

**Appendix A**  
**CalEEMOD Air Quality and GHG Modeling**

University Medical Park - Salton Sea Air Basin, Annual

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

**University Medical Park  
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**1.0 Project Characteristics**

**1.1 Land Usage**

| Land Uses               | Size   | Metric   | Lot Acreage | Floor Surface Area | Population |
|-------------------------|--------|----------|-------------|--------------------|------------|
| Medical Office Building | 114.70 | 1000sqft | 5.27        | 114,700.00         | 0          |
| Parking Lot             | 581.00 | Space    | 5.23        | 232,400.00         | 0          |

**1.2 Other Project Characteristics**

|                                |                            |                                |       |                                  |       |
|--------------------------------|----------------------------|--------------------------------|-------|----------------------------------|-------|
| <b>Urbanization</b>            | Urban                      | <b>Wind Speed (m/s)</b>        | 3.4   | <b>Precipitation Freq (Days)</b> | 20    |
| <b>Climate Zone</b>            | 10                         |                                |       | <b>Operational Year</b>          | 2024  |
| <b>Utility Company</b>         | Southern California Edison |                                |       |                                  |       |
| <b>CO2 Intensity (lb/MWhr)</b> | 390.98                     | <b>CH4 Intensity (lb/MWhr)</b> | 0.033 | <b>N2O Intensity (lb/MWhr)</b>   | 0.004 |

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

- Project Characteristics -
- Land Use - 114,700 square foot medical office center.
- Construction Phase - Assumes 1 year buildout.
- On-road Fugitive Dust - All roads in project area are paved.
- Vehicle Trips - 4,129 daily trips per traffic study.
- Road Dust - All roads are paved.
- Construction Off-road Equipment Mitigation - Assumes standard dust control per SCAQMD Rule 403.1.
- Grading - Net export of 2620 CY per preliminary grading plans.

| Table Name             | Column Name                     | Default Value | New Value |
|------------------------|---------------------------------|---------------|-----------|
| tblConstDustMitigation | WaterUnpavedRoadMoistureContent | 0             | 0.5       |

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|                        |                              |        |          |
|------------------------|------------------------------|--------|----------|
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed | 0      | 40       |
| tblConstructionPhase   | NumDays                      | 20.00  | 33.00    |
| tblConstructionPhase   | NumDays                      | 300.00 | 220.00   |
| tblConstructionPhase   | NumDays                      | 20.00  | 30.00    |
| tblGrading             | MaterialExported             | 0.00   | 2,620.00 |
| tblLandUse             | LotAcreage                   | 2.63   | 5.27     |
| tblOnRoadDust          | HaulingPercentPave           | 50.00  | 100.00   |
| tblOnRoadDust          | HaulingPercentPave           | 50.00  | 100.00   |
| tblOnRoadDust          | HaulingPercentPave           | 50.00  | 100.00   |
| tblOnRoadDust          | HaulingPercentPave           | 50.00  | 100.00   |
| tblOnRoadDust          | HaulingPercentPave           | 50.00  | 100.00   |
| tblOnRoadDust          | VendorPercentPave            | 50.00  | 100.00   |
| tblOnRoadDust          | VendorPercentPave            | 50.00  | 100.00   |
| tblOnRoadDust          | VendorPercentPave            | 50.00  | 100.00   |
| tblOnRoadDust          | VendorPercentPave            | 50.00  | 100.00   |
| tblOnRoadDust          | VendorPercentPave            | 50.00  | 100.00   |
| tblOnRoadDust          | WorkerPercentPave            | 50.00  | 100.00   |
| tblOnRoadDust          | WorkerPercentPave            | 50.00  | 100.00   |
| tblOnRoadDust          | WorkerPercentPave            | 50.00  | 100.00   |
| tblOnRoadDust          | WorkerPercentPave            | 50.00  | 100.00   |
| tblOnRoadDust          | WorkerPercentPave            | 50.00  | 100.00   |
| tblRoadDust            | RoadPercentPave              | 50     | 100      |
| tblVehicleTrips        | ST_TR                        | 8.57   | 36.00    |
| tblVehicleTrips        | SU_TR                        | 1.42   | 36.00    |
| tblVehicleTrips        | WD_TR                        | 34.80  | 36.00    |

**2.0 Emissions Summary**

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| Quarter | Start Date | End Date  | Maximum Unmitigated ROG + NOX (tons/quarter) | Maximum Mitigated ROG + NOX (tons/quarter) |
|---------|------------|-----------|--|--|
| 1       | 1-2-2023   | 4-1-2023  | 1.0904                                       | 1.0904                                     |
| 2       | 4-2-2023   | 7-1-2023  | 0.6458                                       | 0.6458                                     |
| 3       | 7-2-2023   | 9-30-2023 | 0.6037                                       | 0.6037                                     |
|         |            | Highest   | 1.0904                                       | 1.0904                                     |

**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         | 0.5482        | 6.0000e-005   | 6.3800e-003    | 0.0000        |               | 2.0000e-005   | 2.0000e-005   |                | 2.0000e-005   | 2.0000e-005   | 0.0000          | 0.0124            | 0.0124            | 3.0000e-005    | 0.0000        | 0.0132            |
| Energy       | 2.1200e-003   | 0.0193        | 0.0162         | 1.2000e-004   |               | 1.4700e-003   | 1.4700e-003   |                | 1.4700e-003   | 1.4700e-003   | 0.0000          | 222.3584          | 222.3584          | 0.0174         | 2.4400e-003   | 223.5220          |
| Mobile       | 1.7929        | 2.0261        | 12.9699        | 0.0264        | 2.6585        | 0.0213        | 2.6798        | 0.7096         | 0.0199        | 0.7295        | 0.0000          | 2,437.9532        | 2,437.9532        | 0.1533         | 0.1395        | 2,483.3469        |
| Waste        |               |               |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 251.4571        | 0.0000            | 251.4571          | 14.8607        | 0.0000        | 622.9743          |
| Water        |               |               |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 4.5661          | 38.6372           | 43.2033           | 0.4722         | 0.0115        | 58.4272           |
| <b>Total</b> | <b>2.3432</b> | <b>2.0455</b> | <b>12.9924</b> | <b>0.0265</b> | <b>2.6585</b> | <b>0.0228</b> | <b>2.6813</b> | <b>0.7096</b>  | <b>0.0214</b> | <b>0.7310</b> | <b>256.0232</b> | <b>2,698.9612</b> | <b>2,954.9844</b> | <b>15.5036</b> | <b>0.1534</b> | <b>3,388.2836</b> |

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**2.2 Overall Operational**

**Mitigated Operational**

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2        | NBio- CO2         | Total CO2         | CH4            | N2O           | CO2e              |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|-----------------|-------------------|-------------------|----------------|---------------|-------------------|
| Category     | tons/yr       |               |                |               |               |               |               |                |               |               | MT/yr           |                   |                   |                |               |                   |
| Area         | 0.5482        | 6.0000e-005   | 6.3800e-003    | 0.0000        |               | 2.0000e-005   | 2.0000e-005   |                | 2.0000e-005   | 2.0000e-005   | 0.0000          | 0.0124            | 0.0124            | 3.0000e-005    | 0.0000        | 0.0132            |
| Energy       | 2.1200e-003   | 0.0193        | 0.0162         | 1.2000e-004   |               | 1.4700e-003   | 1.4700e-003   |                | 1.4700e-003   | 1.4700e-003   | 0.0000          | 222.3584          | 222.3584          | 0.0174         | 2.4400e-003   | 223.5220          |
| Mobile       | 1.7929        | 2.0261        | 12.9699        | 0.0264        | 2.6585        | 0.0213        | 2.6798        | 0.7096         | 0.0199        | 0.7295        | 0.0000          | 2,437.9532        | 2,437.9532        | 0.1533         | 0.1395        | 2,483.3469        |
| Waste        |               |               |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 251.4571        | 0.0000            | 251.4571          | 14.8607        | 0.0000        | 622.9743          |
| Water        |               |               |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 4.5661          | 38.6372           | 43.2033           | 0.4722         | 0.0115        | 58.4272           |
| <b>Total</b> | <b>2.3432</b> | <b>2.0455</b> | <b>12.9924</b> | <b>0.0265</b> | <b>2.6585</b> | <b>0.0228</b> | <b>2.6813</b> | <b>0.7096</b>  | <b>0.0214</b> | <b>0.7310</b> | <b>256.0232</b> | <b>2,698.9612</b> | <b>2,954.9844</b> | <b>15.5036</b> | <b>0.1534</b> | <b>3,388.2836</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> |

**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      | 1/2/2023   | 1/13/2023  | 5             | 10       |                   |
| 2            | Grading               | Grading               | 1/14/2023  | 2/24/2023  | 5             | 30       |                   |
| 3            | Building Construction | Building Construction | 2/25/2023  | 12/29/2023 | 5             | 220      |                   |

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|   |                       |                       |            |            |   |    |
|---|-----------------------|-----------------------|------------|------------|---|----|
| 4 | Paving                | Paving                | 3/1/2023   | 4/11/2023  | 5 | 30 |
| 5 | Architectural Coating | Architectural Coating | 11/15/2023 | 12/29/2023 | 5 | 33 |

**Acres of Grading (Site Preparation Phase): 15**

**Acres of Grading (Grading Phase): 90**

**Acres of Paving: 5.23**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 172,050; Non-Residential Outdoor: 57,350; Striped Parking Area: 13,944 (Architectural Coating – sqft)**

**OffRoad Equipment**

| Phase Name            | Offroad Equipment Type    | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Site Preparation      | Rubber Tired Dozers       | 3      | 8.00        | 247         | 0.40        |
| Site Preparation      | Tractors/Loaders/Backhoes | 4      | 8.00        | 97          | 0.37        |
| Grading               | Excavators                | 2      | 8.00        | 158         | 0.38        |
| Grading               | Graders                   | 1      | 8.00        | 187         | 0.41        |
| Grading               | Rubber Tired Dozers       | 1      | 8.00        | 247         | 0.40        |
| Grading               | Scrapers                  | 2      | 8.00        | 367         | 0.48        |
| Grading               | Tractors/Loaders/Backhoes | 2      | 8.00        | 97          | 0.37        |
| Building Construction | Cranes                    | 1      | 7.00        | 231         | 0.29        |
| Building Construction | Forklifts                 | 3      | 8.00        | 89          | 0.20        |
| Building Construction | Generator Sets            | 1      | 8.00        | 84          | 0.74        |
| Building Construction | Tractors/Loaders/Backhoes | 3      | 7.00        | 97          | 0.37        |
| Building Construction | Welders                   | 1      | 8.00        | 46          | 0.45        |
| Paving                | Pavers                    | 2      | 8.00        | 130         | 0.42        |
| Paving                | Paving Equipment          | 2      | 8.00        | 132         | 0.36        |
| Paving                | Rollers                   | 2      | 8.00        | 80          | 0.38        |
| Architectural Coating | Air Compressors           | 1      | 6.00        | 78          | 0.48        |

