

Locust Avenue Development - South Coast AQMD Air District, Winter

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

**Locust Avenue Development  
South Coast AQMD Air District, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

| Land Uses                  | Size  | Metric   | Lot Acreage | Floor Surface Area | Population |
|----------------------------|-------|----------|-------------|--------------------|------------|
| General Heavy Industry     | 96.86 | 1000sqft | 2.22        | 96,862.00          | 0          |
| Other Non-Asphalt Surfaces | 29.23 | 1000sqft | 0.67        | 29,227.00          | 0          |
| Parking Lot                | 83.64 | 1000sqft | 1.92        | 83,635.20          | 0          |

**1.2 Other Project Characteristics**

|                                |                            |                                |       |                                  |       |
|--------------------------------|----------------------------|--------------------------------|-------|----------------------------------|-------|
| <b>Urbanization</b>            | Urban                      | <b>Wind Speed (m/s)</b>        | 2.2   | <b>Precipitation Freq (Days)</b> | 31    |
| <b>Climate Zone</b>            | 10                         |                                |       | <b>Operational Year</b>          | 2023  |
| <b>Utility Company</b>         | Southern California Edison |                                |       |                                  |       |
| <b>CO2 Intensity (lb/MWhr)</b> | 531.98                     | <b>CH4 Intensity (lb/MWhr)</b> | 0.033 | <b>N2O Intensity (lb/MWhr)</b>   | 0.004 |

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

Project Characteristics -

Land Use - Per Site Plan.

Construction Phase - No demolition is required. Project Site is vacant.

Fleet Mix - Per TIA.

Vehicle Trips - Per TIA.

Construction Off-road Equipment Mitigation -

| Table Name  | Column Name | Default Value | New Value |
|-------------|-------------|---------------|-----------|
| tblFleetMix | HHD         | 9.1370e-003   | 0.28      |
| tblFleetMix | LDA         | 0.54          | 0.60      |

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|                 |       |             |             |
|-----------------|-------|-------------|-------------|
| tblFleetMix     | LDT1  | 0.06        | 0.00        |
| tblFleetMix     | LDT2  | 0.18        | 0.00        |
| tblFleetMix     | LHD1  | 0.02        | 6.0000e-003 |
| tblFleetMix     | LHD2  | 6.3530e-003 | 0.00        |
| tblFleetMix     | MCY   | 0.02        | 0.00        |
| tblFleetMix     | MDV   | 0.13        | 0.00        |
| tblFleetMix     | MH    | 3.7910e-003 | 0.00        |
| tblFleetMix     | MHD   | 0.01        | 0.11        |
| tblFleetMix     | OBUS  | 8.1200e-004 | 0.00        |
| tblFleetMix     | SBUS  | 7.5000e-004 | 0.00        |
| tblFleetMix     | UBUS  | 5.0900e-004 | 0.00        |
| tblVehicleTrips | ST_TR | 6.42        | 1.75        |
| tblVehicleTrips | SU_TR | 5.09        | 1.75        |
| tblVehicleTrips | WD_TR | 3.93        | 1.75        |

**2.0 Emissions Summary**

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

**2.1 Overall Construction (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        |                        |                        |               |               |                        |
| 2022           | 3.2353         | 33.1312        | 20.3180        | 0.0418        | 19.8582        | 1.6138        | 21.4720        | 10.1558        | 1.4847        | 11.6405        | 0.0000        | 4,101.467<br>2         | 4,101.467<br>2         | 1.1970        | 0.1244        | 4,155.002<br>8         |
| 2023           | 51.8800        | 15.8865        | 19.5392        | 0.0413        | 1.2013         | 0.7125        | 1.9138         | 0.3235         | 0.6704        | 0.9940         | 0.0000        | 4,043.226<br>2         | 4,043.226<br>2         | 0.6516        | 0.1179        | 4,094.632<br>6         |
| <b>Maximum</b> | <b>51.8800</b> | <b>33.1312</b> | <b>20.3180</b> | <b>0.0418</b> | <b>19.8582</b> | <b>1.6138</b> | <b>21.4720</b> | <b>10.1558</b> | <b>1.4847</b> | <b>11.6405</b> | <b>0.0000</b> | <b>4,101.467<br/>2</b> | <b>4,101.467<br/>2</b> | <b>1.1970</b> | <b>0.1244</b> | <b>4,155.002<br/>8</b> |

**Mitigated Construction**

|                | ROG            | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total     | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2              | Total CO2              | CH4           | N2O           | CO2e                   |
|----------------|----------------|----------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|---------------|------------------------|
| Year           | lb/day         |                |                |               |               |               |                |                |               |               | lb/day        |                        |                        |               |               |                        |
| 2022           | 3.2353         | 33.1312        | 20.3180        | 0.0418        | 9.0469        | 1.6138        | 10.6606        | 4.5995         | 1.4847        | 6.0841        | 0.0000        | 4,101.467<br>2         | 4,101.467<br>2         | 1.1970        | 0.1244        | 4,155.002<br>8         |
| 2023           | 51.8800        | 15.8865        | 19.5392        | 0.0413        | 1.2013        | 0.7125        | 1.9138         | 0.3235         | 0.6704        | 0.9940        | 0.0000        | 4,043.226<br>2         | 4,043.226<br>2         | 0.6516        | 0.1179        | 4,094.632<br>6         |
| <b>Maximum</b> | <b>51.8800</b> | <b>33.1312</b> | <b>20.3180</b> | <b>0.0418</b> | <b>9.0469</b> | <b>1.6138</b> | <b>10.6606</b> | <b>4.5995</b>  | <b>1.4847</b> | <b>6.0841</b> | <b>0.0000</b> | <b>4,101.467<br/>2</b> | <b>4,101.467<br/>2</b> | <b>1.1970</b> | <b>0.1244</b> | <b>4,155.002<br/>8</b> |

