b>

**3.5 Site Preparation Soil Haul - 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					
Fugitive Dust					8.6100e-003	0.0000	8.6100e-003	1.3000e-003	0.0000	1.3000e-003			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>8.6100e-003</b>	<b>0.0000</b>	<b>8.6100e-003</b>	<b>1.3000e-003</b>	<b>0.0000</b>	<b>1.3000e-003</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

**Unmitigated Construction Off-Site**

Eastside Neighborhood School - Riverside-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					
Hauling	0.0195	0.8815	0.2531	4.6600e-003	0.1575	0.0107	0.1682	0.0432	0.0102	0.0534		498.4012	498.4012	8.7600e-003	0.0786	522.0397
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0195</b>	<b>0.8815</b>	<b>0.2531</b>	<b>4.6600e-003</b>	<b>0.1575</b>	<b>0.0107</b>	<b>0.1682</b>	<b>0.0432</b>	<b>0.0102</b>	<b>0.0534</b>		<b>498.4012</b>	<b>498.4012</b>	<b>8.7600e-003</b>	<b>0.0786</b>	<b>522.0397</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	lb/day										lb/day					
Fugitive Dust					3.6800e-003	0.0000	3.6800e-003	5.6000e-004	0.0000	5.6000e-004			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.6800e-003</b>	<b>0.0000</b>	<b>3.6800e-003</b>	<b>5.6000e-004</b>	<b>0.0000</b>	<b>5.6000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

**Mitigated Construction Off-Site**



Eastside Neighborhood School - Riverside-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					
Hauling	0.0195	0.8815	0.2531	4.6600e-003	0.1468	0.0107	0.1575	0.0406	0.0102	0.0508		498.4012	498.4012	8.7600e-003	0.0786	522.0397
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0195</b>	<b>0.8815</b>	<b>0.2531</b>	<b>4.6600e-003</b>	<b>0.1468</b>	<b>0.0107</b>	<b>0.1575</b>	<b>0.0406</b>	<b>0.0102</b>	<b>0.0508</b>		<b>498.4012</b>	<b>498.4012</b>	<b>8.7600e-003</b>	<b>0.0786</b>	<b>522.0397</b>

**3.6 Rough Grading - 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					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.5227	15.3148	14.5402	0.0297		0.6236	0.6236		0.5737	0.5737		2,873.7052	2,873.7052	0.9294		2,896.9405
<b>Total</b>	<b>1.5227</b>	<b>15.3148</b>	<b>14.5402</b>	<b>0.0297</b>	<b>7.0826</b>	<b>0.6236</b>	<b>7.7062</b>	<b>3.4247</b>	<b>0.5737</b>	<b>3.9984</b>		<b>2,873.7052</b>	<b>2,873.7052</b>	<b>0.9294</b>		<b>2,896.9405</b>

**Unmitigated Construction Off-Site**

Eastside Neighborhood School - Riverside-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					
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	4.3300e-003	0.1283	0.0521	6.6000e-004	0.0256	1.1300e-003	0.0268	7.3800e-003	1.0800e-003	8.4500e-003		70.3759	70.3759	8.4000e-004	0.0103	73.4791
Worker	0.0448	0.0245	0.4469	1.3400e-003	0.1677	6.7000e-004	0.1683	0.0445	6.2000e-004	0.0451		135.0356	135.0356	2.5500e-003	2.8700e-003	135.9547
<b>Total</b>	<b>0.0491</b>	<b>0.1528</b>	<b>0.4990</b>	<b>2.0000e-003</b>	<b>0.1933</b>	<b>1.8000e-003</b>	<b>0.1951</b>	<b>0.0519</b>	<b>1.7000e-003</b>	<b>0.0535</b>		<b>205.4115</b>	<b>205.4115</b>	<b>3.3900e-003</b>	<b>0.0132</b>	<b>209.4338</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	lb/day										lb/day					
Fugitive Dust					3.0278	0.0000	3.0278	1.4641	0.0000	1.4641			0.0000			0.0000
Off-Road	1.5227	15.3148	14.5402	0.0297		0.6236	0.6236		0.5737	0.5737	0.0000	2,873.7052	2,873.7052	0.9294		2,896.9405
<b>Total</b>	<b>1.5227</b>	<b>15.3148</b>	<b>14.5402</b>	<b>0.0297</b>	<b>3.0278</b>	<b>0.6236</b>	<b>3.6514</b>	<b>1.4641</b>	<b>0.5737</b>	<b>2.0378</b>	<b>0.0000</b>	<b>2,873.7052</b>	<b>2,873.7052</b>	<b>0.9294</b>		<b>2,896.9405</b>

**Mitigated Construction Off-Site**

Eastside Neighborhood School - Riverside-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					
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	4.3300e-003	0.1283	0.0521	6.6000e-004	0.0240	1.1300e-003	0.0251	6.9700e-003	1.0800e-003	8.0500e-003		70.3759	70.3759	8.4000e-004	0.0103	73.4791
Worker	0.0448	0.0245	0.4469	1.3400e-003	0.1546	6.7000e-004	0.1552	0.0413	6.2000e-004	0.0419		135.0356	135.0356	2.5500e-003	2.8700e-003	135.9547
<b>Total</b>	<b>0.0491</b>	<b>0.1528</b>	<b>0.4990</b>	<b>2.0000e-003</b>	<b>0.1785</b>	<b>1.8000e-003</b>	<b>0.1803</b>	<b>0.0482</b>	<b>1.7000e-003</b>	<b>0.0499</b>		<b>205.4115</b>	<b>205.4115</b>	<b>3.3900e-003</b>	<b>0.0132</b>	<b>209.4338</b>

**3.7 Utility Trenching - 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	0.2643	2.6702	4.4593	6.2400e-003		0.1082	0.1082		0.0995	0.0995		604.1117	604.1117	0.1954		608.9963
<b>Total</b>	<b>0.2643</b>	<b>2.6702</b>	<b>4.4593</b>	<b>6.2400e-003</b>		<b>0.1082</b>	<b>0.1082</b>		<b>0.0995</b>	<b>0.0995</b>		<b>604.1117</b>	<b>604.1117</b>	<b>0.1954</b>		<b>608.9963</b>

**Unmitigated Construction Off-Site**

Eastside Neighborhood School - Riverside-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					
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	0.0149	8.1500e-003	0.1490	4.5000e-004	0.0559	2.2000e-004	0.0561	0.0148	2.1000e-004	0.0150		45.0119	45.0119	8.5000e-004	9.6000e-004	45.3182
<b>Total</b>	<b>0.0149</b>	<b>8.1500e-003</b>	<b>0.1490</b>	<b>4.5000e-004</b>	<b>0.0559</b>	<b>2.2000e-004</b>	<b>0.0561</b>	<b>0.0148</b>	<b>2.1000e-004</b>	<b>0.0150</b>		<b>45.0119</b>	<b>45.0119</b>	<b>8.5000e-004</b>	<b>9.6000e-004</b>	<b>45.3182</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	lb/day										lb/day					
Off-Road	0.2643	2.6702	4.4593	6.2400e-003		0.1082	0.1082		0.0995	0.0995	0.0000	604.1117	604.1117	0.1954		608.9963
<b>Total</b>	<b>0.2643</b>	<b>2.6702</b>	<b>4.4593</b>	<b>6.2400e-003</b>		<b>0.1082</b>	<b>0.1082</b>		<b>0.0995</b>	<b>0.0995</b>	<b>0.0000</b>	<b>604.1117</b>	<b>604.1117</b>	<b>0.1954</b>		<b>608.9963</b>

**Mitigated Construction Off-Site**

Eastside Neighborhood School - Riverside-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					
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	0.0149	8.1500e-003	0.1490	4.5000e-004	0.0515	2.2000e-004	0.0517	0.0138	2.1000e-004	0.0140		45.0119	45.0119	8.5000e-004	9.6000e-004	45.3182
<b>Total</b>	<b>0.0149</b>	<b>8.1500e-003</b>	<b>0.1490</b>	<b>4.5000e-004</b>	<b>0.0515</b>	<b>2.2000e-004</b>	<b>0.0517</b>	<b>0.0138</b>	<b>2.1000e-004</b>	<b>0.0140</b>		<b>45.0119</b>	<b>45.0119</b>	<b>8.5000e-004</b>	<b>9.6000e-004</b>	<b>45.3182</b>

**3.8 Fine Grading - 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					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.5227	15.3148	14.5402	0.0297		0.6236	0.6236		0.5737	0.5737		2,873.7052	2,873.7052	0.9294		2,896.9405
<b>Total</b>	<b>1.5227</b>	<b>15.3148</b>	<b>14.5402</b>	<b>0.0297</b>	<b>7.0826</b>	<b>0.6236</b>	<b>7.7062</b>	<b>3.4247</b>	<b>0.5737</b>	<b>3.9984</b>		<b>2,873.7052</b>	<b>2,873.7052</b>	<b>0.9294</b>		<b>2,896.9405</b>

**Unmitigated Construction Off-Site**

Eastside Neighborhood School - Riverside-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					
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	4.3300e-003	0.1283	0.0521	6.6000e-004	0.0256	1.1300e-003	0.0268	7.3800e-003	1.0800e-003	8.4500e-003		70.3759	70.3759	8.4000e-004	0.0103	73.4791
Worker	0.0448	0.0245	0.4469	1.3400e-003	0.1677	6.7000e-004	0.1683	0.0445	6.2000e-004	0.0451		135.0356	135.0356	2.5500e-003	2.8700e-003	135.9547
<b>Total</b>	<b>0.0491</b>	<b>0.1528</b>	<b>0.4990</b>	<b>2.0000e-003</b>	<b>0.1933</b>	<b>1.8000e-003</b>	<b>0.1951</b>	<b>0.0519</b>	<b>1.7000e-003</b>	<b>0.0535</b>		<b>205.4115</b>	<b>205.4115</b>	<b>3.3900e-003</b>	<b>0.0132</b>	<b>209.4338</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	lb/day										lb/day					
Fugitive Dust					3.0278	0.0000	3.0278	1.4641	0.0000	1.4641			0.0000			0.0000
Off-Road	1.5227	15.3148	14.5402	0.0297		0.6236	0.6236		0.5737	0.5737	0.0000	2,873.7052	2,873.7052	0.9294		2,896.9405
<b>Total</b>	<b>1.5227</b>	<b>15.3148</b>	<b>14.5402</b>	<b>0.0297</b>	<b>3.0278</b>	<b>0.6236</b>	<b>3.6514</b>	<b>1.4641</b>	<b>0.5737</b>	<b>2.0378</b>	<b>0.0000</b>	<b>2,873.7052</b>	<b>2,873.7052</b>	<b>0.9294</b>		<b>2,896.9405</b>

**Mitigated Construction Off-Site**

Eastside Neighborhood School - Riverside-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					
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	4.3300e-003	0.1283	0.0521	6.6000e-004	0.0240	1.1300e-003	0.0251	6.9700e-003	1.0800e-003	8.0500e-003		70.3759	70.3759	8.4000e-004	0.0103	73.4791
Worker	0.0448	0.0245	0.4469	1.3400e-003	0.1546	6.7000e-004	0.1552	0.0413	6.2000e-004	0.0419		135.0356	135.0356	2.5500e-003	2.8700e-003	135.9547
<b>Total</b>	<b>0.0491</b>	<b>0.1528</b>	<b>0.4990</b>	<b>2.0000e-003</b>	<b>0.1785</b>	<b>1.8000e-003</b>	<b>0.1803</b>	<b>0.0482</b>	<b>1.7000e-003</b>	<b>0.0499</b>		<b>205.4115</b>	<b>205.4115</b>	<b>3.3900e-003</b>	<b>0.0132</b>	<b>209.4338</b>

**3.9 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		2,556.4744	2,556.4744	0.6010		2,571.4981
<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>2,556.4744</b>	<b>2,556.4744</b>	<b>0.6010</b>		<b>2,571.4981</b>

**Unmitigated Construction Off-Site**

Eastside Neighborhood School - Riverside-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					
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	0.0714	2.1173	0.8594	0.0109	0.4227	0.0186	0.4413	0.1217	0.0178	0.1395		1,161.2022	1,161.2022	0.0139	0.1707	1,212.4050
Worker	0.5045	0.2755	5.0355	0.0151	1.8890	7.5700e-003	1.8966	0.5010	6.9700e-003	0.5079		1,521.4007	1,521.4007	0.0287	0.0323	1,531.7562
<b>Total</b>	<b>0.5759</b>	<b>2.3928</b>	<b>5.8950</b>	<b>0.0260</b>	<b>2.3117</b>	<b>0.0262</b>	<b>2.3379</b>	<b>0.6227</b>	<b>0.0248</b>	<b>0.6474</b>		<b>2,682.6030</b>	<b>2,682.6030</b>	<b>0.0426</b>	<b>0.2030</b>	<b>2,744.1612</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	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
<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>2,556.4744</b>	<b>2,556.4744</b>	<b>0.6010</b>		<b>2,571.4981</b>

**Mitigated Construction Off-Site**



Eastside Neighborhood School - Riverside-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					
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	0.0714	2.1173	0.8594	0.0109	0.3956	0.0186	0.4142	0.1151	0.0178	0.1328		1,161.2022	1,161.2022	0.0139	0.1707	1,212.4050
Worker	0.5045	0.2755	5.0355	0.0151	1.7412	7.5700e-003	1.7488	0.4647	6.9700e-003	0.4717		1,521.4007	1,521.4007	0.0287	0.0323	1,531.7562
<b>Total</b>	<b>0.5759</b>	<b>2.3928</b>	<b>5.8950</b>	<b>0.0260</b>	<b>2.1368</b>	<b>0.0262</b>	<b>2.1630</b>	<b>0.5798</b>	<b>0.0248</b>	<b>0.6045</b>		<b>2,682.6030</b>	<b>2,682.6030</b>	<b>0.0426</b>	<b>0.2030</b>	<b>2,744.1612</b>

**3.9 Building Construction - 2027**

**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		2,556.4744	2,556.4744	0.6010		2,571.4981
<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>2,556.4744</b>	<b>2,556.4744</b>	<b>0.6010</b>		<b>2,571.4981</b>

**Unmitigated Construction Off-Site**

Eastside Neighborhood School - Riverside-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					
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	0.0707	2.0958	0.8527	0.0107	0.4227	0.0185	0.4412	0.1217	0.0177	0.1394		1,138.5656	1,138.5656	0.0143	0.1671	1,188.7037
Worker	0.4745	0.2511	4.7443	0.0146	1.8890	7.1000e-003	1.8961	0.5010	6.5400e-003	0.5075		1,477.5200	1,477.5200	0.0262	0.0306	1,487.3023
<b>Total</b>	<b>0.5452</b>	<b>2.3468</b>	<b>5.5970</b>	<b>0.0253</b>	<b>2.3117</b>	<b>0.0256</b>	<b>2.3373</b>	<b>0.6227</b>	<b>0.0242</b>	<b>0.6469</b>		<b>2,616.0856</b>	<b>2,616.0856</b>	<b>0.0404</b>	<b>0.1977</b>	<b>2,676.0059</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	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
<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>2,556.4744</b>	<b>2,556.4744</b>	<b>0.6010</b>		<b>2,571.4981</b>

**Mitigated Construction Off-Site**

Eastside Neighborhood School - Riverside-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					
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	0.0707	2.0958	0.8527	0.0107	0.3956	0.0185	0.4141	0.1151	0.0177	0.1327		1,138.5656	1,138.5656	0.0143	0.1671	1,188.7037
Worker	0.4745	0.2511	4.7443	0.0146	1.7412	7.1000e-003	1.7483	0.4647	6.5400e-003	0.4712		1,477.5200	1,477.5200	0.0262	0.0306	1,487.3023
<b>Total</b>	<b>0.5452</b>	<b>2.3468</b>	<b>5.5970</b>	<b>0.0253</b>	<b>2.1368</b>	<b>0.0256</b>	<b>2.1624</b>	<b>0.5798</b>	<b>0.0242</b>	<b>0.6040</b>		<b>2,616.0856</b>	<b>2,616.0856</b>	<b>0.0404</b>	<b>0.1977</b>	<b>2,676.0059</b>

**3.9 Building Construction - 2028**

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		2,556.4744	2,556.4744	0.6010		2,571.4981
<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>2,556.4744</b>	<b>2,556.4744</b>	<b>0.6010</b>		<b>2,571.4981</b>

Unmitigated Construction Off-Site

Eastside Neighborhood School - Riverside-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					
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	0.0701	2.0786	0.8479	0.0105	0.4227	0.0184	0.4411	0.1217	0.0176	0.1393		1,116.8332	1,116.8332	0.0147	0.1636	1,165.9423
Worker	0.4477	0.2306	4.5013	0.0142	1.8890	6.6200e-003	1.8956	0.5010	6.0900e-003	0.5071		1,438.7666	1,438.7666	0.0240	0.0292	1,448.0701
<b>Total</b>	<b>0.5178</b>	<b>2.3093</b>	<b>5.3493</b>	<b>0.0247</b>	<b>2.3117</b>	<b>0.0250</b>	<b>2.3367</b>	<b>0.6227</b>	<b>0.0237</b>	<b>0.6464</b>		<b>2,555.5997</b>	<b>2,555.5997</b>	<b>0.0387</b>	<b>0.1928</b>	<b>2,614.0124</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	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
<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>2,556.4744</b>	<b>2,556.4744</b>	<b>0.6010</b>		<b>2,571.4981</b>

Mitigated Construction Off-Site

Eastside Neighborhood School - Riverside-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					
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	0.0701	2.0786	0.8479	0.0105	0.3956	0.0184	0.4140	0.1151	0.0176	0.1327		1,116.8332	1,116.8332	0.0147	0.1636	1,165.9423
Worker	0.4477	0.2306	4.5013	0.0142	1.7412	6.6200e-003	1.7478	0.4647	6.0900e-003	0.4708		1,438.7666	1,438.7666	0.0240	0.0292	1,448.0701
<b>Total</b>	<b>0.5178</b>	<b>2.3093</b>	<b>5.3493</b>	<b>0.0247</b>	<b>2.1368</b>	<b>0.0250</b>	<b>2.1618</b>	<b>0.5798</b>	<b>0.0237</b>	<b>0.6035</b>		<b>2,555.5997</b>	<b>2,555.5997</b>	<b>0.0387</b>	<b>0.1928</b>	<b>2,614.0124</b>

**3.10 Architectural Coating - 2028**

**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	11.4875					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>11.6584</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**

Eastside Neighborhood School - Riverside-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					
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	0.0901	0.0464	0.9056	2.8600e-003	0.3800	1.3300e-003	0.3814	0.1008	1.2300e-003	0.1020		289.4560	289.4560	4.8200e-003	5.8800e-003	291.3277
<b>Total</b>	<b>0.0901</b>	<b>0.0464</b>	<b>0.9056</b>	<b>2.8600e-003</b>	<b>0.3800</b>	<b>1.3300e-003</b>	<b>0.3814</b>	<b>0.1008</b>	<b>1.2300e-003</b>	<b>0.1020</b>		<b>289.4560</b>	<b>289.4560</b>	<b>4.8200e-003</b>	<b>5.8800e-003</b>	<b>291.3277</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	lb/day										lb/day					
Archit. Coating	11.4875					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>11.6584</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**

Eastside Neighborhood School - Riverside-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					
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	0.0901	0.0464	0.9056	2.8600e-003	0.3503	1.3300e-003	0.3516	0.0935	1.2300e-003	0.0947		289.4560	289.4560	4.8200e-003	5.8800e-003	291.3277
<b>Total</b>	<b>0.0901</b>	<b>0.0464</b>	<b>0.9056</b>	<b>2.8600e-003</b>	<b>0.3503</b>	<b>1.3300e-003</b>	<b>0.3516</b>	<b>0.0935</b>	<b>1.2300e-003</b>	<b>0.0947</b>		<b>289.4560</b>	<b>289.4560</b>	<b>4.8200e-003</b>	<b>5.8800e-003</b>	<b>291.3277</b>

**3.11 Asphalt Paving - 2028**

**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	0.1093					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.0245</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**

Eastside Neighborhood School - Riverside-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					
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	0.0397	0.0205	0.3995	1.2600e-003	0.1677	5.9000e-004	0.1683	0.0445	5.4000e-004	0.0450		127.7012	127.7012	2.1300e-003	2.5900e-003	128.5269
<b>Total</b>	<b>0.0397</b>	<b>0.0205</b>	<b>0.3995</b>	<b>1.2600e-003</b>	<b>0.1677</b>	<b>5.9000e-004</b>	<b>0.1683</b>	<b>0.0445</b>	<b>5.4000e-004</b>	<b>0.0450</b>		<b>127.7012</b>	<b>127.7012</b>	<b>2.1300e-003</b>	<b>2.5900e-003</b>	<b>128.5269</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	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.1093					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.0245</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>2,206.7452</b>	<b>2,206.7452</b>	<b>0.7137</b>		<b>2,224.5878</b>

**Mitigated Construction Off-Site**



Eastside Neighborhood School - Riverside-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					
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	0.0397	0.0205	0.3995	1.2600e-003	0.1546	5.9000e-004	0.1551	0.0413	5.4000e-004	0.0418		127.7012	127.7012	2.1300e-003	2.5900e-003	128.5269
<b>Total</b>	<b>0.0397</b>	<b>0.0205</b>	<b>0.3995</b>	<b>1.2600e-003</b>	<b>0.1546</b>	<b>5.9000e-004</b>	<b>0.1551</b>	<b>0.0413</b>	<b>5.4000e-004</b>	<b>0.0418</b>		<b>127.7012</b>	<b>127.7012</b>	<b>2.1300e-003</b>	<b>2.5900e-003</b>	<b>128.5269</b>

**3.12 Finishing/Landscaping - 2028**

**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	0.2190	2.1536	3.3634	4.6500e-003		0.0979	0.0979		0.0901	0.0901		450.0867	450.0867	0.1456		453.7259
<b>Total</b>	<b>0.2190</b>	<b>2.1536</b>	<b>3.3634</b>	<b>4.6500e-003</b>		<b>0.0979</b>	<b>0.0979</b>		<b>0.0901</b>	<b>0.0901</b>		<b>450.0867</b>	<b>450.0867</b>	<b>0.1456</b>		<b>453.7259</b>

**Unmitigated Construction Off-Site**

Eastside Neighborhood School - Riverside-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					
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	0.0132	6.8200e-003	0.1332	4.2000e-004	0.0559	2.0000e-004	0.0561	0.0148	1.8000e-004	0.0150		42.5671	42.5671	7.1000e-004	8.6000e-004	42.8423
<b>Total</b>	<b>0.0132</b>	<b>6.8200e-003</b>	<b>0.1332</b>	<b>4.2000e-004</b>	<b>0.0559</b>	<b>2.0000e-004</b>	<b>0.0561</b>	<b>0.0148</b>	<b>1.8000e-004</b>	<b>0.0150</b>		<b>42.5671</b>	<b>42.5671</b>	<b>7.1000e-004</b>	<b>8.6000e-004</b>	<b>42.8423</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	lb/day										lb/day					
Off-Road	0.2190	2.1536	3.3634	4.6500e-003		0.0979	0.0979		0.0901	0.0901	0.0000	450.0867	450.0867	0.1456		453.7259
<b>Total</b>	<b>0.2190</b>	<b>2.1536</b>	<b>3.3634</b>	<b>4.6500e-003</b>		<b>0.0979</b>	<b>0.0979</b>		<b>0.0901</b>	<b>0.0901</b>	<b>0.0000</b>	<b>450.0867</b>	<b>450.0867</b>	<b>0.1456</b>		<b>453.7259</b>

**Mitigated Construction Off-Site**

Eastside Neighborhood School - Riverside-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					
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	0.0132	6.8200e-003	0.1332	4.2000e-004	0.0515	2.0000e-004	0.0517	0.0138	1.8000e-004	0.0139		42.5671	42.5671	7.1000e-004	8.6000e-004	42.8423
<b>Total</b>	<b>0.0132</b>	<b>6.8200e-003</b>	<b>0.1332</b>	<b>4.2000e-004</b>	<b>0.0515</b>	<b>2.0000e-004</b>	<b>0.0517</b>	<b>0.0138</b>	<b>1.8000e-004</b>	<b>0.0139</b>		<b>42.5671</b>	<b>42.5671</b>	<b>7.1000e-004</b>	<b>8.6000e-004</b>	<b>42.8423</b>

Eastside Neighborhood School - Riverside-South Coast County, Winter

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

**Eastside Neighborhood School  
Riverside-South Coast County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	800.00	Students	0.80	61,149.00	0
High School	200.00	Students	0.25	22,000.00	0
Other Asphalt Surfaces	64.53	1000sqft	1.48	64,532.00	0
Other Non-Asphalt Surfaces	202.58	1000sqft	4.65	202,582.00	0
Parking Lot	51.80	1000sqft	1.19	51,800.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.4	<b>Precipitation Freq (Days)</b>	28
<b>Climate Zone</b>	10			<b>Operational Year</b>	2028
<b>Utility Company</b>	Riverside Public Utilities/City of Riverside				
<b>CO2 Intensity (lb/MWhr)</b>	789.98	<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 - Based on applicant info., see assumptions file

Construction Phase - Based on applicant info., see assumptions file

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Eastside Neighborhood School - Riverside-South Coast County, Winter

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

Off-road Equipment - No additional equipment required for demolition debris haul

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - 1 forklift and 1 tractors/loaders/backhoes added based on equipment mix of projects of a similar size

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - No additional equipment required for site preparation soil haul

Off-road Equipment - 2 tractors/loaders/backhoes added based on equipment mix of projects of a similar size

Trips and VMT - See assumptions file, assume 4 vendor trips/day/water trucks

Demolition -

Grading -

Architectural Coating - See assumptions file

Construction Off-road Equipment Mitigation - SCAQMD Rule 403 and SCAQMD Rule 1186

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	41,575.00	46,933.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	124,724.00	140,798.00
tblArchitecturalCoating	ConstArea_Parking	19,135.00	3,108.00
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	77.00
tblConstructionPhase	NumDays	230.00	424.00
tblConstructionPhase	NumDays	20.00	74.00
tblConstructionPhase	NumDays	20.00	42.00
tblConstructionPhase	NumDays	20.00	36.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	20.00	64.00
tblConstructionPhase	NumDays	10.00	33.00

Eastside Neighborhood School - Riverside-South Coast County, Winter

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

tblConstructionPhase	NumDays	10.00	1.00
tblGrading	MaterialExported	0.00	68.00
tblLandUse	LandUseSquareFeet	64,530.00	64,532.00
tblLandUse	LandUseSquareFeet	202,580.00	202,582.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblTripsAndVMT	HaulingTripNumber	567.00	575.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00

**2.0 Emissions Summary**

**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					
2026	2.5455	26.3346	21.0739	0.0516	20.0499	1.0994	21.1494	10.2077	1.0119	11.2196	0.0000	5,100.0585	5,100.0585	1.2057	0.2043	5,177.0238
2027	1.8826	14.9530	20.8331	0.0510	2.3117	0.5532	2.8649	0.6227	0.5205	1.1432	0.0000	5,037.8037	5,037.8037	0.6413	0.1989	5,113.1155
2028	14.6638	24.7101	38.0840	0.0799	2.8594	1.0246	3.8840	0.7679	0.9583	1.7263	0.0000	7,847.5647	7,847.5647	1.3757	0.2026	7,942.3371
<b>Maximum</b>	<b>14.6638</b>	<b>26.3346</b>	<b>38.0840</b>	<b>0.0799</b>	<b>20.0499</b>	<b>1.0994</b>	<b>21.1494</b>	<b>10.2077</b>	<b>1.0119</b>	<b>11.2196</b>	<b>0.0000</b>	<b>7,847.5647</b>	<b>7,847.5647</b>	<b>1.3757</b>	<b>0.2043</b>	<b>7,942.3371</b>

**Mitigated Construction**

Eastside Neighborhood School - Riverside-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
Year	lb/day										lb/day					
2026	2.5455	26.3346	21.0739	0.0516	8.7633	1.0994	9.8627	4.4164	1.0119	5.4283	0.0000	5,100.0585	5,100.0585	1.2057	0.2043	5,177.0238
2027	1.8826	14.9530	20.8331	0.0510	2.1368	0.5532	2.6900	0.5798	0.5205	1.1003	0.0000	5,037.8037	5,037.8037	0.6413	0.1989	5,113.1155
2028	14.6638	24.7101	38.0840	0.0799	2.6417	1.0246	3.6663	0.7145	0.9583	1.6728	0.0000	7,847.5647	7,847.5647	1.3757	0.2026	7,942.3371
<b>Maximum</b>	<b>14.6638</b>	<b>26.3346</b>	<b>38.0840</b>	<b>0.0799</b>	<b>8.7633</b>	<b>1.0994</b>	<b>9.8627</b>	<b>4.4164</b>	<b>1.0119</b>	<b>5.4283</b>	<b>0.0000</b>	<b>7,847.5647</b>	<b>7,847.5647</b>	<b>1.3757</b>	<b>0.2043</b>	<b>7,942.3371</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>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>46.31</b>	<b>0.00</b>	<b>41.86</b>	<b>50.76</b>	<b>0.00</b>	<b>41.79</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</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	Building and Asphalt Demolition	Demolition	1/1/2026	4/14/2026	5	74	a
2	Building and Asphalt Demolition Debris Haul	Demolition	2/15/2026	4/14/2026	5	42	b
3	Site Preparation	Site Preparation	4/15/2026	5/29/2026	5	33	c
4	Site Preparation Soil Haul	Site Preparation	5/29/2026	5/29/2026	5	1	d
5	Rough Grading	Grading	5/31/2026	7/20/2026	5	36	e
6	Utility Trenching	Trenching	7/21/2026	9/20/2026	5	44	f
7	Fine Grading	Grading	9/21/2026	10/20/2026	5	22	g

Eastside Neighborhood School - Riverside-South Coast County, Winter

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

8	Building Construction	Building Construction	10/21/2026	6/5/2028	5	424	h
9	Architectural Coating	Architectural Coating	2/18/2028	6/5/2028	5	77	j
10	Asphalt Paving	Paving	3/8/2028	6/5/2028	5	64	i
11	Finishing/Landscaping	Trenching	6/6/2028	7/15/2028	5	29	k

**Acres of Grading (Site Preparation Phase): 49.5**

**Acres of Grading (Grading Phase): 36**

**Acres of Paving: 7.32**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 140,798; Non-Residential Outdoor: 46,933; Striped Parking Area: 3,108**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building and Asphalt Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building and Asphalt Demolition	Excavators	3	8.00	158	0.38
Building and Asphalt Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Building and Asphalt Demolition Debris Haul	Concrete/Industrial Saws	0	8.00	81	0.73
Building and Asphalt Demolition Debris Haul	Excavators	0	8.00	158	0.38
Building and Asphalt Demolition Debris Haul	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation Soil Haul	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation Soil Haul	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Rough Grading	Excavators	1	8.00	158	0.38
Rough Grading	Graders	1	8.00	187	0.41
Rough Grading	Rubber Tired Dozers	1	8.00	247	0.40
Rough Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Utility Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Fine Grading	Excavators	1	8.00	158	0.38
Fine Grading	Graders	1	8.00	187	0.41
Fine Grading	Rubber Tired Dozers	1	8.00	247	0.40



Eastside Neighborhood School - Riverside-South Coast County, Winter

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

Fine Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Asphalt Paving	Pavers	2	8.00	130	0.42
Asphalt Paving	Paving Equipment	2	8.00	132	0.36
Asphalt Paving	Rollers	2	8.00	80	0.38
Finishing/Landscaping	Forklifts	1	8.00	89	0.20
Finishing/Landscaping	Tractors/Loaders/Backhoes	1	8.00	97	0.37