**Trips and VMT**

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| 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                | 11.00              | 5.40               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Grading               | 8                       | 20.00              | 0.00               | 328.00              | 11.00              | 5.40               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Building Construction | 9                       | 134.00             | 57.00              | 0.00                | 11.00              | 5.40               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Paving                | 6                       | 15.00              | 0.00               | 0.00                | 11.00              | 5.40               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Architectural Coating | 1                       | 27.00              | 0.00               | 0.00                | 11.00              | 5.40               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |

**3.1 Mitigation Measures Construction**

Water Exposed Area

**3.2 Site Preparation - 2023**

**Unmitigated Construction On-Site**

|               | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|---------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category      | tons/yr       |               |               |                    |               |                    |               |                |                    |               | MT/yr         |                |                |                    |               |                |
| Fugitive Dust |               |               |               |                    | 0.0983        | 0.0000             | 0.0983        | 0.0505         | 0.0000             | 0.0505        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Off-Road      | 0.0133        | 0.1376        | 0.0912        | 1.9000e-004        |               | 6.3300e-003        | 6.3300e-003   |                | 5.8200e-003        | 5.8200e-003   | 0.0000        | 16.7254        | 16.7254        | 5.4100e-003        | 0.0000        | 16.8606        |
| <b>Total</b>  | <b>0.0133</b> | <b>0.1376</b> | <b>0.0912</b> | <b>1.9000e-004</b> | <b>0.0983</b> | <b>6.3300e-003</b> | <b>0.1046</b> | <b>0.0505</b>  | <b>5.8200e-003</b> | <b>0.0563</b> | <b>0.0000</b> | <b>16.7254</b> | <b>16.7254</b> | <b>5.4100e-003</b> | <b>0.0000</b> | <b>16.8606</b> |



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**3.2 Site Preparation - 2023**

**Unmitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2                | Fugitive PM10      | Exhaust PM10  | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5 | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O                | CO2e          |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Category     | 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       | 3.2000e-004        | 2.0000e-004        | 2.5600e-003        | 1.0000e-005        | 7.4000e-004        | 0.0000        | 7.5000e-004        | 2.0000e-004        | 0.0000        | 2.0000e-004        | 0.0000        | 0.5827        | 0.5827        | 2.0000e-005        | 2.0000e-005        | 0.5883        |
| <b>Total</b> | <b>3.2000e-004</b> | <b>2.0000e-004</b> | <b>2.5600e-003</b> | <b>1.0000e-005</b> | <b>7.4000e-004</b> | <b>0.0000</b> | <b>7.5000e-004</b> | <b>2.0000e-004</b> | <b>0.0000</b> | <b>2.0000e-004</b> | <b>0.0000</b> | <b>0.5827</b> | <b>0.5827</b> | <b>2.0000e-005</b> | <b>2.0000e-005</b> | <b>0.5883</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 |               |               |               |                    | 0.0442        | 0.0000             | 0.0442        | 0.0227         | 0.0000             | 0.0227        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Off-Road      | 0.0133        | 0.1376        | 0.0912        | 1.9000e-004        |               | 6.3300e-003        | 6.3300e-003   |                | 5.8200e-003        | 5.8200e-003   | 0.0000        | 16.7253        | 16.7253        | 5.4100e-003        | 0.0000        | 16.8606        |
| <b>Total</b>  | <b>0.0133</b> | <b>0.1376</b> | <b>0.0912</b> | <b>1.9000e-004</b> | <b>0.0442</b> | <b>6.3300e-003</b> | <b>0.0506</b> | <b>0.0227</b>  | <b>5.8200e-003</b> | <b>0.0286</b> | <b>0.0000</b> | <b>16.7253</b> | <b>16.7253</b> | <b>5.4100e-003</b> | <b>0.0000</b> | <b>16.8606</b> |

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**3.2 Site Preparation - 2023**

**Mitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2                | Fugitive PM10      | Exhaust PM10  | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5 | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O                | CO2e          |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Category     | 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       | 3.2000e-004        | 2.0000e-004        | 2.5600e-003        | 1.0000e-005        | 7.4000e-004        | 0.0000        | 7.5000e-004        | 2.0000e-004        | 0.0000        | 2.0000e-004        | 0.0000        | 0.5827        | 0.5827        | 2.0000e-005        | 2.0000e-005        | 0.5883        |
| <b>Total</b> | <b>3.2000e-004</b> | <b>2.0000e-004</b> | <b>2.5600e-003</b> | <b>1.0000e-005</b> | <b>7.4000e-004</b> | <b>0.0000</b> | <b>7.5000e-004</b> | <b>2.0000e-004</b> | <b>0.0000</b> | <b>2.0000e-004</b> | <b>0.0000</b> | <b>0.5827</b> | <b>0.5827</b> | <b>2.0000e-005</b> | <b>2.0000e-005</b> | <b>0.5883</b> |

**3.3 Grading - 2023**

**Unmitigated Construction On-Site**

|               | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2      | Total CO2      | CH4           | N2O           | CO2e           |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category      | tons/yr       |               |               |                    |               |               |               |                |               |               | MT/yr         |                |                |               |               |                |
| Fugitive Dust |               |               |               |                    | 0.1383        | 0.0000        | 0.1383        | 0.0549         | 0.0000        | 0.0549        | 0.0000        | 0.0000         | 0.0000         | 0.0000        | 0.0000        | 0.0000         |
| Off-Road      | 0.0498        | 0.5177        | 0.4208        | 9.3000e-004        |               | 0.0214        | 0.0214        |                | 0.0197        | 0.0197        | 0.0000        | 81.8028        | 81.8028        | 0.0265        | 0.0000        | 82.4642        |
| <b>Total</b>  | <b>0.0498</b> | <b>0.5177</b> | <b>0.4208</b> | <b>9.3000e-004</b> | <b>0.1383</b> | <b>0.0214</b> | <b>0.1597</b> | <b>0.0549</b>  | <b>0.0197</b> | <b>0.0745</b> | <b>0.0000</b> | <b>81.8028</b> | <b>81.8028</b> | <b>0.0265</b> | <b>0.0000</b> | <b>82.4642</b> |

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

**3.3 Grading - 2023**

**Unmitigated Construction Off-Site**

|              | ROG                | NOx           | CO            | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O                | CO2e           |
|--------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|--------------------|----------------|
| Category     | tons/yr            |               |               |                    |                    |                    |                    |                    |                    |                    | MT/yr         |                |                |                    |                    |                |
| Hauling      | 3.9000e-004        | 0.0172        | 4.9500e-003   | 9.0000e-005        | 2.8500e-003        | 2.0000e-004        | 3.0500e-003        | 7.8000e-004        | 1.9000e-004        | 9.7000e-004        | 0.0000        | 8.5943         | 8.5943         | 6.0000e-005        | 1.3500e-003        | 8.9987         |
| 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       | 1.0600e-003        | 6.8000e-004   | 8.5300e-003   | 2.0000e-005        | 2.4800e-003        | 1.0000e-005        | 2.4900e-003        | 6.6000e-004        | 1.0000e-005        | 6.7000e-004        | 0.0000        | 1.9422         | 1.9422         | 6.0000e-005        | 6.0000e-005        | 1.9611         |
| <b>Total</b> | <b>1.4500e-003</b> | <b>0.0179</b> | <b>0.0135</b> | <b>1.1000e-004</b> | <b>5.3300e-003</b> | <b>2.1000e-004</b> | <b>5.5400e-003</b> | <b>1.4400e-003</b> | <b>2.0000e-004</b> | <b>1.6400e-003</b> | <b>0.0000</b> | <b>10.5365</b> | <b>10.5365</b> | <b>1.2000e-004</b> | <b>1.4100e-003</b> | <b>10.9597</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 |               |               |               |                    | 0.0622        | 0.0000        | 0.0622        | 0.0247         | 0.0000        | 0.0247        | 0.0000        | 0.0000         | 0.0000         | 0.0000        | 0.0000        | 0.0000         |
| Off-Road      | 0.0498        | 0.5177        | 0.4208        | 9.3000e-004        |               | 0.0214        | 0.0214        |                | 0.0197        | 0.0197        | 0.0000        | 81.8027        | 81.8027        | 0.0265        | 0.0000        | 82.4641        |
| <b>Total</b>  | <b>0.0498</b> | <b>0.5177</b> | <b>0.4208</b> | <b>9.3000e-004</b> | <b>0.0622</b> | <b>0.0214</b> | <b>0.0836</b> | <b>0.0247</b>  | <b>0.0197</b> | <b>0.0443</b> | <b>0.0000</b> | <b>81.8027</b> | <b>81.8027</b> | <b>0.0265</b> | <b>0.0000</b> | <b>82.4641</b> |

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

**3.3 Grading - 2023**

**Mitigated Construction Off-Site**

|              | ROG                | NOx           | CO            | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O                | CO2e           |
|--------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|--------------------|----------------|
| Category     | tons/yr            |               |               |                    |                    |                    |                    |                    |                    |                    | MT/yr         |                |                |                    |                    |                |
| Hauling      | 3.9000e-004        | 0.0172        | 4.9500e-003   | 9.0000e-005        | 2.8500e-003        | 2.0000e-004        | 3.0500e-003        | 7.8000e-004        | 1.9000e-004        | 9.7000e-004        | 0.0000        | 8.5943         | 8.5943         | 6.0000e-005        | 1.3500e-003        | 8.9987         |
| 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       | 1.0600e-003        | 6.8000e-004   | 8.5300e-003   | 2.0000e-005        | 2.4800e-003        | 1.0000e-005        | 2.4900e-003        | 6.6000e-004        | 1.0000e-005        | 6.7000e-004        | 0.0000        | 1.9422         | 1.9422         | 6.0000e-005        | 6.0000e-005        | 1.9611         |
| <b>Total</b> | <b>1.4500e-003</b> | <b>0.0179</b> | <b>0.0135</b> | <b>1.1000e-004</b> | <b>5.3300e-003</b> | <b>2.1000e-004</b> | <b>5.5400e-003</b> | <b>1.4400e-003</b> | <b>2.0000e-004</b> | <b>1.6400e-003</b> | <b>0.0000</b> | <b>10.5365</b> | <b>10.5365</b> | <b>1.2000e-004</b> | <b>1.4100e-003</b> | <b>10.9597</b> |

**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     | tons/yr       |               |               |                    |               |               |               |                |               |               | MT/yr         |                 |                 |               |               |                 |
| Off-Road     | 0.1730        | 1.5823        | 1.7868        | 2.9600e-003        |               | 0.0770        | 0.0770        |                | 0.0724        | 0.0724        | 0.0000        | 254.9852        | 254.9852        | 0.0607        | 0.0000        | 256.5017        |
| <b>Total</b> | <b>0.1730</b> | <b>1.5823</b> | <b>1.7868</b> | <b>2.9600e-003</b> |               | <b>0.0770</b> | <b>0.0770</b> |                | <b>0.0724</b> | <b>0.0724</b> | <b>0.0000</b> | <b>254.9852</b> | <b>254.9852</b> | <b>0.0607</b> | <b>0.0000</b> | <b>256.5017</b> |