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|                   | ROG  | NOx  | CO   | SO2  | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4  | N2O  | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| Percent Reduction | 0.00 | 0.00 | 0.00 | 0.00 | 51.34         | 0.00         | 46.23      | 53.02          | 0.00          | 43.98       | 0.00     | 0.00     | 0.00      | 0.00 | 0.00 | 0.00 |

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

**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         | 2.2144        | 1.9000e-004   | 0.0214        | 0.0000        |               | 8.0000e-005   | 8.0000e-005   |                | 8.0000e-005   | 8.0000e-005   |          | 0.0459            | 0.0459            | 1.2000e-004   |               | 0.0489            |
| Energy       | 0.0925        | 0.8411        | 0.7066        | 5.0500e-003   |               | 0.0639        | 0.0639        |                | 0.0639        | 0.0639        |          | 1,009.3629        | 1,009.3629        | 0.0194        | 0.0185        | 1,015.3611        |
| Mobile       | 0.2084        | 4.6931        | 3.6217        | 0.0288        | 1.6818        | 0.0345        | 1.7163        | 0.4582         | 0.0328        | 0.4910        |          | 3,080.7300        | 3,080.7300        | 0.1190        | 0.3743        | 3,195.2340        |
| <b>Total</b> | <b>2.5154</b> | <b>5.5344</b> | <b>4.3497</b> | <b>0.0339</b> | <b>1.6818</b> | <b>0.0985</b> | <b>1.7803</b> | <b>0.4582</b>  | <b>0.0968</b> | <b>0.5551</b> |          | <b>4,090.1388</b> | <b>4,090.1388</b> | <b>0.1385</b> | <b>0.3928</b> | <b>4,210.6440</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         | 2.2144        | 1.9000e-004   | 0.0214        | 0.0000        |               | 8.0000e-005   | 8.0000e-005   |                | 8.0000e-005   | 8.0000e-005   |          | 0.0459            | 0.0459            | 1.2000e-004   |               | 0.0489            |
| Energy       | 0.0925        | 0.8411        | 0.7066        | 5.0500e-003   |               | 0.0639        | 0.0639        |                | 0.0639        | 0.0639        |          | 1,009.3629        | 1,009.3629        | 0.0194        | 0.0185        | 1,015.3611        |
| Mobile       | 0.2084        | 4.6931        | 3.6217        | 0.0288        | 1.6818        | 0.0345        | 1.7163        | 0.4582         | 0.0328        | 0.4910        |          | 3,080.7300        | 3,080.7300        | 0.1190        | 0.3743        | 3,195.2340        |
| <b>Total</b> | <b>2.5154</b> | <b>5.5344</b> | <b>4.3497</b> | <b>0.0339</b> | <b>1.6818</b> | <b>0.0985</b> | <b>1.7803</b> | <b>0.4582</b>  | <b>0.0968</b> | <b>0.5551</b> |          | <b>4,090.1388</b> | <b>4,090.1388</b> | <b>0.1385</b> | <b>0.3928</b> | <b>4,210.6440</b> |

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

**3.0 Construction Detail**

**Construction Phase**

| Phase Number | Phase Name            | Phase Type            | Start Date | End Date  | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|-----------|---------------|----------|-------------------|
| 1            | Site Preparation      | Site Preparation      | 6/28/2022  | 7/4/2022  | 5             | 5        |                   |
| 2            | Grading               | Grading               | 7/5/2022   | 7/14/2022 | 5             | 8        |                   |
| 3            | Building Construction | Building Construction | 7/15/2022  | 6/1/2023  | 5             | 230      |                   |
| 4            | Paving                | Paving                | 6/2/2023   | 6/27/2023 | 5             | 18       |                   |
| 5            | Architectural Coating | Architectural Coating | 6/28/2023  | 7/21/2023 | 5             | 18       |                   |

**Acres of Grading (Site Preparation Phase): 7.5**

**Acres of Grading (Grading Phase): 8**

**Acres of Paving: 2.59**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 145,293; Non-Residential Outdoor: 48,431; Striped Parking Area: 6,772 (Architectural Coating – sqft)**

**OffRoad Equipment**

| Phase Name            | Offroad Equipment Type   | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|--------------------------|--------|-------------|-------------|-------------|
| Architectural Coating | Air Compressors          | 1      | 6.00        | 78          | 0.48        |
| Paving                | Cement and Mortar Mixers | 2      | 6.00        | 9           | 0.56        |
| Building Construction | Cranes                   | 1      | 7.00        | 231         | 0.29        |
| Grading               | Excavators               | 1      | 8.00        | 158         | 0.38        |
| Building Construction | Forklifts                | 3      | 8.00        | 89          | 0.20        |
| Building Construction | Generator Sets           | 1      | 8.00        | 84          | 0.74        |