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building and Asphalt Demolition	6	15.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building and Asphalt Demolition Debris Haul	0	0.00	0.00	575.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation Soil Haul	0	0.00	0.00	9.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Rough Grading	6	15.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Utility Trenching	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Fine Grading	6	15.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	169.00	66.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	34.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Finishing/Landscaping	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Eastside Neighborhood School - Riverside-South Coast County, Winter

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

**3.1 Mitigation Measures Construction**

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

**3.2 Building and Asphalt Demolition - 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	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920		3,747.5996	3,747.5996	1.0464		3,773.7606
<b>Total</b>	<b>2.0926</b>	<b>19.1966</b>	<b>19.4184</b>	<b>0.0388</b>		<b>0.8528</b>	<b>0.8528</b>		<b>0.7920</b>	<b>0.7920</b>		<b>3,747.5996</b>	<b>3,747.5996</b>	<b>1.0464</b>		<b>3,773.7606</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

Eastside Neighborhood School - Riverside-South Coast County, Winter

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

Vendor	4.0000e-003	0.1361	0.0539	6.6000e-004	0.0256	1.1300e-003	0.0268	7.3800e-003	1.0800e-003	8.4600e-003		70.5536	70.5536	8.3000e-004	0.0104	73.6665
Worker	0.0423	0.0254	0.3639	1.2100e-003	0.1677	6.7000e-004	0.1683	0.0445	6.2000e-004	0.0451		122.4364	122.4364	2.5600e-003	2.9400e-003	123.3753
<b>Total</b>	<b>0.0463</b>	<b>0.1615</b>	<b>0.4178</b>	<b>1.8700e-003</b>	<b>0.1933</b>	<b>1.8000e-003</b>	<b>0.1951</b>	<b>0.0519</b>	<b>1.7000e-003</b>	<b>0.0535</b>		<b>192.9900</b>	<b>192.9900</b>	<b>3.3900e-003</b>	<b>0.0133</b>	<b>197.0418</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	lb/day										lb/day					
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606
<b>Total</b>	<b>2.0926</b>	<b>19.1966</b>	<b>19.4184</b>	<b>0.0388</b>		<b>0.8528</b>	<b>0.8528</b>		<b>0.7920</b>	<b>0.7920</b>	<b>0.0000</b>	<b>3,747.5996</b>	<b>3,747.5996</b>	<b>1.0464</b>		<b>3,773.7606</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	4.0000e-003	0.1361	0.0539	6.6000e-004	0.0240	1.1300e-003	0.0251	6.9700e-003	1.0800e-003	8.0500e-003		70.5536	70.5536	8.3000e-004	0.0104	73.6665
Worker	0.0423	0.0254	0.3639	1.2100e-003	0.1546	6.7000e-004	0.1552	0.0413	6.2000e-004	0.0419		122.4364	122.4364	2.5600e-003	2.9400e-003	123.3753
<b>Total</b>	<b>0.0463</b>	<b>0.1615</b>	<b>0.4178</b>	<b>1.8700e-003</b>	<b>0.1785</b>	<b>1.8000e-003</b>	<b>0.1803</b>	<b>0.0482</b>	<b>1.7000e-003</b>	<b>0.0499</b>		<b>192.9900</b>	<b>192.9900</b>	<b>3.3900e-003</b>	<b>0.0133</b>	<b>197.0418</b>

Eastside Neighborhood School - Riverside-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 Building and Asphalt Demolition Debris Haul - 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					
Fugitive Dust					2.9410	0.0000	2.9410	0.4453	0.0000	0.4453			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.9410</b>	<b>0.0000</b>	<b>2.9410</b>	<b>0.4453</b>	<b>0.0000</b>	<b>0.4453</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</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	0.0273	1.4210	0.3928	7.0900e-003	0.2396	0.0163	0.2559	0.0657	0.0156	0.0813		759.3498	759.3498	0.0132	0.1197	795.3616
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0273</b>	<b>1.4210</b>	<b>0.3928</b>	<b>7.0900e-003</b>	<b>0.2396</b>	<b>0.0163</b>	<b>0.2559</b>	<b>0.0657</b>	<b>0.0156</b>	<b>0.0813</b>		<b>759.3498</b>	<b>759.3498</b>	<b>0.0132</b>	<b>0.1197</b>	<b>795.3616</b>

Eastside Neighborhood School - Riverside-South Coast County, Winter

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

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2573	0.0000	1.2573	0.1904	0.0000	0.1904			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.2573</b>	<b>0.0000</b>	<b>1.2573</b>	<b>0.1904</b>	<b>0.0000</b>	<b>0.1904</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</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	0.0273	1.4210	0.3928	7.0900e-003	0.2233	0.0163	0.2396	0.0617	0.0156	0.0773		759.3498	759.3498	0.0132	0.1197	795.3616
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0273</b>	<b>1.4210</b>	<b>0.3928</b>	<b>7.0900e-003</b>	<b>0.2233</b>	<b>0.0163</b>	<b>0.2396</b>	<b>0.0617</b>	<b>0.0156</b>	<b>0.0773</b>		<b>759.3498</b>	<b>759.3498</b>	<b>0.0132</b>	<b>0.1197</b>	<b>795.3616</b>

Eastside Neighborhood School - Riverside-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 Site Preparation - 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					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999		3,689.1037	3,689.1037	1.1931		3,718.9320
<b>Total</b>	<b>2.4727</b>	<b>25.2339</b>	<b>17.9118</b>	<b>0.0381</b>	<b>19.6570</b>	<b>1.0868</b>	<b>20.7438</b>	<b>10.1025</b>	<b>0.9999</b>	<b>11.1023</b>		<b>3,689.1037</b>	<b>3,689.1037</b>	<b>1.1931</b>		<b>3,718.9320</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	4.0000e-003	0.1361	0.0539	6.6000e-004	0.0256	1.1300e-003	0.0268	7.3800e-003	1.0800e-003	8.4600e-003		70.5536	70.5536	8.3000e-004	0.0104	73.6665
Worker	0.0508	0.0304	0.4367	1.4500e-003	0.2012	8.1000e-004	0.2020	0.0534	7.4000e-004	0.0541		146.9237	146.9237	3.0700e-003	3.5200e-003	148.0504
<b>Total</b>	<b>0.0548</b>	<b>0.1665</b>	<b>0.4906</b>	<b>2.1100e-003</b>	<b>0.2268</b>	<b>1.9400e-003</b>	<b>0.2288</b>	<b>0.0607</b>	<b>1.8200e-003</b>	<b>0.0626</b>		<b>217.4773</b>	<b>217.4773</b>	<b>3.9000e-003</b>	<b>0.0139</b>	<b>221.7169</b>

Eastside Neighborhood School - Riverside-South Coast County, Winter

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

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.4034	0.0000	8.4034	4.3188	0.0000	4.3188			0.0000			0.0000
Off-Road	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999	0.0000	3,689.1037	3,689.1037	1.1931		3,718.9320
<b>Total</b>	<b>2.4727</b>	<b>25.2339</b>	<b>17.9118</b>	<b>0.0381</b>	<b>8.4034</b>	<b>1.0868</b>	<b>9.4902</b>	<b>4.3188</b>	<b>0.9999</b>	<b>5.3187</b>	<b>0.0000</b>	<b>3,689.1037</b>	<b>3,689.1037</b>	<b>1.1931</b>		<b>3,718.9320</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	4.0000e-003	0.1361	0.0539	6.6000e-004	0.0240	1.1300e-003	0.0251	6.9700e-003	1.0800e-003	8.0500e-003		70.5536	70.5536	8.3000e-004	0.0104	73.6665
Worker	0.0508	0.0304	0.4367	1.4500e-003	0.1855	8.1000e-004	0.1863	0.0495	7.4000e-004	0.0502		146.9237	146.9237	3.0700e-003	3.5200e-003	148.0504
<b>Total</b>	<b>0.0548</b>	<b>0.1665</b>	<b>0.4906</b>	<b>2.1100e-003</b>	<b>0.2094</b>	<b>1.9400e-003</b>	<b>0.2114</b>	<b>0.0565</b>	<b>1.8200e-003</b>	<b>0.0583</b>		<b>217.4773</b>	<b>217.4773</b>	<b>3.9000e-003</b>	<b>0.0139</b>	<b>221.7169</b>

**3.5 Site Preparation Soil Haul - 2026**

**Unmitigated Construction On-Site**

Eastside Neighborhood School - Riverside-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					
Fugitive Dust					8.6100e-003	0.0000	8.6100e-003	1.3000e-003	0.0000	1.3000e-003			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>8.6100e-003</b>	<b>0.0000</b>	<b>8.6100e-003</b>	<b>1.3000e-003</b>	<b>0.0000</b>	<b>1.3000e-003</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</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	0.0179	0.9342	0.2583	4.6600e-003	0.1575	0.0107	0.1682	0.0432	0.0102	0.0534		499.1900	499.1900	8.6800e-003	0.0787	522.8638
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0179</b>	<b>0.9342</b>	<b>0.2583</b>	<b>4.6600e-003</b>	<b>0.1575</b>	<b>0.0107</b>	<b>0.1682</b>	<b>0.0432</b>	<b>0.0102</b>	<b>0.0534</b>		<b>499.1900</b>	<b>499.1900</b>	<b>8.6800e-003</b>	<b>0.0787</b>	<b>522.8638</b>

**Mitigated Construction On-Site**



Eastside Neighborhood School - Riverside-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					
Fugitive Dust					3.6800e-003	0.0000	3.6800e-003	5.6000e-004	0.0000	5.6000e-004			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.6800e-003</b>	<b>0.0000</b>	<b>3.6800e-003</b>	<b>5.6000e-004</b>	<b>0.0000</b>	<b>5.6000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</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	0.0179	0.9342	0.2583	4.6600e-003	0.1468	0.0107	0.1575	0.0406	0.0102	0.0508		499.1900	499.1900	8.6800e-003	0.0787	522.8638
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0179</b>	<b>0.9342</b>	<b>0.2583</b>	<b>4.6600e-003</b>	<b>0.1468</b>	<b>0.0107</b>	<b>0.1575</b>	<b>0.0406</b>	<b>0.0102</b>	<b>0.0508</b>		<b>499.1900</b>	<b>499.1900</b>	<b>8.6800e-003</b>	<b>0.0787</b>	<b>522.8638</b>

**3.6 Rough Grading - 2026**

Eastside Neighborhood School - Riverside-South Coast County, Winter

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

**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					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.5227	15.3148	14.5402	0.0297		0.6236	0.6236		0.5737	0.5737		2,873.7052	2,873.7052	0.9294		2,896.9405
<b>Total</b>	<b>1.5227</b>	<b>15.3148</b>	<b>14.5402</b>	<b>0.0297</b>	<b>7.0826</b>	<b>0.6236</b>	<b>7.7062</b>	<b>3.4247</b>	<b>0.5737</b>	<b>3.9984</b>		<b>2,873.7052</b>	<b>2,873.7052</b>	<b>0.9294</b>		<b>2,896.9405</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	4.0000e-003	0.1361	0.0539	6.6000e-004	0.0256	1.1300e-003	0.0268	7.3800e-003	1.0800e-003	8.4600e-003		70.5536	70.5536	8.3000e-004	0.0104	73.6665
Worker	0.0423	0.0254	0.3639	1.2100e-003	0.1677	6.7000e-004	0.1683	0.0445	6.2000e-004	0.0451		122.4364	122.4364	2.5600e-003	2.9400e-003	123.3753
<b>Total</b>	<b>0.0463</b>	<b>0.1615</b>	<b>0.4178</b>	<b>1.8700e-003</b>	<b>0.1933</b>	<b>1.8000e-003</b>	<b>0.1951</b>	<b>0.0519</b>	<b>1.7000e-003</b>	<b>0.0535</b>		<b>192.9900</b>	<b>192.9900</b>	<b>3.3900e-003</b>	<b>0.0133</b>	<b>197.0418</b>

**Mitigated Construction On-Site**

Eastside Neighborhood School - Riverside-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					
Fugitive Dust					3.0278	0.0000	3.0278	1.4641	0.0000	1.4641			0.0000			0.0000
Off-Road	1.5227	15.3148	14.5402	0.0297		0.6236	0.6236		0.5737	0.5737	0.0000	2,873.7052	2,873.7052	0.9294		2,896.9405
<b>Total</b>	<b>1.5227</b>	<b>15.3148</b>	<b>14.5402</b>	<b>0.0297</b>	<b>3.0278</b>	<b>0.6236</b>	<b>3.6514</b>	<b>1.4641</b>	<b>0.5737</b>	<b>2.0378</b>	<b>0.0000</b>	<b>2,873.7052</b>	<b>2,873.7052</b>	<b>0.9294</b>		<b>2,896.9405</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	4.0000e-003	0.1361	0.0539	6.6000e-004	0.0240	1.1300e-003	0.0251	6.9700e-003	1.0800e-003	8.0500e-003		70.5536	70.5536	8.3000e-004	0.0104	73.6665
Worker	0.0423	0.0254	0.3639	1.2100e-003	0.1546	6.7000e-004	0.1552	0.0413	6.2000e-004	0.0419		122.4364	122.4364	2.5600e-003	2.9400e-003	123.3753
<b>Total</b>	<b>0.0463</b>	<b>0.1615</b>	<b>0.4178</b>	<b>1.8700e-003</b>	<b>0.1785</b>	<b>1.8000e-003</b>	<b>0.1803</b>	<b>0.0482</b>	<b>1.7000e-003</b>	<b>0.0499</b>		<b>192.9900</b>	<b>192.9900</b>	<b>3.3900e-003</b>	<b>0.0133</b>	<b>197.0418</b>

**3.7 Utility Trenching - 2026**

Eastside Neighborhood School - Riverside-South Coast County, Winter

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

**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	0.2643	2.6702	4.4593	6.2400e-003		0.1082	0.1082		0.0995	0.0995		604.1117	604.1117	0.1954		608.9963
<b>Total</b>	<b>0.2643</b>	<b>2.6702</b>	<b>4.4593</b>	<b>6.2400e-003</b>		<b>0.1082</b>	<b>0.1082</b>		<b>0.0995</b>	<b>0.0995</b>		<b>604.1117</b>	<b>604.1117</b>	<b>0.1954</b>		<b>608.9963</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	0.0141	8.4500e-003	0.1213	4.0000e-004	0.0559	2.2000e-004	0.0561	0.0148	2.1000e-004	0.0150		40.8122	40.8122	8.5000e-004	9.8000e-004	41.1251
<b>Total</b>	<b>0.0141</b>	<b>8.4500e-003</b>	<b>0.1213</b>	<b>4.0000e-004</b>	<b>0.0559</b>	<b>2.2000e-004</b>	<b>0.0561</b>	<b>0.0148</b>	<b>2.1000e-004</b>	<b>0.0150</b>		<b>40.8122</b>	<b>40.8122</b>	<b>8.5000e-004</b>	<b>9.8000e-004</b>	<b>41.1251</b>

**Mitigated Construction On-Site**

Eastside Neighborhood School - Riverside-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					
Off-Road	0.2643	2.6702	4.4593	6.2400e-003		0.1082	0.1082		0.0995	0.0995	0.0000	604.1117	604.1117	0.1954		608.9963
<b>Total</b>	<b>0.2643</b>	<b>2.6702</b>	<b>4.4593</b>	<b>6.2400e-003</b>		<b>0.1082</b>	<b>0.1082</b>		<b>0.0995</b>	<b>0.0995</b>	<b>0.0000</b>	<b>604.1117</b>	<b>604.1117</b>	<b>0.1954</b>		<b>608.9963</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	0.0141	8.4500e-003	0.1213	4.0000e-004	0.0515	2.2000e-004	0.0517	0.0138	2.1000e-004	0.0140		40.8122	40.8122	8.5000e-004	9.8000e-004	41.1251
<b>Total</b>	<b>0.0141</b>	<b>8.4500e-003</b>	<b>0.1213</b>	<b>4.0000e-004</b>	<b>0.0515</b>	<b>2.2000e-004</b>	<b>0.0517</b>	<b>0.0138</b>	<b>2.1000e-004</b>	<b>0.0140</b>		<b>40.8122</b>	<b>40.8122</b>	<b>8.5000e-004</b>	<b>9.8000e-004</b>	<b>41.1251</b>

Eastside Neighborhood School - Riverside-South Coast County, Winter

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

**3.8 Fine Grading - 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					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.5227	15.3148	14.5402	0.0297		0.6236	0.6236		0.5737	0.5737		2,873.7052	2,873.7052	0.9294		2,896.9405
<b>Total</b>	<b>1.5227</b>	<b>15.3148</b>	<b>14.5402</b>	<b>0.0297</b>	<b>7.0826</b>	<b>0.6236</b>	<b>7.7062</b>	<b>3.4247</b>	<b>0.5737</b>	<b>3.9984</b>		<b>2,873.7052</b>	<b>2,873.7052</b>	<b>0.9294</b>		<b>2,896.9405</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	4.0000e-003	0.1361	0.0539	6.6000e-004	0.0256	1.1300e-003	0.0268	7.3800e-003	1.0800e-003	8.4600e-003		70.5536	70.5536	8.3000e-004	0.0104	73.6665
Worker	0.0423	0.0254	0.3639	1.2100e-003	0.1677	6.7000e-004	0.1683	0.0445	6.2000e-004	0.0451		122.4364	122.4364	2.5600e-003	2.9400e-003	123.3753
<b>Total</b>	<b>0.0463</b>	<b>0.1615</b>	<b>0.4178</b>	<b>1.8700e-003</b>	<b>0.1933</b>	<b>1.8000e-003</b>	<b>0.1951</b>	<b>0.0519</b>	<b>1.7000e-003</b>	<b>0.0535</b>		<b>192.9900</b>	<b>192.9900</b>	<b>3.3900e-003</b>	<b>0.0133</b>	<b>197.0418</b>

**Mitigated Construction On-Site**

Eastside Neighborhood School - Riverside-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					
Fugitive Dust					3.0278	0.0000	3.0278	1.4641	0.0000	1.4641			0.0000			0.0000
Off-Road	1.5227	15.3148	14.5402	0.0297		0.6236	0.6236		0.5737	0.5737	0.0000	2,873.7052	2,873.7052	0.9294		2,896.9405
<b>Total</b>	<b>1.5227</b>	<b>15.3148</b>	<b>14.5402</b>	<b>0.0297</b>	<b>3.0278</b>	<b>0.6236</b>	<b>3.6514</b>	<b>1.4641</b>	<b>0.5737</b>	<b>2.0378</b>	<b>0.0000</b>	<b>2,873.7052</b>	<b>2,873.7052</b>	<b>0.9294</b>		<b>2,896.9405</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	4.0000e-003	0.1361	0.0539	6.6000e-004	0.0240	1.1300e-003	0.0251	6.9700e-003	1.0800e-003	8.0500e-003		70.5536	70.5536	8.3000e-004	0.0104	73.6665
Worker	0.0423	0.0254	0.3639	1.2100e-003	0.1546	6.7000e-004	0.1552	0.0413	6.2000e-004	0.0419		122.4364	122.4364	2.5600e-003	2.9400e-003	123.3753
<b>Total</b>	<b>0.0463</b>	<b>0.1615</b>	<b>0.4178</b>	<b>1.8700e-003</b>	<b>0.1785</b>	<b>1.8000e-003</b>	<b>0.1803</b>	<b>0.0482</b>	<b>1.7000e-003</b>	<b>0.0499</b>		<b>192.9900</b>	<b>192.9900</b>	<b>3.3900e-003</b>	<b>0.0133</b>	<b>197.0418</b>

**3.9 Building Construction - 2026**

Eastside Neighborhood School - Riverside-South Coast County, Winter

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

**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		2,556.4744	2,556.4744	0.6010		2,571.4981
<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>2,556.4744</b>	<b>2,556.4744</b>	<b>0.6010</b>		<b>2,571.4981</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	0.0660	2.2458	0.8892	0.0110	0.4227	0.0187	0.4414	0.1217	0.0178	0.1396		1,164.1336	1,164.1336	0.0136	0.1712	1,215.4975
Worker	0.4771	0.2856	4.1000	0.0137	1.8890	7.5700e-003	1.8966	0.5010	6.9700e-003	0.5079		1,379.4505	1,379.4505	0.0288	0.0331	1,390.0283
<b>Total</b>	<b>0.5430</b>	<b>2.5313</b>	<b>4.9892</b>	<b>0.0246</b>	<b>2.3117</b>	<b>0.0262</b>	<b>2.3379</b>	<b>0.6227</b>	<b>0.0248</b>	<b>0.6475</b>		<b>2,543.5841</b>	<b>2,543.5841</b>	<b>0.0425</b>	<b>0.2043</b>	<b>2,605.5257</b>



Eastside Neighborhood School - Riverside-South Coast County, Winter

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

**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	2,556.4744	2,556.4744	0.6010		2,571.4981
<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>2,556.4744</b>	<b>2,556.4744</b>	<b>0.6010</b>		<b>2,571.4981</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	0.0660	2.2458	0.8892	0.0110	0.3956	0.0187	0.4143	0.1151	0.0178	0.1329		1,164.1336	1,164.1336	0.0136	0.1712	1,215.4975
Worker	0.4771	0.2856	4.1000	0.0137	1.7412	7.5700e-003	1.7488	0.4647	6.9700e-003	0.4717		1,379.4505	1,379.4505	0.0288	0.0331	1,390.0283
<b>Total</b>	<b>0.5430</b>	<b>2.5313</b>	<b>4.9892</b>	<b>0.0246</b>	<b>2.1368</b>	<b>0.0262</b>	<b>2.1631</b>	<b>0.5798</b>	<b>0.0248</b>	<b>0.6046</b>		<b>2,543.5841</b>	<b>2,543.5841</b>	<b>0.0425</b>	<b>0.2043</b>	<b>2,605.5257</b>

Eastside Neighborhood School - Riverside-South Coast County, Winter

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

**3.9 Building Construction - 2027**

**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		2,556.4744	2,556.4744	0.6010		2,571.4981
<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>2,556.4744</b>	<b>2,556.4744</b>	<b>0.6010</b>		<b>2,571.4981</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	0.0652	2.2231	0.8824	0.0108	0.4227	0.0185	0.4412	0.1217	0.0177	0.1395		1,141.4551	1,141.4551	0.0140	0.1676	1,191.7506
Worker	0.4500	0.2602	3.8661	0.0133	1.8890	7.1000e-003	1.8961	0.5010	6.5400e-003	0.5075		1,339.8743	1,339.8743	0.0263	0.0313	1,349.8669
<b>Total</b>	<b>0.5152</b>	<b>2.4833</b>	<b>4.7485</b>	<b>0.0240</b>	<b>2.3117</b>	<b>0.0256</b>	<b>2.3374</b>	<b>0.6227</b>	<b>0.0243</b>	<b>0.6470</b>		<b>2,481.3294</b>	<b>2,481.3294</b>	<b>0.0404</b>	<b>0.1989</b>	<b>2,541.6175</b>

**Mitigated Construction On-Site**

Eastside Neighborhood School - Riverside-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					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
<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>2,556.4744</b>	<b>2,556.4744</b>	<b>0.6010</b>		<b>2,571.4981</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	0.0652	2.2231	0.8824	0.0108	0.3956	0.0185	0.4142	0.1151	0.0177	0.1328		1,141.4551	1,141.4551	0.0140	0.1676	1,191.7506
Worker	0.4500	0.2602	3.8661	0.0133	1.7412	7.1000e-003	1.7483	0.4647	6.5400e-003	0.4712		1,339.8743	1,339.8743	0.0263	0.0313	1,349.8669
<b>Total</b>	<b>0.5152</b>	<b>2.4833</b>	<b>4.7485</b>	<b>0.0240</b>	<b>2.1368</b>	<b>0.0256</b>	<b>2.1625</b>	<b>0.5798</b>	<b>0.0243</b>	<b>0.6040</b>		<b>2,481.3294</b>	<b>2,481.3294</b>	<b>0.0404</b>	<b>0.1989</b>	<b>2,541.6175</b>

Eastside Neighborhood School - Riverside-South Coast County, Winter

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

**3.9 Building Construction - 2028**

**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		2,556.4744	2,556.4744	0.6010		2,571.4981
<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>2,556.4744</b>	<b>2,556.4744</b>	<b>0.6010</b>		<b>2,571.4981</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	0.0647	2.2051	0.8777	0.0105	0.4227	0.0185	0.4412	0.1217	0.0177	0.1394		1,119.6774	1,119.6774	0.0145	0.1641	1,168.9405
Worker	0.4255	0.2389	3.6703	0.0129	1.8890	6.6200e-003	1.8956	0.5010	6.0900e-003	0.5071		1,304.8814	1,304.8814	0.0242	0.0299	1,314.3850
<b>Total</b>	<b>0.4902</b>	<b>2.4440</b>	<b>4.5480</b>	<b>0.0235</b>	<b>2.3117</b>	<b>0.0251</b>	<b>2.3368</b>	<b>0.6227</b>	<b>0.0238</b>	<b>0.6464</b>		<b>2,424.5588</b>	<b>2,424.5588</b>	<b>0.0387</b>	<b>0.1940</b>	<b>2,483.3255</b>

Eastside Neighborhood School - Riverside-South Coast County, Winter

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

**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	2,556.4744	2,556.4744	0.6010		2,571.4981
<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>2,556.4744</b>	<b>2,556.4744</b>	<b>0.6010</b>		<b>2,571.4981</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	0.0647	2.2051	0.8777	0.0105	0.3956	0.0185	0.4141	0.1151	0.0177	0.1327		1,119.6774	1,119.6774	0.0145	0.1641	1,168.9405
Worker	0.4255	0.2389	3.6703	0.0129	1.7412	6.6200e-003	1.7478	0.4647	6.0900e-003	0.4708		1,304.8814	1,304.8814	0.0242	0.0299	1,314.3850
<b>Total</b>	<b>0.4902</b>	<b>2.4440</b>	<b>4.5480</b>	<b>0.0235</b>	<b>2.1368</b>	<b>0.0251</b>	<b>2.1619</b>	<b>0.5798</b>	<b>0.0238</b>	<b>0.6035</b>		<b>2,424.5588</b>	<b>2,424.5588</b>	<b>0.0387</b>	<b>0.1940</b>	<b>2,483.3255</b>

Eastside Neighborhood School - Riverside-South Coast County, Winter

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

**3.10 Architectural Coating - 2028**

**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	11.4875					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>11.6584</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	0.0856	0.0481	0.7384	2.6000e-003	0.3800	1.3300e-003	0.3814	0.1008	1.2300e-003	0.1020		262.5205	262.5205	4.8600e-003	6.0100e-003	264.4325
<b>Total</b>	<b>0.0856</b>	<b>0.0481</b>	<b>0.7384</b>	<b>2.6000e-003</b>	<b>0.3800</b>	<b>1.3300e-003</b>	<b>0.3814</b>	<b>0.1008</b>	<b>1.2300e-003</b>	<b>0.1020</b>		<b>262.5205</b>	<b>262.5205</b>	<b>4.8600e-003</b>	<b>6.0100e-003</b>	<b>264.4325</b>

Eastside Neighborhood School - Riverside-South Coast County, Winter

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

**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	11.4875					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>11.6584</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	0.0856	0.0481	0.7384	2.6000e-003	0.3503	1.3300e-003	0.3516	0.0935	1.2300e-003	0.0947		262.5205	262.5205	4.8600e-003	6.0100e-003	264.4325
<b>Total</b>	<b>0.0856</b>	<b>0.0481</b>	<b>0.7384</b>	<b>2.6000e-003</b>	<b>0.3503</b>	<b>1.3300e-003</b>	<b>0.3516</b>	<b>0.0935</b>	<b>1.2300e-003</b>	<b>0.0947</b>		<b>262.5205</b>	<b>262.5205</b>	<b>4.8600e-003</b>	<b>6.0100e-003</b>	<b>264.4325</b>

Eastside Neighborhood School - Riverside-South Coast County, Winter

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

**3.11 Asphalt Paving - 2028**

**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	0.1093					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.0245</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	0.0378	0.0212	0.3258	1.1500e-003	0.1677	5.9000e-004	0.1683	0.0445	5.4000e-004	0.0450		115.8179	115.8179	2.1500e-003	2.6500e-003	116.6614
<b>Total</b>	<b>0.0378</b>	<b>0.0212</b>	<b>0.3258</b>	<b>1.1500e-003</b>	<b>0.1677</b>	<b>5.9000e-004</b>	<b>0.1683</b>	<b>0.0445</b>	<b>5.4000e-004</b>	<b>0.0450</b>		<b>115.8179</b>	<b>115.8179</b>	<b>2.1500e-003</b>	<b>2.6500e-003</b>	<b>116.6614</b>



Eastside Neighborhood School - Riverside-South Coast County, Winter

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

**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	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.1093					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.0245</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>2,206.7452</b>	<b>2,206.7452</b>	<b>0.7137</b>		<b>2,224.5878</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	0.0378	0.0212	0.3258	1.1500e-003	0.1546	5.9000e-004	0.1551	0.0413	5.4000e-004	0.0418		115.8179	115.8179	2.1500e-003	2.6500e-003	116.6614
<b>Total</b>	<b>0.0378</b>	<b>0.0212</b>	<b>0.3258</b>	<b>1.1500e-003</b>	<b>0.1546</b>	<b>5.9000e-004</b>	<b>0.1551</b>	<b>0.0413</b>	<b>5.4000e-004</b>	<b>0.0418</b>		<b>115.8179</b>	<b>115.8179</b>	<b>2.1500e-003</b>	<b>2.6500e-003</b>	<b>116.6614</b>

Eastside Neighborhood School - Riverside-South Coast County, Winter

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

**3.12 Finishing/Landscaping - 2028**

**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	0.2190	2.1536	3.3634	4.6500e-003		0.0979	0.0979		0.0901	0.0901		450.0867	450.0867	0.1456		453.7259
<b>Total</b>	<b>0.2190</b>	<b>2.1536</b>	<b>3.3634</b>	<b>4.6500e-003</b>		<b>0.0979</b>	<b>0.0979</b>		<b>0.0901</b>	<b>0.0901</b>		<b>450.0867</b>	<b>450.0867</b>	<b>0.1456</b>		<b>453.7259</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	0.0126	7.0700e-003	0.1086	3.8000e-004	0.0559	2.0000e-004	0.0561	0.0148	1.8000e-004	0.0150		38.6060	38.6060	7.2000e-004	8.8000e-004	38.8871
<b>Total</b>	<b>0.0126</b>	<b>7.0700e-003</b>	<b>0.1086</b>	<b>3.8000e-004</b>	<b>0.0559</b>	<b>2.0000e-004</b>	<b>0.0561</b>	<b>0.0148</b>	<b>1.8000e-004</b>	<b>0.0150</b>		<b>38.6060</b>	<b>38.6060</b>	<b>7.2000e-004</b>	<b>8.8000e-004</b>	<b>38.8871</b>

**Mitigated Construction On-Site**

Eastside Neighborhood School - Riverside-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					
Off-Road	0.2190	2.1536	3.3634	4.6500e-003		0.0979	0.0979		0.0901	0.0901	0.0000	450.0867	450.0867	0.1456		453.7259
<b>Total</b>	<b>0.2190</b>	<b>2.1536</b>	<b>3.3634</b>	<b>4.6500e-003</b>		<b>0.0979</b>	<b>0.0979</b>		<b>0.0901</b>	<b>0.0901</b>	<b>0.0000</b>	<b>450.0867</b>	<b>450.0867</b>	<b>0.1456</b>		<b>453.7259</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	0.0126	7.0700e-003	0.1086	3.8000e-004	0.0515	2.0000e-004	0.0517	0.0138	1.8000e-004	0.0139		38.6060	38.6060	7.2000e-004	8.8000e-004	38.8871
<b>Total</b>	<b>0.0126</b>	<b>7.0700e-003</b>	<b>0.1086</b>	<b>3.8000e-004</b>	<b>0.0515</b>	<b>2.0000e-004</b>	<b>0.0517</b>	<b>0.0138</b>	<b>1.8000e-004</b>	<b>0.0139</b>		<b>38.6060</b>	<b>38.6060</b>	<b>7.2000e-004</b>	<b>8.8000e-004</b>	<b>38.8871</b>