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

**3.4 Building Construction - 2023**

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4                | N2O           | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|-----------------|-----------------|--------------------|---------------|-----------------|
| Category     | 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       | 8.8200e-003   | 0.1913        | 0.1059        | 9.2000e-004        | 0.0312        | 1.4100e-003        | 0.0326        | 9.0000e-003    | 1.3500e-003        | 0.0104        | 0.0000        | 88.1935         | 88.1935         | 6.7000e-004        | 0.0124        | 91.8981         |
| Worker       | 0.0523        | 0.0332        | 0.4192        | 1.0400e-003        | 0.1219        | 6.1000e-004        | 0.1225        | 0.0324         | 5.6000e-004        | 0.0329        | 0.0000        | 95.4260         | 95.4260         | 2.9000e-003        | 2.8700e-003   | 96.3541         |
| <b>Total</b> | <b>0.0611</b> | <b>0.2245</b> | <b>0.5251</b> | <b>1.9600e-003</b> | <b>0.1531</b> | <b>2.0200e-003</b> | <b>0.1551</b> | <b>0.0414</b>  | <b>1.9100e-003</b> | <b>0.0433</b> | <b>0.0000</b> | <b>183.6195</b> | <b>183.6195</b> | <b>3.5700e-003</b> | <b>0.0153</b> | <b>188.2522</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     | 0.1730        | 1.5823        | 1.7868        | 2.9600e-003        |               | 0.0770        | 0.0770        |                | 0.0724        | 0.0724        | 0.0000        | 254.9849        | 254.9849        | 0.0607        | 0.0000        | 256.5013        |
| <b>Total</b> | <b>0.1730</b> | <b>1.5823</b> | <b>1.7868</b> | <b>2.9600e-003</b> |               | <b>0.0770</b> | <b>0.0770</b> |                | <b>0.0724</b> | <b>0.0724</b> | <b>0.0000</b> | <b>254.9849</b> | <b>254.9849</b> | <b>0.0607</b> | <b>0.0000</b> | <b>256.5013</b> |

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

**3.4 Building Construction - 2023**

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4                | N2O           | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|-----------------|-----------------|--------------------|---------------|-----------------|
| Category     | 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       | 8.8200e-003   | 0.1913        | 0.1059        | 9.2000e-004        | 0.0312        | 1.4100e-003        | 0.0326        | 9.0000e-003    | 1.3500e-003        | 0.0104        | 0.0000        | 88.1935         | 88.1935         | 6.7000e-004        | 0.0124        | 91.8981         |
| Worker       | 0.0523        | 0.0332        | 0.4192        | 1.0400e-003        | 0.1219        | 6.1000e-004        | 0.1225        | 0.0324         | 5.6000e-004        | 0.0329        | 0.0000        | 95.4260         | 95.4260         | 2.9000e-003        | 2.8700e-003   | 96.3541         |
| <b>Total</b> | <b>0.0611</b> | <b>0.2245</b> | <b>0.5251</b> | <b>1.9600e-003</b> | <b>0.1531</b> | <b>2.0200e-003</b> | <b>0.1551</b> | <b>0.0414</b>  | <b>1.9100e-003</b> | <b>0.0433</b> | <b>0.0000</b> | <b>183.6195</b> | <b>183.6195</b> | <b>3.5700e-003</b> | <b>0.0153</b> | <b>188.2522</b> |

**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     | tons/yr       |               |               |                    |               |                    |                    |                |                    |                    | MT/yr         |                |                |                    |               |                |
| Off-Road     | 0.0155        | 0.1529        | 0.2188        | 3.4000e-004        |               | 7.6500e-003        | 7.6500e-003        |                | 7.0400e-003        | 7.0400e-003        | 0.0000        | 30.0403        | 30.0403        | 9.7200e-003        | 0.0000        | 30.2832        |
| Paving       | 6.8500e-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>0.0223</b> | <b>0.1529</b> | <b>0.2188</b> | <b>3.4000e-004</b> |               | <b>7.6500e-003</b> | <b>7.6500e-003</b> |                | <b>7.0400e-003</b> | <b>7.0400e-003</b> | <b>0.0000</b> | <b>30.0403</b> | <b>30.0403</b> | <b>9.7200e-003</b> | <b>0.0000</b> | <b>30.2832</b> |

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

**3.5 Paving - 2023**

**Unmitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O                | CO2e          |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Category     | 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       | 8.0000e-004        | 5.1000e-004        | 6.4000e-003        | 2.0000e-005        | 1.8600e-003        | 1.0000e-005        | 1.8700e-003        | 4.9000e-004        | 1.0000e-005        | 5.0000e-004        | 0.0000        | 1.4566        | 1.4566        | 4.0000e-005        | 4.0000e-005        | 1.4708        |
| <b>Total</b> | <b>8.0000e-004</b> | <b>5.1000e-004</b> | <b>6.4000e-003</b> | <b>2.0000e-005</b> | <b>1.8600e-003</b> | <b>1.0000e-005</b> | <b>1.8700e-003</b> | <b>4.9000e-004</b> | <b>1.0000e-005</b> | <b>5.0000e-004</b> | <b>0.0000</b> | <b>1.4566</b> | <b>1.4566</b> | <b>4.0000e-005</b> | <b>4.0000e-005</b> | <b>1.4708</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     | 0.0155        | 0.1529        | 0.2188        | 3.4000e-004        |               | 7.6500e-003        | 7.6500e-003        |                | 7.0400e-003        | 7.0400e-003        | 0.0000        | 30.0403        | 30.0403        | 9.7200e-003        | 0.0000        | 30.2832        |
| Paving       | 6.8500e-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>0.0223</b> | <b>0.1529</b> | <b>0.2188</b> | <b>3.4000e-004</b> |               | <b>7.6500e-003</b> | <b>7.6500e-003</b> |                | <b>7.0400e-003</b> | <b>7.0400e-003</b> | <b>0.0000</b> | <b>30.0403</b> | <b>30.0403</b> | <b>9.7200e-003</b> | <b>0.0000</b> | <b>30.2832</b> |

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

**3.5 Paving - 2023**

**Mitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O                | CO2e          |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Category     | 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       | 8.0000e-004        | 5.1000e-004        | 6.4000e-003        | 2.0000e-005        | 1.8600e-003        | 1.0000e-005        | 1.8700e-003        | 4.9000e-004        | 1.0000e-005        | 5.0000e-004        | 0.0000        | 1.4566        | 1.4566        | 4.0000e-005        | 4.0000e-005        | 1.4708        |
| <b>Total</b> | <b>8.0000e-004</b> | <b>5.1000e-004</b> | <b>6.4000e-003</b> | <b>2.0000e-005</b> | <b>1.8600e-003</b> | <b>1.0000e-005</b> | <b>1.8700e-003</b> | <b>4.9000e-004</b> | <b>1.0000e-005</b> | <b>5.0000e-004</b> | <b>0.0000</b> | <b>1.4566</b> | <b>1.4566</b> | <b>4.0000e-005</b> | <b>4.0000e-005</b> | <b>1.4708</b> |

**3.6 Architectural Coating - 2023**

**Unmitigated Construction On-Site**

|                 | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|-----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category        | tons/yr       |               |               |                    |               |                    |                    |                |                    |                    | MT/yr         |               |               |                    |               |               |
| Archit. Coating | 0.8459        |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Off-Road        | 3.1600e-003   | 0.0215        | 0.0299        | 5.0000e-005        |               | 1.1700e-003        | 1.1700e-003        |                | 1.1700e-003        | 1.1700e-003        | 0.0000        | 4.2129        | 4.2129        | 2.5000e-004        | 0.0000        | 4.2192        |
| <b>Total</b>    | <b>0.8491</b> | <b>0.0215</b> | <b>0.0299</b> | <b>5.0000e-005</b> |               | <b>1.1700e-003</b> | <b>1.1700e-003</b> |                | <b>1.1700e-003</b> | <b>1.1700e-003</b> | <b>0.0000</b> | <b>4.2129</b> | <b>4.2129</b> | <b>2.5000e-004</b> | <b>0.0000</b> | <b>4.2192</b> |



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

**3.6 Architectural Coating - 2023**

**Unmitigated Construction Off-Site**

|              | ROG                | NOx                | CO            | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O                | CO2e          |
|--------------|--------------------|--------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Category     | 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       | 1.5800e-003        | 1.0000e-003        | 0.0127        | 3.0000e-005        | 3.6800e-003        | 2.0000e-005        | 3.7000e-003        | 9.8000e-004        | 2.0000e-005        | 9.9000e-004        | 0.0000        | 2.8841        | 2.8841        | 9.0000e-005        | 9.0000e-005        | 2.9122        |
| <b>Total</b> | <b>1.5800e-003</b> | <b>1.0000e-003</b> | <b>0.0127</b> | <b>3.0000e-005</b> | <b>3.6800e-003</b> | <b>2.0000e-005</b> | <b>3.7000e-003</b> | <b>9.8000e-004</b> | <b>2.0000e-005</b> | <b>9.9000e-004</b> | <b>0.0000</b> | <b>2.8841</b> | <b>2.8841</b> | <b>9.0000e-005</b> | <b>9.0000e-005</b> | <b>2.9122</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 | 0.8459        |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Off-Road        | 3.1600e-003   | 0.0215        | 0.0299        | 5.0000e-005        |               | 1.1700e-003        | 1.1700e-003        |                | 1.1700e-003        | 1.1700e-003        | 0.0000        | 4.2129        | 4.2129        | 2.5000e-004        | 0.0000        | 4.2192        |
| <b>Total</b>    | <b>0.8491</b> | <b>0.0215</b> | <b>0.0299</b> | <b>5.0000e-005</b> |               | <b>1.1700e-003</b> | <b>1.1700e-003</b> |                | <b>1.1700e-003</b> | <b>1.1700e-003</b> | <b>0.0000</b> | <b>4.2129</b> | <b>4.2129</b> | <b>2.5000e-004</b> | <b>0.0000</b> | <b>4.2192</b> |

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

**3.6 Architectural Coating - 2023**

**Mitigated Construction Off-Site**

|              | ROG                | NOx                | CO            | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O                | CO2e          |
|--------------|--------------------|--------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Category     | 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       | 1.5800e-003        | 1.0000e-003        | 0.0127        | 3.0000e-005        | 3.6800e-003        | 2.0000e-005        | 3.7000e-003        | 9.8000e-004        | 2.0000e-005        | 9.9000e-004        | 0.0000        | 2.8841        | 2.8841        | 9.0000e-005        | 9.0000e-005        | 2.9122        |
| <b>Total</b> | <b>1.5800e-003</b> | <b>1.0000e-003</b> | <b>0.0127</b> | <b>3.0000e-005</b> | <b>3.6800e-003</b> | <b>2.0000e-005</b> | <b>3.7000e-003</b> | <b>9.8000e-004</b> | <b>2.0000e-005</b> | <b>9.9000e-004</b> | <b>0.0000</b> | <b>2.8841</b> | <b>2.8841</b> | <b>9.0000e-005</b> | <b>9.0000e-005</b> | <b>2.9122</b> |