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|                       |                           |   |      |     |      |
|-----------------------|---------------------------|---|------|-----|------|
| Grading               | Graders                   | 1 | 8.00 | 187 | 0.41 |
| Paving                | Pavers                    | 1 | 8.00 | 130 | 0.42 |
| Paving                | Paving Equipment          | 2 | 6.00 | 132 | 0.36 |
| Paving                | Rollers                   | 2 | 6.00 | 80  | 0.38 |
| Grading               | Rubber Tired Dozers       | 1 | 8.00 | 247 | 0.40 |
| Site Preparation      | Rubber Tired Dozers       | 3 | 8.00 | 247 | 0.40 |
| Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97  | 0.37 |
| Grading               | Tractors/Loaders/Backhoes | 3 | 8.00 | 97  | 0.37 |
| Paving                | Tractors/Loaders/Backhoes | 1 | 8.00 | 97  | 0.37 |
| Site Preparation      | Tractors/Loaders/Backhoes | 4 | 8.00 | 97  | 0.37 |
| Building Construction | Welders                   | 1 | 8.00 | 46  | 0.45 |

**Trips and VMT**

| Phase Name            | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Site Preparation      | 7                       | 18.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Grading               | 6                       | 15.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Building Construction | 9                       | 88.00              | 34.00              | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Paving                | 8                       | 20.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Architectural Coating | 1                       | 18.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |

**3.1 Mitigation Measures Construction**

Water Exposed Area

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**3.2 Site Preparation - 2022**

**Unmitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10  | Exhaust PM10  | PM10 Total     | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total    | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|----------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |                |               |                |                |               |                | lb/day   |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 19.6570        | 0.0000        | 19.6570        | 10.1025        | 0.0000        | 10.1025        |          |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 3.1701        | 33.0835        | 19.6978        | 0.0380        |                | 1.6126        | 1.6126         |                | 1.4836        | 1.4836         |          | 3,686.0619        | 3,686.0619        | 1.1922        |     | 3,715.8655        |
| <b>Total</b>  | <b>3.1701</b> | <b>33.0835</b> | <b>19.6978</b> | <b>0.0380</b> | <b>19.6570</b> | <b>1.6126</b> | <b>21.2696</b> | <b>10.1025</b> | <b>1.4836</b> | <b>11.5860</b> |          | <b>3,686.0619</b> | <b>3,686.0619</b> | <b>1.1922</b> |     | <b>3,715.8655</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       | 0.0652        | 0.0477        | 0.6202        | 1.7200e-003        | 0.2012        | 1.2000e-003        | 0.2024        | 0.0534         | 1.1000e-003        | 0.0545        |          | 173.3539        | 173.3539        | 4.8700e-003        | 4.6700e-003        | 174.8680        |
| <b>Total</b> | <b>0.0652</b> | <b>0.0477</b> | <b>0.6202</b> | <b>1.7200e-003</b> | <b>0.2012</b> | <b>1.2000e-003</b> | <b>0.2024</b> | <b>0.0534</b>  | <b>1.1000e-003</b> | <b>0.0545</b> |          | <b>173.3539</b> | <b>173.3539</b> | <b>4.8700e-003</b> | <b>4.6700e-003</b> | <b>174.8680</b> |



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**3.2 Site Preparation - 2022**

**Mitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total     | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |               |               |                |                |               |               | lb/day        |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 8.8457        | 0.0000        | 8.8457         | 4.5461         | 0.0000        | 4.5461        |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 3.1701        | 33.0835        | 19.6978        | 0.0380        |               | 1.6126        | 1.6126         |                | 1.4836        | 1.4836        | 0.0000        | 3,686.0619        | 3,686.0619        | 1.1922        |     | 3,715.8655        |
| <b>Total</b>  | <b>3.1701</b> | <b>33.0835</b> | <b>19.6978</b> | <b>0.0380</b> | <b>8.8457</b> | <b>1.6126</b> | <b>10.4582</b> | <b>4.5461</b>  | <b>1.4836</b> | <b>6.0297</b> | <b>0.0000</b> | <b>3,686.0619</b> | <b>3,686.0619</b> | <b>1.1922</b> |     | <b>3,715.8655</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       | 0.0652        | 0.0477        | 0.6202        | 1.7200e-003        | 0.2012        | 1.2000e-003        | 0.2024        | 0.0534         | 1.1000e-003        | 0.0545        |          | 173.3539        | 173.3539        | 4.8700e-003        | 4.6700e-003        | 174.8680        |
| <b>Total</b> | <b>0.0652</b> | <b>0.0477</b> | <b>0.6202</b> | <b>1.7200e-003</b> | <b>0.2012</b> | <b>1.2000e-003</b> | <b>0.2024</b> | <b>0.0534</b>  | <b>1.1000e-003</b> | <b>0.0545</b> |          | <b>173.3539</b> | <b>173.3539</b> | <b>4.8700e-003</b> | <b>4.6700e-003</b> | <b>174.8680</b> |