# **CalEEMod Existing Conditions (Year 2022) Model**

Eastside Neighborhood School, Existing Conditions - Riverside-South Coast County, Annual

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

**Eastside Neighborhood School, Existing Conditions  
Riverside-South Coast County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High School	50.85	1000sqft	1.17	50,847.00	0
Other Asphalt Surfaces	17.00	1000sqft	0.39	17,000.00	0
Other Non-Asphalt Surfaces	149.81	1000sqft	3.44	149,805.00	0
Parking Lot	72.45	1000sqft	1.66	72,448.00	0
Single Family Housing	11.00	Dwelling Unit	1.71	74,368.00	31
Automobile Care Center	11.02	1000sqft	0.25	11,019.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.4	<b>Precipitation Freq (Days)</b>	28
<b>Climate Zone</b>	10			<b>Operational Year</b>	2022
<b>Utility Company</b>	Riverside Public Utilities/City of Riverside				
<b>CO2 Intensity (lb/MWhr)</b>	789.98	<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 - See assumptions file, based on PD

Construction Phase -

Vehicle Trips - assume 100% primary trips, see assumptions file

Vehicle Emission Factors -

Eastside Neighborhood School, Existing Conditions - Riverside-South Coast County, Annual

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

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - See assumptions file

Energy Use -

Water And Wastewater - See assumptions file, assume 100% aerobic treatment

Water Mitigation -

Fleet Mix - adjusted fleet mix, see assumptions file

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	14355	4347
tblFleetMix	HHD	0.02	0.02
tblFleetMix	HHD	0.02	3.0190e-003
tblFleetMix	HHD	0.02	0.02
tblFleetMix	HHD	0.02	0.02
tblFleetMix	HHD	0.02	0.02
tblFleetMix	HHD	0.02	3.0190e-003
tblFleetMix	LDA	0.53	0.55
tblFleetMix	LDA	0.53	0.66
tblFleetMix	LDA	0.53	0.55
tblFleetMix	LDA	0.53	0.55
tblFleetMix	LDA	0.53	0.55
tblFleetMix	LDA	0.53	0.66
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT1	0.06	0.07
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT1	0.06	0.07

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

tblFleetMix	LDT2	0.17	0.18
tblFleetMix	LDT2	0.17	0.21
tblFleetMix	LDT2	0.17	0.18
tblFleetMix	LDT2	0.17	0.18
tblFleetMix	LDT2	0.17	0.18
tblFleetMix	LDT2	0.17	0.21
tblFleetMix	LHD1	0.03	0.02
tblFleetMix	LHD1	0.03	3.9280e-003
tblFleetMix	LHD1	0.03	0.02
tblFleetMix	LHD1	0.03	0.02
tblFleetMix	LHD1	0.03	0.02
tblFleetMix	LHD1	0.03	3.9280e-003
tblFleetMix	LHD2	7.4220e-003	6.7610e-003
tblFleetMix	LHD2	7.4220e-003	1.1200e-003
tblFleetMix	LHD2	7.4220e-003	6.7610e-003
tblFleetMix	LHD2	7.4220e-003	6.7610e-003
tblFleetMix	LHD2	7.4220e-003	6.7610e-003
tblFleetMix	LHD2	7.4220e-003	1.1200e-003
tblFleetMix	MCY	0.02	0.02
tblFleetMix	MCY	0.02	0.03
tblFleetMix	MCY	0.02	0.02
tblFleetMix	MCY	0.02	0.02
tblFleetMix	MCY	0.02	0.02
tblFleetMix	MCY	0.02	0.03
tblFleetMix	MDV	0.14	0.13
tblFleetMix	MDV	0.14	0.02
tblFleetMix	MDV	0.14	0.13

Eastside Neighborhood School, Existing Conditions - Riverside-South Coast County, Annual

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

tblFleetMix	MDV	0.14	0.13
tblFleetMix	MDV	0.14	0.13
tblFleetMix	MDV	0.14	0.02
tblFleetMix	MH	5.7590e-003	4.2550e-003
tblFleetMix	MH	5.7590e-003	0.00
tblFleetMix	MH	5.7590e-003	4.2550e-003
tblFleetMix	MH	5.7590e-003	4.2550e-003
tblFleetMix	MH	5.7590e-003	4.2550e-003
tblFleetMix	MH	5.7590e-003	0.00
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	1.9330e-003
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	1.9330e-003
tblFleetMix	OBUS	6.3000e-004	6.0500e-004
tblFleetMix	OBUS	6.3000e-004	0.00
tblFleetMix	OBUS	6.3000e-004	6.0500e-004
tblFleetMix	OBUS	6.3000e-004	6.0500e-004
tblFleetMix	OBUS	6.3000e-004	6.0500e-004
tblFleetMix	OBUS	6.3000e-004	0.00
tblFleetMix	SBUS	1.1020e-003	1.0860e-003
tblFleetMix	SBUS	1.1020e-003	0.00
tblFleetMix	SBUS	1.1020e-003	1.0860e-003
tblFleetMix	SBUS	1.1020e-003	1.0860e-003
tblFleetMix	SBUS	1.1020e-003	1.0860e-003
tblFleetMix	SBUS	1.1020e-003	0.00



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

tblFleetMix	UBUS	3.2100e-004	2.8800e-004
tblFleetMix	UBUS	3.2100e-004	0.00
tblFleetMix	UBUS	3.2100e-004	2.8800e-004
tblFleetMix	UBUS	3.2100e-004	2.8800e-004
tblFleetMix	UBUS	3.2100e-004	2.8800e-004
tblFleetMix	UBUS	3.2100e-004	0.00
tblLandUse	LandUseSquareFeet	50,850.00	50,847.00
tblLandUse	LandUseSquareFeet	149,810.00	149,805.00
tblLandUse	LandUseSquareFeet	72,450.00	72,448.00
tblLandUse	LandUseSquareFeet	19,800.00	74,368.00
tblLandUse	LandUseSquareFeet	11,020.00	11,019.00
tblLandUse	LotAcreage	3.57	1.71
tblVehicleTrips	DV_TP	51.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	PB_TP	28.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	21.00	100.00
tblVehicleTrips	PR_TP	75.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	23.72	21.78
tblVehicleTrips	ST_TR	3.98	0.00
tblVehicleTrips	ST_TR	9.54	9.09
tblVehicleTrips	SU_TR	11.88	21.78
tblVehicleTrips	SU_TR	1.71	0.00
tblVehicleTrips	SU_TR	8.55	9.09

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

tblVehicleTrips	WD_TR	23.72	21.78
tblVehicleTrips	WD_TR	14.07	7.47
tblVehicleTrips	WD_TR	9.44	9.09
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	OutdoorWaterUseRate	635,442.01	0.00
tblWater	OutdoorWaterUseRate	4,341,743.86	2,242,334.00
tblWater	OutdoorWaterUseRate	451,829.00	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

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

**2.0 Emissions Summary**

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.6005	4.2000e-003	0.1873	1.8000e-004		0.0111	0.0111		0.0111	0.0111	1.1684	2.4381	3.6065	3.6800e-003	8.0000e-005	3.7222
Energy	6.9000e-003	0.0615	0.0439	3.8000e-004		4.7700e-003	4.7700e-003		4.7700e-003	4.7700e-003	0.0000	343.8617	343.8617	0.0128	2.6500e-003	344.9710
Mobile	0.3956	0.4953	4.4913	9.3000e-003	1.0429	7.0400e-003	1.0499	0.2773	6.5700e-003	0.2839	0.0000	855.4591	855.4591	0.0475	0.0350	867.0821
Waste						0.0000	0.0000		0.0000	0.0000	24.5457	0.0000	24.5457	1.4506	0.0000	60.8109
Water						0.0000	0.0000		0.0000	0.0000	1.2178	24.9861	26.2039	5.2400e-003	2.7700e-003	27.1617
<b>Total</b>	<b>1.0031</b>	<b>0.5610</b>	<b>4.7226</b>	<b>9.8600e-003</b>	<b>1.0429</b>	<b>0.0230</b>	<b>1.0659</b>	<b>0.2773</b>	<b>0.0225</b>	<b>0.2998</b>	<b>26.9318</b>	<b>1,226.7450</b>	<b>1,253.6769</b>	<b>1.5198</b>	<b>0.0405</b>	<b>1,303.7478</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	tons/yr										MT/yr					
Area	0.6005	4.2000e-003	0.1873	1.8000e-004		0.0111	0.0111		0.0111	0.0111	1.1684	2.4381	3.6065	3.6800e-003	8.0000e-005	3.7222
Energy	6.9000e-003	0.0615	0.0439	3.8000e-004		4.7700e-003	4.7700e-003		4.7700e-003	4.7700e-003	0.0000	343.8617	343.8617	0.0128	2.6500e-003	344.9710
Mobile	0.3956	0.4953	4.4913	9.3000e-003	1.0429	7.0400e-003	1.0499	0.2773	6.5700e-003	0.2839	0.0000	855.4591	855.4591	0.0475	0.0350	867.0821
Waste						0.0000	0.0000		0.0000	0.0000	24.5457	0.0000	24.5457	1.4506	0.0000	60.8109
Water						0.0000	0.0000		0.0000	0.0000	0.9742	21.7743	22.7485	4.2600e-003	2.2300e-003	23.5192
<b>Total</b>	<b>1.0031</b>	<b>0.5610</b>	<b>4.7226</b>	<b>9.8600e-003</b>	<b>1.0429</b>	<b>0.0230</b>	<b>1.0659</b>	<b>0.2773</b>	<b>0.0225</b>	<b>0.2998</b>	<b>26.6883</b>	<b>1,223.5332</b>	<b>1,250.2214</b>	<b>1.5188</b>	<b>0.0400</b>	<b>1,300.1053</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	0.00	0.00	0.00	0.00	0.00	0.00	0.90	0.26	0.28	0.06	1.33	0.28

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.3956	0.4953	4.4913	9.3000e-003	1.0429	7.0400e-003	1.0499	0.2773	6.5700e-003	0.2839	0.0000	855.4591	855.4591	0.0475	0.0350	867.0821
Unmitigated	0.3956	0.4953	4.4913	9.3000e-003	1.0429	7.0400e-003	1.0499	0.2773	6.5700e-003	0.2839	0.0000	855.4591	855.4591	0.0475	0.0350	867.0821

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	240.02	240.02	240.02	945,384	945,384
High School	379.85	0.00	0.00	1,452,239	1,452,239
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Single Family Housing	99.99	99.99	99.99	384,870	384,870
<b>Total</b>	<b>719.86</b>	<b>340.01</b>	<b>340.01</b>	<b>2,782,493</b>	<b>2,782,493</b>

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

**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
Automobile Care Center	16.60	8.40	6.90	33.00	48.00	19.00	100	0	0
High School	16.60	8.40	6.90	77.80	17.20	5.00	100	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	100	0	0

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.546740	0.057179	0.175858	0.130671	0.023703	0.006761	0.011662	0.018217	0.000605	0.000288	0.022975	0.001086	0.004255
High School	0.658702	0.068888	0.211870	0.020000	0.003928	0.001120	0.001933	0.003019	0.000000	0.000000	0.030539	0.000000	0.000000
Other Asphalt Surfaces	0.546740	0.057179	0.175858	0.130671	0.023703	0.006761	0.011662	0.018217	0.000605	0.000288	0.022975	0.001086	0.004255
Other Non-Asphalt Surfaces	0.546740	0.057179	0.175858	0.130671	0.023703	0.006761	0.011662	0.018217	0.000605	0.000288	0.022975	0.001086	0.004255
Parking Lot	0.546740	0.057179	0.175858	0.130671	0.023703	0.006761	0.011662	0.018217	0.000605	0.000288	0.022975	0.001086	0.004255
Single Family Housing	0.658702	0.068888	0.211870	0.020000	0.003928	0.001120	0.001933	0.003019	0.000000	0.000000	0.030539	0.000000	0.000000

**5.0 Energy Detail**

Historical Energy Use: Y

**5.1 Mitigation Measures Energy**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	275.5986	275.5986	0.0115	1.4000e-003	276.3022
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	275.5986	275.5986	0.0115	1.4000e-003	276.3022
NaturalGas Mitigated	6.9000e-003	0.0615	0.0439	3.8000e-004		4.7700e-003	4.7700e-003		4.7700e-003	4.7700e-003	0.0000	68.2631	68.2631	1.3100e-003	1.2500e-003	68.6688
NaturalGas Unmitigated	6.9000e-003	0.0615	0.0439	3.8000e-004		4.7700e-003	4.7700e-003		4.7700e-003	4.7700e-003	0.0000	68.2631	68.2631	1.3100e-003	1.2500e-003	68.6688

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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					
Automobile Care Center	373434	2.0100e-003	0.0183	0.0154	1.1000e-004		1.3900e-003	1.3900e-003		1.3900e-003	1.3900e-003	0.0000	19.9279	19.9279	3.8000e-004	3.7000e-004	20.0463
High School	500334	2.7000e-003	0.0245	0.0206	1.5000e-004		1.8600e-003	1.8600e-003		1.8600e-003	1.8600e-003	0.0000	26.6998	26.6998	5.1000e-004	4.9000e-004	26.8584
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	405434	2.1900e-003	0.0187	7.9500e-003	1.2000e-004		1.5100e-003	1.5100e-003		1.5100e-003	1.5100e-003	0.0000	21.6355	21.6355	4.1000e-004	4.0000e-004	21.7641
<b>Total</b>		<b>6.9000e-003</b>	<b>0.0615</b>	<b>0.0439</b>	<b>3.8000e-004</b>		<b>4.7600e-003</b>	<b>4.7600e-003</b>		<b>4.7600e-003</b>	<b>4.7600e-003</b>	<b>0.0000</b>	<b>68.2631</b>	<b>68.2631</b>	<b>1.3000e-003</b>	<b>1.2600e-003</b>	<b>68.6688</b>

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

**Mitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Automobile Care Center	373434	2.0100e-003	0.0183	0.0154	1.1000e-004		1.3900e-003	1.3900e-003		1.3900e-003	1.3900e-003	0.0000	19.9279	19.9279	3.8000e-004	3.7000e-004	20.0463
High School	500334	2.7000e-003	0.0245	0.0206	1.5000e-004		1.8600e-003	1.8600e-003		1.8600e-003	1.8600e-003	0.0000	26.6998	26.6998	5.1000e-004	4.9000e-004	26.8584
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	405434	2.1900e-003	0.0187	7.9500e-003	1.2000e-004		1.5100e-003	1.5100e-003		1.5100e-003	1.5100e-003	0.0000	21.6355	21.6355	4.1000e-004	4.0000e-004	21.7641
<b>Total</b>		<b>6.9000e-003</b>	<b>0.0615</b>	<b>0.0439</b>	<b>3.8000e-004</b>		<b>4.7600e-003</b>	<b>4.7600e-003</b>		<b>4.7600e-003</b>	<b>4.7600e-003</b>	<b>0.0000</b>	<b>68.2631</b>	<b>68.2631</b>	<b>1.3000e-003</b>	<b>1.2600e-003</b>	<b>68.6688</b>

Eastside Neighborhood School, Existing Conditions - Riverside-South Coast County, Annual

**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			
Automobile Care Center	127049	45.5254	1.9000e-003	2.3000e-004	45.6416
High School	490674	175.8225	7.3400e-003	8.9000e-004	176.2714
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	63754.2	22.8450	9.5000e-004	1.2000e-004	22.9033
Single Family Housing	87644.9	31.4057	1.3100e-003	1.6000e-004	31.4859
<b>Total</b>		<b>275.5986</b>	<b>0.0115</b>	<b>1.4000e-003</b>	<b>276.3022</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Automobile Care Center	127049	45.5254	1.9000e-003	2.3000e-004	45.6416
High School	490674	175.8225	7.3400e-003	8.9000e-004	176.2714
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	63754.2	22.8450	9.5000e-004	1.2000e-004	22.9033
Single Family Housing	87644.9	31.4057	1.3100e-003	1.6000e-004	31.4859
<b>Total</b>		<b>275.5986</b>	<b>0.0115</b>	<b>1.4000e-003</b>	<b>276.3022</b>



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

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.6005	4.2000e-003	0.1873	1.8000e-004		0.0111	0.0111		0.0111	0.0111	1.1684	2.4381	3.6065	3.6800e-003	8.0000e-005	3.7222
Unmitigated	0.6005	4.2000e-003	0.1873	1.8000e-004		0.0111	0.0111		0.0111	0.0111	1.1684	2.4381	3.6065	3.6800e-003	8.0000e-005	3.7222

**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	0.0530					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5078					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0360	2.8500e-003	0.0699	1.8000e-004		0.0105	0.0105		0.0105	0.0105	1.1684	2.2453	3.4137	3.4800e-003	8.0000e-005	3.5244
Landscaping	3.7900e-003	1.3400e-003	0.1174	1.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	0.1928	0.1928	2.0000e-004	0.0000	0.1977
<b>Total</b>	<b>0.6005</b>	<b>4.1900e-003</b>	<b>0.1873</b>	<b>1.9000e-004</b>		<b>0.0111</b>	<b>0.0111</b>		<b>0.0111</b>	<b>0.0111</b>	<b>1.1684</b>	<b>2.4381</b>	<b>3.6065</b>	<b>3.6800e-003</b>	<b>8.0000e-005</b>	<b>3.7222</b>

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

**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	0.0530					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5078					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0360	2.8500e-003	0.0699	1.8000e-004		0.0105	0.0105		0.0105	0.0105	1.1684	2.2453	3.4137	3.4800e-003	8.0000e-005	3.5244
Landscaping	3.7900e-003	1.3400e-003	0.1174	1.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	0.1928	0.1928	2.0000e-004	0.0000	0.1977
<b>Total</b>	<b>0.6005</b>	<b>4.1900e-003</b>	<b>0.1873</b>	<b>1.9000e-004</b>		<b>0.0111</b>	<b>0.0111</b>		<b>0.0111</b>	<b>0.0111</b>	<b>1.1684</b>	<b>2.4381</b>	<b>3.6065</b>	<b>3.6800e-003</b>	<b>8.0000e-005</b>	<b>3.7222</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower

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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	22.7485	4.2600e-003	2.2300e-003	23.5192
Unmitigated	26.2039	5.2400e-003	2.7700e-003	27.1617

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Automobile Care Center	1.03677 / 0	5.2042	1.4600e-003	8.2000e-004	5.4858
High School	1.68846 / 2.24233	17.4022	2.7600e-003	1.3800e-003	17.8836
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0.716694 / 0	3.5975	1.0100e-003	5.7000e-004	3.7922
<b>Total</b>		<b>26.2039</b>	<b>5.2300e-003</b>	<b>2.7700e-003</b>	<b>27.1617</b>

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

**Mitigated**

Indoor/Outdoor Use		Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Automobile Care Center	0.829419 / 0	4.1634	1.1700e-003	6.6000e-004	4.3887
High School	1.35076 / 2.24233	15.7071	2.2800e-003	1.1200e-003	16.0968
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0.573355 / 0	2.8780	8.1000e-004	4.5000e-004	3.0338
<b>Total</b>		<b>22.7485</b>	<b>4.2600e-003</b>	<b>2.2300e-003</b>	<b>23.5192</b>

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

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	24.5457	1.4506	0.0000	60.8109
Unmitigated	24.5457	1.4506	0.0000	60.8109

**8.2 Waste by Land Use**

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	42.1	8.5459	0.5051	0.0000	21.1722
High School	66.11	13.4197	0.7931	0.0000	33.2468
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	12.71	2.5800	0.1525	0.0000	6.3919
<b>Total</b>		<b>24.5457</b>	<b>1.4506</b>	<b>0.0000</b>	<b>60.8109</b>

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

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	42.1	8.5459	0.5051	0.0000	21.1722
High School	66.11	13.4197	0.7931	0.0000	33.2468
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	12.71	2.5800	0.1525	0.0000	6.3919
<b>Total</b>		<b>24.5457</b>	<b>1.4506</b>	<b>0.0000</b>	<b>60.8109</b>

Eastside Neighborhood School, Existing Conditions - Riverside-South Coast County, Summer

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

**Eastside Neighborhood School, Existing Conditions  
Riverside-South Coast County, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High School	50.85	1000sqft	1.17	50,847.00	0
Other Asphalt Surfaces	17.00	1000sqft	0.39	17,000.00	0
Other Non-Asphalt Surfaces	149.81	1000sqft	3.44	149,805.00	0
Parking Lot	72.45	1000sqft	1.66	72,448.00	0
Single Family Housing	11.00	Dwelling Unit	1.71	74,368.00	31
Automobile Care Center	11.02	1000sqft	0.25	11,019.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.4	<b>Precipitation Freq (Days)</b>	28
<b>Climate Zone</b>	10			<b>Operational Year</b>	2022
<b>Utility Company</b>	Riverside Public Utilities/City of Riverside				
<b>CO2 Intensity (lb/MWhr)</b>	789.98	<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 - See assumptions file, based on PD

Construction Phase -

Vehicle Trips - assume 100% primary trips, see assumptions file

Vehicle Emission Factors -

Eastside Neighborhood School, Existing Conditions - Riverside-South Coast County, Summer

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

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - See assumptions file

Energy Use -

Water And Wastewater - See assumptions file, assume 100% aerobic treatment

Water Mitigation -

Fleet Mix - adjusted fleet mix, see assumptions file

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	14355	4347
tblFleetMix	HHD	0.02	0.02
tblFleetMix	HHD	0.02	3.0190e-003
tblFleetMix	HHD	0.02	0.02
tblFleetMix	HHD	0.02	0.02
tblFleetMix	HHD	0.02	0.02
tblFleetMix	HHD	0.02	3.0190e-003
tblFleetMix	LDA	0.53	0.55
tblFleetMix	LDA	0.53	0.66
tblFleetMix	LDA	0.53	0.55
tblFleetMix	LDA	0.53	0.55
tblFleetMix	LDA	0.53	0.55
tblFleetMix	LDA	0.53	0.66
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT1	0.06	0.07
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT1	0.06	0.07



Eastside Neighborhood School, Existing Conditions - Riverside-South Coast County, Summer

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

tbIFleetMix	LDT2	0.17	0.18
tbIFleetMix	LDT2	0.17	0.21
tbIFleetMix	LDT2	0.17	0.18
tbIFleetMix	LDT2	0.17	0.18
tbIFleetMix	LDT2	0.17	0.18
tbIFleetMix	LDT2	0.17	0.21
tbIFleetMix	LHD1	0.03	0.02
tbIFleetMix	LHD1	0.03	3.9280e-003
tbIFleetMix	LHD1	0.03	0.02
tbIFleetMix	LHD1	0.03	0.02
tbIFleetMix	LHD1	0.03	0.02
tbIFleetMix	LHD1	0.03	3.9280e-003
tbIFleetMix	LHD2	7.4220e-003	6.7610e-003
tbIFleetMix	LHD2	7.4220e-003	1.1200e-003
tbIFleetMix	LHD2	7.4220e-003	6.7610e-003
tbIFleetMix	LHD2	7.4220e-003	6.7610e-003
tbIFleetMix	LHD2	7.4220e-003	6.7610e-003
tbIFleetMix	LHD2	7.4220e-003	1.1200e-003
tbIFleetMix	MCY	0.02	0.02
tbIFleetMix	MCY	0.02	0.03
tbIFleetMix	MCY	0.02	0.02
tbIFleetMix	MCY	0.02	0.02
tbIFleetMix	MCY	0.02	0.02
tbIFleetMix	MCY	0.02	0.03
tbIFleetMix	MDV	0.14	0.13
tbIFleetMix	MDV	0.14	0.02
tbIFleetMix	MDV	0.14	0.13

Eastside Neighborhood School, Existing Conditions - Riverside-South Coast County, Summer

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

tbIFleetMix	MDV	0.14	0.13
tbIFleetMix	MDV	0.14	0.13
tbIFleetMix	MDV	0.14	0.02
tbIFleetMix	MH	5.7590e-003	4.2550e-003
tbIFleetMix	MH	5.7590e-003	0.00
tbIFleetMix	MH	5.7590e-003	4.2550e-003
tbIFleetMix	MH	5.7590e-003	4.2550e-003
tbIFleetMix	MH	5.7590e-003	4.2550e-003
tbIFleetMix	MH	5.7590e-003	0.00
tbIFleetMix	MHD	0.01	0.01
tbIFleetMix	MHD	0.01	1.9330e-003
tbIFleetMix	MHD	0.01	0.01
tbIFleetMix	MHD	0.01	0.01
tbIFleetMix	MHD	0.01	0.01
tbIFleetMix	MHD	0.01	1.9330e-003
tbIFleetMix	OBUS	6.3000e-004	6.0500e-004
tbIFleetMix	OBUS	6.3000e-004	0.00
tbIFleetMix	OBUS	6.3000e-004	6.0500e-004
tbIFleetMix	OBUS	6.3000e-004	6.0500e-004
tbIFleetMix	OBUS	6.3000e-004	6.0500e-004
tbIFleetMix	OBUS	6.3000e-004	0.00
tbIFleetMix	SBUS	1.1020e-003	1.0860e-003
tbIFleetMix	SBUS	1.1020e-003	0.00
tbIFleetMix	SBUS	1.1020e-003	1.0860e-003
tbIFleetMix	SBUS	1.1020e-003	1.0860e-003
tbIFleetMix	SBUS	1.1020e-003	1.0860e-003
tbIFleetMix	SBUS	1.1020e-003	0.00

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

tblFleetMix	UBUS	3.2100e-004	2.8800e-004
tblFleetMix	UBUS	3.2100e-004	0.00
tblFleetMix	UBUS	3.2100e-004	2.8800e-004
tblFleetMix	UBUS	3.2100e-004	2.8800e-004
tblFleetMix	UBUS	3.2100e-004	2.8800e-004
tblFleetMix	UBUS	3.2100e-004	0.00
tblLandUse	LandUseSquareFeet	50,850.00	50,847.00
tblLandUse	LandUseSquareFeet	149,810.00	149,805.00
tblLandUse	LandUseSquareFeet	72,450.00	72,448.00
tblLandUse	LandUseSquareFeet	19,800.00	74,368.00
tblLandUse	LandUseSquareFeet	11,020.00	11,019.00
tblLandUse	LotAcreage	3.57	1.71
tblVehicleTrips	DV_TP	51.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	PB_TP	28.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	21.00	100.00
tblVehicleTrips	PR_TP	75.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	23.72	21.78
tblVehicleTrips	ST_TR	3.98	0.00
tblVehicleTrips	ST_TR	9.54	9.09
tblVehicleTrips	SU_TR	11.88	21.78
tblVehicleTrips	SU_TR	1.71	0.00
tblVehicleTrips	SU_TR	8.55	9.09

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

tblVehicleTrips	WD_TR	23.72	21.78
tblVehicleTrips	WD_TR	14.07	7.47
tblVehicleTrips	WD_TR	9.44	9.09
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	OutdoorWaterUseRate	635,442.01	0.00
tblWater	OutdoorWaterUseRate	4,341,743.86	2,242,334.00
tblWater	OutdoorWaterUseRate	451,829.00	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

Eastside Neighborhood School, Existing Conditions - Riverside-South Coast County, Summer

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

**2.0 Emissions Summary**

**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	5.9850	0.2390	6.5334	0.0143		0.8454	0.8454		0.8454	0.8454	103.0361	199.7000	302.7361	0.3090	6.9900e-003	312.5457
Energy	0.0378	0.3371	0.2407	2.0600e-003		0.0261	0.0261		0.0261	0.0261		412.3135	412.3135	7.9000e-003	7.5600e-003	414.7637
Mobile	2.9606	2.9181	33.0795	0.0655	7.0384	0.0451	7.0835	1.8683	0.0420	1.9104		6,641.0778	6,641.0778	0.3421	0.2384	6,720.6811
<b>Total</b>	<b>8.9834</b>	<b>3.4942</b>	<b>39.8536</b>	<b>0.0819</b>	<b>7.0384</b>	<b>0.9166</b>	<b>7.9550</b>	<b>1.8683</b>	<b>0.9135</b>	<b>2.7819</b>	<b>103.0361</b>	<b>7,253.0913</b>	<b>7,356.1274</b>	<b>0.6591</b>	<b>0.2530</b>	<b>7,447.9905</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	5.9850	0.2390	6.5334	0.0143		0.8454	0.8454		0.8454	0.8454	103.0361	199.7000	302.7361	0.3090	6.9900e-003	312.5457
Energy	0.0378	0.3371	0.2407	2.0600e-003		0.0261	0.0261		0.0261	0.0261		412.3135	412.3135	7.9000e-003	7.5600e-003	414.7637
Mobile	2.9606	2.9181	33.0795	0.0655	7.0384	0.0451	7.0835	1.8683	0.0420	1.9104		6,641.0778	6,641.0778	0.3421	0.2384	6,720.6811
<b>Total</b>	<b>8.9834</b>	<b>3.4942</b>	<b>39.8536</b>	<b>0.0819</b>	<b>7.0384</b>	<b>0.9166</b>	<b>7.9550</b>	<b>1.8683</b>	<b>0.9135</b>	<b>2.7819</b>	<b>103.0361</b>	<b>7,253.0913</b>	<b>7,356.1274</b>	<b>0.6591</b>	<b>0.2530</b>	<b>7,447.9905</b>

Eastside Neighborhood School, Existing Conditions - Riverside-South Coast County, Summer

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

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

**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	2.9606	2.9181	33.0795	0.0655	7.0384	0.0451	7.0835	1.8683	0.0420	1.9104		6,641.0778	6,641.0778	0.3421	0.2384	6,720.6811
Unmitigated	2.9606	2.9181	33.0795	0.0655	7.0384	0.0451	7.0835	1.8683	0.0420	1.9104		6,641.0778	6,641.0778	0.3421	0.2384	6,720.6811

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	240.02	240.02	240.02	945,384	945,384
High School	379.85	0.00	0.00	1,452,239	1,452,239
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Single Family Housing	99.99	99.99	99.99	384,870	384,870
<b>Total</b>	<b>719.86</b>	<b>340.01</b>	<b>340.01</b>	<b>2,782,493</b>	<b>2,782,493</b>

Eastside Neighborhood School, Existing Conditions - Riverside-South Coast County, Summer

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

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
Automobile Care Center	16.60	8.40	6.90	33.00	48.00	19.00	100	0	0
High School	16.60	8.40	6.90	77.80	17.20	5.00	100	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.546740	0.057179	0.175858	0.130671	0.023703	0.006761	0.011662	0.018217	0.000605	0.000288	0.022975	0.001086	0.004255
High School	0.658702	0.068888	0.211870	0.020000	0.003928	0.001120	0.001933	0.003019	0.000000	0.000000	0.030539	0.000000	0.000000
Other Asphalt Surfaces	0.546740	0.057179	0.175858	0.130671	0.023703	0.006761	0.011662	0.018217	0.000605	0.000288	0.022975	0.001086	0.004255
Other Non-Asphalt Surfaces	0.546740	0.057179	0.175858	0.130671	0.023703	0.006761	0.011662	0.018217	0.000605	0.000288	0.022975	0.001086	0.004255
Parking Lot	0.546740	0.057179	0.175858	0.130671	0.023703	0.006761	0.011662	0.018217	0.000605	0.000288	0.022975	0.001086	0.004255
Single Family Housing	0.658702	0.068888	0.211870	0.020000	0.003928	0.001120	0.001933	0.003019	0.000000	0.000000	0.030539	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
NaturalGas Mitigated	0.0378	0.3371	0.2407	2.0600e-003		0.0261	0.0261		0.0261	0.0261			412.3135	412.3135	7.9000e-003	7.5600e-003	414.7637
NaturalGas Unmitigated	0.0378	0.3371	0.2407	2.0600e-003		0.0261	0.0261		0.0261	0.0261			412.3135	412.3135	7.9000e-003	7.5600e-003	414.7637