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

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

|             | ROG     | NOx    | CO      | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2  | Total CO2  | CH4    | N2O    | CO2e       |
|-------------|---------|--------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|--------|------------|
| Category    | tons/yr |        |         |        |               |              |            |                |               |             | MT/yr    |            |            |        |        |            |
| Mitigated   | 1.7929  | 2.0261 | 12.9699 | 0.0264 | 2.6585        | 0.0213       | 2.6798     | 0.7096         | 0.0199        | 0.7295      | 0.0000   | 2,437.9532 | 2,437.9532 | 0.1533 | 0.1395 | 2,483.3469 |
| Unmitigated | 1.7929  | 2.0261 | 12.9699 | 0.0264 | 2.6585        | 0.0213       | 2.6798     | 0.7096         | 0.0199        | 0.7295      | 0.0000   | 2,437.9532 | 2,437.9532 | 0.1533 | 0.1395 | 2,483.3469 |

**4.2 Trip Summary Information**

| Land Use                | Average Daily Trip Rate |                 |                 | Unmitigated      | Mitigated        |
|-------------------------|-------------------------|-----------------|-----------------|------------------|------------------|
|                         | Weekday                 | Saturday        | Sunday          | Annual VMT       | Annual VMT       |
| Medical Office Building | 4,129.20                | 4,129.20        | 4129.20         | 6,999,966        | 6,999,966        |
| Parking Lot             | 0.00                    | 0.00            | 0.00            |                  |                  |
| <b>Total</b>            | <b>4,129.20</b>         | <b>4,129.20</b> | <b>4,129.20</b> | <b>6,999,966</b> | <b>6,999,966</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 |
| Medical Office Building | 12.50      | 4.20       | 5.40        | 29.60      | 51.40      | 19.00       | 60             | 30       | 10      |
| Parking Lot             | 12.50      | 4.20       | 5.40        | 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       |
|-------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Medical Office Building | 0.517338 | 0.060386 | 0.185787 | 0.145354 | 0.024998 | 0.006973 | 0.010710 | 0.020387 | 0.000864 | 0.000234 | 0.022051 | 0.000914 | 0.004004 |
| Parking Lot             | 0.517338 | 0.060386 | 0.185787 | 0.145354 | 0.024998 | 0.006973 | 0.010710 | 0.020387 | 0.000864 | 0.000234 | 0.022051 | 0.000914 | 0.004004 |

**5.0 Energy Detail**

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

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

|                         | ROG         | NOx    | CO     | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4         | N2O         | CO2e     |
|-------------------------|-------------|--------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|----------|
| Category                | tons/yr     |        |        |             |               |              |             |                |               |             | MT/yr    |           |           |             |             |          |
| Electricity Mitigated   |             |        |        |             |               | 0.0000       | 0.0000      |                | 0.0000        | 0.0000      | 0.0000   | 201.3640  | 201.3640  | 0.0170      | 2.0600e-003 | 202.4028 |
| Electricity Unmitigated |             |        |        |             |               | 0.0000       | 0.0000      |                | 0.0000        | 0.0000      | 0.0000   | 201.3640  | 201.3640  | 0.0170      | 2.0600e-003 | 202.4028 |
| NaturalGas Mitigated    | 2.1200e-003 | 0.0193 | 0.0162 | 1.2000e-004 |               | 1.4700e-003  | 1.4700e-003 |                | 1.4700e-003   | 1.4700e-003 | 0.0000   | 20.9944   | 20.9944   | 4.0000e-004 | 3.8000e-004 | 21.1192  |
| NaturalGas Unmitigated  | 2.1200e-003 | 0.0193 | 0.0162 | 1.2000e-004 |               | 1.4700e-003  | 1.4700e-003 |                | 1.4700e-003   | 1.4700e-003 | 0.0000   | 20.9944   | 20.9944   | 4.0000e-004 | 3.8000e-004 | 21.1192  |

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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         |                |                |                    |                    |                |
| Medical Office Building | 393421         | 2.1200e-003        | 0.0193        | 0.0162        | 1.2000e-004        |               | 1.4700e-003        | 1.4700e-003        |                | 1.4700e-003        | 1.4700e-003        | 0.0000        | 20.9944        | 20.9944        | 4.0000e-004        | 3.8000e-004        | 21.1192        |
| 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>2.1200e-003</b> | <b>0.0193</b> | <b>0.0162</b> | <b>1.2000e-004</b> |               | <b>1.4700e-003</b> | <b>1.4700e-003</b> |                | <b>1.4700e-003</b> | <b>1.4700e-003</b> | <b>0.0000</b> | <b>20.9944</b> | <b>20.9944</b> | <b>4.0000e-004</b> | <b>3.8000e-004</b> | <b>21.1192</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        | tons/yr            |               |               |                    |               |                    |                    |                |                    |                    | MT/yr         |                |                |                    |                    |                |
| Medical Office Building | 393421         | 2.1200e-003        | 0.0193        | 0.0162        | 1.2000e-004        |               | 1.4700e-003        | 1.4700e-003        |                | 1.4700e-003        | 1.4700e-003        | 0.0000        | 20.9944        | 20.9944        | 4.0000e-004        | 3.8000e-004        | 21.1192        |
| 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>2.1200e-003</b> | <b>0.0193</b> | <b>0.0162</b> | <b>1.2000e-004</b> |               | <b>1.4700e-003</b> | <b>1.4700e-003</b> |                | <b>1.4700e-003</b> | <b>1.4700e-003</b> | <b>0.0000</b> | <b>20.9944</b> | <b>20.9944</b> | <b>4.0000e-004</b> | <b>3.8000e-004</b> | <b>21.1192</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           |               |                    |                 |
| Medical Office Building | 1.05409e+006    | 186.9387        | 0.0158        | 1.9100e-003        | 187.9031        |
| Parking Lot             | 81340           | 14.4253         | 1.2200e-003   | 1.5000e-004        | 14.4997         |
| <b>Total</b>            |                 | <b>201.3640</b> | <b>0.0170</b> | <b>2.0600e-003</b> | <b>202.4028</b> |

**Mitigated**

|                         | Electricity Use | Total CO2       | CH4           | N2O                | CO2e            |
|-------------------------|-----------------|-----------------|---------------|--------------------|-----------------|
| Land Use                | kWh/yr          | MT/yr           |               |                    |                 |
| Medical Office Building | 1.05409e+006    | 186.9387        | 0.0158        | 1.9100e-003        | 187.9031        |
| Parking Lot             | 81340           | 14.4253         | 1.2200e-003   | 1.5000e-004        | 14.4997         |
| <b>Total</b>            |                 | <b>201.3640</b> | <b>0.0170</b> | <b>2.0600e-003</b> | <b>202.4028</b> |

**6.0 Area Detail**

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

**6.1 Mitigation Measures Area**

|             | ROG     | NOx         | CO          | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4         | N2O    | CO2e   |
|-------------|---------|-------------|-------------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|--------|--------|
| Category    | tons/yr |             |             |        |               |              |             |                |               |             | MT/yr    |           |           |             |        |        |
| Mitigated   | 0.5482  | 6.0000e-005 | 6.3800e-003 | 0.0000 |               | 2.0000e-005  | 2.0000e-005 |                | 2.0000e-005   | 2.0000e-005 | 0.0000   | 0.0124    | 0.0124    | 3.0000e-005 | 0.0000 | 0.0132 |
| Unmitigated | 0.5482  | 6.0000e-005 | 6.3800e-003 | 0.0000 |               | 2.0000e-005  | 2.0000e-005 |                | 2.0000e-005   | 2.0000e-005 | 0.0000   | 0.0124    | 0.0124    | 3.0000e-005 | 0.0000 | 0.0132 |

**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 | 0.0846        |                    |                    |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Consumer Products     | 0.4630        |                    |                    |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Landscaping           | 5.9000e-004   | 6.0000e-005        | 6.3800e-003        | 0.0000        |               | 2.0000e-005        | 2.0000e-005        |                | 2.0000e-005        | 2.0000e-005        | 0.0000        | 0.0124        | 0.0124        | 3.0000e-005        | 0.0000        | 0.0132        |
| <b>Total</b>          | <b>0.5482</b> | <b>6.0000e-005</b> | <b>6.3800e-003</b> | <b>0.0000</b> |               | <b>2.0000e-005</b> | <b>2.0000e-005</b> |                | <b>2.0000e-005</b> | <b>2.0000e-005</b> | <b>0.0000</b> | <b>0.0124</b> | <b>0.0124</b> | <b>3.0000e-005</b> | <b>0.0000</b> | <b>0.0132</b> |

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

**6.2 Area by SubCategory**

Mitigated

|                       | ROG           | NOx                | CO                 | SO2           | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|-----------------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| SubCategory           | tons/yr       |                    |                    |               |               |                    |                    |                |                    |                    | MT/yr         |               |               |                    |               |               |
| Architectural Coating | 0.0846        |                    |                    |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Consumer Products     | 0.4630        |                    |                    |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Landscaping           | 5.9000e-004   | 6.0000e-005        | 6.3800e-003        | 0.0000        |               | 2.0000e-005        | 2.0000e-005        |                | 2.0000e-005        | 2.0000e-005        | 0.0000        | 0.0124        | 0.0124        | 3.0000e-005        | 0.0000        | 0.0132        |
| <b>Total</b>          | <b>0.5482</b> | <b>6.0000e-005</b> | <b>6.3800e-003</b> | <b>0.0000</b> |               | <b>2.0000e-005</b> | <b>2.0000e-005</b> |                | <b>2.0000e-005</b> | <b>2.0000e-005</b> | <b>0.0000</b> | <b>0.0124</b> | <b>0.0124</b> | <b>3.0000e-005</b> | <b>0.0000</b> | <b>0.0132</b> |

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**



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

|             | Total CO2 | CH4    | N2O    | CO2e    |
|-------------|-----------|--------|--------|---------|
| Category    | MT/yr     |        |        |         |
| Mitigated   | 43.2033   | 0.4722 | 0.0115 | 58.4272 |
| Unmitigated | 43.2033   | 0.4722 | 0.0115 | 58.4272 |

**7.2 Water by Land Use**

**Unmitigated**

|                         | Indoor/Outdoor Use | Total CO2      | CH4           | N2O           | CO2e           |
|-------------------------|--------------------|----------------|---------------|---------------|----------------|
| Land Use                | Mgal               | MT/yr          |               |               |                |
| Medical Office Building | 14.3926 / 2.74145  | 43.2033        | 0.4722        | 0.0115        | 58.4272        |
| Parking Lot             | 0 / 0              | 0.0000         | 0.0000        | 0.0000        | 0.0000         |
| <b>Total</b>            |                    | <b>43.2033</b> | <b>0.4722</b> | <b>0.0115</b> | <b>58.4272</b> |