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**3.3 Grading - 2022**

**Unmitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category      | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                        |                        |               |     |                        |
| Fugitive Dust |               |                |                |               | 7.0826        | 0.0000        | 7.0826        | 3.4247         | 0.0000        | 3.4247        |          |                        | 0.0000                 |               |     | 0.0000                 |
| Off-Road      | 1.9486        | 20.8551        | 15.2727        | 0.0297        |               | 0.9409        | 0.9409        |                | 0.8656        | 0.8656        |          | 2,872.046<br>4         | 2,872.046<br>4         | 0.9289        |     | 2,895.268<br>4         |
| <b>Total</b>  | <b>1.9486</b> | <b>20.8551</b> | <b>15.2727</b> | <b>0.0297</b> | <b>7.0826</b> | <b>0.9409</b> | <b>8.0234</b> | <b>3.4247</b>  | <b>0.8656</b> | <b>4.2903</b> |          | <b>2,872.046<br/>4</b> | <b>2,872.046<br/>4</b> | <b>0.9289</b> |     | <b>2,895.268<br/>4</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       | 0.0543        | 0.0397        | 0.5169        | 1.4300e-003        | 0.1677        | 1.0000e-003        | 0.1687        | 0.0445         | 9.2000e-004        | 0.0454        |          | 144.4616        | 144.4616        | 4.0600e-003        | 3.8900e-003        | 145.7233        |
| <b>Total</b> | <b>0.0543</b> | <b>0.0397</b> | <b>0.5169</b> | <b>1.4300e-003</b> | <b>0.1677</b> | <b>1.0000e-003</b> | <b>0.1687</b> | <b>0.0445</b>  | <b>9.2000e-004</b> | <b>0.0454</b> |          | <b>144.4616</b> | <b>144.4616</b> | <b>4.0600e-003</b> | <b>3.8900e-003</b> | <b>145.7233</b> |

Locust Avenue Development - South Coast AQMD Air District, Winter

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

**3.3 Grading - 2022**

**Mitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|-----|------------------------|
| Category      | lb/day        |                |                |               |               |               |               |                |               |               | lb/day        |                        |                        |               |     |                        |
| Fugitive Dust |               |                |                |               | 3.1872        | 0.0000        | 3.1872        | 1.5411         | 0.0000        | 1.5411        |               |                        | 0.0000                 |               |     | 0.0000                 |
| Off-Road      | 1.9486        | 20.8551        | 15.2727        | 0.0297        |               | 0.9409        | 0.9409        |                | 0.8656        | 0.8656        | 0.0000        | 2,872.046<br>4         | 2,872.046<br>4         | 0.9289        |     | 2,895.268<br>4         |
| <b>Total</b>  | <b>1.9486</b> | <b>20.8551</b> | <b>15.2727</b> | <b>0.0297</b> | <b>3.1872</b> | <b>0.9409</b> | <b>4.1280</b> | <b>1.5411</b>  | <b>0.8656</b> | <b>2.4067</b> | <b>0.0000</b> | <b>2,872.046<br/>4</b> | <b>2,872.046<br/>4</b> | <b>0.9289</b> |     | <b>2,895.268<br/>4</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       | 0.0543        | 0.0397        | 0.5169        | 1.4300e-003        | 0.1677        | 1.0000e-003        | 0.1687        | 0.0445         | 9.2000e-004        | 0.0454        |          | 144.4616        | 144.4616        | 4.0600e-003        | 3.8900e-003        | 145.7233        |
| <b>Total</b> | <b>0.0543</b> | <b>0.0397</b> | <b>0.5169</b> | <b>1.4300e-003</b> | <b>0.1677</b> | <b>1.0000e-003</b> | <b>0.1687</b> | <b>0.0445</b>  | <b>9.2000e-004</b> | <b>0.0454</b> |          | <b>144.4616</b> | <b>144.4616</b> | <b>4.0600e-003</b> | <b>3.8900e-003</b> | <b>145.7233</b> |

Locust Avenue Development - South Coast AQMD Air District, Winter

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

**3.4 Building Construction - 2022**

**Unmitigated Construction On-Site**

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Off-Road     | 1.7062        | 15.6156        | 16.3634        | 0.0269        |               | 0.8090        | 0.8090        |                | 0.7612        | 0.7612        |          | 2,554.3336        | 2,554.3336        | 0.6120        |     | 2,569.6322        |
| <b>Total</b> | <b>1.7062</b> | <b>15.6156</b> | <b>16.3634</b> | <b>0.0269</b> |               | <b>0.8090</b> | <b>0.8090</b> |                | <b>0.7612</b> | <b>0.7612</b> |          | <b>2,554.3336</b> | <b>2,554.3336</b> | <b>0.6120</b> |     | <b>2,569.6322</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       | 0.0609        | 1.6511        | 0.5619        | 6.5000e-003   | 0.2177        | 0.0166        | 0.2343        | 0.0627         | 0.0159        | 0.0786        |          | 699.6259          | 699.6259          | 0.0234        | 0.1015        | 730.4603          |
| Worker       | 0.3187        | 0.2332        | 3.0323        | 8.3800e-003   | 0.9836        | 5.8700e-003   | 0.9895        | 0.2609         | 5.4000e-003   | 0.2663        |          | 847.5077          | 847.5077          | 0.0238        | 0.0228        | 854.9103          |
| <b>Total</b> | <b>0.3796</b> | <b>1.8843</b> | <b>3.5942</b> | <b>0.0149</b> | <b>1.2013</b> | <b>0.0225</b> | <b>1.2238</b> | <b>0.3235</b>  | <b>0.0213</b> | <b>0.3448</b> |          | <b>1,547.1336</b> | <b>1,547.1336</b> | <b>0.0472</b> | <b>0.1244</b> | <b>1,585.3705</b> |