Eastside Neighborhood School, Existing Conditions - Riverside-South Coast County, Summer

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

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Automobile Care Center	1023.11	0.0110	0.1003	0.0843	6.0000e-004		7.6200e-003	7.6200e-003		7.6200e-003	7.6200e-003		120.3655	120.3655	2.3100e-003	2.2100e-003	121.0808
High School	1370.78	0.0148	0.1344	0.1129	8.1000e-004		0.0102	0.0102		0.0102	0.0102		161.2682	161.2682	3.0900e-003	2.9600e-003	162.2265
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1110.78	0.0120	0.1024	0.0436	6.5000e-004		8.2800e-003	8.2800e-003		8.2800e-003	8.2800e-003		130.6799	130.6799	2.5000e-003	2.4000e-003	131.4565
<b>Total</b>		<b>0.0378</b>	<b>0.3371</b>	<b>0.2407</b>	<b>2.0600e-003</b>		<b>0.0261</b>	<b>0.0261</b>		<b>0.0261</b>	<b>0.0261</b>		<b>412.3135</b>	<b>412.3135</b>	<b>7.9000e-003</b>	<b>7.5700e-003</b>	<b>414.7637</b>



Eastside Neighborhood School, Existing Conditions - Riverside-South Coast County, Summer

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

**Mitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Automobile Care Center	1.02311	0.0110	0.1003	0.0843	6.0000e-004		7.6200e-003	7.6200e-003		7.6200e-003	7.6200e-003		120.3655	120.3655	2.3100e-003	2.2100e-003	121.0808
High School	1.37078	0.0148	0.1344	0.1129	8.1000e-004		0.0102	0.0102		0.0102	0.0102		161.2682	161.2682	3.0900e-003	2.9600e-003	162.2265
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.11078	0.0120	0.1024	0.0436	6.5000e-004		8.2800e-003	8.2800e-003		8.2800e-003	8.2800e-003		130.6799	130.6799	2.5000e-003	2.4000e-003	131.4565
<b>Total</b>		<b>0.0378</b>	<b>0.3371</b>	<b>0.2407</b>	<b>2.0600e-003</b>		<b>0.0261</b>	<b>0.0261</b>		<b>0.0261</b>	<b>0.0261</b>		<b>412.3135</b>	<b>412.3135</b>	<b>7.9000e-003</b>	<b>7.5700e-003</b>	<b>414.7637</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.9850	0.2390	6.5334	0.0143		0.8454	0.8454		0.8454	0.8454	103.0361	199.7000	302.7361	0.3090	6.9900e-003	312.5457
Unmitigated	5.9850	0.2390	6.5334	0.0143		0.8454	0.8454		0.8454	0.8454	103.0361	199.7000	302.7361	0.3090	6.9900e-003	312.5457

Eastside Neighborhood School, Existing Conditions - Riverside-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**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2901					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.7822					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	2.8824	0.2282	5.5941	0.0143		0.8403	0.8403		0.8403	0.8403	103.0361	198.0000	301.0361	0.3073	6.9900e-003	310.8020
Landscaping	0.0303	0.0108	0.9393	5.0000e-005		5.1300e-003	5.1300e-003		5.1300e-003	5.1300e-003		1.7000	1.7000	1.7500e-003		1.7437
<b>Total</b>	<b>5.9850</b>	<b>0.2390</b>	<b>6.5334</b>	<b>0.0143</b>		<b>0.8454</b>	<b>0.8454</b>		<b>0.8454</b>	<b>0.8454</b>	<b>103.0361</b>	<b>199.7000</b>	<b>302.7361</b>	<b>0.3090</b>	<b>6.9900e-003</b>	<b>312.5457</b>

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2901					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.7822					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	2.8824	0.2282	5.5941	0.0143		0.8403	0.8403		0.8403	0.8403	103.0361	198.0000	301.0361	0.3073	6.9900e-003	310.8020
Landscaping	0.0303	0.0108	0.9393	5.0000e-005		5.1300e-003	5.1300e-003		5.1300e-003	5.1300e-003		1.7000	1.7000	1.7500e-003		1.7437
<b>Total</b>	<b>5.9850</b>	<b>0.2390</b>	<b>6.5334</b>	<b>0.0143</b>		<b>0.8454</b>	<b>0.8454</b>		<b>0.8454</b>	<b>0.8454</b>	<b>103.0361</b>	<b>199.7000</b>	<b>302.7361</b>	<b>0.3090</b>	<b>6.9900e-003</b>	<b>312.5457</b>

Eastside Neighborhood School, Existing Conditions - Riverside-South Coast County, Summer

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

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

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Eastside Neighborhood School, Existing Conditions - Riverside-South Coast County, Winter

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

**Eastside Neighborhood School, Existing Conditions  
Riverside-South Coast County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High School	50.85	1000sqft	1.17	50,847.00	0
Other Asphalt Surfaces	17.00	1000sqft	0.39	17,000.00	0
Other Non-Asphalt Surfaces	149.81	1000sqft	3.44	149,805.00	0
Parking Lot	72.45	1000sqft	1.66	72,448.00	0
Single Family Housing	11.00	Dwelling Unit	1.71	74,368.00	31
Automobile Care Center	11.02	1000sqft	0.25	11,019.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.4	<b>Precipitation Freq (Days)</b>	28
<b>Climate Zone</b>	10			<b>Operational Year</b>	2022
<b>Utility Company</b>	Riverside Public Utilities/City of Riverside				
<b>CO2 Intensity (lb/MW hr)</b>	789.98	<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 - See assumptions file, based on PD

Construction Phase -

Vehicle Trips - assume 100% primary trips, see assumptions file

Vehicle Emission Factors -

Eastside Neighborhood School, Existing Conditions - Riverside-South Coast County, Winter

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

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - See assumptions file

Energy Use -

Water And Wastewater - See assumptions file, assume 100% aerobic treatment

Water Mitigation -

Fleet Mix - adjusted fleet mix, see assumptions file

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	14355	4347
tblFleetMix	HHD	0.02	0.02
tblFleetMix	HHD	0.02	3.0190e-003
tblFleetMix	HHD	0.02	0.02
tblFleetMix	HHD	0.02	0.02
tblFleetMix	HHD	0.02	0.02
tblFleetMix	HHD	0.02	3.0190e-003
tblFleetMix	LDA	0.53	0.55
tblFleetMix	LDA	0.53	0.66
tblFleetMix	LDA	0.53	0.55
tblFleetMix	LDA	0.53	0.55
tblFleetMix	LDA	0.53	0.55
tblFleetMix	LDA	0.53	0.66
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT1	0.06	0.07
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT1	0.06	0.07

Eastside Neighborhood School, Existing Conditions - Riverside-South Coast County, Winter

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

tbIFleetMix	LDT2	0.17	0.18
tbIFleetMix	LDT2	0.17	0.21
tbIFleetMix	LDT2	0.17	0.18
tbIFleetMix	LDT2	0.17	0.18
tbIFleetMix	LDT2	0.17	0.18
tbIFleetMix	LDT2	0.17	0.21
tbIFleetMix	LHD1	0.03	0.02
tbIFleetMix	LHD1	0.03	3.9280e-003
tbIFleetMix	LHD1	0.03	0.02
tbIFleetMix	LHD1	0.03	0.02
tbIFleetMix	LHD1	0.03	0.02
tbIFleetMix	LHD1	0.03	3.9280e-003
tbIFleetMix	LHD2	7.4220e-003	6.7610e-003
tbIFleetMix	LHD2	7.4220e-003	1.1200e-003
tbIFleetMix	LHD2	7.4220e-003	6.7610e-003
tbIFleetMix	LHD2	7.4220e-003	6.7610e-003
tbIFleetMix	LHD2	7.4220e-003	6.7610e-003
tbIFleetMix	LHD2	7.4220e-003	1.1200e-003
tbIFleetMix	MCY	0.02	0.02
tbIFleetMix	MCY	0.02	0.03
tbIFleetMix	MCY	0.02	0.02
tbIFleetMix	MCY	0.02	0.02
tbIFleetMix	MCY	0.02	0.02
tbIFleetMix	MCY	0.02	0.03
tbIFleetMix	MDV	0.14	0.13
tbIFleetMix	MDV	0.14	0.02
tbIFleetMix	MDV	0.14	0.13

Eastside Neighborhood School, Existing Conditions - Riverside-South Coast County, Winter

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

tbIFleetMix	MDV	0.14	0.13
tbIFleetMix	MDV	0.14	0.13
tbIFleetMix	MDV	0.14	0.02
tbIFleetMix	MH	5.7590e-003	4.2550e-003
tbIFleetMix	MH	5.7590e-003	0.00
tbIFleetMix	MH	5.7590e-003	4.2550e-003
tbIFleetMix	MH	5.7590e-003	4.2550e-003
tbIFleetMix	MH	5.7590e-003	4.2550e-003
tbIFleetMix	MH	5.7590e-003	0.00
tbIFleetMix	MHD	0.01	0.01
tbIFleetMix	MHD	0.01	1.9330e-003
tbIFleetMix	MHD	0.01	0.01
tbIFleetMix	MHD	0.01	0.01
tbIFleetMix	MHD	0.01	0.01
tbIFleetMix	MHD	0.01	1.9330e-003
tbIFleetMix	OBUS	6.3000e-004	6.0500e-004
tbIFleetMix	OBUS	6.3000e-004	0.00
tbIFleetMix	OBUS	6.3000e-004	6.0500e-004
tbIFleetMix	OBUS	6.3000e-004	6.0500e-004
tbIFleetMix	OBUS	6.3000e-004	6.0500e-004
tbIFleetMix	OBUS	6.3000e-004	0.00
tbIFleetMix	SBUS	1.1020e-003	1.0860e-003
tbIFleetMix	SBUS	1.1020e-003	0.00
tbIFleetMix	SBUS	1.1020e-003	1.0860e-003
tbIFleetMix	SBUS	1.1020e-003	1.0860e-003
tbIFleetMix	SBUS	1.1020e-003	1.0860e-003
tbIFleetMix	SBUS	1.1020e-003	0.00

Eastside Neighborhood School, Existing Conditions - Riverside-South Coast County, Winter

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

tblFleetMix	UBUS	3.2100e-004	2.8800e-004
tblFleetMix	UBUS	3.2100e-004	0.00
tblFleetMix	UBUS	3.2100e-004	2.8800e-004
tblFleetMix	UBUS	3.2100e-004	2.8800e-004
tblFleetMix	UBUS	3.2100e-004	2.8800e-004
tblFleetMix	UBUS	3.2100e-004	0.00
tblLandUse	LandUseSquareFeet	50,850.00	50,847.00
tblLandUse	LandUseSquareFeet	149,810.00	149,805.00
tblLandUse	LandUseSquareFeet	72,450.00	72,448.00
tblLandUse	LandUseSquareFeet	19,800.00	74,368.00
tblLandUse	LandUseSquareFeet	11,020.00	11,019.00
tblLandUse	LotAcreage	3.57	1.71
tblVehicleTrips	DV_TP	51.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	PB_TP	28.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	21.00	100.00
tblVehicleTrips	PR_TP	75.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	23.72	21.78
tblVehicleTrips	ST_TR	3.98	0.00
tblVehicleTrips	ST_TR	9.54	9.09
tblVehicleTrips	SU_TR	11.88	21.78
tblVehicleTrips	SU_TR	1.71	0.00
tblVehicleTrips	SU_TR	8.55	9.09



Eastside Neighborhood School, Existing Conditions - Riverside-South Coast County, Winter

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

tblVehicleTrips	WD_TR	23.72	21.78
tblVehicleTrips	WD_TR	14.07	7.47
tblVehicleTrips	WD_TR	9.44	9.09
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	OutdoorWaterUseRate	635,442.01	0.00
tblWater	OutdoorWaterUseRate	4,341,743.86	2,242,334.00
tblWater	OutdoorWaterUseRate	451,829.00	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

**2.0 Emissions Summary**

**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					
2026	2.1350	19.2219	19.7823	0.0401	0.1677	0.8534	1.0211	0.0445	0.7926	0.8371	0.0000	3,870.0360	3,870.0360	1.0490	2.9400e-003	3,897.1359
Maximum	2.1350	19.2219	19.7823	0.0401	0.1677	0.8534	1.0211	0.0445	0.7926	0.8371	0.0000	3,870.0360	3,870.0360	1.0490	2.9400e-003	3,897.1359

**Mitigated Construction**

Eastside Neighborhood School, Existing Conditions - Riverside-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
Year	lb/day										lb/day					
2026	2.1350	19.2219	19.7823	0.0401	0.1677	0.8534	1.0211	0.0445	0.7926	0.8371	0.0000	3,870.0360	3,870.0360	1.0490	2.9400e-003	3,897.1359
Maximum	2.1350	19.2219	19.7823	0.0401	0.1677	0.8534	1.0211	0.0445	0.7926	0.8371	0.0000	3,870.0360	3,870.0360	1.0490	2.9400e-003	3,897.1359

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

**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	5.9850	0.2390	6.5334	0.0143		0.8454	0.8454		0.8454	0.8454	103.0361	199.7000	302.7361	0.3090	6.9900e-003	312.5457
Energy	0.0378	0.3371	0.2407	2.0600e-003		0.0261	0.0261		0.0261	0.0261		412.3135	412.3135	7.9000e-003	7.5600e-003	414.7637
Mobile	2.5891	3.1020	28.7600	0.0599	7.0384	0.0451	7.0835	1.8683	0.0421	1.9104		6,075.8803	6,075.8803	0.3460	0.2453	6,157.6295
Total	8.6119	3.6780	35.5340	0.0763	7.0384	0.9166	7.9550	1.8683	0.9136	2.7819	103.0361	6,687.8938	6,790.9299	0.6629	0.2599	6,884.9389

Eastside Neighborhood School, Existing Conditions - Riverside-South Coast County, Winter

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

**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	5.9850	0.2390	6.5334	0.0143		0.8454	0.8454		0.8454	0.8454	103.0361	199.7000	302.7361	0.3090	6.9900e-003	312.5457
Energy	0.0378	0.3371	0.2407	2.0600e-003		0.0261	0.0261		0.0261	0.0261		412.3135	412.3135	7.9000e-003	7.5600e-003	414.7637
Mobile	2.5891	3.1020	28.7600	0.0599	7.0384	0.0451	7.0835	1.8683	0.0421	1.9104		6,075.8803	6,075.8803	0.3460	0.2453	6,157.6295
<b>Total</b>	<b>8.6119</b>	<b>3.6780</b>	<b>35.5340</b>	<b>0.0763</b>	<b>7.0384</b>	<b>0.9166</b>	<b>7.9550</b>	<b>1.8683</b>	<b>0.9136</b>	<b>2.7819</b>	<b>103.0361</b>	<b>6,687.8938</b>	<b>6,790.9299</b>	<b>0.6629</b>	<b>0.2599</b>	<b>6,884.9389</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
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**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	2.5891	3.1020	28.7600	0.0599	7.0384	0.0451	7.0835	1.8683	0.0421	1.9104		6,075.8803	6,075.8803	0.3460	0.2453	6,157.6295
Unmitigated	2.5891	3.1020	28.7600	0.0599	7.0384	0.0451	7.0835	1.8683	0.0421	1.9104		6,075.8803	6,075.8803	0.3460	0.2453	6,157.6295

**4.2 Trip Summary Information**

Eastside Neighborhood School, Existing Conditions - Riverside-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	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	240.02	240.02	240.02	945,384	945,384
High School	379.85	0.00	0.00	1,452,239	1,452,239
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Single Family Housing	99.99	99.99	99.99	384,870	384,870
<b>Total</b>	<b>719.86</b>	<b>340.01</b>	<b>340.01</b>	<b>2,782,493</b>	<b>2,782,493</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
Automobile Care Center	16.60	8.40	6.90	33.00	48.00	19.00	100	0	0
High School	16.60	8.40	6.90	77.80	17.20	5.00	100	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	100	0	0

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.546740	0.057179	0.175858	0.130671	0.023703	0.006761	0.011662	0.018217	0.000605	0.000288	0.022975	0.001086	0.004255
High School	0.658702	0.068888	0.211870	0.020000	0.003928	0.001120	0.001933	0.003019	0.000000	0.000000	0.030539	0.000000	0.000000
Other Asphalt Surfaces	0.546740	0.057179	0.175858	0.130671	0.023703	0.006761	0.011662	0.018217	0.000605	0.000288	0.022975	0.001086	0.004255
Other Non-Asphalt Surfaces	0.546740	0.057179	0.175858	0.130671	0.023703	0.006761	0.011662	0.018217	0.000605	0.000288	0.022975	0.001086	0.004255
Parking Lot	0.546740	0.057179	0.175858	0.130671	0.023703	0.006761	0.011662	0.018217	0.000605	0.000288	0.022975	0.001086	0.004255
Single Family Housing	0.658702	0.068888	0.211870	0.020000	0.003928	0.001120	0.001933	0.003019	0.000000	0.000000	0.030539	0.000000	0.000000

**5.0 Energy Detail**

Historical Energy Use: Y

Eastside Neighborhood School, Existing Conditions - Riverside-South Coast County, Winter

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

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0378	0.3371	0.2407	2.0600e-003		0.0261	0.0261		0.0261	0.0261		412.3135	412.3135	7.9000e-003	7.5600e-003	414.7637
NaturalGas Unmitigated	0.0378	0.3371	0.2407	2.0600e-003		0.0261	0.0261		0.0261	0.0261		412.3135	412.3135	7.9000e-003	7.5600e-003	414.7637

**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					
Automobile Care Center	1023.11	0.0110	0.1003	0.0843	6.0000e-004		7.6200e-003	7.6200e-003		7.6200e-003	7.6200e-003		120.3655	120.3655	2.3100e-003	2.2100e-003	121.0808
High School	1370.78	0.0148	0.1344	0.1129	8.1000e-004		0.0102	0.0102		0.0102	0.0102		161.2682	161.2682	3.0900e-003	2.9600e-003	162.2265
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1110.78	0.0120	0.1024	0.0436	6.5000e-004		8.2800e-003	8.2800e-003		8.2800e-003	8.2800e-003		130.6799	130.6799	2.5000e-003	2.4000e-003	131.4565
<b>Total</b>		<b>0.0378</b>	<b>0.3371</b>	<b>0.2407</b>	<b>2.0600e-003</b>		<b>0.0261</b>	<b>0.0261</b>		<b>0.0261</b>	<b>0.0261</b>		<b>412.3135</b>	<b>412.3135</b>	<b>7.9000e-003</b>	<b>7.5700e-003</b>	<b>414.7637</b>

**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					

Eastside Neighborhood School, Existing Conditions - Riverside-South Coast County, Winter

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

Automobile Care Center	1.02311	0.0110	0.1003	0.0843	6.0000e-004		7.6200e-003	7.6200e-003		7.6200e-003	7.6200e-003		120.3655	120.3655	2.3100e-003	2.2100e-003	121.0808
High School	1.37078	0.0148	0.1344	0.1129	8.1000e-004		0.0102	0.0102		0.0102	0.0102		161.2682	161.2682	3.0900e-003	2.9600e-003	162.2265
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.11078	0.0120	0.1024	0.0436	6.5000e-004		8.2800e-003	8.2800e-003		8.2800e-003	8.2800e-003		130.6799	130.6799	2.5000e-003	2.4000e-003	131.4565
<b>Total</b>		<b>0.0378</b>	<b>0.3371</b>	<b>0.2407</b>	<b>2.0600e-003</b>		<b>0.0261</b>	<b>0.0261</b>		<b>0.0261</b>	<b>0.0261</b>		<b>412.3135</b>	<b>412.3135</b>	<b>7.9000e-003</b>	<b>7.5700e-003</b>	<b>414.7637</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.9850	0.2390	6.5334	0.0143		0.8454	0.8454		0.8454	0.8454	103.0361	199.7000	302.7361	0.3090	6.9900e-003	312.5457
Unmitigated	5.9850	0.2390	6.5334	0.0143		0.8454	0.8454		0.8454	0.8454	103.0361	199.7000	302.7361	0.3090	6.9900e-003	312.5457

Eastside Neighborhood School, Existing Conditions - Riverside-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**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2901					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.7822					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	2.8824	0.2282	5.5941	0.0143		0.8403	0.8403		0.8403	0.8403	103.0361	198.0000	301.0361	0.3073	6.9900e-003	310.8020
Landscaping	0.0303	0.0108	0.9393	5.0000e-005		5.1300e-003	5.1300e-003		5.1300e-003	5.1300e-003		1.7000	1.7000	1.7500e-003		1.7437
<b>Total</b>	<b>5.9850</b>	<b>0.2390</b>	<b>6.5334</b>	<b>0.0143</b>		<b>0.8454</b>	<b>0.8454</b>		<b>0.8454</b>	<b>0.8454</b>	<b>103.0361</b>	<b>199.7000</b>	<b>302.7361</b>	<b>0.3090</b>	<b>6.9900e-003</b>	<b>312.5457</b>

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2901					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.7822					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	2.8824	0.2282	5.5941	0.0143		0.8403	0.8403		0.8403	0.8403	103.0361	198.0000	301.0361	0.3073	6.9900e-003	310.8020
Landscaping	0.0303	0.0108	0.9393	5.0000e-005		5.1300e-003	5.1300e-003		5.1300e-003	5.1300e-003		1.7000	1.7000	1.7500e-003		1.7437
<b>Total</b>	<b>5.9850</b>	<b>0.2390</b>	<b>6.5334</b>	<b>0.0143</b>		<b>0.8454</b>	<b>0.8454</b>		<b>0.8454</b>	<b>0.8454</b>	<b>103.0361</b>	<b>199.7000</b>	<b>302.7361</b>	<b>0.3090</b>	<b>6.9900e-003</b>	<b>312.5457</b>

Eastside Neighborhood School, Existing Conditions - Riverside-South Coast County, Winter

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

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**



# **CalEEMod Existing Conditions (Year 2028) Model**

Eastside Neighborhood School, Existing Conditions - Riverside-South Coast County, Annual

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

**Eastside Neighborhood School, Existing Conditions  
Riverside-South Coast County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High School	50.85	1000sqft	1.17	50,847.00	0
Other Asphalt Surfaces	17.00	1000sqft	0.39	17,000.00	0
Other Non-Asphalt Surfaces	149.81	1000sqft	3.44	149,805.00	0
Parking Lot	72.45	1000sqft	1.66	72,448.00	0
Single Family Housing	11.00	Dwelling Unit	1.71	74,368.00	31
Automobile Care Center	11.02	1000sqft	0.25	11,019.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.4	<b>Precipitation Freq (Days)</b>	28
<b>Climate Zone</b>	10			<b>Operational Year</b>	2028
<b>Utility Company</b>	Riverside Public Utilities/City of Riverside				
<b>CO2 Intensity (lb/MWhr)</b>	789.98	<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 - See assumptions file, based on PD

Construction Phase -

Vehicle Trips - assume 100% primary trips, see assumptions file

Vehicle Emission Factors -

Eastside Neighborhood School, Existing Conditions - Riverside-South Coast County, Annual

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

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - See assumptions file

Energy Use -

Water And Wastewater - See assumptions file, assume 100% aerobic treatment

Water Mitigation -

Fleet Mix - adjusted fleet mix, see assumptions file

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	14355	4347
tblFleetMix	HHD	0.02	3.0190e-003
tblFleetMix	HHD	0.02	3.0190e-003
tblFleetMix	LDA	0.55	0.66
tblFleetMix	LDA	0.55	0.66
tblFleetMix	LDT1	0.06	0.07
tblFleetMix	LDT1	0.06	0.07
tblFleetMix	LDT2	0.18	0.21
tblFleetMix	LDT2	0.18	0.21
tblFleetMix	LHD1	0.02	3.9280e-003
tblFleetMix	LHD1	0.02	3.9280e-003
tblFleetMix	LHD2	6.7610e-003	1.1200e-003
tblFleetMix	LHD2	6.7610e-003	1.1200e-003
tblFleetMix	MCY	0.02	0.03
tblFleetMix	MCY	0.02	0.03
tblFleetMix	MDV	0.13	0.02
tblFleetMix	MDV	0.13	0.02
tblFleetMix	MH	4.2550e-003	0.00
tblFleetMix	MH	4.2550e-003	0.00

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

tblFleetMix	MHD	0.01	1.9330e-003
tblFleetMix	MHD	0.01	1.9330e-003
tblFleetMix	OBUS	6.0500e-004	0.00
tblFleetMix	OBUS	6.0500e-004	0.00
tblFleetMix	SBUS	1.0860e-003	0.00
tblFleetMix	SBUS	1.0860e-003	0.00
tblFleetMix	UBUS	2.8800e-004	0.00
tblFleetMix	UBUS	2.8800e-004	0.00
tblLandUse	LandUseSquareFeet	50,850.00	50,847.00
tblLandUse	LandUseSquareFeet	149,810.00	149,805.00
tblLandUse	LandUseSquareFeet	72,450.00	72,448.00
tblLandUse	LandUseSquareFeet	19,800.00	74,368.00
tblLandUse	LandUseSquareFeet	11,020.00	11,019.00
tblLandUse	LotAcreage	3.57	1.71
tblVehicleTrips	DV_TP	51.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	PB_TP	28.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	21.00	100.00
tblVehicleTrips	PR_TP	75.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	23.72	21.78
tblVehicleTrips	ST_TR	3.98	0.00
tblVehicleTrips	ST_TR	9.54	9.09
tblVehicleTrips	SU_TR	11.88	21.78

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

tblVehicleTrips	SU_TR	1.71	0.00
tblVehicleTrips	SU_TR	8.55	9.09
tblVehicleTrips	WD_TR	23.72	21.78
tblVehicleTrips	WD_TR	14.07	7.47
tblVehicleTrips	WD_TR	9.44	9.09
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	OutdoorWaterUseRate	635,442.01	0.00
tblWater	OutdoorWaterUseRate	4,341,743.86	2,242,334.00
tblWater	OutdoorWaterUseRate	451,829.00	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

**2.0 Emissions Summary**

**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					
2026	0.0213	0.1922	0.1980	4.0000e-004	1.6500e-003	8.5300e-003	0.0102	4.4000e-004	7.9300e-003	8.3600e-003	0.0000	35.1341	35.1341	9.5200e-003	3.0000e-005	35.3801
Maximum	0.0213	0.1922	0.1980	4.0000e-004	1.6500e-003	8.5300e-003	0.0102	4.4000e-004	7.9300e-003	8.3600e-003	0.0000	35.1341	35.1341	9.5200e-003	3.0000e-005	35.3801

**Mitigated Construction**

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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
Year	tons/yr										MT/yr					
2026	0.0213	0.1922	0.1980	4.0000e-004	1.6500e-003	8.5300e-003	0.0102	4.4000e-004	7.9300e-003	8.3600e-003	0.0000	35.1340	35.1340	9.5200e-003	3.0000e-005	35.3800
<b>Maximum</b>	<b>0.0213</b>	<b>0.1922</b>	<b>0.1980</b>	<b>4.0000e-004</b>	<b>1.6500e-003</b>	<b>8.5300e-003</b>	<b>0.0102</b>	<b>4.4000e-004</b>	<b>7.9300e-003</b>	<b>8.3600e-003</b>	<b>0.0000</b>	<b>35.1340</b>	<b>35.1340</b>	<b>9.5200e-003</b>	<b>3.0000e-005</b>	<b>35.3800</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>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2026	3-31-2026	0.2136	0.2136
		Highest	0.2136	0.2136

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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	0.6005	4.1900e-003	0.1871	1.8000e-004		0.0112	0.0112		0.0112	0.0112	1.1684	2.4381	3.6065	3.6800e-003	8.0000e-005	3.7221
Energy	6.9000e-003	0.0615	0.0439	3.8000e-004		4.7700e-003	4.7700e-003		4.7700e-003	4.7700e-003	0.0000	343.8617	343.8617	0.0128	2.6500e-003	344.9710
Mobile	0.3267	0.3397	3.5795	7.7700e-003	1.0429	4.9000e-003	1.0478	0.2773	4.5600e-003	0.2819	0.0000	715.1341	715.1341	0.0390	0.0279	724.4288
Waste						0.0000	0.0000		0.0000	0.0000	24.5457	0.0000	24.5457	1.4506	0.0000	60.8109
Water						0.0000	0.0000		0.0000	0.0000	1.2178	24.9861	26.2039	5.2400e-003	2.7700e-003	27.1617
<b>Total</b>	<b>0.9341</b>	<b>0.4054</b>	<b>3.8105</b>	<b>8.3300e-003</b>	<b>1.0429</b>	<b>0.0208</b>	<b>1.0637</b>	<b>0.2773</b>	<b>0.0205</b>	<b>0.2978</b>	<b>26.9318</b>	<b>1,086.4200</b>	<b>1,113.3519</b>	<b>1.5114</b>	<b>0.0334</b>	<b>1,161.0945</b>

Eastside Neighborhood School, Existing Conditions - Riverside-South Coast County, Annual

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

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.6005	4.1900e-003	0.1871	1.8000e-004		0.0112	0.0112		0.0112	0.0112	1.1684	2.4381	3.6065	3.6800e-003	8.0000e-005	3.7221
Energy	6.9000e-003	0.0615	0.0439	3.8000e-004		4.7700e-003	4.7700e-003		4.7700e-003	4.7700e-003	0.0000	343.8617	343.8617	0.0128	2.6500e-003	344.9710
Mobile	0.3267	0.3397	3.5795	7.7700e-003	1.0429	4.9000e-003	1.0478	0.2773	4.5600e-003	0.2819	0.0000	715.1341	715.1341	0.0390	0.0279	724.4288
Waste						0.0000	0.0000		0.0000	0.0000	24.5457	0.0000	24.5457	1.4506	0.0000	60.8109
Water						0.0000	0.0000		0.0000	0.0000	0.9742	21.7743	22.7485	4.2600e-003	2.2300e-003	23.5192
<b>Total</b>	<b>0.9341</b>	<b>0.4054</b>	<b>3.8105</b>	<b>8.3300e-003</b>	<b>1.0429</b>	<b>0.0208</b>	<b>1.0637</b>	<b>0.2773</b>	<b>0.0205</b>	<b>0.2978</b>	<b>26.6883</b>	<b>1,083.2082</b>	<b>1,109.8965</b>	<b>1.5104</b>	<b>0.0329</b>	<b>1,157.4520</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>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.90</b>	<b>0.30</b>	<b>0.31</b>	<b>0.06</b>	<b>1.62</b>	<b>0.31</b>

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

Category	tons/yr										MT/yr					
	Mitigated	0.3267	0.3397	3.5795	7.7700e-003	1.0429	4.9000e-003	1.0478	0.2773	4.5600e-003	0.2819	0.0000	715.1341	715.1341	0.0390	0.0279
Unmitigated	0.3267	0.3397	3.5795	7.7700e-003	1.0429	4.9000e-003	1.0478	0.2773	4.5600e-003	0.2819	0.0000	715.1341	715.1341	0.0390	0.0279	724.4288