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

**7.2 Water by Land Use**

Mitigated

|                         | Indoor/Outdoor Use | Total CO2      | CH4           | N2O           | CO2e           |
|-------------------------|--------------------|----------------|---------------|---------------|----------------|
| Land Use                | Mgal               | MT/yr          |               |               |                |
| Medical Office Building | 14.3926 / 2.74145  | 43.2033        | 0.4722        | 0.0115        | 58.4272        |
| Parking Lot             | 0 / 0              | 0.0000         | 0.0000        | 0.0000        | 0.0000         |
| <b>Total</b>            |                    | <b>43.2033</b> | <b>0.4722</b> | <b>0.0115</b> | <b>58.4272</b> |

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Category/Year

|             | Total CO2 | CH4     | N2O    | CO2e     |
|-------------|-----------|---------|--------|----------|
|             | MT/yr     |         |        |          |
| Mitigated   | 251.4571  | 14.8607 | 0.0000 | 622.9743 |
| Unmitigated | 251.4571  | 14.8607 | 0.0000 | 622.9743 |

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

**8.2 Waste by Land Use**

**Unmitigated**

|                         | Waste Disposed | Total CO2       | CH4            | N2O           | CO2e            |
|-------------------------|----------------|-----------------|----------------|---------------|-----------------|
| Land Use                | tons           | MT/yr           |                |               |                 |
| Medical Office Building | 1238.76        | 251.4571        | 14.8607        | 0.0000        | 622.9743        |
| Parking Lot             | 0              | 0.0000          | 0.0000         | 0.0000        | 0.0000          |
| <b>Total</b>            |                | <b>251.4571</b> | <b>14.8607</b> | <b>0.0000</b> | <b>622.9743</b> |

**Mitigated**

|                         | Waste Disposed | Total CO2       | CH4            | N2O           | CO2e            |
|-------------------------|----------------|-----------------|----------------|---------------|-----------------|
| Land Use                | tons           | MT/yr           |                |               |                 |
| Medical Office Building | 1238.76        | 251.4571        | 14.8607        | 0.0000        | 622.9743        |
| Parking Lot             | 0              | 0.0000          | 0.0000         | 0.0000        | 0.0000          |
| <b>Total</b>            |                | <b>251.4571</b> | <b>14.8607</b> | <b>0.0000</b> | <b>622.9743</b> |

**9.0 Operational Offroad**

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University Medical Park - Salton Sea Air Basin, Annual

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

| 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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University Medical Park - Salton Sea Air Basin, Summer

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

**University Medical Park  
Salton Sea Air Basin, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

| Land Uses               | Size   | Metric   | Lot Acreage | Floor Surface Area | Population |
|-------------------------|--------|----------|-------------|--------------------|------------|
| Medical Office Building | 114.70 | 1000sqft | 5.27        | 114,700.00         | 0          |
| Parking Lot             | 581.00 | Space    | 5.23        | 232,400.00         | 0          |

**1.2 Other Project Characteristics**

|                                |                            |                                |       |                                  |       |
|--------------------------------|----------------------------|--------------------------------|-------|----------------------------------|-------|
| <b>Urbanization</b>            | Urban                      | <b>Wind Speed (m/s)</b>        | 3.4   | <b>Precipitation Freq (Days)</b> | 20    |
| <b>Climate Zone</b>            | 10                         |                                |       | <b>Operational Year</b>          | 2024  |
| <b>Utility Company</b>         | Southern California Edison |                                |       |                                  |       |
| <b>CO2 Intensity (lb/MWhr)</b> | 390.98                     | <b>CH4 Intensity (lb/MWhr)</b> | 0.033 | <b>N2O Intensity (lb/MWhr)</b>   | 0.004 |

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

- Project Characteristics -
- Land Use - 114,700 square foot medical office center.
- Construction Phase - Assumes 1 year buildout.
- On-road Fugitive Dust - All roads in project area are paved.
- Vehicle Trips - 4,129 daily trips per traffic study.
- Road Dust - All roads are paved.
- Construction Off-road Equipment Mitigation - Assumes standard dust control per SCAQMD Rule 403.1.
- Grading - Net export of 2620 CY per preliminary grading plans.

| Table Name             | Column Name                     | Default Value | New Value |
|------------------------|---------------------------------|---------------|-----------|
| tblConstDustMitigation | WaterUnpavedRoadMoistureContent | 0             | 0.5       |

University Medical Park - Salton Sea Air Basin, Summer

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

|                        |                              |        |          |
|------------------------|------------------------------|--------|----------|
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed | 0      | 40       |
| tblConstructionPhase   | NumDays                      | 20.00  | 33.00    |
| tblConstructionPhase   | NumDays                      | 300.00 | 220.00   |
| tblConstructionPhase   | NumDays                      | 20.00  | 30.00    |
| tblGrading             | MaterialExported             | 0.00   | 2,620.00 |
| tblLandUse             | LotAcreage                   | 2.63   | 5.27     |
| tblOnRoadDust          | HaulingPercentPave           | 50.00  | 100.00   |
| tblOnRoadDust          | HaulingPercentPave           | 50.00  | 100.00   |
| tblOnRoadDust          | HaulingPercentPave           | 50.00  | 100.00   |
| tblOnRoadDust          | HaulingPercentPave           | 50.00  | 100.00   |
| tblOnRoadDust          | HaulingPercentPave           | 50.00  | 100.00   |
| tblOnRoadDust          | VendorPercentPave            | 50.00  | 100.00   |
| tblOnRoadDust          | VendorPercentPave            | 50.00  | 100.00   |
| tblOnRoadDust          | VendorPercentPave            | 50.00  | 100.00   |
| tblOnRoadDust          | VendorPercentPave            | 50.00  | 100.00   |
| tblOnRoadDust          | VendorPercentPave            | 50.00  | 100.00   |
| tblOnRoadDust          | WorkerPercentPave            | 50.00  | 100.00   |
| tblOnRoadDust          | WorkerPercentPave            | 50.00  | 100.00   |
| tblOnRoadDust          | WorkerPercentPave            | 50.00  | 100.00   |
| tblOnRoadDust          | WorkerPercentPave            | 50.00  | 100.00   |
| tblOnRoadDust          | WorkerPercentPave            | 50.00  | 100.00   |
| tblRoadDust            | RoadPercentPave              | 50     | 100      |
| tblVehicleTrips        | ST_TR                        | 8.57   | 36.00    |
| tblVehicleTrips        | SU_TR                        | 1.42   | 36.00    |
| tblVehicleTrips        | WD_TR                        | 34.80  | 36.00    |

**2.0 Emissions Summary**

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University Medical Park - Salton Sea Air Basin, 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         | 3.0070         | 6.4000e-004    | 0.0709         | 1.0000e-005   |                | 2.5000e-004   | 2.5000e-004    |                | 2.5000e-004   | 2.5000e-004   |          | 0.1523             | 0.1523             | 4.0000e-004   |               | 0.1622             |
| Energy       | 0.0116         | 0.1057         | 0.0888         | 6.3000e-004   |                | 8.0300e-003   | 8.0300e-003    |                | 8.0300e-003   | 8.0300e-003   |          | 126.8077           | 126.8077           | 2.4300e-003   | 2.3200e-003   | 127.5613           |
| Mobile       | 13.1049        | 10.7002        | 82.8811        | 0.1556        | 14.7815        | 0.1169        | 14.8984        | 3.9418         | 0.1094        | 4.0511        |          | 15,833.7952        | 15,833.7952        | 0.9216        | 0.8463        | 16,109.0396        |
| <b>Total</b> | <b>16.1235</b> | <b>10.8065</b> | <b>83.0408</b> | <b>0.1562</b> | <b>14.7815</b> | <b>0.1252</b> | <b>14.9067</b> | <b>3.9418</b>  | <b>0.1177</b> | <b>4.0594</b> |          | <b>15,960.7552</b> | <b>15,960.7552</b> | <b>0.9244</b> | <b>0.8487</b> | <b>16,236.7631</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         | 3.0070         | 6.4000e-004    | 0.0709         | 1.0000e-005   |                | 2.5000e-004   | 2.5000e-004    |                | 2.5000e-004   | 2.5000e-004   |          | 0.1523             | 0.1523             | 4.0000e-004   |               | 0.1622             |
| Energy       | 0.0116         | 0.1057         | 0.0888         | 6.3000e-004   |                | 8.0300e-003   | 8.0300e-003    |                | 8.0300e-003   | 8.0300e-003   |          | 126.8077           | 126.8077           | 2.4300e-003   | 2.3200e-003   | 127.5613           |
| Mobile       | 13.1049        | 10.7002        | 82.8811        | 0.1556        | 14.7815        | 0.1169        | 14.8984        | 3.9418         | 0.1094        | 4.0511        |          | 15,833.7952        | 15,833.7952        | 0.9216        | 0.8463        | 16,109.0396        |
| <b>Total</b> | <b>16.1235</b> | <b>10.8065</b> | <b>83.0408</b> | <b>0.1562</b> | <b>14.7815</b> | <b>0.1252</b> | <b>14.9067</b> | <b>3.9418</b>  | <b>0.1177</b> | <b>4.0594</b> |          | <b>15,960.7552</b> | <b>15,960.7552</b> | <b>0.9244</b> | <b>0.8487</b> | <b>16,236.7631</b> |



University Medical Park - Salton Sea Air Basin, 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 |

**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      | 1/2/2023   | 1/13/2023  | 5             | 10       |                   |
| 2            | Grading               | Grading               | 1/14/2023  | 2/24/2023  | 5             | 30       |                   |
| 3            | Building Construction | Building Construction | 2/25/2023  | 12/29/2023 | 5             | 220      |                   |
| 4            | Paving                | Paving                | 3/1/2023   | 4/11/2023  | 5             | 30       |                   |
| 5            | Architectural Coating | Architectural Coating | 11/15/2023 | 12/29/2023 | 5             | 33       |                   |

**Acres of Grading (Site Preparation Phase): 15**

**Acres of Grading (Grading Phase): 90**

**Acres of Paving: 5.23**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 172,050; Non-Residential Outdoor: 57,350; Striped Parking Area: 13,944 (Architectural Coating – sqft)**

**OffRoad Equipment**

| Phase Name       | Offroad Equipment Type    | Amount | Usage Hours | Horse Power | Load Factor |
|------------------|---------------------------|--------|-------------|-------------|-------------|
| Site Preparation | Rubber Tired Dozers       | 3      | 8.00        | 247         | 0.40        |
| Site Preparation | Tractors/Loaders/Backhoes | 4      | 8.00        | 97          | 0.37        |
| Grading          | Excavators                | 2      | 8.00        | 158         | 0.38        |
| Grading          | Graders                   | 1      | 8.00        | 187         | 0.41        |
| Grading          | Rubber Tired Dozers       | 1      | 8.00        | 247         | 0.40        |
| Grading          | Scrapers                  | 2      | 8.00        | 367         | 0.48        |

University Medical Park - Salton Sea Air Basin, Summer

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

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

**Trips and VMT**

| Phase Name            | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Site Preparation      | 7                       | 18.00              | 0.00               | 0.00                | 11.00              | 5.40               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Grading               | 8                       | 20.00              | 0.00               | 328.00              | 11.00              | 5.40               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Building Construction | 9                       | 134.00             | 57.00              | 0.00                | 11.00              | 5.40               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Paving                | 6                       | 15.00              | 0.00               | 0.00                | 11.00              | 5.40               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Architectural Coating | 1                       | 27.00              | 0.00               | 0.00                | 11.00              | 5.40               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |

**3.1 Mitigation Measures Construction**

Water Exposed Area

University Medical Park - Salton Sea Air Basin, Summer

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

**3.2 Site Preparation - 2023**

**Unmitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10  | Exhaust PM10  | PM10 Total     | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total    | Bio- CO2 | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|---------------|---------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|----------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category      | lb/day        |                |                |               |                |               |                |                |               |                | lb/day   |                        |                        |               |     |                        |
| Fugitive Dust |               |                |                |               | 19.6570        | 0.0000        | 19.6570        | 10.1025        | 0.0000        | 10.1025        |          |                        | 0.0000                 |               |     | 0.0000                 |
| Off-Road      | 2.6595        | 27.5242        | 18.2443        | 0.0381        |                | 1.2660        | 1.2660         |                | 1.1647        | 1.1647         |          | 3,687.308<br>1         | 3,687.308<br>1         | 1.1926        |     | 3,717.121<br>9         |
| <b>Total</b>  | <b>2.6595</b> | <b>27.5242</b> | <b>18.2443</b> | <b>0.0381</b> | <b>19.6570</b> | <b>1.2660</b> | <b>20.9230</b> | <b>10.1025</b> | <b>1.1647</b> | <b>11.2672</b> |          | <b>3,687.308<br/>1</b> | <b>3,687.308<br/>1</b> | <b>1.1926</b> |     | <b>3,717.121<br/>9</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       | 0.0786        | 0.0405        | 0.6404        | 1.3900e-003        | 0.1506        | 7.4000e-004        | 0.1513        | 0.0400         | 6.8000e-004        | 0.0406        |          | 140.8882        | 140.8882        | 4.0400e-003        | 3.8800e-003        | 142.1464        |
| <b>Total</b> | <b>0.0786</b> | <b>0.0405</b> | <b>0.6404</b> | <b>1.3900e-003</b> | <b>0.1506</b> | <b>7.4000e-004</b> | <b>0.1513</b> | <b>0.0400</b>  | <b>6.8000e-004</b> | <b>0.0406</b> |          | <b>140.8882</b> | <b>140.8882</b> | <b>4.0400e-003</b> | <b>3.8800e-003</b> | <b>142.1464</b> |

University Medical Park - Salton Sea Air Basin, Summer

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

**3.2 Site Preparation - 2023**

**Mitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total     | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|-----|------------------------|
| Category      | lb/day        |                |                |               |               |               |                |                |               |               | lb/day        |                        |                        |               |     |                        |
| Fugitive Dust |               |                |                |               | 8.8457        | 0.0000        | 8.8457         | 4.5461         | 0.0000        | 4.5461        |               |                        | 0.0000                 |               |     | 0.0000                 |
| Off-Road      | 2.6595        | 27.5242        | 18.2443        | 0.0381        |               | 1.2660        | 1.2660         |                | 1.1647        | 1.1647        | 0.0000        | 3,687.308<br>1         | 3,687.308<br>1         | 1.1926        |     | 3,717.121<br>9         |
| <b>Total</b>  | <b>2.6595</b> | <b>27.5242</b> | <b>18.2443</b> | <b>0.0381</b> | <b>8.8457</b> | <b>1.2660</b> | <b>10.1117</b> | <b>4.5461</b>  | <b>1.1647</b> | <b>5.7108</b> | <b>0.0000</b> | <b>3,687.308<br/>1</b> | <b>3,687.308<br/>1</b> | <b>1.1926</b> |     | <b>3,717.121<br/>9</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       | 0.0786        | 0.0405        | 0.6404        | 1.3900e-003        | 0.1506        | 7.4000e-004        | 0.1513        | 0.0400         | 6.8000e-004        | 0.0406        |          | 140.8882        | 140.8882        | 4.0400e-003        | 3.8800e-003        | 142.1464        |
| <b>Total</b> | <b>0.0786</b> | <b>0.0405</b> | <b>0.6404</b> | <b>1.3900e-003</b> | <b>0.1506</b> | <b>7.4000e-004</b> | <b>0.1513</b> | <b>0.0400</b>  | <b>6.8000e-004</b> | <b>0.0406</b> |          | <b>140.8882</b> | <b>140.8882</b> | <b>4.0400e-003</b> | <b>3.8800e-003</b> | <b>142.1464</b> |

University Medical Park - Salton Sea Air Basin, Summer

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

**3.3 Grading - 2023**

**Unmitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total     | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |               |               |                |                |               |               | lb/day   |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 9.2210        | 0.0000        | 9.2210         | 3.6564         | 0.0000        | 3.6564        |          |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 3.3217        | 34.5156        | 28.0512        | 0.0621        |               | 1.4245        | 1.4245         |                | 1.3105        | 1.3105        |          | 6,011.4777        | 6,011.4777        | 1.9442        |     | 6,060.0836        |
| <b>Total</b>  | <b>3.3217</b> | <b>34.5156</b> | <b>28.0512</b> | <b>0.0621</b> | <b>9.2210</b> | <b>1.4245</b> | <b>10.6455</b> | <b>3.6564</b>  | <b>1.3105</b> | <b>4.9669</b> |          | <b>6,011.4777</b> | <b>6,011.4777</b> | <b>1.9442</b> |     | <b>6,060.0836</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      | 0.0268        | 1.0775        | 0.3265        | 5.9400e-003        | 0.1918        | 0.0132        | 0.2050        | 0.0526         | 0.0127        | 0.0653        |          | 631.0508        | 631.0508        | 4.3600e-003        | 0.0993        | 660.7438        |
| 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       | 0.0874        | 0.0450        | 0.7116        | 1.5500e-003        | 0.1673        | 8.3000e-004   | 0.1682        | 0.0444         | 7.6000e-004   | 0.0451        |          | 156.5424        | 156.5424        | 4.4800e-003        | 4.3200e-003   | 157.9404        |
| <b>Total</b> | <b>0.1142</b> | <b>1.1225</b> | <b>1.0381</b> | <b>7.4900e-003</b> | <b>0.3591</b> | <b>0.0141</b> | <b>0.3732</b> | <b>0.0970</b>  | <b>0.0134</b> | <b>0.1104</b> |          | <b>787.5932</b> | <b>787.5932</b> | <b>8.8400e-003</b> | <b>0.1036</b> | <b>818.6842</b> |

University Medical Park - Salton Sea Air Basin, Summer

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

**3.3 Grading - 2023**

**Mitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 4.1494        | 0.0000        | 4.1494        | 1.6454         | 0.0000        | 1.6454        |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 3.3217        | 34.5156        | 28.0512        | 0.0621        |               | 1.4245        | 1.4245        |                | 1.3105        | 1.3105        | 0.0000        | 6,011.4777        | 6,011.4777        | 1.9442        |     | 6,060.0836        |
| <b>Total</b>  | <b>3.3217</b> | <b>34.5156</b> | <b>28.0512</b> | <b>0.0621</b> | <b>4.1494</b> | <b>1.4245</b> | <b>5.5739</b> | <b>1.6454</b>  | <b>1.3105</b> | <b>2.9559</b> | <b>0.0000</b> | <b>6,011.4777</b> | <b>6,011.4777</b> | <b>1.9442</b> |     | <b>6,060.0836</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      | 0.0268        | 1.0775        | 0.3265        | 5.9400e-003        | 0.1918        | 0.0132        | 0.2050        | 0.0526         | 0.0127        | 0.0653        |          | 631.0508        | 631.0508        | 4.3600e-003        | 0.0993        | 660.7438        |
| 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       | 0.0874        | 0.0450        | 0.7116        | 1.5500e-003        | 0.1673        | 8.3000e-004   | 0.1682        | 0.0444         | 7.6000e-004   | 0.0451        |          | 156.5424        | 156.5424        | 4.4800e-003        | 4.3200e-003   | 157.9404        |
| <b>Total</b> | <b>0.1142</b> | <b>1.1225</b> | <b>1.0381</b> | <b>7.4900e-003</b> | <b>0.3591</b> | <b>0.0141</b> | <b>0.3732</b> | <b>0.0970</b>  | <b>0.0134</b> | <b>0.1104</b> |          | <b>787.5932</b> | <b>787.5932</b> | <b>8.8400e-003</b> | <b>0.1036</b> | <b>818.6842</b> |

University Medical Park - Salton Sea Air Basin, Summer

**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       | 0.0844        | 1.6466        | 0.9484        | 8.3700e-003   | 0.2863        | 0.0128        | 0.2991        | 0.0825         | 0.0122        | 0.0947        |          | 882.4395          | 882.4395          | 6.8500e-003   | 0.1236        | 919.4532          |
| Worker       | 0.5854        | 0.3015        | 4.7676        | 0.0104        | 1.1211        | 5.5300e-003   | 1.1267        | 0.2974         | 5.0900e-003   | 0.3025        |          | 1,048.8343        | 1,048.8343        | 0.0301        | 0.0289        | 1,058.2009        |
| <b>Total</b> | <b>0.6698</b> | <b>1.9482</b> | <b>5.7160</b> | <b>0.0188</b> | <b>1.4075</b> | <b>0.0183</b> | <b>1.4258</b> | <b>0.3799</b>  | <b>0.0173</b> | <b>0.3972</b> |          | <b>1,931.2738</b> | <b>1,931.2738</b> | <b>0.0369</b> | <b>0.1525</b> | <b>1,977.6541</b> |

University Medical Park - Salton Sea Air Basin, Summer

**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       | 0.0844        | 1.6466        | 0.9484        | 8.3700e-003   | 0.2863        | 0.0128        | 0.2991        | 0.0825         | 0.0122        | 0.0947        |          | 882.4395          | 882.4395          | 6.8500e-003   | 0.1236        | 919.4532          |
| Worker       | 0.5854        | 0.3015        | 4.7676        | 0.0104        | 1.1211        | 5.5300e-003   | 1.1267        | 0.2974         | 5.0900e-003   | 0.3025        |          | 1,048.8343        | 1,048.8343        | 0.0301        | 0.0289        | 1,058.2009        |
| <b>Total</b> | <b>0.6698</b> | <b>1.9482</b> | <b>5.7160</b> | <b>0.0188</b> | <b>1.4075</b> | <b>0.0183</b> | <b>1.4258</b> | <b>0.3799</b>  | <b>0.0173</b> | <b>0.3972</b> |          | <b>1,931.2738</b> | <b>1,931.2738</b> | <b>0.0369</b> | <b>0.1525</b> | <b>1,977.6541</b> |