Locust Avenue Development - South Coast AQMD Air District, Winter

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

**3.4 Building Construction - 2022**

**Mitigated Construction On-Site**

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 1.7062        | 15.6156        | 16.3634        | 0.0269        |               | 0.8090        | 0.8090        |                | 0.7612        | 0.7612        | 0.0000        | 2,554.3336        | 2,554.3336        | 0.6120        |     | 2,569.6322        |
| <b>Total</b> | <b>1.7062</b> | <b>15.6156</b> | <b>16.3634</b> | <b>0.0269</b> |               | <b>0.8090</b> | <b>0.8090</b> |                | <b>0.7612</b> | <b>0.7612</b> | <b>0.0000</b> | <b>2,554.3336</b> | <b>2,554.3336</b> | <b>0.6120</b> |     | <b>2,569.6322</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       | 0.0609        | 1.6511        | 0.5619        | 6.5000e-003   | 0.2177        | 0.0166        | 0.2343        | 0.0627         | 0.0159        | 0.0786        |          | 699.6259          | 699.6259          | 0.0234        | 0.1015        | 730.4603          |
| Worker       | 0.3187        | 0.2332        | 3.0323        | 8.3800e-003   | 0.9836        | 5.8700e-003   | 0.9895        | 0.2609         | 5.4000e-003   | 0.2663        |          | 847.5077          | 847.5077          | 0.0238        | 0.0228        | 854.9103          |
| <b>Total</b> | <b>0.3796</b> | <b>1.8843</b> | <b>3.5942</b> | <b>0.0149</b> | <b>1.2013</b> | <b>0.0225</b> | <b>1.2238</b> | <b>0.3235</b>  | <b>0.0213</b> | <b>0.3448</b> |          | <b>1,547.1336</b> | <b>1,547.1336</b> | <b>0.0472</b> | <b>0.1244</b> | <b>1,585.3705</b> |

Locust Avenue Development - South Coast AQMD Air District, Winter

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

**3.4 Building Construction - 2023**

**Unmitigated Construction On-Site**

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Off-Road     | 1.5728        | 14.3849        | 16.2440        | 0.0269        |               | 0.6997        | 0.6997        |                | 0.6584        | 0.6584        |          | 2,555.2099        | 2,555.2099        | 0.6079        |     | 2,570.4061        |
| <b>Total</b> | <b>1.5728</b> | <b>14.3849</b> | <b>16.2440</b> | <b>0.0269</b> |               | <b>0.6997</b> | <b>0.6997</b> |                | <b>0.6584</b> | <b>0.6584</b> |          | <b>2,555.2099</b> | <b>2,555.2099</b> | <b>0.6079</b> |     | <b>2,570.4061</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       | 0.0360        | 1.2954        | 0.5016        | 6.2000e-003   | 0.2177        | 7.2200e-003   | 0.2249        | 0.0627         | 6.9100e-003   | 0.0696        |          | 667.7102          | 667.7102          | 0.0223        | 0.0968        | 697.0985          |
| Worker       | 0.2966        | 0.2062        | 2.7936        | 8.1200e-003   | 0.9836        | 5.5200e-003   | 0.9892        | 0.2609         | 5.0800e-003   | 0.2660        |          | 820.3060          | 820.3060          | 0.0214        | 0.0211        | 827.1281          |
| <b>Total</b> | <b>0.3325</b> | <b>1.5016</b> | <b>3.2952</b> | <b>0.0143</b> | <b>1.2013</b> | <b>0.0127</b> | <b>1.2141</b> | <b>0.3235</b>  | <b>0.0120</b> | <b>0.3355</b> |          | <b>1,488.0162</b> | <b>1,488.0162</b> | <b>0.0437</b> | <b>0.1179</b> | <b>1,524.2266</b> |

Locust Avenue Development - South Coast AQMD Air District, Winter

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

**3.4 Building Construction - 2023**

**Mitigated Construction On-Site**

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 1.5728        | 14.3849        | 16.2440        | 0.0269        |               | 0.6997        | 0.6997        |                | 0.6584        | 0.6584        | 0.0000        | 2,555.2099        | 2,555.2099        | 0.6079        |     | 2,570.4061        |
| <b>Total</b> | <b>1.5728</b> | <b>14.3849</b> | <b>16.2440</b> | <b>0.0269</b> |               | <b>0.6997</b> | <b>0.6997</b> |                | <b>0.6584</b> | <b>0.6584</b> | <b>0.0000</b> | <b>2,555.2099</b> | <b>2,555.2099</b> | <b>0.6079</b> |     | <b>2,570.4061</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       | 0.0360        | 1.2954        | 0.5016        | 6.2000e-003   | 0.2177        | 7.2200e-003   | 0.2249        | 0.0627         | 6.9100e-003   | 0.0696        |          | 667.7102          | 667.7102          | 0.0223        | 0.0968        | 697.0985          |
| Worker       | 0.2966        | 0.2062        | 2.7936        | 8.1200e-003   | 0.9836        | 5.5200e-003   | 0.9892        | 0.2609         | 5.0800e-003   | 0.2660        |          | 820.3060          | 820.3060          | 0.0214        | 0.0211        | 827.1281          |
| <b>Total</b> | <b>0.3325</b> | <b>1.5016</b> | <b>3.2952</b> | <b>0.0143</b> | <b>1.2013</b> | <b>0.0127</b> | <b>1.2141</b> | <b>0.3235</b>  | <b>0.0120</b> | <b>0.3355</b> |          | <b>1,488.0162</b> | <b>1,488.0162</b> | <b>0.0437</b> | <b>0.1179</b> | <b>1,524.2266</b> |