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	240.02	240.02	240.02	945,384	945,384
High School	379.85	0.00	0.00	1,452,239	1,452,239
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Single Family Housing	99.99	99.99	99.99	384,870	384,870
<b>Total</b>	<b>719.86</b>	<b>340.01</b>	<b>340.01</b>	<b>2,782,493</b>	<b>2,782,493</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
Automobile Care Center	16.60	8.40	6.90	33.00	48.00	19.00	100	0	0
High School	16.60	8.40	6.90	77.80	17.20	5.00	100	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	100	0	0

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

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.546740	0.057179	0.175858	0.130671	0.023703	0.006761	0.011662	0.018217	0.000605	0.000288	0.022975	0.001086	0.004255
High School	0.658702	0.068888	0.211870	0.020000	0.003928	0.001120	0.001933	0.003019	0.000000	0.000000	0.030539	0.000000	0.000000
Other Asphalt Surfaces	0.546740	0.057179	0.175858	0.130671	0.023703	0.006761	0.011662	0.018217	0.000605	0.000288	0.022975	0.001086	0.004255
Other Non-Asphalt Surfaces	0.546740	0.057179	0.175858	0.130671	0.023703	0.006761	0.011662	0.018217	0.000605	0.000288	0.022975	0.001086	0.004255
Parking Lot	0.546740	0.057179	0.175858	0.130671	0.023703	0.006761	0.011662	0.018217	0.000605	0.000288	0.022975	0.001086	0.004255
Single Family Housing	0.658702	0.068888	0.211870	0.020000	0.003928	0.001120	0.001933	0.003019	0.000000	0.000000	0.030539	0.000000	0.000000

**5.0 Energy Detail**

Historical Energy Use: Y

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	275.5986	275.5986	0.0115	1.4000e-003	276.3022
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	275.5986	275.5986	0.0115	1.4000e-003	276.3022
NaturalGas Mitigated	6.9000e-003	0.0615	0.0439	3.8000e-004		4.7700e-003	4.7700e-003		4.7700e-003	4.7700e-003	0.0000	68.2631	68.2631	1.3100e-003	1.2500e-003	68.6688
NaturalGas Unmitigated	6.9000e-003	0.0615	0.0439	3.8000e-004		4.7700e-003	4.7700e-003		4.7700e-003	4.7700e-003	0.0000	68.2631	68.2631	1.3100e-003	1.2500e-003	68.6688

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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					
Automobile Care Center	373434	2.0100e-003	0.0183	0.0154	1.1000e-004		1.3900e-003	1.3900e-003		1.3900e-003	1.3900e-003	0.0000	19.9279	19.9279	3.8000e-004	3.7000e-004	20.0463
High School	500334	2.7000e-003	0.0245	0.0206	1.5000e-004		1.8600e-003	1.8600e-003		1.8600e-003	1.8600e-003	0.0000	26.6998	26.6998	5.1000e-004	4.9000e-004	26.8584
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	405434	2.1900e-003	0.0187	7.9500e-003	1.2000e-004		1.5100e-003	1.5100e-003		1.5100e-003	1.5100e-003	0.0000	21.6355	21.6355	4.1000e-004	4.0000e-004	21.7641
<b>Total</b>		<b>6.9000e-003</b>	<b>0.0615</b>	<b>0.0439</b>	<b>3.8000e-004</b>		<b>4.7600e-003</b>	<b>4.7600e-003</b>		<b>4.7600e-003</b>	<b>4.7600e-003</b>	<b>0.0000</b>	<b>68.2631</b>	<b>68.2631</b>	<b>1.3000e-003</b>	<b>1.2600e-003</b>	<b>68.6688</b>

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

**Mitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Automobile Care Center	373434	2.0100e-003	0.0183	0.0154	1.1000e-004		1.3900e-003	1.3900e-003		1.3900e-003	1.3900e-003	0.0000	19.9279	19.9279	3.8000e-004	3.7000e-004	20.0463
High School	500334	2.7000e-003	0.0245	0.0206	1.5000e-004		1.8600e-003	1.8600e-003		1.8600e-003	1.8600e-003	0.0000	26.6998	26.6998	5.1000e-004	4.9000e-004	26.8584
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	405434	2.1900e-003	0.0187	7.9500e-003	1.2000e-004		1.5100e-003	1.5100e-003		1.5100e-003	1.5100e-003	0.0000	21.6355	21.6355	4.1000e-004	4.0000e-004	21.7641
<b>Total</b>		<b>6.9000e-003</b>	<b>0.0615</b>	<b>0.0439</b>	<b>3.8000e-004</b>		<b>4.7600e-003</b>	<b>4.7600e-003</b>		<b>4.7600e-003</b>	<b>4.7600e-003</b>	<b>0.0000</b>	<b>68.2631</b>	<b>68.2631</b>	<b>1.3000e-003</b>	<b>1.2600e-003</b>	<b>68.6688</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			
Automobile Care Center	127049	45.5254	1.9000e-003	2.3000e-004	45.6416
High School	490674	175.8225	7.3400e-003	8.9000e-004	176.2714
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	63754.2	22.8450	9.5000e-004	1.2000e-004	22.9033
Single Family Housing	87644.9	31.4057	1.3100e-003	1.6000e-004	31.4859
<b>Total</b>		<b>275.5986</b>	<b>0.0115</b>	<b>1.4000e-003</b>	<b>276.3022</b>

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

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Automobile Care Center	127049	45.5254	1.9000e-003	2.3000e-004	45.6416
High School	490674	175.8225	7.3400e-003	8.9000e-004	176.2714
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	63754.2	22.8450	9.5000e-004	1.2000e-004	22.9033
Single Family Housing	87644.9	31.4057	1.3100e-003	1.6000e-004	31.4859
<b>Total</b>		<b>275.5986</b>	<b>0.0115</b>	<b>1.4000e-003</b>	<b>276.3022</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.6005	4.1900e-003	0.1871	1.8000e-004		0.0112	0.0112		0.0112	0.0112	1.1684	2.4381	3.6065	3.6800e-003	8.0000e-005	3.7221
Unmitigated	0.6005	4.1900e-003	0.1871	1.8000e-004		0.0112	0.0112		0.0112	0.0112	1.1684	2.4381	3.6065	3.6800e-003	8.0000e-005	3.7221

Eastside Neighborhood School, Existing Conditions - Riverside-South Coast County, Annual

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

**6.2 Area by SubCategory**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0530					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5078					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0360	2.8500e-003	0.0699	1.8000e-004		0.0105	0.0105		0.0105	0.0105	1.1684	2.2453	3.4137	3.4800e-003	8.0000e-005	3.5244
Landscaping	3.7600e-003	1.3400e-003	0.1172	1.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	0.1928	0.1928	2.0000e-004	0.0000	0.1977
<b>Total</b>	<b>0.6005</b>	<b>4.1900e-003</b>	<b>0.1871</b>	<b>1.9000e-004</b>		<b>0.0111</b>	<b>0.0111</b>		<b>0.0111</b>	<b>0.0111</b>	<b>1.1684</b>	<b>2.4381</b>	<b>3.6065</b>	<b>3.6800e-003</b>	<b>8.0000e-005</b>	<b>3.7221</b>

**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	0.0530					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5078					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0360	2.8500e-003	0.0699	1.8000e-004		0.0105	0.0105		0.0105	0.0105	1.1684	2.2453	3.4137	3.4800e-003	8.0000e-005	3.5244
Landscaping	3.7600e-003	1.3400e-003	0.1172	1.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	0.1928	0.1928	2.0000e-004	0.0000	0.1977
<b>Total</b>	<b>0.6005</b>	<b>4.1900e-003</b>	<b>0.1871</b>	<b>1.9000e-004</b>		<b>0.0111</b>	<b>0.0111</b>		<b>0.0111</b>	<b>0.0111</b>	<b>1.1684</b>	<b>2.4381</b>	<b>3.6065</b>	<b>3.6800e-003</b>	<b>8.0000e-005</b>	<b>3.7221</b>

Eastside Neighborhood School, Existing Conditions - Riverside-South Coast County, Annual

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

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	22.7485	4.2600e-003	2.2300e-003	23.5192
Unmitigated	26.2039	5.2400e-003	2.7700e-003	27.1617

**7.2 Water by Land Use**

**Unmitigated**

Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e



Eastside Neighborhood School, Existing Conditions - Riverside-South Coast County, Annual

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

Land Use	Mgal	MT/yr			
Automobile Care Center	1.03677 / 0	5.2042	1.4600e-003	8.2000e-004	5.4858
High School	1.68846 / 2.24233	17.4022	2.7600e-003	1.3800e-003	17.8836
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0.716694 / 0	3.5975	1.0100e-003	5.7000e-004	3.7922
<b>Total</b>		<b>26.2039</b>	<b>5.2300e-003</b>	<b>2.7700e-003</b>	<b>27.1617</b>

**Mitigated**

Land Use	Mgal	Total CO2	CH4	N2O	CO2e
Automobile Care Center	0.829419 / 0	4.1634	1.1700e-003	6.6000e-004	4.3887
High School	1.35076 / 2.24233	15.7071	2.2800e-003	1.1200e-003	16.0968
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0.573355 / 0	2.8780	8.1000e-004	4.5000e-004	3.0338
<b>Total</b>		<b>22.7485</b>	<b>4.2600e-003</b>	<b>2.2300e-003</b>	<b>23.5192</b>

Eastside Neighborhood School, Existing Conditions - Riverside-South Coast County, Annual

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

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	24.5457	1.4506	0.0000	60.8109
Unmitigated	24.5457	1.4506	0.0000	60.8109

**8.2 Waste by Land Use**

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	42.1	8.5459	0.5051	0.0000	21.1722
High School	66.11	13.4197	0.7931	0.0000	33.2468
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	12.71	2.5800	0.1525	0.0000	6.3919
<b>Total</b>		<b>24.5457</b>	<b>1.4506</b>	<b>0.0000</b>	<b>60.8109</b>

Eastside Neighborhood School, Existing Conditions - Riverside-South Coast County, Annual

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

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	42.1	8.5459	0.5051	0.0000	21.1722
High School	66.11	13.4197	0.7931	0.0000	33.2468
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	12.71	2.5800	0.1525	0.0000	6.3919
<b>Total</b>		<b>24.5457</b>	<b>1.4506</b>	<b>0.0000</b>	<b>60.8109</b>

Eastside Neighborhood School, Existing Conditions - Riverside-South Coast County, Summer

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

**Eastside Neighborhood School, Existing Conditions  
Riverside-South Coast County, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High School	50.85	1000sqft	1.17	50,847.00	0
Other Asphalt Surfaces	17.00	1000sqft	0.39	17,000.00	0
Other Non-Asphalt Surfaces	149.81	1000sqft	3.44	149,805.00	0
Parking Lot	72.45	1000sqft	1.66	72,448.00	0
Single Family Housing	11.00	Dwelling Unit	1.71	74,368.00	31
Automobile Care Center	11.02	1000sqft	0.25	11,019.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.4	<b>Precipitation Freq (Days)</b>	28
<b>Climate Zone</b>	10			<b>Operational Year</b>	2028
<b>Utility Company</b>	Riverside Public Utilities/City of Riverside				
<b>CO2 Intensity (lb/MWhr)</b>	789.98	<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 - See assumptions file, based on PD

Construction Phase -

Vehicle Trips - assume 100% primary trips, see assumptions file

Vehicle Emission Factors -

Eastside Neighborhood School, Existing Conditions - Riverside-South Coast County, Summer

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

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - See assumptions file

Energy Use -

Water And Wastewater - See assumptions file, assume 100% aerobic treatment

Water Mitigation -

Fleet Mix - adjusted fleet mix, see assumptions file

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	14355	4347
tblFleetMix	HHD	0.02	3.0190e-003
tblFleetMix	HHD	0.02	3.0190e-003
tblFleetMix	LDA	0.55	0.66
tblFleetMix	LDA	0.55	0.66
tblFleetMix	LDT1	0.06	0.07
tblFleetMix	LDT1	0.06	0.07
tblFleetMix	LDT2	0.18	0.21
tblFleetMix	LDT2	0.18	0.21
tblFleetMix	LHD1	0.02	3.9280e-003
tblFleetMix	LHD1	0.02	3.9280e-003
tblFleetMix	LHD2	6.7610e-003	1.1200e-003
tblFleetMix	LHD2	6.7610e-003	1.1200e-003
tblFleetMix	MCY	0.02	0.03
tblFleetMix	MCY	0.02	0.03
tblFleetMix	MDV	0.13	0.02
tblFleetMix	MDV	0.13	0.02
tblFleetMix	MH	4.2550e-003	0.00
tblFleetMix	MH	4.2550e-003	0.00

Eastside Neighborhood School, Existing Conditions - Riverside-South Coast County, Summer

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

tblFleetMix	MHD	0.01	1.9330e-003
tblFleetMix	MHD	0.01	1.9330e-003
tblFleetMix	OBUS	6.0500e-004	0.00
tblFleetMix	OBUS	6.0500e-004	0.00
tblFleetMix	SBUS	1.0860e-003	0.00
tblFleetMix	SBUS	1.0860e-003	0.00
tblFleetMix	UBUS	2.8800e-004	0.00
tblFleetMix	UBUS	2.8800e-004	0.00
tblLandUse	LandUseSquareFeet	50,850.00	50,847.00
tblLandUse	LandUseSquareFeet	149,810.00	149,805.00
tblLandUse	LandUseSquareFeet	72,450.00	72,448.00
tblLandUse	LandUseSquareFeet	19,800.00	74,368.00
tblLandUse	LandUseSquareFeet	11,020.00	11,019.00
tblLandUse	LotAcreage	3.57	1.71
tblVehicleTrips	DV_TP	51.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	PB_TP	28.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	21.00	100.00
tblVehicleTrips	PR_TP	75.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	23.72	21.78
tblVehicleTrips	ST_TR	3.98	0.00
tblVehicleTrips	ST_TR	9.54	9.09
tblVehicleTrips	SU_TR	11.88	21.78

Eastside Neighborhood School, Existing Conditions - Riverside-South Coast County, Summer

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

tblVehicleTrips	SU_TR	1.71	0.00
tblVehicleTrips	SU_TR	8.55	9.09
tblVehicleTrips	WD_TR	23.72	21.78
tblVehicleTrips	WD_TR	14.07	7.47
tblVehicleTrips	WD_TR	9.44	9.09
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	OutdoorWaterUseRate	635,442.01	0.00
tblWater	OutdoorWaterUseRate	4,341,743.86	2,242,334.00
tblWater	OutdoorWaterUseRate	451,829.00	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

Eastside Neighborhood School, Existing Conditions - Riverside-South Coast County, Summer

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

**2.0 Emissions Summary**

**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	5.9848	0.2390	6.5314	0.0143		0.8454	0.8454		0.8454	0.8454	103.0361	199.7000	302.7361	0.3090	6.9900e-003	312.5454
Energy	0.0378	0.3371	0.2407	2.0600e-003		0.0261	0.0261		0.0261	0.0261		412.3135	412.3135	7.9000e-003	7.5600e-003	414.7637
Mobile	2.4493	1.9969	26.1650	0.0546	7.0384	0.0315	7.0699	1.8683	0.0293	1.8976		5,540.7947	5,540.7947	0.2818	0.1897	5,604.3772
<b>Total</b>	<b>8.4718</b>	<b>2.5729</b>	<b>32.9371</b>	<b>0.0710</b>	<b>7.0384</b>	<b>0.9031</b>	<b>7.9414</b>	<b>1.8683</b>	<b>0.9008</b>	<b>2.7692</b>	<b>103.0361</b>	<b>6,152.8082</b>	<b>6,255.8443</b>	<b>0.5987</b>	<b>0.2043</b>	<b>6,331.6863</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	5.9848	0.2390	6.5314	0.0143		0.8454	0.8454		0.8454	0.8454	103.0361	199.7000	302.7361	0.3090	6.9900e-003	312.5454
Energy	0.0378	0.3371	0.2407	2.0600e-003		0.0261	0.0261		0.0261	0.0261		412.3135	412.3135	7.9000e-003	7.5600e-003	414.7637
Mobile	2.4493	1.9969	26.1650	0.0546	7.0384	0.0315	7.0699	1.8683	0.0293	1.8976		5,540.7947	5,540.7947	0.2818	0.1897	5,604.3772
<b>Total</b>	<b>8.4718</b>	<b>2.5729</b>	<b>32.9371</b>	<b>0.0710</b>	<b>7.0384</b>	<b>0.9031</b>	<b>7.9414</b>	<b>1.8683</b>	<b>0.9008</b>	<b>2.7692</b>	<b>103.0361</b>	<b>6,152.8082</b>	<b>6,255.8443</b>	<b>0.5987</b>	<b>0.2043</b>	<b>6,331.6863</b>



Eastside Neighborhood School, Existing Conditions - Riverside-South Coast County, Summer

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

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

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Mitigated	2.4493	1.9969	26.1650	0.0546	7.0384	0.0315	7.0699	1.8683	0.0293	1.8976		5,540.7947	5,540.7947	0.2818	0.1897	5,604.3772
Unmitigated	2.4493	1.9969	26.1650	0.0546	7.0384	0.0315	7.0699	1.8683	0.0293	1.8976		5,540.7947	5,540.7947	0.2818	0.1897	5,604.3772

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	240.02	240.02	240.02	945,384	945,384
High School	379.85	0.00	0.00	1,452,239	1,452,239
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Single Family Housing	99.99	99.99	99.99	384,870	384,870
<b>Total</b>	<b>719.86</b>	<b>340.01</b>	<b>340.01</b>	<b>2,782,493</b>	<b>2,782,493</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
Automobile Care Center	16.60	8.40	6.90	33.00	48.00	19.00	100	0	0
High School	16.60	8.40	6.90	77.80	17.20	5.00	100	0	0

Eastside Neighborhood School, Existing Conditions - Riverside-South Coast County, Summer

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

Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	100	0	0

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.546740	0.057179	0.175858	0.130671	0.023703	0.006761	0.011662	0.018217	0.000605	0.000288	0.022975	0.001086	0.004255
High School	0.658702	0.068888	0.211870	0.020000	0.003928	0.001120	0.001933	0.003019	0.000000	0.000000	0.030539	0.000000	0.000000
Other Asphalt Surfaces	0.546740	0.057179	0.175858	0.130671	0.023703	0.006761	0.011662	0.018217	0.000605	0.000288	0.022975	0.001086	0.004255
Other Non-Asphalt Surfaces	0.546740	0.057179	0.175858	0.130671	0.023703	0.006761	0.011662	0.018217	0.000605	0.000288	0.022975	0.001086	0.004255
Parking Lot	0.546740	0.057179	0.175858	0.130671	0.023703	0.006761	0.011662	0.018217	0.000605	0.000288	0.022975	0.001086	0.004255
Single Family Housing	0.658702	0.068888	0.211870	0.020000	0.003928	0.001120	0.001933	0.003019	0.000000	0.000000	0.030539	0.000000	0.000000

**5.0 Energy Detail**

Historical Energy Use: Y

**5.1 Mitigation Measures Energy**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.0378	0.3371	0.2407	2.0600e-003		0.0261	0.0261		0.0261	0.0261		412.3135	412.3135	7.9000e-003	7.5600e-003	414.7637
NaturalGas Unmitigated	0.0378	0.3371	0.2407	2.0600e-003		0.0261	0.0261		0.0261	0.0261		412.3135	412.3135	7.9000e-003	7.5600e-003	414.7637

Eastside Neighborhood School, Existing Conditions - Riverside-South Coast County, Summer

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

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Automobile Care Center	1023.11	0.0110	0.1003	0.0843	6.0000e-004		7.6200e-003	7.6200e-003		7.6200e-003	7.6200e-003		120.3655	120.3655	2.3100e-003	2.2100e-003	121.0808
High School	1370.78	0.0148	0.1344	0.1129	8.1000e-004		0.0102	0.0102		0.0102	0.0102		161.2682	161.2682	3.0900e-003	2.9600e-003	162.2265
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1110.78	0.0120	0.1024	0.0436	6.5000e-004		8.2800e-003	8.2800e-003		8.2800e-003	8.2800e-003		130.6799	130.6799	2.5000e-003	2.4000e-003	131.4565
<b>Total</b>		<b>0.0378</b>	<b>0.3371</b>	<b>0.2407</b>	<b>2.0600e-003</b>		<b>0.0261</b>	<b>0.0261</b>		<b>0.0261</b>	<b>0.0261</b>		<b>412.3135</b>	<b>412.3135</b>	<b>7.9000e-003</b>	<b>7.5700e-003</b>	<b>414.7637</b>

Eastside Neighborhood School, Existing Conditions - Riverside-South Coast County, Summer

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

**Mitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Automobile Care Center	1.02311	0.0110	0.1003	0.0843	6.0000e-004		7.6200e-003	7.6200e-003		7.6200e-003	7.6200e-003		120.3655	120.3655	2.3100e-003	2.2100e-003	121.0808
High School	1.37078	0.0148	0.1344	0.1129	8.1000e-004		0.0102	0.0102		0.0102	0.0102		161.2682	161.2682	3.0900e-003	2.9600e-003	162.2265
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.11078	0.0120	0.1024	0.0436	6.5000e-004		8.2800e-003	8.2800e-003		8.2800e-003	8.2800e-003		130.6799	130.6799	2.5000e-003	2.4000e-003	131.4565
<b>Total</b>		<b>0.0378</b>	<b>0.3371</b>	<b>0.2407</b>	<b>2.0600e-003</b>		<b>0.0261</b>	<b>0.0261</b>		<b>0.0261</b>	<b>0.0261</b>		<b>412.3135</b>	<b>412.3135</b>	<b>7.9000e-003</b>	<b>7.5700e-003</b>	<b>414.7637</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.9848	0.2390	6.5314	0.0143		0.8454	0.8454		0.8454	0.8454	103.0361	199.7000	302.7361	0.3090	6.9900e-003	312.5454
Unmitigated	5.9848	0.2390	6.5314	0.0143		0.8454	0.8454		0.8454	0.8454	103.0361	199.7000	302.7361	0.3090	6.9900e-003	312.5454

Eastside Neighborhood School, Existing Conditions - Riverside-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**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2901					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.7822					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	2.8824	0.2282	5.5941	0.0143		0.8403	0.8403		0.8403	0.8403	103.0361	198.0000	301.0361	0.3073	6.9900e-003	310.8020
Landscaping	0.0301	0.0107	0.9373	5.0000e-005		5.1400e-003	5.1400e-003		5.1400e-003	5.1400e-003		1.7000	1.7000	1.7400e-003		1.7434
<b>Total</b>	<b>5.9848</b>	<b>0.2390</b>	<b>6.5314</b>	<b>0.0143</b>		<b>0.8454</b>	<b>0.8454</b>		<b>0.8454</b>	<b>0.8454</b>	<b>103.0361</b>	<b>199.7000</b>	<b>302.7361</b>	<b>0.3090</b>	<b>6.9900e-003</b>	<b>312.5453</b>

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2901					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.7822					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	2.8824	0.2282	5.5941	0.0143		0.8403	0.8403		0.8403	0.8403	103.0361	198.0000	301.0361	0.3073	6.9900e-003	310.8020
Landscaping	0.0301	0.0107	0.9373	5.0000e-005		5.1400e-003	5.1400e-003		5.1400e-003	5.1400e-003		1.7000	1.7000	1.7400e-003		1.7434
<b>Total</b>	<b>5.9848</b>	<b>0.2390</b>	<b>6.5314</b>	<b>0.0143</b>		<b>0.8454</b>	<b>0.8454</b>		<b>0.8454</b>	<b>0.8454</b>	<b>103.0361</b>	<b>199.7000</b>	<b>302.7361</b>	<b>0.3090</b>	<b>6.9900e-003</b>	<b>312.5453</b>

Eastside Neighborhood School, Existing Conditions - Riverside-South Coast County, Summer

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

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

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Eastside Neighborhood School, Existing Conditions - Riverside-South Coast County, Winter

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

**Eastside Neighborhood School, Existing Conditions  
Riverside-South Coast County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High School	50.85	1000sqft	1.17	50,847.00	0
Other Asphalt Surfaces	17.00	1000sqft	0.39	17,000.00	0
Other Non-Asphalt Surfaces	149.81	1000sqft	3.44	149,805.00	0
Parking Lot	72.45	1000sqft	1.66	72,448.00	0
Single Family Housing	11.00	Dwelling Unit	1.71	74,368.00	31
Automobile Care Center	11.02	1000sqft	0.25	11,019.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.4	<b>Precipitation Freq (Days)</b>	28
<b>Climate Zone</b>	10			<b>Operational Year</b>	2028
<b>Utility Company</b>	Riverside Public Utilities/City of Riverside				
<b>CO2 Intensity (lb/MWhr)</b>	789.98	<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 - See assumptions file, based on PD

Construction Phase -

Vehicle Trips - assume 100% primary trips, see assumptions file

Vehicle Emission Factors -

Eastside Neighborhood School, Existing Conditions - Riverside-South Coast County, Winter

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

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - See assumptions file

Energy Use -

Water And Wastewater - See assumptions file, assume 100% aerobic treatment

Water Mitigation -

Fleet Mix - adjusted fleet mix, see assumptions file

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	14355	4347
tblFleetMix	HHD	0.02	3.0190e-003
tblFleetMix	HHD	0.02	3.0190e-003
tblFleetMix	LDA	0.55	0.66
tblFleetMix	LDA	0.55	0.66
tblFleetMix	LDT1	0.06	0.07
tblFleetMix	LDT1	0.06	0.07
tblFleetMix	LDT2	0.18	0.21
tblFleetMix	LDT2	0.18	0.21
tblFleetMix	LHD1	0.02	3.9280e-003
tblFleetMix	LHD1	0.02	3.9280e-003
tblFleetMix	LHD2	6.7610e-003	1.1200e-003
tblFleetMix	LHD2	6.7610e-003	1.1200e-003
tblFleetMix	MCY	0.02	0.03
tblFleetMix	MCY	0.02	0.03
tblFleetMix	MDV	0.13	0.02
tblFleetMix	MDV	0.13	0.02
tblFleetMix	MH	4.2550e-003	0.00
tblFleetMix	MH	4.2550e-003	0.00



Eastside Neighborhood School, Existing Conditions - Riverside-South Coast County, Winter

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

tblFleetMix	MHD	0.01	1.9330e-003
tblFleetMix	MHD	0.01	1.9330e-003
tblFleetMix	OBUS	6.0500e-004	0.00
tblFleetMix	OBUS	6.0500e-004	0.00
tblFleetMix	SBUS	1.0860e-003	0.00
tblFleetMix	SBUS	1.0860e-003	0.00
tblFleetMix	UBUS	2.8800e-004	0.00
tblFleetMix	UBUS	2.8800e-004	0.00
tblLandUse	LandUseSquareFeet	50,850.00	50,847.00
tblLandUse	LandUseSquareFeet	149,810.00	149,805.00
tblLandUse	LandUseSquareFeet	72,450.00	72,448.00
tblLandUse	LandUseSquareFeet	19,800.00	74,368.00
tblLandUse	LandUseSquareFeet	11,020.00	11,019.00
tblLandUse	LotAcreage	3.57	1.71
tblVehicleTrips	DV_TP	51.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	PB_TP	28.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	21.00	100.00
tblVehicleTrips	PR_TP	75.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	23.72	21.78
tblVehicleTrips	ST_TR	3.98	0.00
tblVehicleTrips	ST_TR	9.54	9.09
tblVehicleTrips	SU_TR	11.88	21.78

Eastside Neighborhood School, Existing Conditions - Riverside-South Coast County, Winter

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

tblVehicleTrips	SU_TR	1.71	0.00
tblVehicleTrips	SU_TR	8.55	9.09
tblVehicleTrips	WD_TR	23.72	21.78
tblVehicleTrips	WD_TR	14.07	7.47
tblVehicleTrips	WD_TR	9.44	9.09
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	OutdoorWaterUseRate	635,442.01	0.00
tblWater	OutdoorWaterUseRate	4,341,743.86	2,242,334.00
tblWater	OutdoorWaterUseRate	451,829.00	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

**2.0 Emissions Summary**

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Eastside Neighborhood School, Existing Conditions - Riverside-South Coast County, Winter

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

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.9848	0.2390	6.5314	0.0143		0.8454	0.8454		0.8454	0.8454	103.0361	199.7000	302.7361	0.3090	6.9900e-003	312.5454
Energy	0.0378	0.3371	0.2407	2.0600e-003		0.0261	0.0261		0.0261	0.0261		412.3135	412.3135	7.9000e-003	7.5600e-003	414.7637
Mobile	2.1435	2.1437	23.0283	0.0501	7.0384	0.0316	7.0699	1.8683	0.0293	1.8977		5,079.5670	5,079.5670	0.2852	0.1956	5,144.9724
<b>Total</b>	<b>8.1661</b>	<b>2.7197</b>	<b>29.8004</b>	<b>0.0664</b>	<b>7.0384</b>	<b>0.9031</b>	<b>7.9415</b>	<b>1.8683</b>	<b>0.9009</b>	<b>2.7692</b>	<b>103.0361</b>	<b>5,691.5806</b>	<b>5,794.6167</b>	<b>0.6021</b>	<b>0.2101</b>	<b>5,872.2815</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	5.9848	0.2390	6.5314	0.0143		0.8454	0.8454		0.8454	0.8454	103.0361	199.7000	302.7361	0.3090	6.9900e-003	312.5454
Energy	0.0378	0.3371	0.2407	2.0600e-003		0.0261	0.0261		0.0261	0.0261		412.3135	412.3135	7.9000e-003	7.5600e-003	414.7637
Mobile	2.1435	2.1437	23.0283	0.0501	7.0384	0.0316	7.0699	1.8683	0.0293	1.8977		5,079.5670	5,079.5670	0.2852	0.1956	5,144.9724
<b>Total</b>	<b>8.1661</b>	<b>2.7197</b>	<b>29.8004</b>	<b>0.0664</b>	<b>7.0384</b>	<b>0.9031</b>	<b>7.9415</b>	<b>1.8683</b>	<b>0.9009</b>	<b>2.7692</b>	<b>103.0361</b>	<b>5,691.5806</b>	<b>5,794.6167</b>	<b>0.6021</b>	<b>0.2101</b>	<b>5,872.2815</b>

Eastside Neighborhood School, Existing Conditions - Riverside-South Coast County, Winter

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

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

**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	2.1435	2.1437	23.0283	0.0501	7.0384	0.0316	7.0699	1.8683	0.0293	1.8977		5,079.5670	5,079.5670	0.2852	0.1956	5,144.9724
Unmitigated	2.1435	2.1437	23.0283	0.0501	7.0384	0.0316	7.0699	1.8683	0.0293	1.8977		5,079.5670	5,079.5670	0.2852	0.1956	5,144.9724

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	240.02	240.02	240.02	945,384	945,384
High School	379.85	0.00	0.00	1,452,239	1,452,239
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Single Family Housing	99.99	99.99	99.99	384,870	384,870
<b>Total</b>	<b>719.86</b>	<b>340.01</b>	<b>340.01</b>	<b>2,782,493</b>	<b>2,782,493</b>

Eastside Neighborhood School, Existing Conditions - Riverside-South Coast County, Winter

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

**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
Automobile Care Center	16.60	8.40	6.90	33.00	48.00	19.00	100	0	0
High School	16.60	8.40	6.90	77.80	17.20	5.00	100	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	100	0	0