University Medical Park - Salton Sea Air Basin, Summer

**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     | 1.0327        | 10.1917        | 14.5842        | 0.0228        |               | 0.5102        | 0.5102        |                | 0.4694        | 0.4694        |          | 2,207.5841        | 2,207.5841        | 0.7140        |     | 2,225.4336        |
| Paving       | 0.4568        |                |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>1.4895</b> | <b>10.1917</b> | <b>14.5842</b> | <b>0.0228</b> |               | <b>0.5102</b> | <b>0.5102</b> |                | <b>0.4694</b> | <b>0.4694</b> |          | <b>2,207.5841</b> | <b>2,207.5841</b> | <b>0.7140</b> |     | <b>2,225.4336</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       | 0.0655        | 0.0338        | 0.5337        | 1.1600e-003        | 0.1255        | 6.2000e-004        | 0.1261        | 0.0333         | 5.7000e-004        | 0.0339        |          | 117.4068        | 117.4068        | 3.3600e-003        | 3.2400e-003        | 118.4553        |
| <b>Total</b> | <b>0.0655</b> | <b>0.0338</b> | <b>0.5337</b> | <b>1.1600e-003</b> | <b>0.1255</b> | <b>6.2000e-004</b> | <b>0.1261</b> | <b>0.0333</b>  | <b>5.7000e-004</b> | <b>0.0339</b> |          | <b>117.4068</b> | <b>117.4068</b> | <b>3.3600e-003</b> | <b>3.2400e-003</b> | <b>118.4553</b> |

University Medical Park - Salton Sea Air Basin, Summer

**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     | 1.0327        | 10.1917        | 14.5842        | 0.0228        |               | 0.5102        | 0.5102        |                | 0.4694        | 0.4694        | 0.0000        | 2,207.584<br>1         | 2,207.584<br>1         | 0.7140        |     | 2,225.433<br>6         |
| Paving       | 0.4568        |                |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                        | 0.0000                 |               |     | 0.0000                 |
| <b>Total</b> | <b>1.4895</b> | <b>10.1917</b> | <b>14.5842</b> | <b>0.0228</b> |               | <b>0.5102</b> | <b>0.5102</b> |                | <b>0.4694</b> | <b>0.4694</b> | <b>0.0000</b> | <b>2,207.584<br/>1</b> | <b>2,207.584<br/>1</b> | <b>0.7140</b> |     | <b>2,225.433<br/>6</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       | 0.0655        | 0.0338        | 0.5337        | 1.1600e-003        | 0.1255        | 6.2000e-004        | 0.1261        | 0.0333         | 5.7000e-004        | 0.0339        |          | 117.4068        | 117.4068        | 3.3600e-003        | 3.2400e-003        | 118.4553        |
| <b>Total</b> | <b>0.0655</b> | <b>0.0338</b> | <b>0.5337</b> | <b>1.1600e-003</b> | <b>0.1255</b> | <b>6.2000e-004</b> | <b>0.1261</b> | <b>0.0333</b>  | <b>5.7000e-004</b> | <b>0.0339</b> |          | <b>117.4068</b> | <b>117.4068</b> | <b>3.3600e-003</b> | <b>3.2400e-003</b> | <b>118.4553</b> |

University Medical Park - Salton Sea Air Basin, Summer

**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 | 51.2682        |               |               |                    |               | 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>51.4598</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       | 0.1180        | 0.0608        | 0.9606        | 2.0900e-003        | 0.2259        | 1.1100e-003        | 0.2270        | 0.0599         | 1.0300e-003        | 0.0609        |          | 211.3323        | 211.3323        | 6.0500e-003        | 5.8300e-003        | 213.2196        |
| <b>Total</b> | <b>0.1180</b> | <b>0.0608</b> | <b>0.9606</b> | <b>2.0900e-003</b> | <b>0.2259</b> | <b>1.1100e-003</b> | <b>0.2270</b> | <b>0.0599</b>  | <b>1.0300e-003</b> | <b>0.0609</b> |          | <b>211.3323</b> | <b>211.3323</b> | <b>6.0500e-003</b> | <b>5.8300e-003</b> | <b>213.2196</b> |

University Medical Park - Salton Sea Air Basin, Summer

**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 | 51.2682        |               |               |                    |               | 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>51.4598</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       | 0.1180        | 0.0608        | 0.9606        | 2.0900e-003        | 0.2259        | 1.1100e-003        | 0.2270        | 0.0599         | 1.0300e-003        | 0.0609        |          | 211.3323        | 211.3323        | 6.0500e-003        | 5.8300e-003        | 213.2196        |
| <b>Total</b> | <b>0.1180</b> | <b>0.0608</b> | <b>0.9606</b> | <b>2.0900e-003</b> | <b>0.2259</b> | <b>1.1100e-003</b> | <b>0.2270</b> | <b>0.0599</b>  | <b>1.0300e-003</b> | <b>0.0609</b> |          | <b>211.3323</b> | <b>211.3323</b> | <b>6.0500e-003</b> | <b>5.8300e-003</b> | <b>213.2196</b> |

University Medical Park - Salton Sea Air Basin, Summer

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

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

|             | ROG     | NOx     | CO      | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2       | Total CO2       | CH4    | N2O    | CO2e            |
|-------------|---------|---------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------------|-----------------|--------|--------|-----------------|
| Category    | lb/day  |         |         |        |               |              |            |                |               |             | lb/day   |                 |                 |        |        |                 |
| Mitigated   | 13.1049 | 10.7002 | 82.8811 | 0.1556 | 14.7815       | 0.1169       | 14.8984    | 3.9418         | 0.1094        | 4.0511      |          | 15,833.79<br>52 | 15,833.79<br>52 | 0.9216 | 0.8463 | 16,109.03<br>96 |
| Unmitigated | 13.1049 | 10.7002 | 82.8811 | 0.1556 | 14.7815       | 0.1169       | 14.8984    | 3.9418         | 0.1094        | 4.0511      |          | 15,833.79<br>52 | 15,833.79<br>52 | 0.9216 | 0.8463 | 16,109.03<br>96 |

**4.2 Trip Summary Information**

| Land Use                | Average Daily Trip Rate |                 |                 | Unmitigated      | Mitigated        |
|-------------------------|-------------------------|-----------------|-----------------|------------------|------------------|
|                         | Weekday                 | Saturday        | Sunday          | Annual VMT       | Annual VMT       |
| Medical Office Building | 4,129.20                | 4,129.20        | 4,129.20        | 6,999,966        | 6,999,966        |
| Parking Lot             | 0.00                    | 0.00            | 0.00            |                  |                  |
| <b>Total</b>            | <b>4,129.20</b>         | <b>4,129.20</b> | <b>4,129.20</b> | <b>6,999,966</b> | <b>6,999,966</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 |
| Medical Office Building | 12.50      | 4.20       | 5.40        | 29.60      | 51.40      | 19.00       | 60             | 30       | 10      |
| Parking Lot             | 12.50      | 4.20       | 5.40        | 0.00       | 0.00       | 0.00        | 0              | 0        | 0       |

**4.4 Fleet Mix**

University Medical Park - Salton Sea Air Basin, Summer

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

| Land Use                | LDA      | LDT1     | LDT2     | MDV      | LHD1     | LHD2     | MHD      | HHD      | OBUS     | UBUS     | MCY      | SBUS     | MH       |
|-------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Medical Office Building | 0.517338 | 0.060386 | 0.185787 | 0.145354 | 0.024998 | 0.006973 | 0.010710 | 0.020387 | 0.000864 | 0.000234 | 0.022051 | 0.000914 | 0.004004 |
| Parking Lot             | 0.517338 | 0.060386 | 0.185787 | 0.145354 | 0.024998 | 0.006973 | 0.010710 | 0.020387 | 0.000864 | 0.000234 | 0.022051 | 0.000914 | 0.004004 |

**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   | 0.0116 | 0.1057 | 0.0888 | 6.3000e-004 |               | 8.0300e-003  | 8.0300e-003 |                | 8.0300e-003   | 8.0300e-003 |          | 126.8077  | 126.8077  | 2.4300e-003 | 2.3200e-003 | 127.5613 |
| NaturalGas Unmitigated | 0.0116 | 0.1057 | 0.0888 | 6.3000e-004 |               | 8.0300e-003  | 8.0300e-003 |                | 8.0300e-003   | 8.0300e-003 |          | 126.8077  | 126.8077  | 2.4300e-003 | 2.3200e-003 | 127.5613 |

University Medical Park - Salton Sea Air Basin, 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   |                 |                 |                    |                    |                 |
| Medical Office Building | 1077.87        | 0.0116        | 0.1057        | 0.0888        | 6.3000e-004        |               | 8.0300e-003        | 8.0300e-003        |                | 8.0300e-003        | 8.0300e-003        |          | 126.8077        | 126.8077        | 2.4300e-003        | 2.3200e-003        | 127.5613        |
| 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>0.0116</b> | <b>0.1057</b> | <b>0.0888</b> | <b>6.3000e-004</b> |               | <b>8.0300e-003</b> | <b>8.0300e-003</b> |                | <b>8.0300e-003</b> | <b>8.0300e-003</b> |          | <b>126.8077</b> | <b>126.8077</b> | <b>2.4300e-003</b> | <b>2.3200e-003</b> | <b>127.5613</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   |                 |                 |                    |                    |                 |
| Medical Office Building | 1.07787        | 0.0116        | 0.1057        | 0.0888        | 6.3000e-004        |               | 8.0300e-003        | 8.0300e-003        |                | 8.0300e-003        | 8.0300e-003        |          | 126.8077        | 126.8077        | 2.4300e-003        | 2.3200e-003        | 127.5613        |
| 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>0.0116</b> | <b>0.1057</b> | <b>0.0888</b> | <b>6.3000e-004</b> |               | <b>8.0300e-003</b> | <b>8.0300e-003</b> |                | <b>8.0300e-003</b> | <b>8.0300e-003</b> |          | <b>126.8077</b> | <b>126.8077</b> | <b>2.4300e-003</b> | <b>2.3200e-003</b> | <b>127.5613</b> |

**6.0 Area Detail**

University Medical Park - Salton Sea Air Basin, Summer

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

**6.1 Mitigation Measures Area**

|             | ROG    | NOx         | CO     | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4         | N2O | CO2e   |
|-------------|--------|-------------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|--------|
| Category    | lb/day |             |        |             |               |              |             |                |               |             | lb/day   |           |           |             |     |        |
| Mitigated   | 3.0070 | 6.4000e-004 | 0.0709 | 1.0000e-005 |               | 2.5000e-004  | 2.5000e-004 |                | 2.5000e-004   | 2.5000e-004 |          | 0.1523    | 0.1523    | 4.0000e-004 |     | 0.1622 |
| Unmitigated | 3.0070 | 6.4000e-004 | 0.0709 | 1.0000e-005 |               | 2.5000e-004  | 2.5000e-004 |                | 2.5000e-004   | 2.5000e-004 |          | 0.1523    | 0.1523    | 4.0000e-004 |     | 0.1622 |

**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 | 0.4635        |                    |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Consumer Products     | 2.5369        |                    |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Landscaping           | 6.5500e-003   | 6.4000e-004        | 0.0709        | 1.0000e-005        |               | 2.5000e-004        | 2.5000e-004        |                | 2.5000e-004        | 2.5000e-004        |          | 0.1523        | 0.1523        | 4.0000e-004        |     | 0.1622        |
| <b>Total</b>          | <b>3.0070</b> | <b>6.4000e-004</b> | <b>0.0709</b> | <b>1.0000e-005</b> |               | <b>2.5000e-004</b> | <b>2.5000e-004</b> |                | <b>2.5000e-004</b> | <b>2.5000e-004</b> |          | <b>0.1523</b> | <b>0.1523</b> | <b>4.0000e-004</b> |     | <b>0.1622</b> |