Locust Avenue Development - South Coast AQMD Air District, Winter

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

**3.5 Paving - 2023**

**Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Off-Road     | 0.9181        | 8.7903        | 12.1905        | 0.0189        |               | 0.4357        | 0.4357        |                | 0.4025        | 0.4025        |          | 1,805.4304        | 1,805.4304        | 0.5673        |     | 1,819.6122        |
| Paving       | 0.2795        |               |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>1.1976</b> | <b>8.7903</b> | <b>12.1905</b> | <b>0.0189</b> |               | <b>0.4357</b> | <b>0.4357</b> |                | <b>0.4025</b> | <b>0.4025</b> |          | <b>1,805.4304</b> | <b>1,805.4304</b> | <b>0.5673</b> |     | <b>1,819.6122</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       | 0.0674        | 0.0469        | 0.6349        | 1.8400e-003        | 0.2236        | 1.2600e-003        | 0.2248        | 0.0593         | 1.1600e-003        | 0.0604        |          | 186.4332        | 186.4332        | 4.8600e-003        | 4.7900e-003        | 187.9837        |
| <b>Total</b> | <b>0.0674</b> | <b>0.0469</b> | <b>0.6349</b> | <b>1.8400e-003</b> | <b>0.2236</b> | <b>1.2600e-003</b> | <b>0.2248</b> | <b>0.0593</b>  | <b>1.1600e-003</b> | <b>0.0604</b> |          | <b>186.4332</b> | <b>186.4332</b> | <b>4.8600e-003</b> | <b>4.7900e-003</b> | <b>187.9837</b> |



Locust Avenue Development - South Coast AQMD Air District, Winter

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

**3.5 Paving - 2023**

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 0.9181        | 8.7903        | 12.1905        | 0.0189        |               | 0.4357        | 0.4357        |                | 0.4025        | 0.4025        | 0.0000        | 1,805.4304        | 1,805.4304        | 0.5673        |     | 1,819.6122        |
| Paving       | 0.2795        |               |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>1.1976</b> | <b>8.7903</b> | <b>12.1905</b> | <b>0.0189</b> |               | <b>0.4357</b> | <b>0.4357</b> |                | <b>0.4025</b> | <b>0.4025</b> | <b>0.0000</b> | <b>1,805.4304</b> | <b>1,805.4304</b> | <b>0.5673</b> |     | <b>1,819.6122</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       | 0.0674        | 0.0469        | 0.6349        | 1.8400e-003        | 0.2236        | 1.2600e-003        | 0.2248        | 0.0593         | 1.1600e-003        | 0.0604        |          | 186.4332        | 186.4332        | 4.8600e-003        | 4.7900e-003        | 187.9837        |
| <b>Total</b> | <b>0.0674</b> | <b>0.0469</b> | <b>0.6349</b> | <b>1.8400e-003</b> | <b>0.2236</b> | <b>1.2600e-003</b> | <b>0.2248</b> | <b>0.0593</b>  | <b>1.1600e-003</b> | <b>0.0604</b> |          | <b>186.4332</b> | <b>186.4332</b> | <b>4.8600e-003</b> | <b>4.7900e-003</b> | <b>187.9837</b> |

Locust Avenue Development - South Coast AQMD Air District, Winter

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

**3.6 Architectural Coating - 2023**

**Unmitigated Construction On-Site**

|                 | ROG            | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category        | lb/day         |               |               |                    |               |               |               |                |               |               | lb/day   |                 |                 |               |     |                 |
| Archit. Coating | 51.6277        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.1917         | 1.3030        | 1.8111        | 2.9700e-003        |               | 0.0708        | 0.0708        |                | 0.0708        | 0.0708        |          | 281.4481        | 281.4481        | 0.0168        |     | 281.8690        |
| <b>Total</b>    | <b>51.8194</b> | <b>1.3030</b> | <b>1.8111</b> | <b>2.9700e-003</b> |               | <b>0.0708</b> | <b>0.0708</b> |                | <b>0.0708</b> | <b>0.0708</b> |          | <b>281.4481</b> | <b>281.4481</b> | <b>0.0168</b> |     | <b>281.8690</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       | 0.0607        | 0.0422        | 0.5714        | 1.6600e-003        | 0.2012        | 1.1300e-003        | 0.2023        | 0.0534         | 1.0400e-003        | 0.0544        |          | 167.7899        | 167.7899        | 4.3800e-003        | 4.3200e-003        | 169.1853        |
| <b>Total</b> | <b>0.0607</b> | <b>0.0422</b> | <b>0.5714</b> | <b>1.6600e-003</b> | <b>0.2012</b> | <b>1.1300e-003</b> | <b>0.2023</b> | <b>0.0534</b>  | <b>1.0400e-003</b> | <b>0.0544</b> |          | <b>167.7899</b> | <b>167.7899</b> | <b>4.3800e-003</b> | <b>4.3200e-003</b> | <b>169.1853</b> |