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.546740	0.057179	0.175858	0.130671	0.023703	0.006761	0.011662	0.018217	0.000605	0.000288	0.022975	0.001086	0.004255
High School	0.658702	0.068888	0.211870	0.020000	0.003928	0.001120	0.001933	0.003019	0.000000	0.000000	0.030539	0.000000	0.000000
Other Asphalt Surfaces	0.546740	0.057179	0.175858	0.130671	0.023703	0.006761	0.011662	0.018217	0.000605	0.000288	0.022975	0.001086	0.004255
Other Non-Asphalt Surfaces	0.546740	0.057179	0.175858	0.130671	0.023703	0.006761	0.011662	0.018217	0.000605	0.000288	0.022975	0.001086	0.004255
Parking Lot	0.546740	0.057179	0.175858	0.130671	0.023703	0.006761	0.011662	0.018217	0.000605	0.000288	0.022975	0.001086	0.004255
Single Family Housing	0.658702	0.068888	0.211870	0.020000	0.003928	0.001120	0.001933	0.003019	0.000000	0.000000	0.030539	0.000000	0.000000

**5.0 Energy Detail**

Historical Energy Use: Y

**5.1 Mitigation Measures Energy**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
NaturalGas Mitigated	0.0378	0.3371	0.2407	2.0600e-003		0.0261	0.0261		0.0261	0.0261			412.3135	412.3135	7.9000e-003	7.5600e-003	414.7637
NaturalGas Unmitigated	0.0378	0.3371	0.2407	2.0600e-003		0.0261	0.0261		0.0261	0.0261			412.3135	412.3135	7.9000e-003	7.5600e-003	414.7637

Eastside Neighborhood School, Existing Conditions - Riverside-South Coast County, Winter

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

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Automobile Care Center	1023.11	0.0110	0.1003	0.0843	6.0000e-004		7.6200e-003	7.6200e-003		7.6200e-003	7.6200e-003		120.3655	120.3655	2.3100e-003	2.2100e-003	121.0808
High School	1370.78	0.0148	0.1344	0.1129	8.1000e-004		0.0102	0.0102		0.0102	0.0102		161.2682	161.2682	3.0900e-003	2.9600e-003	162.2265
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1110.78	0.0120	0.1024	0.0436	6.5000e-004		8.2800e-003	8.2800e-003		8.2800e-003	8.2800e-003		130.6799	130.6799	2.5000e-003	2.4000e-003	131.4565
<b>Total</b>		<b>0.0378</b>	<b>0.3371</b>	<b>0.2407</b>	<b>2.0600e-003</b>		<b>0.0261</b>	<b>0.0261</b>		<b>0.0261</b>	<b>0.0261</b>		<b>412.3135</b>	<b>412.3135</b>	<b>7.9000e-003</b>	<b>7.5700e-003</b>	<b>414.7637</b>

Eastside Neighborhood School, Existing Conditions - Riverside-South Coast County, Winter

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

**Mitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Automobile Care Center	1.02311	0.0110	0.1003	0.0843	6.0000e-004		7.6200e-003	7.6200e-003		7.6200e-003	7.6200e-003		120.3655	120.3655	2.3100e-003	2.2100e-003	121.0808
High School	1.37078	0.0148	0.1344	0.1129	8.1000e-004		0.0102	0.0102		0.0102	0.0102		161.2682	161.2682	3.0900e-003	2.9600e-003	162.2265
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.11078	0.0120	0.1024	0.0436	6.5000e-004		8.2800e-003	8.2800e-003		8.2800e-003	8.2800e-003		130.6799	130.6799	2.5000e-003	2.4000e-003	131.4565
<b>Total</b>		<b>0.0378</b>	<b>0.3371</b>	<b>0.2407</b>	<b>2.0600e-003</b>		<b>0.0261</b>	<b>0.0261</b>		<b>0.0261</b>	<b>0.0261</b>		<b>412.3135</b>	<b>412.3135</b>	<b>7.9000e-003</b>	<b>7.5700e-003</b>	<b>414.7637</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.9848	0.2390	6.5314	0.0143		0.8454	0.8454		0.8454	0.8454	103.0361	199.7000	302.7361	0.3090	6.9900e-003	312.5454
Unmitigated	5.9848	0.2390	6.5314	0.0143		0.8454	0.8454		0.8454	0.8454	103.0361	199.7000	302.7361	0.3090	6.9900e-003	312.5454

Eastside Neighborhood School, Existing Conditions - Riverside-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**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2901					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.7822					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	2.8824	0.2282	5.5941	0.0143		0.8403	0.8403		0.8403	0.8403	103.0361	198.0000	301.0361	0.3073	6.9900e-003	310.8020
Landscaping	0.0301	0.0107	0.9373	5.0000e-005		5.1400e-003	5.1400e-003		5.1400e-003	5.1400e-003		1.7000	1.7000	1.7400e-003		1.7434
<b>Total</b>	<b>5.9848</b>	<b>0.2390</b>	<b>6.5314</b>	<b>0.0143</b>		<b>0.8454</b>	<b>0.8454</b>		<b>0.8454</b>	<b>0.8454</b>	<b>103.0361</b>	<b>199.7000</b>	<b>302.7361</b>	<b>0.3090</b>	<b>6.9900e-003</b>	<b>312.5453</b>

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2901					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.7822					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	2.8824	0.2282	5.5941	0.0143		0.8403	0.8403		0.8403	0.8403	103.0361	198.0000	301.0361	0.3073	6.9900e-003	310.8020
Landscaping	0.0301	0.0107	0.9373	5.0000e-005		5.1400e-003	5.1400e-003		5.1400e-003	5.1400e-003		1.7000	1.7000	1.7400e-003		1.7434
<b>Total</b>	<b>5.9848</b>	<b>0.2390</b>	<b>6.5314</b>	<b>0.0143</b>		<b>0.8454</b>	<b>0.8454</b>		<b>0.8454</b>	<b>0.8454</b>	<b>103.0361</b>	<b>199.7000</b>	<b>302.7361</b>	<b>0.3090</b>	<b>6.9900e-003</b>	<b>312.5453</b>



Eastside Neighborhood School, Existing Conditions - Riverside-South Coast County, Winter

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

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

# **CalEEMod Operations Model**

Eastside Neighborhood School, Operation - Riverside-South Coast County, Annual

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

**Eastside Neighborhood School, Operation  
Riverside-South Coast County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	800.00	Student	0.80	61,149.00	0
High School	200.00	Student	0.50	32,716.00	0
Parking Lot	51.80	1000sqft	1.19	51,800.00	0
Other Asphalt Surfaces	64.53	1000sqft	1.48	64,532.00	0
Other Non-Asphalt Surfaces	202.58	1000sqft	4.65	202,582.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.4	<b>Precipitation Freq (Days)</b>	28
<b>Climate Zone</b>	10			<b>Operational Year</b>	2028
<b>Utility Company</b>	Riverside Public Utilities/City of Riverside				
<b>CO2 Intensity (lb/MW hr)</b>	789.98	<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 - Based on info. from District, see assumptions file

Construction Phase -

Vehicle Trips - assume 100% primary trips, see assumptions file

Area Coating - see assumptions file

Energy Use - Adjusted CalEEMod energy use to reflect blended historical and new energy rates, see assumptions file

Eastside Neighborhood School, Operation - Riverside-South Coast County, Annual

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

Water And Wastewater - assume 100% aerobic treatment, see water calculations in assumptions file

Solid Waste - See assumptions file for solid waste calculations

Fleet Mix - See fleet mix adjustment in assumptions file

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	19135	3108
tblEnergyUse	LightingElect	3.03	3.52
tblEnergyUse	T24E	2.49	2.87
tblEnergyUse	T24NG	6.90	7.28
tblFleetMix	HHD	0.02	3.0190e-003
tblFleetMix	HHD	0.02	3.0190e-003
tblFleetMix	HHD	0.02	3.0190e-003
tblFleetMix	LDA	0.55	0.66
tblFleetMix	LDA	0.55	0.66
tblFleetMix	LDA	0.55	0.66
tblFleetMix	LDT1	0.06	0.07
tblFleetMix	LDT1	0.06	0.07
tblFleetMix	LDT1	0.06	0.07
tblFleetMix	LDT2	0.18	0.21
tblFleetMix	LDT2	0.18	0.21
tblFleetMix	LDT2	0.18	0.21
tblFleetMix	LHD1	0.02	3.9280e-003
tblFleetMix	LHD1	0.02	3.9280e-003
tblFleetMix	LHD1	0.02	3.9280e-003
tblFleetMix	LHD2	6.7610e-003	1.1200e-003
tblFleetMix	LHD2	6.7610e-003	1.1200e-003
tblFleetMix	LHD2	6.7610e-003	1.1200e-003

Eastside Neighborhood School, Operation - Riverside-South Coast County, Annual

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

tblFleetMix	MCY	0.02	0.03
tblFleetMix	MCY	0.02	0.03
tblFleetMix	MCY	0.02	0.03
tblFleetMix	MDV	0.13	0.02
tblFleetMix	MDV	0.13	0.02
tblFleetMix	MDV	0.13	0.02
tblFleetMix	MH	4.2550e-003	0.00
tblFleetMix	MH	4.2550e-003	0.00
tblFleetMix	MH	4.2550e-003	0.00
tblFleetMix	MHD	0.01	1.9330e-003
tblFleetMix	MHD	0.01	1.9330e-003
tblFleetMix	MHD	0.01	1.9330e-003
tblFleetMix	OBUS	6.0500e-004	0.00
tblFleetMix	OBUS	6.0500e-004	0.00
tblFleetMix	OBUS	6.0500e-004	0.00
tblFleetMix	SBUS	1.0860e-003	0.00
tblFleetMix	SBUS	1.0860e-003	0.00
tblFleetMix	SBUS	1.0860e-003	0.00
tblFleetMix	UBUS	2.8800e-004	0.00
tblFleetMix	UBUS	2.8800e-004	0.00
tblFleetMix	UBUS	2.8800e-004	0.00
tblLandUse	LandUseSquareFeet	66,882.70	61,149.00
tblLandUse	LandUseSquareFeet	26,532.20	32,716.00
tblLandUse	LandUseSquareFeet	64,530.00	64,532.00
tblLandUse	LandUseSquareFeet	202,580.00	202,582.00
tblLandUse	LotAcreage	1.54	0.80
tblLandUse	LotAcreage	0.61	0.50

Eastside Neighborhood School, Operation - Riverside-South Coast County, Annual

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

tblSolidWaste	SolidWasteGenerationRate	146.00	92.00
tblSolidWaste	SolidWasteGenerationRate	36.50	18.30
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	PB_TP	12.00	0.00
tblVehicleTrips	PR_TP	63.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	0.58	0.00
tblVehicleTrips	ST_TR	0.00	0.79
tblVehicleTrips	SU_TR	0.25	0.00
tblVehicleTrips	SU_TR	0.00	0.79
tblVehicleTrips	WD_TR	1.89	2.28
tblVehicleTrips	WD_TR	2.03	0.00
tblVehicleTrips	WD_TR	0.00	0.79
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	OutdoorWaterUseRate	4,987,008.00	2,170,411.00
tblWater	OutdoorWaterUseRate	2,265,408.00	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

**2.0 Emissions Summary**

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Eastside Neighborhood School, Operation - Riverside-South Coast County, Annual

**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	0.4056	1.5000e-004	0.0168	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0327	0.0327	9.0000e-005	0.0000	0.0349
Energy	4.4700e-003	0.0406	0.0341	2.4000e-004		3.0900e-003	3.0900e-003		3.0900e-003	3.0900e-003	0.0000	296.6653	296.6653	0.0114	2.0900e-003	297.5725
Mobile	0.7711	0.6046	8.5065	0.0169	2.4166	9.3600e-003	2.4259	0.6411	8.6500e-003	0.6497	0.0000	1,555.3589	1,555.3589	0.0912	0.0525	1,573.2734
Waste						0.0000	0.0000		0.0000	0.0000	22.3899	0.0000	22.3899	1.3232	0.0000	55.4700
Water						0.0000	0.0000		0.0000	0.0000	0.9979	21.7998	22.7977	4.3500e-003	2.2800e-003	23.5859
<b>Total</b>	<b>1.1811</b>	<b>0.6453</b>	<b>8.5574</b>	<b>0.0172</b>	<b>2.4166</b>	<b>0.0125</b>	<b>2.4291</b>	<b>0.6411</b>	<b>0.0118</b>	<b>0.6529</b>	<b>23.3878</b>	<b>1,873.8568</b>	<b>1,897.2446</b>	<b>1.4302</b>	<b>0.0568</b>	<b>1,949.9367</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	tons/yr										MT/yr					
Area	0.4056	1.5000e-004	0.0168	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0327	0.0327	9.0000e-005	0.0000	0.0349
Energy	4.4700e-003	0.0406	0.0341	2.4000e-004		3.0900e-003	3.0900e-003		3.0900e-003	3.0900e-003	0.0000	296.6653	296.6653	0.0114	2.0900e-003	297.5725

Eastside Neighborhood School, Operation - Riverside-South Coast County, Annual

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

Mobile	0.7711	0.6046	8.5065	0.0169	2.4166	9.3600e-003	2.4259	0.6411	8.6500e-003	0.6497	0.0000	1,555.3589	1,555.3589	0.0912	0.0525	1,573.2734
Waste						0.0000	0.0000		0.0000	0.0000	22.3899	0.0000	22.3899	1.3232	0.0000	55.4700
Water						0.0000	0.0000		0.0000	0.0000	0.7983	19.1680	19.9662	3.5500e-003	1.8300e-003	20.6012
<b>Total</b>	<b>1.1811</b>	<b>0.6453</b>	<b>8.5574</b>	<b>0.0172</b>	<b>2.4166</b>	<b>0.0125</b>	<b>2.4291</b>	<b>0.6411</b>	<b>0.0118</b>	<b>0.6529</b>	<b>23.1882</b>	<b>1,871.2249</b>	<b>1,894.4131</b>	<b>1.4294</b>	<b>0.0564</b>	<b>1,946.9520</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
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.85	0.14	0.15	0.06	0.79	0.15

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.7711	0.6046	8.5065	0.0169	2.4166	9.3600e-003	2.4259	0.6411	8.6500e-003	0.6497	0.0000	1,555.3589	1,555.3589	0.0912	0.0525	1,573.2734
Unmitigated	0.7711	0.6046	8.5065	0.0169	2.4166	9.3600e-003	2.4259	0.6411	8.6500e-003	0.6497	0.0000	1,555.3589	1,555.3589	0.0912	0.0525	1,573.2734

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Elementary School	1,824.00	0.00	0.00	6,475,747	6,475,747
High School	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
<b>Total</b>	<b>1,824.00</b>	<b>0.00</b>	<b>0.00</b>	<b>6,475,747</b>	<b>6,475,747</b>

**4.3 Trip Type Information**



Eastside Neighborhood School, Operation - Riverside-South Coast County, Annual

**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
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	100	0	0
High School	16.60	8.40	6.90	77.80	17.20	5.00	75	19	6
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	100	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Elementary School	0.658702	0.068888	0.211870	0.020000	0.003928	0.001120	0.001933	0.003019	0.000000	0.000000	0.030539	0.000000	0.000000
High School	0.658702	0.068888	0.211870	0.020000	0.003928	0.001120	0.001933	0.003019	0.000000	0.000000	0.030539	0.000000	0.000000
Other Asphalt Surfaces	0.546740	0.057179	0.175858	0.130671	0.023703	0.006761	0.011662	0.018217	0.000605	0.000288	0.022975	0.001086	0.004255
Other Non-Asphalt Surfaces	0.658702	0.068888	0.211870	0.020000	0.003928	0.001120	0.001933	0.003019	0.000000	0.000000	0.030539	0.000000	0.000000
Parking Lot	0.546740	0.057179	0.175858	0.130671	0.023703	0.006761	0.011662	0.018217	0.000605	0.000288	0.022975	0.001086	0.004255

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	252.4737	252.4737	0.0106	1.2800e-003	253.1184
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	252.4737	252.4737	0.0106	1.2800e-003	253.1184
NaturalGas Mitigated	4.4700e-003	0.0406	0.0341	2.4000e-004		3.0900e-003	3.0900e-003		3.0900e-003	3.0900e-003	0.0000	44.1916	44.1916	8.5000e-004	8.1000e-004	44.4542
NaturalGas Unmitigated	4.4700e-003	0.0406	0.0341	2.4000e-004		3.0900e-003	3.0900e-003		3.0900e-003	3.0900e-003	0.0000	44.1916	44.1916	8.5000e-004	8.1000e-004	44.4542

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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					
Elementary School	531385	2.8700e-003	0.0261	0.0219	1.6000e-004		1.9800e-003	1.9800e-003		1.9800e-003	1.9800e-003	0.0000	28.3567	28.3567	5.4000e-004	5.2000e-004	28.5252
High School	296734	1.6000e-003	0.0146	0.0122	9.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	15.8349	15.8349	3.0000e-004	2.9000e-004	15.9290
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>4.4700e-003</b>	<b>0.0406</b>	<b>0.0341</b>	<b>2.5000e-004</b>		<b>3.0900e-003</b>	<b>3.0900e-003</b>		<b>3.0900e-003</b>	<b>3.0900e-003</b>	<b>0.0000</b>	<b>44.1916</b>	<b>44.1916</b>	<b>8.4000e-004</b>	<b>8.1000e-004</b>	<b>44.4542</b>

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

**Mitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Elementary School	531385	2.8700e-003	0.0261	0.0219	1.6000e-004		1.9800e-003	1.9800e-003		1.9800e-003	1.9800e-003	0.0000	28.3567	28.3567	5.4000e-004	5.2000e-004	28.5252
High School	296734	1.6000e-003	0.0146	0.0122	9.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	15.8349	15.8349	3.0000e-004	2.9000e-004	15.9290
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>4.4700e-003</b>	<b>0.0406</b>	<b>0.0341</b>	<b>2.5000e-004</b>		<b>3.0900e-003</b>	<b>3.0900e-003</b>		<b>3.0900e-003</b>	<b>3.0900e-003</b>	<b>0.0000</b>	<b>44.1916</b>	<b>44.1916</b>	<b>8.4000e-004</b>	<b>8.1000e-004</b>	<b>44.4542</b>

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Elementary School	428654	153.5993	6.4200e-003	7.8000e-004	153.9915
High School	257802	92.3779	3.8600e-003	4.7000e-004	92.6138
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	18130	6.4965	2.7000e-004	3.0000e-005	6.5131
<b>Total</b>		<b>252.4737</b>	<b>0.0106</b>	<b>1.2800e-003</b>	<b>253.1184</b>

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

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Elementary School	428654	153.5993	6.4200e-003	7.8000e-004	153.9915
High School	257802	92.3779	3.8600e-003	4.7000e-004	92.6138
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	18130	6.4965	2.7000e-004	3.0000e-005	6.5131
<b>Total</b>		<b>252.4737</b>	<b>0.0106</b>	<b>1.2800e-003</b>	<b>253.1184</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.4056	1.5000e-004	0.0168	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0327	0.0327	9.0000e-005	0.0000	0.0349
Unmitigated	0.4056	1.5000e-004	0.0168	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0327	0.0327	9.0000e-005	0.0000	0.0349

**6.2 Area by SubCategory**

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

**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	0.0442					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3598					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.5500e-003	1.5000e-004	0.0168	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0327	0.0327	9.0000e-005	0.0000	0.0349
<b>Total</b>	<b>0.4056</b>	<b>1.5000e-004</b>	<b>0.0168</b>	<b>0.0000</b>		<b>6.0000e-005</b>	<b>6.0000e-005</b>		<b>6.0000e-005</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>0.0327</b>	<b>0.0327</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>0.0349</b>

**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	0.0442					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3598					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.5500e-003	1.5000e-004	0.0168	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0327	0.0327	9.0000e-005	0.0000	0.0349
<b>Total</b>	<b>0.4056</b>	<b>1.5000e-004</b>	<b>0.0168</b>	<b>0.0000</b>		<b>6.0000e-005</b>	<b>6.0000e-005</b>		<b>6.0000e-005</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>0.0327</b>	<b>0.0327</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>0.0349</b>

**7.0 Water Detail**

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

**7.1 Mitigation Measures Water**

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	19.9662	3.5500e-003	1.8300e-003	20.6012
Unmitigated	22.7977	4.3500e-003	2.2800e-003	23.5859

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Elementary School	1.93939 / 2.17041	18.3755	3.1000e-003	1.5800e-003	18.9243
High School	0.880992 / 0	4.4222	1.2400e-003	7.0000e-004	4.6615

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Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>22.7977</b>	<b>4.3400e-003</b>	<b>2.2800e-003</b>	<b>23.5859</b>

**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Elementary School	1.55151 / 2.17041	16.4285	2.5500e-003	1.2700e-003	16.8720
High School	0.704794 / 0	3.5378	1.0000e-003	5.6000e-004	3.7292
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>19.9662</b>	<b>3.5500e-003</b>	<b>1.8300e-003</b>	<b>20.6012</b>

**8.0 Waste Detail**

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

**8.1 Mitigation Measures Waste**

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	22.3899	1.3232	0.0000	55.4700
Unmitigated	22.3899	1.3232	0.0000	55.4700

**8.2 Waste by Land Use**

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Elementary School	92	18.6752	1.1037	0.0000	46.2669
High School	18.3	3.7147	0.2195	0.0000	9.2031
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>22.3899</b>	<b>1.3232</b>	<b>0.0000</b>	<b>55.4700</b>

Mitigated



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

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Elementary School	92	18.6752	1.1037	0.0000	46.2669
High School	18.3	3.7147	0.2195	0.0000	9.2031
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>22.3899</b>	<b>1.3232</b>	<b>0.0000</b>	<b>55.4700</b>

Eastside Neighborhood School, Operation - Riverside-South Coast County, Summer

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

**Eastside Neighborhood School, Operation  
Riverside-South Coast County, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	800.00	Student	0.80	61,149.00	0
High School	200.00	Student	0.50	32,716.00	0
Parking Lot	51.80	1000sqft	1.19	51,800.00	0
Other Asphalt Surfaces	64.53	1000sqft	1.48	64,532.00	0
Other Non-Asphalt Surfaces	202.58	1000sqft	4.65	202,582.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.4	<b>Precipitation Freq (Days)</b>	28
<b>Climate Zone</b>	10			<b>Operational Year</b>	2028
<b>Utility Company</b>	Riverside Public Utilities/City of Riverside				
<b>CO2 Intensity (lb/MW hr)</b>	789.98	<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 - Based on info. from District, see assumptions file

Construction Phase -

Vehicle Trips - assume 100% primary trips, see assumptions file

Area Coating - see assumptions file

Energy Use - Adjusted CalEEMod energy use to reflect blended historical and new energy rates, see assumptions file

Eastside Neighborhood School, Operation - Riverside-South Coast County, Summer

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

Water And Wastewater - assume 100% aerobic treatment, see water calculations in assumptions file

Solid Waste - See assumptions file for solid waste calculations

Fleet Mix - See fleet mix adjustment in assumptions file

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	19135	3108
tblEnergyUse	LightingElect	3.03	3.52
tblEnergyUse	T24E	2.49	2.87
tblEnergyUse	T24NG	6.90	7.28
tblFleetMix	HHD	0.02	3.0190e-003
tblFleetMix	HHD	0.02	3.0190e-003
tblFleetMix	HHD	0.02	3.0190e-003
tblFleetMix	LDA	0.55	0.66
tblFleetMix	LDA	0.55	0.66
tblFleetMix	LDA	0.55	0.66
tblFleetMix	LDT1	0.06	0.07
tblFleetMix	LDT1	0.06	0.07
tblFleetMix	LDT1	0.06	0.07
tblFleetMix	LDT2	0.18	0.21
tblFleetMix	LDT2	0.18	0.21
tblFleetMix	LDT2	0.18	0.21
tblFleetMix	LHD1	0.02	3.9280e-003
tblFleetMix	LHD1	0.02	3.9280e-003
tblFleetMix	LHD1	0.02	3.9280e-003
tblFleetMix	LHD2	6.7610e-003	1.1200e-003
tblFleetMix	LHD2	6.7610e-003	1.1200e-003
tblFleetMix	LHD2	6.7610e-003	1.1200e-003

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

tblFleetMix	MCY	0.02	0.03
tblFleetMix	MCY	0.02	0.03
tblFleetMix	MCY	0.02	0.03
tblFleetMix	MDV	0.13	0.02
tblFleetMix	MDV	0.13	0.02
tblFleetMix	MDV	0.13	0.02
tblFleetMix	MH	4.2550e-003	0.00
tblFleetMix	MH	4.2550e-003	0.00
tblFleetMix	MH	4.2550e-003	0.00
tblFleetMix	MHD	0.01	1.9330e-003
tblFleetMix	MHD	0.01	1.9330e-003
tblFleetMix	MHD	0.01	1.9330e-003
tblFleetMix	OBUS	6.0500e-004	0.00
tblFleetMix	OBUS	6.0500e-004	0.00
tblFleetMix	OBUS	6.0500e-004	0.00
tblFleetMix	SBUS	1.0860e-003	0.00
tblFleetMix	SBUS	1.0860e-003	0.00
tblFleetMix	SBUS	1.0860e-003	0.00
tblFleetMix	UBUS	2.8800e-004	0.00
tblFleetMix	UBUS	2.8800e-004	0.00
tblFleetMix	UBUS	2.8800e-004	0.00
tblLandUse	LandUseSquareFeet	66,882.70	61,149.00
tblLandUse	LandUseSquareFeet	26,532.20	32,716.00
tblLandUse	LandUseSquareFeet	64,530.00	64,532.00
tblLandUse	LandUseSquareFeet	202,580.00	202,582.00
tblLandUse	LotAcreage	1.54	0.80
tblLandUse	LotAcreage	0.61	0.50

Eastside Neighborhood School, Operation - Riverside-South Coast County, Summer

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

tblSolidWaste	SolidWasteGenerationRate	146.00	92.00
tblSolidWaste	SolidWasteGenerationRate	36.50	18.30
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	PB_TP	12.00	0.00
tblVehicleTrips	PR_TP	63.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	0.58	0.00
tblVehicleTrips	ST_TR	0.00	0.79
tblVehicleTrips	SU_TR	0.25	0.00
tblVehicleTrips	SU_TR	0.00	0.79
tblVehicleTrips	WD_TR	1.89	2.28
tblVehicleTrips	WD_TR	2.03	0.00
tblVehicleTrips	WD_TR	0.00	0.79
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	OutdoorWaterUseRate	4,987,008.00	2,170,411.00
tblWater	OutdoorWaterUseRate	2,265,408.00	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

**2.0 Emissions Summary**

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Eastside Neighborhood School, Operation - Riverside-South Coast County, Summer

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

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.2262	1.2200e-003	0.1343	1.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004		0.2887	0.2887	7.5000e-004		0.3074
Energy	0.0245	0.2224	0.1868	1.3300e-003		0.0169	0.0169		0.0169	0.0169		266.9199	266.9199	5.1200e-003	4.8900e-003	268.5061
Mobile	6.6683	4.2572	71.9058	0.1402	18.9047	0.0721	18.9768	5.0088	0.0666	5.0754		14,186.5162	14,186.5162	0.7651	0.4243	14,332.0687
<b>Total</b>	<b>8.9190</b>	<b>4.4808</b>	<b>72.2269</b>	<b>0.1415</b>	<b>18.9047</b>	<b>0.0894</b>	<b>18.9941</b>	<b>5.0088</b>	<b>0.0840</b>	<b>5.0928</b>		<b>14,453.7248</b>	<b>14,453.7248</b>	<b>0.7710</b>	<b>0.4291</b>	<b>14,600.8821</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	2.2262	1.2200e-003	0.1343	1.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004		0.2887	0.2887	7.5000e-004		0.3074
Energy	0.0245	0.2224	0.1868	1.3300e-003		0.0169	0.0169		0.0169	0.0169		266.9199	266.9199	5.1200e-003	4.8900e-003	268.5061
Mobile	6.6683	4.2572	71.9058	0.1402	18.9047	0.0721	18.9768	5.0088	0.0666	5.0754		14,186.5162	14,186.5162	0.7651	0.4243	14,332.0687
<b>Total</b>	<b>8.9190</b>	<b>4.4808</b>	<b>72.2269</b>	<b>0.1415</b>	<b>18.9047</b>	<b>0.0894</b>	<b>18.9941</b>	<b>5.0088</b>	<b>0.0840</b>	<b>5.0928</b>		<b>14,453.7248</b>	<b>14,453.7248</b>	<b>0.7710</b>	<b>0.4291</b>	<b>14,600.8821</b>

Eastside Neighborhood School, Operation - Riverside-South Coast County, Summer

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

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

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Mitigated	6.6683	4.2572	71.9058	0.1402	18.9047	0.0721	18.9768	5.0088	0.0666	5.0754		14,186.5162	14,186.516	0.7651	0.4243	14,332.068
Unmitigated	6.6683	4.2572	71.9058	0.1402	18.9047	0.0721	18.9768	5.0088	0.0666	5.0754		14,186.5162	14,186.516	0.7651	0.4243	14,332.068

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Elementary School	1,824.00	0.00	0.00	6,475,747	6,475,747
High School	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
<b>Total</b>	<b>1,824.00</b>	<b>0.00</b>	<b>0.00</b>	<b>6,475,747</b>	<b>6,475,747</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
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	100	0	0
High School	16.60	8.40	6.90	77.80	17.20	5.00	75	19	6
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	100	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

Eastside Neighborhood School, Operation - Riverside-South Coast County, Summer

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

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Elementary School	0.658702	0.068888	0.211870	0.020000	0.003928	0.001120	0.001933	0.003019	0.000000	0.000000	0.030539	0.000000	0.000000
High School	0.658702	0.068888	0.211870	0.020000	0.003928	0.001120	0.001933	0.003019	0.000000	0.000000	0.030539	0.000000	0.000000
Other Asphalt Surfaces	0.546740	0.057179	0.175858	0.130671	0.023703	0.006761	0.011662	0.018217	0.000605	0.000288	0.022975	0.001086	0.004255
Other Non-Asphalt Surfaces	0.658702	0.068888	0.211870	0.020000	0.003928	0.001120	0.001933	0.003019	0.000000	0.000000	0.030539	0.000000	0.000000
Parking Lot	0.546740	0.057179	0.175858	0.130671	0.023703	0.006761	0.011662	0.018217	0.000605	0.000288	0.022975	0.001086	0.004255

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0245	0.2224	0.1868	1.3300e-003		0.0169	0.0169		0.0169	0.0169		266.9199	266.9199	5.1200e-003	4.8900e-003	268.5061
NaturalGas Unmitigated	0.0245	0.2224	0.1868	1.3300e-003		0.0169	0.0169		0.0169	0.0169		266.9199	266.9199	5.1200e-003	4.8900e-003	268.5061



Eastside Neighborhood School, Operation - Riverside-South Coast County, Summer

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

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	1455.85	0.0157	0.1427	0.1199	8.6000e-004		0.0109	0.0109		0.0109	0.0109		171.2763	171.2763	3.2800e-003	3.1400e-003	172.2941
High School	812.97	8.7700e-003	0.0797	0.0670	4.8000e-004		6.0600e-003	6.0600e-003		6.0600e-003	6.0600e-003		95.6436	95.6436	1.8300e-003	1.7500e-003	96.2119
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0245</b>	<b>0.2224</b>	<b>0.1868</b>	<b>1.3400e-003</b>		<b>0.0169</b>	<b>0.0169</b>		<b>0.0169</b>	<b>0.0169</b>		<b>266.9199</b>	<b>266.9199</b>	<b>5.1100e-003</b>	<b>4.8900e-003</b>	<b>268.5061</b>