Locust Avenue Development - South Coast AQMD Air District, Winter

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

**3.6 Architectural Coating - 2023**

**Mitigated Construction On-Site**

|                 | ROG            | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| Category        | lb/day         |               |               |                    |               |               |               |                |               |               | lb/day        |                 |                 |               |     |                 |
| Archit. Coating | 51.6277        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.1917         | 1.3030        | 1.8111        | 2.9700e-003        |               | 0.0708        | 0.0708        |                | 0.0708        | 0.0708        | 0.0000        | 281.4481        | 281.4481        | 0.0168        |     | 281.8690        |
| <b>Total</b>    | <b>51.8194</b> | <b>1.3030</b> | <b>1.8111</b> | <b>2.9700e-003</b> |               | <b>0.0708</b> | <b>0.0708</b> |                | <b>0.0708</b> | <b>0.0708</b> | <b>0.0000</b> | <b>281.4481</b> | <b>281.4481</b> | <b>0.0168</b> |     | <b>281.8690</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       | 0.0607        | 0.0422        | 0.5714        | 1.6600e-003        | 0.2012        | 1.1300e-003        | 0.2023        | 0.0534         | 1.0400e-003        | 0.0544        |          | 167.7899        | 167.7899        | 4.3800e-003        | 4.3200e-003        | 169.1853        |
| <b>Total</b> | <b>0.0607</b> | <b>0.0422</b> | <b>0.5714</b> | <b>1.6600e-003</b> | <b>0.2012</b> | <b>1.1300e-003</b> | <b>0.2023</b> | <b>0.0534</b>  | <b>1.0400e-003</b> | <b>0.0544</b> |          | <b>167.7899</b> | <b>167.7899</b> | <b>4.3800e-003</b> | <b>4.3200e-003</b> | <b>169.1853</b> |

Locust Avenue Development - South Coast AQMD Air District, Winter

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

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

|             | ROG    | NOx    | CO     | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2      | Total CO2      | CH4    | N2O    | CO2e           |
|-------------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------------|----------------|--------|--------|----------------|
| Category    | lb/day |        |        |        |               |              |            |                |               |             | lb/day   |                |                |        |        |                |
| Mitigated   | 0.2084 | 4.6931 | 3.6217 | 0.0288 | 1.6818        | 0.0345       | 1.7163     | 0.4582         | 0.0328        | 0.4910      |          | 3,080.730<br>0 | 3,080.730<br>0 | 0.1190 | 0.3743 | 3,195.234<br>0 |
| Unmitigated | 0.2084 | 4.6931 | 3.6217 | 0.0288 | 1.6818        | 0.0345       | 1.7163     | 0.4582         | 0.0328        | 0.4910      |          | 3,080.730<br>0 | 3,080.730<br>0 | 0.1190 | 0.3743 | 3,195.234<br>0 |

**4.2 Trip Summary Information**

| Land Use                   | Average Daily Trip Rate |               |               | Unmitigated    | Mitigated      |
|----------------------------|-------------------------|---------------|---------------|----------------|----------------|
|                            | Weekday                 | Saturday      | Sunday        | Annual VMT     | Annual VMT     |
| General Heavy Industry     | 169.41                  | 169.41        | 169.41        | 750,202        | 750,202        |
| Other Non-Asphalt Surfaces | 0.00                    | 0.00          | 0.00          |                |                |
| Parking Lot                | 0.00                    | 0.00          | 0.00          |                |                |
| <b>Total</b>               | <b>169.41</b>           | <b>169.41</b> | <b>169.41</b> | <b>750,202</b> | <b>750,202</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 |
| General Heavy Industry     | 16.60      | 8.40       | 6.90        | 59.00      | 28.00      | 13.00       | 92             | 5        | 3       |
| 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       |

Locust Avenue Development - South Coast AQMD Air District, Winter

**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       |
|----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| General Heavy Industry     | 0.604000 | 0.000000 | 0.000000 | 0.000000 | 0.006000 | 0.000000 | 0.112000 | 0.278000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| Other Non-Asphalt Surfaces | 0.543139 | 0.060749 | 0.184760 | 0.130258 | 0.023830 | 0.006353 | 0.011718 | 0.009137 | 0.000812 | 0.000509 | 0.024193 | 0.000750 | 0.003791 |
| Parking Lot                | 0.543139 | 0.060749 | 0.184760 | 0.130258 | 0.023830 | 0.006353 | 0.011718 | 0.009137 | 0.000812 | 0.000509 | 0.024193 | 0.000750 | 0.003791 |

**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   | 0.0925 | 0.8411 | 0.7066 | 5.0500e-003 |               | 0.0639       | 0.0639     |                | 0.0639        | 0.0639      |          | 1,009.3629 | 1,009.3629 | 0.0194 | 0.0185 | 1,015.3611 |
| NaturalGas Unmitigated | 0.0925 | 0.8411 | 0.7066 | 5.0500e-003 |               | 0.0639       | 0.0639     |                | 0.0639        | 0.0639      |          | 1,009.3629 | 1,009.3629 | 0.0194 | 0.0185 | 1,015.3611 |