**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					
Elementary School	1.45585	0.0157	0.1427	0.1199	8.6000e-004		0.0109	0.0109		0.0109	0.0109		171.2763	171.2763	3.2800e-003	3.1400e-003	172.2941
High School	0.81297	8.7700e-003	0.0797	0.0670	4.8000e-004		6.0600e-003	6.0600e-003		6.0600e-003	6.0600e-003		95.6436	95.6436	1.8300e-003	1.7500e-003	96.2119
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0245</b>	<b>0.2224</b>	<b>0.1868</b>	<b>1.3400e-003</b>		<b>0.0169</b>	<b>0.0169</b>		<b>0.0169</b>	<b>0.0169</b>		<b>266.9199</b>	<b>266.9199</b>	<b>5.1100e-003</b>	<b>4.8900e-003</b>	<b>268.5061</b>

Eastside Neighborhood School, Operation - Riverside-South Coast County, Summer

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

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.2262	1.2200e-003	0.1343	1.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004		0.2887	0.2887	7.5000e-004		0.3074
Unmitigated	2.2262	1.2200e-003	0.1343	1.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004		0.2887	0.2887	7.5000e-004		0.3074

**6.2 Area by SubCategory**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2423					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.9715					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0124	1.2200e-003	0.1343	1.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004		0.2887	0.2887	7.5000e-004		0.3074
<b>Total</b>	<b>2.2262</b>	<b>1.2200e-003</b>	<b>0.1343</b>	<b>1.0000e-005</b>		<b>4.8000e-004</b>	<b>4.8000e-004</b>		<b>4.8000e-004</b>	<b>4.8000e-004</b>		<b>0.2887</b>	<b>0.2887</b>	<b>7.5000e-004</b>		<b>0.3074</b>

**Mitigated**

Eastside Neighborhood School, Operation - Riverside-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
SubCategory	lb/day										lb/day					
Architectural Coating	0.2423					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.9715					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0124	1.2200e-003	0.1343	1.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004		0.2887	0.2887	7.5000e-004		0.3074
<b>Total</b>	<b>2.2262</b>	<b>1.2200e-003</b>	<b>0.1343</b>	<b>1.0000e-005</b>		<b>4.8000e-004</b>	<b>4.8000e-004</b>		<b>4.8000e-004</b>	<b>4.8000e-004</b>		<b>0.2887</b>	<b>0.2887</b>	<b>7.5000e-004</b>		<b>0.3074</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

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Eastside Neighborhood School, Operation - Riverside-South Coast County, Winter

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

**Eastside Neighborhood School, Operation  
Riverside-South Coast County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	800.00	Student	0.80	61,149.00	0
High School	200.00	Student	0.50	32,716.00	0
Parking Lot	51.80	1000sqft	1.19	51,800.00	0
Other Asphalt Surfaces	64.53	1000sqft	1.48	64,532.00	0
Other Non-Asphalt Surfaces	202.58	1000sqft	4.65	202,582.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.4	<b>Precipitation Freq (Days)</b>	28
<b>Climate Zone</b>	10			<b>Operational Year</b>	2028
<b>Utility Company</b>	Riverside Public Utilities/City of Riverside				
<b>CO2 Intensity (lb/MW hr)</b>	789.98	<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 - Based on info. from District, see assumptions file

Construction Phase -

Vehicle Trips - assume 100% primary trips, see assumptions file

Area Coating - see assumptions file

Energy Use - Adjusted CalEEMod energy use to reflect blended historical and new energy rates, see assumptions file

Eastside Neighborhood School, Operation - Riverside-South Coast County, Winter

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

Water And Wastewater - assume 100% aerobic treatment, see water calculations in assumptions file

Solid Waste - See assumptions file for solid waste calculations

Fleet Mix - See fleet mix adjustment in assumptions file

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	19135	3108
tblEnergyUse	LightingElect	3.03	3.52
tblEnergyUse	T24E	2.49	2.87
tblEnergyUse	T24NG	6.90	7.28
tblFleetMix	HHD	0.02	3.0190e-003
tblFleetMix	HHD	0.02	3.0190e-003
tblFleetMix	HHD	0.02	3.0190e-003
tblFleetMix	LDA	0.55	0.66
tblFleetMix	LDA	0.55	0.66
tblFleetMix	LDA	0.55	0.66
tblFleetMix	LDT1	0.06	0.07
tblFleetMix	LDT1	0.06	0.07
tblFleetMix	LDT1	0.06	0.07
tblFleetMix	LDT2	0.18	0.21
tblFleetMix	LDT2	0.18	0.21
tblFleetMix	LDT2	0.18	0.21
tblFleetMix	LHD1	0.02	3.9280e-003
tblFleetMix	LHD1	0.02	3.9280e-003
tblFleetMix	LHD1	0.02	3.9280e-003
tblFleetMix	LHD2	6.7610e-003	1.1200e-003
tblFleetMix	LHD2	6.7610e-003	1.1200e-003
tblFleetMix	LHD2	6.7610e-003	1.1200e-003

Eastside Neighborhood School, Operation - Riverside-South Coast County, Winter

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

tblFleetMix	MCY	0.02	0.03
tblFleetMix	MCY	0.02	0.03
tblFleetMix	MCY	0.02	0.03
tblFleetMix	MDV	0.13	0.02
tblFleetMix	MDV	0.13	0.02
tblFleetMix	MDV	0.13	0.02
tblFleetMix	MH	4.2550e-003	0.00
tblFleetMix	MH	4.2550e-003	0.00
tblFleetMix	MH	4.2550e-003	0.00
tblFleetMix	MHD	0.01	1.9330e-003
tblFleetMix	MHD	0.01	1.9330e-003
tblFleetMix	MHD	0.01	1.9330e-003
tblFleetMix	OBUS	6.0500e-004	0.00
tblFleetMix	OBUS	6.0500e-004	0.00
tblFleetMix	OBUS	6.0500e-004	0.00
tblFleetMix	SBUS	1.0860e-003	0.00
tblFleetMix	SBUS	1.0860e-003	0.00
tblFleetMix	SBUS	1.0860e-003	0.00
tblFleetMix	UBUS	2.8800e-004	0.00
tblFleetMix	UBUS	2.8800e-004	0.00
tblFleetMix	UBUS	2.8800e-004	0.00
tblLandUse	LandUseSquareFeet	66,882.70	61,149.00
tblLandUse	LandUseSquareFeet	26,532.20	32,716.00
tblLandUse	LandUseSquareFeet	64,530.00	64,532.00
tblLandUse	LandUseSquareFeet	202,580.00	202,582.00
tblLandUse	LotAcreage	1.54	0.80
tblLandUse	LotAcreage	0.61	0.50

Eastside Neighborhood School, Operation - Riverside-South Coast County, Winter

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

tblSolidWaste	SolidWasteGenerationRate	146.00	92.00
tblSolidWaste	SolidWasteGenerationRate	36.50	18.30
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	PB_TP	12.00	0.00
tblVehicleTrips	PR_TP	63.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	0.58	0.00
tblVehicleTrips	ST_TR	0.00	0.79
tblVehicleTrips	SU_TR	0.25	0.00
tblVehicleTrips	SU_TR	0.00	0.79
tblVehicleTrips	WD_TR	1.89	2.28
tblVehicleTrips	WD_TR	2.03	0.00
tblVehicleTrips	WD_TR	0.00	0.79
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	OutdoorWaterUseRate	4,987,008.00	2,170,411.00
tblWater	OutdoorWaterUseRate	2,265,408.00	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

**2.0 Emissions Summary**

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Eastside Neighborhood School, Operation - Riverside-South Coast County, Winter

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

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.2262	1.2200e-003	0.1343	1.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004		0.2887	0.2887	7.5000e-004		0.3074
Energy	0.0245	0.2224	0.1868	1.3300e-003		0.0169	0.0169		0.0169	0.0169		266.9199	266.9199	5.1200e-003	4.8900e-003	268.5061
Mobile	5.8763	4.6003	63.2295	0.1277	18.9047	0.0721	18.9768	5.0088	0.0667	5.0754		12,925.4945	12,925.4945	0.7732	0.4402	13,076.0040
<b>Total</b>	<b>8.1270</b>	<b>4.8239</b>	<b>63.5507</b>	<b>0.1290</b>	<b>18.9047</b>	<b>0.0895</b>	<b>18.9941</b>	<b>5.0088</b>	<b>0.0840</b>	<b>5.0928</b>		<b>13,192.7030</b>	<b>13,192.7030</b>	<b>0.7791</b>	<b>0.4451</b>	<b>13,344.8175</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	2.2262	1.2200e-003	0.1343	1.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004		0.2887	0.2887	7.5000e-004		0.3074
Energy	0.0245	0.2224	0.1868	1.3300e-003		0.0169	0.0169		0.0169	0.0169		266.9199	266.9199	5.1200e-003	4.8900e-003	268.5061
Mobile	5.8763	4.6003	63.2295	0.1277	18.9047	0.0721	18.9768	5.0088	0.0667	5.0754		12,925.4945	12,925.4945	0.7732	0.4402	13,076.0040
<b>Total</b>	<b>8.1270</b>	<b>4.8239</b>	<b>63.5507</b>	<b>0.1290</b>	<b>18.9047</b>	<b>0.0895</b>	<b>18.9941</b>	<b>5.0088</b>	<b>0.0840</b>	<b>5.0928</b>		<b>13,192.7030</b>	<b>13,192.7030</b>	<b>0.7791</b>	<b>0.4451</b>	<b>13,344.8175</b>



Eastside Neighborhood School, Operation - Riverside-South Coast County, Winter

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

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

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Mitigated	5.8763	4.6003	63.2295	0.1277	18.9047	0.0721	18.9768	5.0088	0.0667	5.0754		12,925.4945	12,925.494	0.7732	0.4402	13,076.004
Unmitigated	5.8763	4.6003	63.2295	0.1277	18.9047	0.0721	18.9768	5.0088	0.0667	5.0754		12,925.4945	12,925.494	0.7732	0.4402	13,076.004

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Elementary School	1,824.00	0.00	0.00	6,475,747	6,475,747
High School	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
<b>Total</b>	<b>1,824.00</b>	<b>0.00</b>	<b>0.00</b>	<b>6,475,747</b>	<b>6,475,747</b>

Eastside Neighborhood School, Operation - Riverside-South Coast County, Winter

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

**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
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	100	0	0
High School	16.60	8.40	6.90	77.80	17.20	5.00	75	19	6
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	100	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Elementary School	0.658702	0.068888	0.211870	0.020000	0.003928	0.001120	0.001933	0.003019	0.000000	0.000000	0.030539	0.000000	0.000000
High School	0.658702	0.068888	0.211870	0.020000	0.003928	0.001120	0.001933	0.003019	0.000000	0.000000	0.030539	0.000000	0.000000
Other Asphalt Surfaces	0.546740	0.057179	0.175858	0.130671	0.023703	0.006761	0.011662	0.018217	0.000605	0.000288	0.022975	0.001086	0.004255
Other Non-Asphalt Surfaces	0.658702	0.068888	0.211870	0.020000	0.003928	0.001120	0.001933	0.003019	0.000000	0.000000	0.030539	0.000000	0.000000
Parking Lot	0.546740	0.057179	0.175858	0.130671	0.023703	0.006761	0.011662	0.018217	0.000605	0.000288	0.022975	0.001086	0.004255

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.0245	0.2224	0.1868	1.3300e-003		0.0169	0.0169		0.0169	0.0169		266.9199	266.9199	5.1200e-003	4.8900e-003	268.5061
NaturalGas Unmitigated	0.0245	0.2224	0.1868	1.3300e-003		0.0169	0.0169		0.0169	0.0169		266.9199	266.9199	5.1200e-003	4.8900e-003	268.5061

Eastside Neighborhood School, Operation - Riverside-South Coast County, Winter

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

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	1455.85	0.0157	0.1427	0.1199	8.6000e-004		0.0109	0.0109		0.0109	0.0109		171.2763	171.2763	3.2800e-003	3.1400e-003	172.2941
High School	812.97	8.7700e-003	0.0797	0.0670	4.8000e-004		6.0600e-003	6.0600e-003		6.0600e-003	6.0600e-003		95.6436	95.6436	1.8300e-003	1.7500e-003	96.2119
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0245</b>	<b>0.2224</b>	<b>0.1868</b>	<b>1.3400e-003</b>		<b>0.0169</b>	<b>0.0169</b>		<b>0.0169</b>	<b>0.0169</b>		<b>266.9199</b>	<b>266.9199</b>	<b>5.1100e-003</b>	<b>4.8900e-003</b>	<b>268.5061</b>

**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					
Elementary School	1.45585	0.0157	0.1427	0.1199	8.6000e-004		0.0109	0.0109		0.0109	0.0109		171.2763	171.2763	3.2800e-003	3.1400e-003	172.2941
High School	0.81297	8.7700e-003	0.0797	0.0670	4.8000e-004		6.0600e-003	6.0600e-003		6.0600e-003	6.0600e-003		95.6436	95.6436	1.8300e-003	1.7500e-003	96.2119
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0245</b>	<b>0.2224</b>	<b>0.1868</b>	<b>1.3400e-003</b>		<b>0.0169</b>	<b>0.0169</b>		<b>0.0169</b>	<b>0.0169</b>		<b>266.9199</b>	<b>266.9199</b>	<b>5.1100e-003</b>	<b>4.8900e-003</b>	<b>268.5061</b>

Eastside Neighborhood School, Operation - Riverside-South Coast County, Winter

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

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.2262	1.2200e-003	0.1343	1.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004		0.2887	0.2887	7.5000e-004		0.3074
Unmitigated	2.2262	1.2200e-003	0.1343	1.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004		0.2887	0.2887	7.5000e-004		0.3074

**6.2 Area by SubCategory**

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2423					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.9715					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0124	1.2200e-003	0.1343	1.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004		0.2887	0.2887	7.5000e-004		0.3074
<b>Total</b>	<b>2.2262</b>	<b>1.2200e-003</b>	<b>0.1343</b>	<b>1.0000e-005</b>		<b>4.8000e-004</b>	<b>4.8000e-004</b>		<b>4.8000e-004</b>	<b>4.8000e-004</b>		<b>0.2887</b>	<b>0.2887</b>	<b>7.5000e-004</b>		<b>0.3074</b>

Eastside Neighborhood School, Operation - Riverside-South Coast County, Winter

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

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2423					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.9715					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0124	1.2200e-003	0.1343	1.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004		0.2887	0.2887	7.5000e-004		0.3074
<b>Total</b>	<b>2.2262</b>	<b>1.2200e-003</b>	<b>0.1343</b>	<b>1.0000e-005</b>		<b>4.8000e-004</b>	<b>4.8000e-004</b>		<b>4.8000e-004</b>	<b>4.8000e-004</b>		<b>0.2887</b>	<b>0.2887</b>	<b>7.5000e-004</b>		<b>0.3074</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

# **LST Worksheets**

**Construction Localized Significance Thresholds: Building and Asphalt Demolition**

SRA No.	Acres	NOx & CO		PM10 & PM2.5		Construction / Project Site Size (Acres)
		Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	
23	1.00	25	82	25	82	8.37
<b>Source Receptor Distance (meters)</b>	<b>Metropolitan Riverside Cour</b>	<b>Equipment</b>	<b>Acres/8-hr Day</b>	<b>Daily hours</b>	<b>Equipment Used</b>	<b>Acres</b>
25		Tractors	0.5			0
NOx 118		Graders	0.5			0
CO 602		Dozers	0.5	8	2	1
PM10 4.00		Scrapers	1			0
PM2.5 3.00						1.00
					<b>Acres</b>	
	Acres	<b>25</b>	<b>50</b>	<b>100</b>	<b>200</b>	<b>500</b>
NOx	1	118	148	212	335	652
	1	118	148	212	335	652
		118	148	212	335	652
CO	1	602	887	1746	4359	17640
	1	602	887	1746	4359	17640
		602	887	1746	4359	17640
PM10	1	4	12	30	67	178
	1	4	12	30	67	178
		4	12	30	67	178
PM2.5	1	3	4	8	20	86
	1	3	4	8	20	86
		3	4	8	20	86
Metropolitan Riverside County						
<b>1.00 Acres</b>						
	<b>25</b>	<b>50</b>	<b>100</b>	<b>200</b>	<b>500</b>	
NOx	118	148	212	335	652	
CO	602	887	1746	4359	17640	
PM10	4	12	30	67	178	
PM2.5	3	4	8	20	86	

Acre Below		Acre Above	
SRA No.	Acres	SRA No.	Acres
23	1	23	1
<b>Distance Increment Below</b>			
25			
<b>Distance Increment Above</b>			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

**Construction Localized Significance Thresholds: Site Preparation**

SRA No.	Acres	NOx & CO		PM10 & PM2.5		Construction / Project Site Size (Acres)
		Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	
23	3.50	25	82	25	82	8.37
<b>Source Receptor Distance (meters)</b>	<b>Metropolitan Riverside Cour</b>	<b>Equipment</b>	<b>Acres/8-hr Day</b>	<b>Daily hours</b>	<b>Equipment Used</b>	<b>Acres</b>
25		Tractors	0.5	8	4	2
<b>NOx</b>	<b>220</b>	Graders	0.5			0
<b>CO</b>	<b>1,230</b>	Dozers	0.5	8	3	1.5
<b>PM10</b>	<b>9.99</b>	Scrapers	1			0
<b>PM2.5</b>	<b>6.00</b>				<b>Acres</b>	<b>3.50</b>
	<b>Acres</b>	<b>25</b>	<b>50</b>	<b>100</b>	<b>200</b>	<b>500</b>
NOx	3	203	234	302	415	716
	4	237	268	340	452	748
		220	251	321	434	732
CO	3	1114	1567	2634	4711	20141
	4	1346	1873	3035	4285	21336
		1230	1720	2835	4498	20739
PM10	3	9	27	45	82	193
	4	11	33	52	89	200
		10	30	49	86	197
PM2.5	3	5	7	12	26	96
	4	7	9	14	28	100
		6	8	13	27	98
Metropolitan Riverside County						
	<b>3.50 Acres</b>					
	<b>25</b>	<b>50</b>	<b>100</b>	<b>200</b>	<b>500</b>	
NOx	220	251	321	434	732	
CO	1230	1720	2835	4498	20739	
PM10	10	30	49	86	197	
PM2.5	6	8	13	27	98	

Acre Below		Acre Above	
SRA No.	Acres	SRA No.	Acres
23	3	23	4
<b>Distance Increment Below</b>			
25			
<b>Distance Increment Above</b>			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008



**Construction Localized Significance Thresholds: Rough Grading**

SRA No.	Acres	NOx & CO		PM10 & PM2.5		Construction / Project Site Size (Acres)
		Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	
23	2.50	25	82	25	82	8.37

Source Receptor Distance (meters)	Metropolitan Riverside County	Cour Equipment	Acres/8-hr Day	Daily hours	Equipment Used	Acres
25		Tractors	0.5	8	3	1.5
NOx	187	Graders	0.5	8	1	0.5
CO	999	Dozers	0.5	8	1	0.5
PM10	8.00	Scrapers	1			0
PM2.5	4.67				Acres	2.50

	Acres	25	50	100	200	500
NOx	2	170	200	264	379	684
	3	203	234	302	415	716
		187	217	283	397	700
CO	2	883	1262	2232	5136	18947
	3	1114	1567	2634	4711	20141
		999	1415	2433	4923	19544
PM10	2	7	20	38	75	186
	3	9	27	45	82	193
		8	23	42	79	190
PM2.5	2	4	6	10	23	91
	3	5	7	12	26	96
		5	7	11	24	93

Metropolitan Riverside County						
2.50 Acres						
	25	50	100	200	500	
NOx	187	217	283	397	700	
CO	999	1415	2433	4923	19544	
PM10	8	23	42	79	190	
PM2.5	5	7	11	24	93	

Acre Below		Acre Above	
SRA No.	Acres	SRA No.	Acres
23	2	23	3
<b>Distance Increment Below</b>			
25			
<b>Distance Increment Above</b>			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

**Construction Localized Significance Thresholds: Utility Trenching**

SRA No.	Acres	NOx & CO		PM10 & PM2.5		Construction / Project Site Size (Acres)
		Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	
23	1.00	25	82	25	82	8.37
<b>Source Receptor Distance (meters)</b>	<b>Metropolitan Riverside Cour</b>	<b>Equipment</b>	<b>Acres/8-hr Day</b>	<b>Daily hours</b>	<b>Equipment Used</b>	<b>Acres</b>
25		Tractors	0.5	8	2	1
NOx 118		Graders	0.5			0
CO 602		Dozers	0.5			0
PM10 4.00		Scrapers	1			0
PM2.5 3.00						1.00
	<b>Acres</b>	<b>25</b>	<b>50</b>	<b>100</b>	<b>200</b>	<b>500</b>
NOx	1	118	148	212	335	652
	1	118	148	212	335	652
		118	148	212	335	652
CO	1	602	887	1746	4359	17640
	1	602	887	1746	4359	17640
		602	887	1746	4359	17640
PM10	1	4	12	30	67	178
	1	4	12	30	67	178
		4	12	30	67	178
PM2.5	1	3	4	8	20	86
	1	3	4	8	20	86
		3	4	8	20	86
Metropolitan Riverside County						
<b>1.00 Acres</b>						
	<b>25</b>	<b>50</b>	<b>100</b>	<b>200</b>	<b>500</b>	
NOx	118	148	212	335	652	
CO	602	887	1746	4359	17640	
PM10	4	12	30	67	178	
PM2.5	3	4	8	20	86	

Acre Below		Acre Above	
SRA No.	Acres	SRA No.	Acres
23	1	23	1
<b>Distance Increment Below</b>			
25			
<b>Distance Increment Above</b>			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

**Construction Localized Significance Thresholds: Fine Grading**

SRA No.	Acres	NOx & CO		PM10 & PM2.5		Construction / Project Site Size (Acres)
		Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	
23	2.50	25	82	25	82	8.37

Source Receptor Distance (meters)	Metropolitan Riverside Cour	Equipment	Acres/8-hr Day	Daily hours	Equipment Used	Acres
25		Tractors	0.5	8	3	1.5
NOx	187	Graders	0.5	8	1	0.5
CO	999	Dozers	0.5	8	1	0.5
PM10	8.00	Scrapers	1			0
PM2.5	4.67				Acres	2.50

	Acres	25	50	100	200	500
NOx	2	170	200	264	379	684
	3	203	234	302	415	716
		187	217	283	397	700
CO	2	883	1262	2232	5136	18947
	3	1114	1567	2634	4711	20141
		999	1415	2433	4923	19544
PM10	2	7	20	38	75	186
	3	9	27	45	82	193
		8	23	42	79	190
PM2.5	2	4	6	10	23	91
	3	5	7	12	26	96
		5	7	11	24	93
Metropolitan Riverside County						
	<b>2.50 Acres</b>					
	25	50	100	200	500	
NOx	187	217	283	397	700	
CO	999	1415	2433	4923	19544	
PM10	8	23	42	79	190	
PM2.5	5	7	11	24	93	

Acre Below		Acre Above	
SRA No.	Acres	SRA No.	Acres
23	2	23	3
<b>Distance Increment Below</b>			
25			
<b>Distance Increment Above</b>			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

**Construction Localized Significance Thresholds: Building Construction**

SRA No.	Acres	NOx & CO		PM10 & PM2.5		Construction / Project Site Size (Acres)	
		Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Source Receptor Distance (meters)	Source Receptor Distance (Feet)		
23	1.31	25	82	25	82	8.37	
<b>Source Receptor Distance (meters)</b>	<b>Metropolitan Riverside Cour</b>	<b>Equipment</b>	<b>Acres/8-hr Day</b>	<b>Daily hours</b>	<b>Equipment Used</b>	<b>Acres</b>	
25		Tractors	0.5	7	3	1.3125	
<b>NOx</b>	<b>134</b>	Graders	0.5			0	
<b>CO</b>	<b>690</b>	Dozers	0.5			0	
<b>PM10</b>	<b>4.94</b>	Scrapers	1			0	
<b>PM2.5</b>	<b>3.31</b>				<b>Acres</b>	1.31	
	<b>Acres</b>	<b>25</b>	<b>50</b>		<b>100</b>	<b>200</b>	<b>500</b>
NOx	1	118	148		212	335	652
	2	170	200		264	379	684
		134	164		228	349	662
CO	1	602	887		1746	4359	17640
	2	883	1262		2232	5136	18947
		690	1004		1898	4602	18048
PM10	1	4	12		30	67	178
	2	7	20		38	75	186
		5	15		33	70	181
PM2.5	1	3	4		8	20	86
	2	4	6		10	23	91
		3	5		9	21	88
Metropolitan Riverside County	<b>1.31 Acres</b>						
	<b>25</b>	<b>50</b>	<b>100</b>		<b>200</b>	<b>500</b>	
NOx	134	164	228		349	662	
CO	690	1004	1898		4602	18048	
PM10	5	15	33		70	181	
PM2.5	3	5	9		21	88	

Acre Below		Acre Above	
SRA No.	Acres	SRA No.	Acres
23	1	23	2
<b>Distance Increment Below</b>			
25			
<b>Distance Increment Above</b>			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

## Construction Localized Significance Thresholds: Building Construction 2028 and Architectural Coating

SRA No.	Acres	NOx & CO		PM10 & PM2.5		Construction / Project Site Size (Acres)
		Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	
23	1.31	25	82	25	82	8.37

Source Receptor Distance (meters)	Metropolitan Riverside Cour	Equipment	Acres/8-hr Day	Daily hours	Equipment Used	Acres
25		Tractors	0.5	7	3	1.3125
<b>NOx</b>	<b>134</b>	Graders	0.5			0
<b>CO</b>	<b>690</b>	Dozers	0.5			0
<b>PM10</b>	<b>4.94</b>	Scrapers	1			0
<b>PM2.5</b>	<b>3.31</b>				<b>Acres</b>	1.31

	Acres	25	50	100	200	500
NOx	1	118	148	212	335	652
	2	170	200	264	379	684
CO	1	134	164	228	349	662
	2	602	887	1746	4359	17640
PM10	1	883	1262	2232	5136	18947
	2	690	1004	1898	4602	18048
PM2.5	1	4	12	30	67	178
	2	7	20	38	75	186
		5	15	33	70	181
		3	4	8	20	86
		4	6	10	23	91
		3	5	9	21	88

Metropolitan Riverside County						
<b>1.31 Acres</b>						
	25	50	100	200	500	
NOx	134	164	228	349	662	
CO	690	1004	1898	4602	18048	
PM10	5	15	33	70	181	
PM2.5	3	5	9	21	88	

Acre Below		Acre Above	
SRA No.	Acres	SRA No.	Acres
23	1	23	2
<b>Distance Increment Below</b>			
25			
<b>Distance Increment Above</b>			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

## Construction Localized Significance Thresholds: Building Construction 2028, Architectural Coating, and Asphalt Paving

SRA No.	Acres	NOx & CO		PM10 & PM2.5		Construction / Project Site Size (Acres)	
		Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Source Receptor Distance (meters)	Source Receptor Distance (Feet)		
23	1.31	25	82	25	82	8.37	
<b>Source Receptor Distance (meters)</b>	<b>Metropolitan Riverside Cour</b>	<b>Equipment</b>	<b>Acres/8-hr Day</b>	<b>Daily hours</b>	<b>Equipment Used</b>	<b>Acres</b>	
	25	Tractors	0.5	0.0625	7	3	1.3125
<b>NOx</b>	<b>134</b>	Graders	0.5	0.0625			0
<b>CO</b>	<b>690</b>	Dozers	0.5	0.0625			0
<b>PM10</b>	<b>4.94</b>	Scrapers	1	0.125			0
<b>PM2.5</b>	<b>3.31</b>					<b>Acres</b>	<b>1.31</b>
	<b>Acres</b>	<b>25</b>	<b>50</b>	<b>100</b>	<b>200</b>	<b>500</b>	
NOx	1	118	148	212	335	652	
	2	170	200	264	379	684	
CO	1	134	164	228	349	662	
	2	602	887	1746	4359	17640	
PM10	1	883	1262	2232	5136	18947	
	2	690	1004	1898	4602	18048	
PM2.5	1	4	12	30	67	178	
	2	7	20	38	75	186	
		5	15	33	70	181	
PM2.5	1	3	4	8	20	86	
	2	4	6	10	23	91	
		3	5	9	21	88	
Metropolitan Riverside County							
	<b>1.31 Acres</b>						
	<b>25</b>	<b>50</b>	<b>100</b>	<b>200</b>	<b>500</b>		
NOx	134	164	228	349	662		
CO	690	1004	1898	4602	18048		
PM10	5	15	33	70	181		
PM2.5	3	5	9	21	88		

Acre Below		Acre Above	
SRA No.	Acres	SRA No.	Acres
23	1	23	2
<b>Distance Increment Below</b>			
25			
<b>Distance Increment Above</b>			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

**Construction Localized Significance Thresholds: Finishing/Landscaping**

SRA No.	Acres	NOx & CO		PM10 & PM2.5		Construction / Project Site Size (Acres)
		Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	
23	0.50	25	82	25	82	8.37

Source Receptor Distance (meters)	Metropolitan Riverside County	Cour Equipment	Acres/8-hr Day	Daily hours	Equipment Used	Acres
25		Tractors	0.5	8	1	0.5
NOx	118	Graders	0.5			0
CO	602	Dozers	0.5			0
PM10	4.00	Scrapers	1			0
PM2.5	3.00					0.50

	Acres	25	50	100	200	500
NOx	1	118	148	212	335	652
	1	118	148	212	335	652
	1	118	148	212	335	652
CO	1	602	887	1746	4359	17640
	1	602	887	1746	4359	17640
	1	602	887	1746	4359	17640
PM10	1	4	12	30	67	178
	1	4	12	30	67	178
	1	4	12	30	67	178
PM2.5	1	3	4	8	20	86
	1	3	4	8	20	86
	1	3	4	8	20	86
Metropolitan Riverside County						
<b>0.50 Acres</b>						
	25	50	100	200	500	
NOx	118	148	212	335	652	
CO	602	887	1746	4359	17640	
PM10	4	12	30	67	178	
PM2.5	3	4	8	20	86	

Acre Below		Acre Above	
SRA No.	Acres	SRA No.	Acres
23	1	23	1
<b>Distance Increment Below</b>			
25			
<b>Distance Increment Above</b>			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

# Energy Calculations



Existing Conditions (Year 2022) - Vehicle Fuel Usage

Vehicle type	Land Use		Land Use		Land Use		TOTAL VMT
	Fleet percent	VMT	Fleet percent	VMT	Fleet percent	VMT	
	Automobile Care Center	Automobile Care Center	High School	High School	Single Family Housing	Single Family Housing	
LDA	54.67%	516,879	65.87%	956,593	65.87%	253,515	1,726,987
LDT1	5.72%	54,056	6.89%	100,042	6.89%	26,513	180,611
LDT2	17.59%	166,253	21.19%	307,686	21.19%	81,542	555,482
MDV	13.07%	123,534	2.00%	29,045	2.00%	7,697	160,276
LHD1	2.37%	22,408	0.39%	5,704	0.39%	1,512	29,625
LHD2	0.68%	6,392	0.11%	1,627	0.11%	431	8,449
MHD	1.17%	11,025	0.19%	2,807	0.19%	744	14,576
HHD	1.82%	17,222	0.30%	4,384	0.30%	1,162	22,768
OBUS	0.06%	572	0.00%	0	0.00%	0	572
UBUS	0.03%	272	0.00%	0	0.00%	0	272
MCY	2.30%	21,720	3.05%	44,350	3.05%	11,754	77,824
SBUS	0.11%	1,027	0.00%	0	0.00%	0	1,027
MH	0.43%	4,023	0.00%	0	0.00%	0	4,023
	100.00%	945,384	100.00%	1,452,239	100.00%	384,870	2,782,493

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
Automobile Care Center	240.02	240.02	240.02	945,384	945,384
High School	379.85	0.00	0.00	1,452,239	1,452,239
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Single Family Housing	99.99	99.99	99.99	384,870	384,870
Total	719.86	340.01	340.01	2,782,493	2,782,493