Locust Avenue Development - South Coast AQMD Air District, 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   |                   |                   |               |               |                   |
| General Heavy Industry     | 8579.58        | 0.0925        | 0.8411        | 0.7066        | 5.0500e-003        |               | 0.0639        | 0.0639        |                | 0.0639        | 0.0639        |          | 1,009.3629        | 1,009.3629        | 0.0194        | 0.0185        | 1,015.3611        |
| 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>0.0925</b> | <b>0.8411</b> | <b>0.7066</b> | <b>5.0500e-003</b> |               | <b>0.0639</b> | <b>0.0639</b> |                | <b>0.0639</b> | <b>0.0639</b> |          | <b>1,009.3629</b> | <b>1,009.3629</b> | <b>0.0194</b> | <b>0.0185</b> | <b>1,015.3611</b> |

Locust Avenue Development - South Coast AQMD Air District, Winter

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

**5.2 Energy by Land Use - NaturalGas**

Mitigated

|                            | NaturalGas Use | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O           | CO2e              |
|----------------------------|----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|---------------|-------------------|
| Land Use                   | kBTU/yr        | lb/day        |               |               |                    |               |               |               |                |               |               | lb/day   |                   |                   |               |               |                   |
| General Heavy Industry     | 8.57958        | 0.0925        | 0.8411        | 0.7066        | 5.0500e-003        |               | 0.0639        | 0.0639        |                | 0.0639        | 0.0639        |          | 1,009.3629        | 1,009.3629        | 0.0194        | 0.0185        | 1,015.3611        |
| 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>0.0925</b> | <b>0.8411</b> | <b>0.7066</b> | <b>5.0500e-003</b> |               | <b>0.0639</b> | <b>0.0639</b> |                | <b>0.0639</b> | <b>0.0639</b> |          | <b>1,009.3629</b> | <b>1,009.3629</b> | <b>0.0194</b> | <b>0.0185</b> | <b>1,015.3611</b> |

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Locust Avenue Development - South Coast AQMD Air District, Winter

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

|             | ROG    | NOx         | CO     | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4         | N2O | CO2e   |
|-------------|--------|-------------|--------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|--------|
| Category    | lb/day |             |        |        |               |              |             |                |               |             | lb/day   |           |           |             |     |        |
| Mitigated   | 2.2144 | 1.9000e-004 | 0.0214 | 0.0000 |               | 8.0000e-005  | 8.0000e-005 |                | 8.0000e-005   | 8.0000e-005 |          | 0.0459    | 0.0459    | 1.2000e-004 |     | 0.0489 |
| Unmitigated | 2.2144 | 1.9000e-004 | 0.0214 | 0.0000 |               | 8.0000e-005  | 8.0000e-005 |                | 8.0000e-005   | 8.0000e-005 |          | 0.0459    | 0.0459    | 1.2000e-004 |     | 0.0489 |

**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 | 0.2546        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Consumer Products     | 1.9578        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Landscaping           | 1.9800e-003   | 1.9000e-004        | 0.0214        | 0.0000        |               | 8.0000e-005        | 8.0000e-005        |                | 8.0000e-005        | 8.0000e-005        |          | 0.0459        | 0.0459        | 1.2000e-004        |     | 0.0489        |
| <b>Total</b>          | <b>2.2144</b> | <b>1.9000e-004</b> | <b>0.0214</b> | <b>0.0000</b> |               | <b>8.0000e-005</b> | <b>8.0000e-005</b> |                | <b>8.0000e-005</b> | <b>8.0000e-005</b> |          | <b>0.0459</b> | <b>0.0459</b> | <b>1.2000e-004</b> |     | <b>0.0489</b> |



Locust Avenue Development - South Coast AQMD Air District, Winter

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

**6.2 Area by SubCategory**

Mitigated

|                       | ROG           | NOx                | CO            | SO2           | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2 | NBio- CO2     | Total CO2     | CH4                | N2O | CO2e          |
|-----------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|---------------|
| SubCategory           | lb/day        |                    |               |               |               |                    |                    |                |                    |                    | lb/day   |               |               |                    |     |               |
| Architectural Coating | 0.2546        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Consumer Products     | 1.9578        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Landscaping           | 1.9800e-003   | 1.9000e-004        | 0.0214        | 0.0000        |               | 8.0000e-005        | 8.0000e-005        |                | 8.0000e-005        | 8.0000e-005        |          | 0.0459        | 0.0459        | 1.2000e-004        |     | 0.0489        |
| <b>Total</b>          | <b>2.2144</b> | <b>1.9000e-004</b> | <b>0.0214</b> | <b>0.0000</b> |               | <b>8.0000e-005</b> | <b>8.0000e-005</b> |                | <b>8.0000e-005</b> | <b>8.0000e-005</b> |          | <b>0.0459</b> | <b>0.0459</b> | <b>1.2000e-004</b> |     | <b>0.0489</b> |

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

Locust Avenue Development - South Coast AQMD Air District, Winter

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

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

**10.0 Stationary Equipment**

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**Fire Pumps and Emergency Generators**

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

**Boilers**

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

**User Defined Equipment**

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

**11.0 Vegetation**

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