EXISTING YEAR 2022 CONDITIONS

Vehicle type	Gas percent	Diesel percent	CNG percent	Electricity percent
LDA	95.92%	0.29%	0.00%	3.78%
LDT1	99.87%	0.03%	0.00%	0.11%
LDT2	99.17%	0.31%	0.00%	0.52%
MDV	97.86%	1.61%	0.00%	0.54%
LHD1	53.27%	46.73%	0.00%	0.00%
LHD2	26.12%	73.88%	0.00%	0.00%
MHD	8.22%	90.67%	1.11%	0.00%
HHD	0.03%	97.05%	2.92%	0.00%
OBUS	45.09%	47.78%	7.13%	0.00%
UBUS	37.30%	0.06%	62.63%	0.01%
MCY	100.00%	0.00%	0.00%	0.00%
SBUS	43.47%	28.89%	27.64%	0.00%
MH	72.09%	27.91%	0.00%	0.00%

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.546740	0.057179	0.175858	0.130671	0.023703	0.006761	0.011662	0.018217	0.000605	0.000288	0.022975	0.001086	0.004255
High School	0.658702	0.068888	0.211870	0.020000	0.003928	0.001120	0.001933	0.003019	0.000000	0.000000	0.030539	0.000000	0.000000
Other Asphalt Surfaces	0.546740	0.057179	0.175858	0.130671	0.023703	0.006761	0.011662	0.018217	0.000605	0.000288	0.022975	0.001086	0.004255
Other Non-Asphalt Surfaces	0.546740	0.057179	0.175858	0.130671	0.023703	0.006761	0.011662	0.018217	0.000605	0.000288	0.022975	0.001086	0.004255
Parking Lot	0.546740	0.057179	0.175858	0.130671	0.023703	0.006761	0.011662	0.018217	0.000605	0.000288	0.022975	0.001086	0.004255
Single Family Housing	0.658702	0.068888	0.211870	0.020000	0.003928	0.001120	0.001933	0.003019	0.000000	0.000000	0.030539	0.000000	0.000000

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<< Motor coach, all other buses, and OBUS (<https://www.arb.ca.gov/msei/downloads/emfac2014/emfac2014-vol3-technical-documentation-052015.pdf>)

EXISTING YEAR 2022 CONDITIONS

Vehicle type	VMT	Gasoline		Diesel		CNG		Electricity		
		mpg	Gallons	mpg	Gallons	mpg	Gallons	m/kWh	kWh	
LDA	1,656,554	28.64	57,839	5.077	42.32	120	0	65,356	2.78	23,523
LDT1	180,369	23.71	7,607	50	24.50	2	0	192	2.79	69
LDT2	550,855	23.08	23,863	1,719	31.52	55	0	2,908	2.99	974
MDV	156,840	18.69	8,391	2,577	23.07	112	0	859	2.91	295
LHD1	15,782	12.81	1,232	13,843	20.41	678	0	0	0.00	0
LHD2	2,207	11.63	190	6,242	16.89	370	0	0	0.00	0
MHD	1,198	5.06	237	13,216	8.93	1,481	162	8.78	18	0
HHD	6	3.64	2	22,097	6.02	3,669	666	5.90	113	0
OBUS	258	5.01	52	273	8.29	33	41	9.72	4	0
UBUS	102	5.63	18	0	11.26	0	171	3.96	43	0
MCY	77,824	41.42	1,879	0	0.00	0	0	0	0.00	0
SBUS	446	8.70	51	297	7.31	41	284	4.12	69	0
MH	2,900	4.88	594	1,123	10.37	108	0	0.00	0	0
	2,645,339		101,953	66,514		6,667	1,323	247	69,314	24,861

Vehicle type	Land Use	
	Fleet percent	VMT
	Elementary School	Elementary School
LDA	65.87%	4,265,588
LDT1	6.89%	446,101
LDT2	21.19%	1,372,017
MDV	2.00%	129,515
LHD1	0.39%	25,437
LHD2	0.11%	7,253
MHD	0.19%	12,518
HHD	0.30%	19,550
OBUS	0.00%	0
UBUS	0.00%	0
MCY	3.05%	197,763
SBUS	0.00%	0
MH	0.00%	0
	100.00%	6,475,747

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
Elementary School	1,824.00	0.00	0.00	6,475,747	6,475,747
High School	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
<b>Total</b>	<b>1,824.00</b>	<b>0.00</b>	<b>0.00</b>	<b>6,475,747</b>	<b>6,475,747</b>

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Elementary School	0.658702	0.068888	0.211870	0.020000	0.003928	0.001120	0.001933	0.003019	0.000000	0.000000	0.030539	0.000000	0.000000
High School	0.546740	0.057179	0.175858	0.130671	0.023703	0.006761	0.011662	0.018217	0.000605	0.000288	0.022975	0.001086	0.004255
Other Asphalt Surfaces	0.546740	0.057179	0.175858	0.130671	0.023703	0.006761	0.011662	0.018217	0.000605	0.000288	0.022975	0.001086	0.004255
Other Non-Asphalt Surfaces	0.658702	0.068888	0.211870	0.020000	0.003928	0.001120	0.001933	0.003019	0.000000	0.000000	0.030539	0.000000	0.000000
Parking Lot	0.546740	0.057179	0.175858	0.130671	0.023703	0.006761	0.011662	0.018217	0.000605	0.000288	0.022975	0.001086	0.004255

PROPOSED CONDITIONS

Vehicle type	Gas percent	Diesel percent	CNG percent	Electricity percent
LDA	91.07%	0.17%	0.00%	8.77%
LDT1	99.01%	0.01%	0.00%	0.98%
LDT2	97.74%	0.35%	0.00%	1.92%
MDV	96.19%	1.37%	0.00%	2.44%
LHD1	53.08%	42.89%	0.00%	4.03%
LHD2	25.23%	71.25%	0.00%	3.52%
MHD	7.26%	86.84%	1.31%	4.59%
HHD	0.01%	95.01%	2.68%	2.35%
OBUS	37.14%	53.16%	8.51%	1.89%
UBUS	33.54%	0.00%	48.70%	17.76%
MCY	100.00%	0.00%	0.00%	0.00%
SBUS	44.45%	23.34%	30.54%	1.67%
MH	67.37%	32.63%	0.00%	0.00%

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<< Motor coach, all other buses, and OBUS (<https://www.arb.ca.gov/msei/downloads/emfac2014/emfac2014-vol3-technical-documentation-052015.pdf>)

PROPOSED CONDITIONS

Vehicle type	VMT	Gasoline		Diesel		CNG		Electricity		
		mpg	Gallons	mpg	Gallons	mpg	Gallons	m/kWh	kWh	
LDA	3,884,477	32.05	121,219	44.65	158	0.00	0	374,047	2.72	137,477
LDT1	441,683	26.50	16,666	26.02	1	0.00	0	4,385	2.81	1,560
LDT2	1,340,947	26.68	50,251	35.69	133	0.00	0	26,334	2.87	9,166
MDV	124,576	21.33	5,840	17.75	70	0.00	0	3,164	2.79	1,135
LHD1	13,503	14.86	909	10,910	522	0.00	0	1,024	1.77	0
LHD2	1,830	13.05	140	5,168	295	0.00	0	255	1.77	0
MHD	908	5.46	166	10,870	9.11	1,193	164	574	0.00	0
HHD	2	4.12	0	18,575	6.48	2,865	524	459	0.56	0
OBUS	0	5.36	0	0	8.60	0	10.32	0	0.00	0
UBUS	0	6.01	0	0	0.00	0	4.53	0	0.50	0
MCY	197,763	42.30	4,675	0	0.00	0	0.00	0	0.00	0
SBUS	0	8.82	0	0	7.39	0	4.24	0	0.86	0
MH	0	4.89	0	0	10.35	0	0.00	0	0.00	0
	<b>6,005,688</b>		<b>199,867</b>	<b>59,133</b>	<b>5,238</b>	<b>688</b>	<b>102</b>	<b>410,242</b>		<b>149,338</b>





Riverside (SC)	2022 T7 SWCV Class 8	Aggregate	Aggregate	Natural Gas	107.1136921	6916.214278	6916.214278	0	492.7229836	1.093234859	0
Riverside (SC)	2022 T7 Tractor Class 8	Aggregate	Aggregate	Diesel	3484.366211	293986.3387	293986.3387	0	50627.84104	48.00521045	0
Riverside (SC)	2022 T7 Tractor Class 8	Aggregate	Aggregate	Natural Gas	100.2232138	8932.668917	8932.668917	0	1456.243296	1.558016112	0
Riverside (SC)	2022 T7 Utility Class 8	Aggregate	Aggregate	Diesel	122.0639471	5764.49061	5764.49061	0	1562.418522	0.944660964	0
Riverside (SC)	2022 T7IS	Aggregate	Aggregate	Gasoline	11.42454799	458.2183696	458.2183696	0	228.5823563	0.125747584	0
Riverside (SC)	2022 UBUS	Aggregate	Aggregate	Gasoline	145.6342999	18438.99521	18438.99521	0	582.5371996	3.273571136	0
Riverside (SC)	2022 UBUS	Aggregate	Aggregate	Diesel	0.3117338	30.10971099	30.10971099	0	1.246935201	0.002674589	0
Riverside (SC)	2022 UBUS	Aggregate	Aggregate	Electricity	0.030745281	2.969621933	0	2.969621933	0.122981125	0	6.001613347
Riverside (SC)	2022 UBUS	Aggregate	Aggregate	Natural Gas	251.1674351	30959.38921	30959.38921	0	1004.66974	7.816959096	0





Riverside (SC)	2026 T6 Public Class 7	Aggregate	Aggregate	Natural Gas	33.29015071	1747.345252	1747.345252	0	170.7784731	0.195691599	0
Riverside (SC)	2026 T6 Utility Class 5	Aggregate	Aggregate	Diesel	181.3701616	7329.174556	7329.174556	0	2321.538069	0.78337598	0
Riverside (SC)	2026 T6 Utility Class 5	Aggregate	Aggregate	Electricity	5.35386032	232.2985485	0	232.2985485	68.5294121	0	245.1892613
Riverside (SC)	2026 T6 Utility Class 5	Aggregate	Aggregate	Natural Gas	1.059706736	42.27734961	42.27734961	0	13.56424622	0.004527987	0
Riverside (SC)	2026 T6 Utility Class 6	Aggregate	Aggregate	Diesel	34.26197075	1379.976087	1379.976087	0	438.5532256	0.146932072	0
Riverside (SC)	2026 T6 Utility Class 6	Aggregate	Aggregate	Electricity	1.021986247	44.3442794	0	44.3442794	13.08142397	0	46.80503249
Riverside (SC)	2026 T6 Utility Class 6	Aggregate	Aggregate	Natural Gas	0.327680207	12.63454942	12.63454942	0	4.19430665	0.001359618	0
Riverside (SC)	2026 T6 Utility Class 7	Aggregate	Aggregate	Diesel	38.39365749	1910.063659	1910.063659	0	491.4388159	0.202079776	0
Riverside (SC)	2026 T6 Utility Class 7	Aggregate	Aggregate	Electricity	1.165098857	70.8264169	0	70.8264169	14.91326537	0	74.75671696
Riverside (SC)	2026 T6 Utility Class 7	Aggregate	Aggregate	Natural Gas	0.420184155	18.39153544	18.39153544	0	5.378357186	0.001951126	0
Riverside (SC)	2026 T6TS	Aggregate	Aggregate	Gasoline	1204.155669	49534.83957	49534.83957	0	24092.74663	9.263997368	0
Riverside (SC)	2026 T6TS	Aggregate	Aggregate	Electricity	17.60952272	1206.057194	0	1206.057194	352.3313306	0	1270.037785
Riverside (SC)	2026 T7 CAIRP Class 8	Aggregate	Aggregate	Diesel	1900.327832	393302.9697	393302.9697	0	43669.53357	61.60068373	0
Riverside (SC)	2026 T7 CAIRP Class 8	Aggregate	Aggregate	Electricity	41.35565057	8446.758935	0	8446.758935	950.35285	0	15161.24577
Riverside (SC)	2026 T7 CAIRP Class 8	Aggregate	Aggregate	Natural Gas	7.622339164	1560.826996	1560.826996	0	175.161354	0.265578678	0
Riverside (SC)	2026 T7 NNOOS Class 8	Aggregate	Aggregate	Diesel	1731.287544	477598.2562	477598.2562	0	39784.98777	72.04575741	0
Riverside (SC)	2026 T7 NNOOS Class 8	Aggregate	Aggregate	Diesel	736.7682567	173416.4175	173416.4175	0	16930.93454	26.92782964	0
Riverside (SC)	2026 T7 POLA Class 8	Aggregate	Aggregate	Diesel	2463.682481	314986.3083	314986.3083	0	40305.84539	52.67896915	0
Riverside (SC)	2026 T7 POLA Class 8	Aggregate	Aggregate	Electricity	8.88920687	998.6006615	0	998.6006615	145.4274244	0	1789.574759
Riverside (SC)	2026 T7 POLA Class 8	Aggregate	Aggregate	Natural Gas	27.51401265	3491.621359	3491.621359	0	450.1292469	0.582368042	0
Riverside (SC)	2026 T7 Public Class 8	Aggregate	Aggregate	Diesel	599.7043156	24256.06027	24256.06027	0	3076.483139	4.132068443	0
Riverside (SC)	2026 T7 Public Class 8	Aggregate	Aggregate	Electricity	10.29929163	656.708181	0	656.708181	52.83536605	0	1178.175697
Riverside (SC)	2026 T7 Public Class 8	Aggregate	Aggregate	Natural Gas	227.9441159	11394.34389	11394.34389	0	1169.353315	1.783493434	0
Riverside (SC)	2026 T7 Single Concrete/Transit Mix C	Aggregate	Aggregate	Diesel	1265.856179	86656.81285	86656.81285	0	11924.36521	14.03482966	0
Riverside (SC)	2026 T7 Single Concrete/Transit Mix C	Aggregate	Aggregate	Electricity	39.79083578	3139.09596	0	3139.09596	374.8296731	0	5634.755413
Riverside (SC)	2026 T7 Single Concrete/Transit Mix C	Aggregate	Aggregate	Natural Gas	95.5361156	6727.726996	6727.726996	0	899.950209	1.058906845	0
Riverside (SC)	2026 T7 Single Dump Class 8	Aggregate	Aggregate	Diesel	1203.81084	68315.39925	68315.39925	0	11339.89811	11.43173338	0
Riverside (SC)	2026 T7 Single Dump Class 8	Aggregate	Aggregate	Electricity	16.92833731	1366.945458	0	1366.945458	159.4649375	0	2453.701134
Riverside (SC)	2026 T7 Single Dump Class 8	Aggregate	Aggregate	Natural Gas	91.21232888	5547.140523	5547.140523	0	859.2201381	0.936449206	0
Riverside (SC)	2026 T7 Single Other Class 8	Aggregate	Aggregate	Diesel	1300.692228	73303.37224	73303.37224	0	12252.52078	12.08779458	0
Riverside (SC)	2026 T7 Single Other Class 8	Aggregate	Aggregate	Electricity	18.02436094	1358.200797	0	1358.200797	169.78948	0	2438.004251
Riverside (SC)	2026 T7 Single Other Class 8	Aggregate	Aggregate	Natural Gas	94.9220624	5682.194348	5682.194348	0	894.1658278	0.939122908	0
Riverside (SC)	2026 T7 SWCV Class 8	Aggregate	Aggregate	Diesel	41.33517057	2683.190874	2683.190874	0	190.1417846	0.992116176	0
Riverside (SC)	2026 T7 SWCV Class 8	Aggregate	Aggregate	Electricity	2.413754253	151.1368076	0	151.1368076	11.10326957	0	271.1854067
Riverside (SC)	2026 T7 SWCV Class 8	Aggregate	Aggregate	Natural Gas	138.2915695	8951.577233	8951.577233	0	636.1412196	1.298579148	0
Riverside (SC)	2026 T7 Tractor Class 8	Aggregate	Aggregate	Diesel	4309.459038	319129.5753	319129.5753	0	62616.43982	50.93210196	0
Riverside (SC)	2026 T7 Tractor Class 8	Aggregate	Aggregate	Electricity	41.87777682	3477.761791	0	3477.761791	608.4840972	0	6231.551128
Riverside (SC)	2026 T7 Tractor Class 8	Aggregate	Aggregate	Natural Gas	139.9432917	10497.85997	10497.85997	0	2033.376028	1.819183129	0
Riverside (SC)	2026 T7 Utility Class 8	Aggregate	Aggregate	Diesel	134.8643814	5912.192026	5912.192026	0	1726.264082	0.95080062	0
Riverside (SC)	2026 T7 Utility Class 8	Aggregate	Aggregate	Electricity	1.46093297	91.82337134	0	91.82337134	18.69994201	0	164.7368918
Riverside (SC)	2026 T7IS	Aggregate	Aggregate	Gasoline	5.301713201	269.8155783	269.8155783	0	106.0766777	0.068469804	0
Riverside (SC)	2026 T7IS	Aggregate	Aggregate	Electricity	0.015515282	3.346833903	0	3.346833903	0.31042977	0	5.988620919
Riverside (SC)	2026 UBUS	Aggregate	Aggregate	Gasoline	146.7792196	18580.60009	18580.60009	0	587.1168784	3.25315693	0
Riverside (SC)	2026 UBUS	Aggregate	Aggregate	Diesel	0.3117338	30.10971099	30.10971099	0	1.246935201	0.002675115	0
Riverside (SC)	2026 UBUS	Aggregate	Aggregate	Electricity	0.298524289	49.15190367	0	49.15190367	1.194097158	0	99.2906368
Riverside (SC)	2026 UBUS	Aggregate	Aggregate	Natural Gas	252.9741581	31172.31474	31172.31474	0	1011.896632	7.683424013	0





Riverside (SC)	2027 T6 Public Class 7	Aggregate	Aggregate	Natural Gas	35.63877504	1829.13816	1829.13816	0	182.826916	0.204927092	0
Riverside (SC)	2027 T6 Utility Class 5	Aggregate	Aggregate	Diesel	180.2594345	7265.523531	7265.523531	0	2307.320761	0.773950301	0
Riverside (SC)	2027 T6 Utility Class 5	Aggregate	Aggregate	Electricity	8.571231064	371.36065	0	371.36065	109.7117576	0	392.0212806
Riverside (SC)	2027 T6 Utility Class 5	Aggregate	Aggregate	Natural Gas	1.044843837	41.61128879	41.61128879	0	13.37400111	0.004434932	0
Riverside (SC)	2027 T6 Utility Class 6	Aggregate	Aggregate	Diesel	34.04451181	1368.556428	1368.556428	0	435.7697511	0.145267585	0
Riverside (SC)	2027 T6 Utility Class 6	Aggregate	Aggregate	Electricity	1.635846614	70.87710264	0	70.87710264	20.93883666	0	74.82034659
Riverside (SC)	2027 T6 Utility Class 6	Aggregate	Aggregate	Natural Gas	0.304405262	11.64667982	11.64667982	0	3.896387359	0.001249543	0
Riverside (SC)	2027 T6 Utility Class 7	Aggregate	Aggregate	Diesel	37.95663696	1890.896354	1890.896354	0	485.8449531	0.199247986	0
Riverside (SC)	2027 T6 Utility Class 7	Aggregate	Aggregate	Electricity	1.848560185	111.1588286	0	111.1588286	23.66157037	0	117.3431443
Riverside (SC)	2027 T6 Utility Class 7	Aggregate	Aggregate	Natural Gas	0.384148259	16.87940521	16.87940521	0	4.917097721	0.001783755	0
Riverside (SC)	2027 T6T5	Aggregate	Aggregate	Gasoline	1187.040113	49189.22554	49189.22554	0	23750.29858	9.102215369	0
Riverside (SC)	2027 T6T5	Aggregate	Aggregate	Electricity	28.28621598	1915.969892	0	1915.969892	565.9506093	0	2018.967778
Riverside (SC)	2027 T7 CAIRP Class 8	Aggregate	Aggregate	Diesel	1926.948749	397835.254	397835.254	0	44281.28225	61.31647813	0
Riverside (SC)	2027 T7 CAIRP Class 8	Aggregate	Aggregate	Electricity	65.30588626	13622.10885	0	13622.10885	1500.729266	0	24461.0223
Riverside (SC)	2027 T7 CAIRP Class 8	Aggregate	Aggregate	Natural Gas	7.559256443	1545.735014	1545.735014	0	173.7117131	0.260052766	0
Riverside (SC)	2027 T7 NNOOS Class 8	Aggregate	Aggregate	Diesel	1768.631492	489076.1141	489076.1141	0	40643.15168	71.99845723	0
Riverside (SC)	2027 T7 NNOOS Class 8	Aggregate	Aggregate	Diesel	757.4780235	177584.0395	177584.0395	0	17406.84498	26.98384933	0
Riverside (SC)	2027 T7 POLA Class 8	Aggregate	Aggregate	Diesel	2486.549954	326461.0801	326461.0801	0	40679.95725	54.48863265	0
Riverside (SC)	2027 T7 POLA Class 8	Aggregate	Aggregate	Electricity	14.92257159	1759.183026	0	1759.183026	244.1332712	0	3155.065705
Riverside (SC)	2027 T7 POLA Class 8	Aggregate	Aggregate	Natural Gas	29.99144399	3911.371511	3911.371511	0	490.6600236	0.641750114	0
Riverside (SC)	2027 T7 Public Class 8	Aggregate	Aggregate	Diesel	582.9203078	23599.5261	23599.5261	0	2990.381179	4.000503182	0
Riverside (SC)	2027 T7 Public Class 8	Aggregate	Aggregate	Electricity	16.48738131	1038.063374	0	1038.063374	84.58026611	0	1863.601443
Riverside (SC)	2027 T7 Public Class 8	Aggregate	Aggregate	Natural Gas	243.9307056	12026.42249	12026.42249	0	1251.36452	1.870716538	0
Riverside (SC)	2027 T7 Single Concrete/Transit Mix C	Aggregate	Aggregate	Diesel	1255.300227	85341.97478	85341.97478	0	11824.92814	13.69878292	0
Riverside (SC)	2027 T7 Single Concrete/Transit Mix C	Aggregate	Aggregate	Electricity	61.97626849	4862.843835	0	4862.843835	583.8164492	0	8734.492364
Riverside (SC)	2027 T7 Single Concrete/Transit Mix C	Aggregate	Aggregate	Natural Gas	95.72520574	6669.410905	6669.410905	0	901.7314381	1.040175578	0
Riverside (SC)	2027 T7 Single Dump Class 8	Aggregate	Aggregate	Diesel	1223.573665	67713.82627	67713.82627	0	11526.06393	11.27817635	0
Riverside (SC)	2027 T7 Single Dump Class 8	Aggregate	Aggregate	Electricity	28.07175878	2257.417484	0	2257.417484	264.4359677	0	4054.704705
Riverside (SC)	2027 T7 Single Dump Class 8	Aggregate	Aggregate	Natural Gas	93.57497317	5531.490453	5531.490453	0	881.4762473	0.927434884	0
Riverside (SC)	2027 T7 Single Other Class 8	Aggregate	Aggregate	Diesel	1344.007244	74257.46307	74257.46307	0	12660.54824	12.19218457	0
Riverside (SC)	2027 T7 Single Other Class 8	Aggregate	Aggregate	Electricity	29.46657788	2215.659179	0	2215.659179	277.5751636	0	3979.699706
Riverside (SC)	2027 T7 Single Other Class 8	Aggregate	Aggregate	Natural Gas	99.15786357	5801.503004	5801.503004	0	934.0670748	0.952610049	0
Riverside (SC)	2027 T7 SWCV Class 8	Aggregate	Aggregate	Diesel	36.17248483	2347.545268	2347.545268	0	166.3934302	0.864583206	0
Riverside (SC)	2027 T7 SWCV Class 8	Aggregate	Aggregate	Electricity	3.726711197	234.8793698	0	234.8793698	17.1428715	0	421.8244289
Riverside (SC)	2027 T7 SWCV Class 8	Aggregate	Aggregate	Natural Gas	143.8900437	9319.335951	9319.335951	0	661.894201	1.327633535	0
Riverside (SC)	2027 T7 Tractor Class 8	Aggregate	Aggregate	Diesel	4503.175223	324810.9929	324810.9929	0	65431.136	51.41317182	0
Riverside (SC)	2027 T7 Tractor Class 8	Aggregate	Aggregate	Electricity	68.67988979	5693.136076	0	5693.136076	997.9187986	0	10209.31235
Riverside (SC)	2027 T7 Tractor Class 8	Aggregate	Aggregate	Natural Gas	145.9070785	10606.40327	10606.40327	0	2120.029851	1.831016741	0
Riverside (SC)	2027 T7 Utility Class 8	Aggregate	Aggregate	Diesel	136.34225	5910.137096	5910.137096	0	1745.1808	0.946996477	0
Riverside (SC)	2027 T7 Utility Class 8	Aggregate	Aggregate	Electricity	2.465531198	152.8978888	0	152.8978888	31.55879933	0	274.4926113
Riverside (SC)	2027 T7I5	Aggregate	Aggregate	Gasoline	4.417589037	240.8696114	240.8696114	0	88.38712146	0.059741457	0
Riverside (SC)	2027 T7I5	Aggregate	Aggregate	Electricity	0.02516226	5.313781519	0	5.313781519	0.503446505	0	9.519424129
Riverside (SC)	2027 UBUS	Aggregate	Aggregate	Gasoline	147.0093126	18606.89257	18606.89257	0	588.0372504	3.253359958	0
Riverside (SC)	2027 UBUS	Aggregate	Aggregate	Diesel	0.3117338	30.10971099	30.10971099	0	1.246935201	0.002674823	0
Riverside (SC)	2027 UBUS	Aggregate	Aggregate	Electricity	0.589513765	89.99316283	0	89.99316283	2.358055058	0	181.6013357
Riverside (SC)	2027 UBUS	Aggregate	Aggregate	Natural Gas	253.257931	31205.35917	31205.35917	0	1013.031724	7.703573673	0





Riverside (SC)	2028 T7 CAIRP Class 8	Aggregate	Aggregate	Natural Gas	7.484212309	1529.127868	1529.127868	0	171.9871989	0.254452281	0
Riverside (SC)	2028 T7 NNOOS Class 8	Aggregate	Aggregate	Diesel	1805.756682	500829.8133	500829.8133	0	41496.28854	71.87953977	0
Riverside (SC)	2028 T7 NOOS Class 8	Aggregate	Aggregate	Diesel	777.5981196	181851.8198	181851.8198	0	17869.20479	27.00825904	0
Riverside (SC)	2028 T7 POLA Class 8	Aggregate	Aggregate	Diesel	2482.105221	337828.572	337828.572	0	40607.24142	56.1343273	0
Riverside (SC)	2028 T7 POLA Class 8	Aggregate	Aggregate	Electricity	23.45904586	2915.477392	0	2915.477392	383.7899902	0	5228.860555
Riverside (SC)	2028 T7 POLA Class 8	Aggregate	Aggregate	Natural Gas	32.86327194	4446.337	4446.337	0	537.6431289	0.717174184	0
Riverside (SC)	2028 T7 Public Class 8	Aggregate	Aggregate	Diesel	566.1844026	22890.15773	22890.15773	0	2904.525985	3.864107698	0
Riverside (SC)	2028 T7 Public Class 8	Aggregate	Aggregate	Electricity	25.56496494	1599.2013	0	1599.2013	131.1482701	0	2870.994128
Riverside (SC)	2028 T7 Public Class 8	Aggregate	Aggregate	Natural Gas	258.0902297	12523.56764	12523.56764	0	1324.002879	1.94215372	0
Riverside (SC)	2028 T7 Single Concrete/Transit Mix C	Aggregate	Aggregate	Diesel	1235.141196	83372.17364	83372.17364	0	11635.03007	13.26114111	0
Riverside (SC)	2028 T7 Single Concrete/Transit Mix C	Aggregate	Aggregate	Electricity	93.89393283	7405.740217	0	7405.740217	884.4808473	0	13301.96559
Riverside (SC)	2028 T7 Single Concrete/Transit Mix C	Aggregate	Aggregate	Natural Gas	94.97009304	6544.81724	6544.81724	0	894.6182765	1.014393405	0
Riverside (SC)	2028 T7 Single Dump Class 8	Aggregate	Aggregate	Diesel	1238.7108	66832.73177	66832.73177	0	11668.65573	11.07111541	0
Riverside (SC)	2028 T7 Single Dump Class 8	Aggregate	Aggregate	Electricity	43.8166703	3539.80321	0	3539.80321	412.7530342	0	6358.086988
Riverside (SC)	2028 T7 Single Dump Class 8	Aggregate	Aggregate	Natural Gas	95.39953086	5479.756533	5479.756533	0	898.6635807	0.914498055	0
Riverside (SC)	2028 T7 Single Other Class 8	Aggregate	Aggregate	Diesel	1382.317322	74834.05708	74834.05708	0	13021.42917	12.2266171	0
Riverside (SC)	2028 T7 Single Other Class 8	Aggregate	Aggregate	Electricity	46.71256243	3537.749175	0	3537.749175	440.0323381	0	6354.397592
Riverside (SC)	2028 T7 Single Other Class 8	Aggregate	Aggregate	Natural Gas	102.8480201	5880.080133	5880.080133	0	968.8283497	0.961475363	0
Riverside (SC)	2028 T7 SWCV Class 8	Aggregate	Aggregate	Diesel	33.08437078	2146.485775	2146.485775	0	152.1881056	0.790122326	0
Riverside (SC)	2028 T7 SWCV Class 8	Aggregate	Aggregate	Electricity	5.168758816	328.5484911	0	328.5484911	23.77629055	0	590.0466257
Riverside (SC)	2028 T7 SWCV Class 8	Aggregate	Aggregate	Natural Gas	147.2294064	9539.989958	9539.989958	0	677.2552695	1.343293674	0
Riverside (SC)	2028 T7 Tractor Class 8	Aggregate	Aggregate	Diesel	4680.964946	329996.9233	329996.9233	0	68014.42067	51.74337258	0
Riverside (SC)	2028 T7 Tractor Class 8	Aggregate	Aggregate	Electricity	104.6226871	8634.941639	0	8634.941639	1520.167643	0	15484.75483
Riverside (SC)	2028 T7 Tractor Class 8	Aggregate	Aggregate	Natural Gas	150.9543749	10676.39041	10676.39041	0	2193.367067	1.838052729	0
Riverside (SC)	2028 T7 Utility Class 8	Aggregate	Aggregate	Diesel	136.5796349	5873.565178	5873.565178	0	1748.219326	0.937145994	0
Riverside (SC)	2028 T7 Utility Class 8	Aggregate	Aggregate	Electricity	4.006399444	247.1689496	0	247.1689496	51.28191288	0	443.7343834
Riverside (SC)	2028 T7IS	Aggregate	Aggregate	Gasoline	3.988581574	220.2375349	220.2375349	0	79.80354013	0.053426587	0
Riverside (SC)	2028 T7IS	Aggregate	Aggregate	Electricity	0.040036973	8.31482092	0	8.31482092	0.801059746	0	14.89566453
Riverside (SC)	2028 UBUS	Aggregate	Aggregate	Gasoline	132.0967345	16779.39189	16779.39189	0	528.3869381	2.792318822	0
Riverside (SC)	2028 UBUS	Aggregate	Aggregate	Electricity	56.86515729	8885.94529	0	8885.94529	227.4606292	0	17931.35704
Riverside (SC)	2028 UBUS	Aggregate	Aggregate	Natural Gas	213.0114547	24367.19561	24367.19561	0	852.045819	5.373642123	0