University Medical Park - Salton Sea Air Basin, Summer

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

**6.2 Area by SubCategory**

Mitigated

|                       | ROG           | NOx                | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2 | NBio- CO2     | Total CO2     | CH4                | N2O | CO2e          |
|-----------------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|---------------|
| SubCategory           | lb/day        |                    |               |                    |               |                    |                    |                |                    |                    | lb/day   |               |               |                    |     |               |
| Architectural Coating | 0.4635        |                    |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Consumer Products     | 2.5369        |                    |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Landscaping           | 6.5500e-003   | 6.4000e-004        | 0.0709        | 1.0000e-005        |               | 2.5000e-004        | 2.5000e-004        |                | 2.5000e-004        | 2.5000e-004        |          | 0.1523        | 0.1523        | 4.0000e-004        |     | 0.1622        |
| <b>Total</b>          | <b>3.0070</b> | <b>6.4000e-004</b> | <b>0.0709</b> | <b>1.0000e-005</b> |               | <b>2.5000e-004</b> | <b>2.5000e-004</b> |                | <b>2.5000e-004</b> | <b>2.5000e-004</b> |          | <b>0.1523</b> | <b>0.1523</b> | <b>4.0000e-004</b> |     | <b>0.1622</b> |

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

University Medical Park - Salton Sea Air Basin, Summer

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

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**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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University Medical Park - Salton Sea Air Basin, Winter

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

**University Medical Park  
Salton Sea Air Basin, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

| Land Uses               | Size   | Metric   | Lot Acreage | Floor Surface Area | Population |
|-------------------------|--------|----------|-------------|--------------------|------------|
| Medical Office Building | 114.70 | 1000sqft | 5.27        | 114,700.00         | 0          |
| Parking Lot             | 581.00 | Space    | 5.23        | 232,400.00         | 0          |

**1.2 Other Project Characteristics**

|                                |                            |                                |       |                                  |       |
|--------------------------------|----------------------------|--------------------------------|-------|----------------------------------|-------|
| <b>Urbanization</b>            | Urban                      | <b>Wind Speed (m/s)</b>        | 3.4   | <b>Precipitation Freq (Days)</b> | 20    |
| <b>Climate Zone</b>            | 10                         |                                |       | <b>Operational Year</b>          | 2024  |
| <b>Utility Company</b>         | Southern California Edison |                                |       |                                  |       |
| <b>CO2 Intensity (lb/MWhr)</b> | 390.98                     | <b>CH4 Intensity (lb/MWhr)</b> | 0.033 | <b>N2O Intensity (lb/MWhr)</b>   | 0.004 |

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

- Project Characteristics -
- Land Use - 114,700 square foot medical office center.
- Construction Phase - Assumes 1 year buildout.
- On-road Fugitive Dust - All roads in project area are paved.
- Vehicle Trips - 4,129 daily trips per traffic study.
- Road Dust - All roads are paved.
- Construction Off-road Equipment Mitigation - Assumes standard dust control per SCAQMD Rule 403.1.
- Grading - Net export of 2620 CY per preliminary grading plans.

| Table Name             | Column Name                     | Default Value | New Value |
|------------------------|---------------------------------|---------------|-----------|
| tblConstDustMitigation | WaterUnpavedRoadMoistureContent | 0             | 0.5       |

University Medical Park - Salton Sea Air Basin, Winter

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

|                        |                              |        |          |
|------------------------|------------------------------|--------|----------|
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed | 0      | 40       |
| tblConstructionPhase   | NumDays                      | 20.00  | 33.00    |
| tblConstructionPhase   | NumDays                      | 300.00 | 220.00   |
| tblConstructionPhase   | NumDays                      | 20.00  | 30.00    |
| tblGrading             | MaterialExported             | 0.00   | 2,620.00 |
| tblLandUse             | LotAcreage                   | 2.63   | 5.27     |
| tblOnRoadDust          | HaulingPercentPave           | 50.00  | 100.00   |
| tblOnRoadDust          | HaulingPercentPave           | 50.00  | 100.00   |
| tblOnRoadDust          | HaulingPercentPave           | 50.00  | 100.00   |
| tblOnRoadDust          | HaulingPercentPave           | 50.00  | 100.00   |
| tblOnRoadDust          | HaulingPercentPave           | 50.00  | 100.00   |
| tblOnRoadDust          | VendorPercentPave            | 50.00  | 100.00   |
| tblOnRoadDust          | VendorPercentPave            | 50.00  | 100.00   |
| tblOnRoadDust          | VendorPercentPave            | 50.00  | 100.00   |
| tblOnRoadDust          | VendorPercentPave            | 50.00  | 100.00   |
| tblOnRoadDust          | VendorPercentPave            | 50.00  | 100.00   |
| tblOnRoadDust          | WorkerPercentPave            | 50.00  | 100.00   |
| tblOnRoadDust          | WorkerPercentPave            | 50.00  | 100.00   |
| tblOnRoadDust          | WorkerPercentPave            | 50.00  | 100.00   |
| tblOnRoadDust          | WorkerPercentPave            | 50.00  | 100.00   |
| tblOnRoadDust          | WorkerPercentPave            | 50.00  | 100.00   |
| tblRoadDust            | RoadPercentPave              | 50     | 100      |
| tblVehicleTrips        | ST_TR                        | 8.57   | 36.00    |
| tblVehicleTrips        | SU_TR                        | 1.42   | 36.00    |
| tblVehicleTrips        | WD_TR                        | 34.80  | 36.00    |

**2.0 Emissions Summary**

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University Medical Park - Salton Sea Air Basin, 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         | 3.0070         | 6.4000e-004    | 0.0709         | 1.0000e-005   |                | 2.5000e-004   | 2.5000e-004    |                | 2.5000e-004   | 2.5000e-004   |          | 0.1523             | 0.1523             | 4.0000e-004   |               | 0.1622             |
| Energy       | 0.0116         | 0.1057         | 0.0888         | 6.3000e-004   |                | 8.0300e-003   | 8.0300e-003    |                | 8.0300e-003   | 8.0300e-003   |          | 126.8077           | 126.8077           | 2.4300e-003   | 2.3200e-003   | 127.5613           |
| Mobile       | 8.2876         | 11.5160        | 69.5274        | 0.1382        | 14.7815        | 0.1171        | 14.8986        | 3.9418         | 0.1096        | 4.0513        |          | 14,085.3099        | 14,085.3099        | 0.9877        | 0.8613        | 14,366.6612        |
| <b>Total</b> | <b>11.3062</b> | <b>11.6224</b> | <b>69.6871</b> | <b>0.1389</b> | <b>14.7815</b> | <b>0.1254</b> | <b>14.9069</b> | <b>3.9418</b>  | <b>0.1178</b> | <b>4.0596</b> |          | <b>14,212.2699</b> | <b>14,212.2699</b> | <b>0.9906</b> | <b>0.8636</b> | <b>14,494.3847</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         | 3.0070         | 6.4000e-004    | 0.0709         | 1.0000e-005   |                | 2.5000e-004   | 2.5000e-004    |                | 2.5000e-004   | 2.5000e-004   |          | 0.1523             | 0.1523             | 4.0000e-004   |               | 0.1622             |
| Energy       | 0.0116         | 0.1057         | 0.0888         | 6.3000e-004   |                | 8.0300e-003   | 8.0300e-003    |                | 8.0300e-003   | 8.0300e-003   |          | 126.8077           | 126.8077           | 2.4300e-003   | 2.3200e-003   | 127.5613           |
| Mobile       | 8.2876         | 11.5160        | 69.5274        | 0.1382        | 14.7815        | 0.1171        | 14.8986        | 3.9418         | 0.1096        | 4.0513        |          | 14,085.3099        | 14,085.3099        | 0.9877        | 0.8613        | 14,366.6612        |
| <b>Total</b> | <b>11.3062</b> | <b>11.6224</b> | <b>69.6871</b> | <b>0.1389</b> | <b>14.7815</b> | <b>0.1254</b> | <b>14.9069</b> | <b>3.9418</b>  | <b>0.1178</b> | <b>4.0596</b> |          | <b>14,212.2699</b> | <b>14,212.2699</b> | <b>0.9906</b> | <b>0.8636</b> | <b>14,494.3847</b> |

University Medical Park - Salton Sea Air Basin, 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 |

**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      | 1/2/2023   | 1/13/2023  | 5             | 10       |                   |
| 2            | Grading               | Grading               | 1/14/2023  | 2/24/2023  | 5             | 30       |                   |
| 3            | Building Construction | Building Construction | 2/25/2023  | 12/29/2023 | 5             | 220      |                   |
| 4            | Paving                | Paving                | 3/1/2023   | 4/11/2023  | 5             | 30       |                   |
| 5            | Architectural Coating | Architectural Coating | 11/15/2023 | 12/29/2023 | 5             | 33       |                   |

**Acres of Grading (Site Preparation Phase): 15**

**Acres of Grading (Grading Phase): 90**

**Acres of Paving: 5.23**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 172,050; Non-Residential Outdoor: 57,350; Striped Parking Area: 13,944 (Architectural Coating – sqft)**

**OffRoad Equipment**

| Phase Name       | Offroad Equipment Type    | Amount | Usage Hours | Horse Power | Load Factor |
|------------------|---------------------------|--------|-------------|-------------|-------------|
| Site Preparation | Rubber Tired Dozers       | 3      | 8.00        | 247         | 0.40        |
| Site Preparation | Tractors/Loaders/Backhoes | 4      | 8.00        | 97          | 0.37        |
| Grading          | Excavators                | 2      | 8.00        | 158         | 0.38        |
| Grading          | Graders                   | 1      | 8.00        | 187         | 0.41        |
| Grading          | Rubber Tired Dozers       | 1      | 8.00        | 247         | 0.40        |
| Grading          | Scrapers                  | 2      | 8.00        | 367         | 0.48        |

University Medical Park - Salton Sea Air Basin, Winter

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

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

**Trips and VMT**

| Phase Name            | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Site Preparation      | 7                       | 18.00              | 0.00               | 0.00                | 11.00              | 5.40               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Grading               | 8                       | 20.00              | 0.00               | 328.00              | 11.00              | 5.40               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Building Construction | 9                       | 134.00             | 57.00              | 0.00                | 11.00              | 5.40               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Paving                | 6                       | 15.00              | 0.00               | 0.00                | 11.00              | 5.40               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Architectural Coating | 1                       | 27.00              | 0.00               | 0.00                | 11.00              | 5.40               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |

**3.1 Mitigation Measures Construction**

Water Exposed Area



University Medical Park - Salton Sea Air Basin, Winter

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

**3.2 Site Preparation - 2023**

**Unmitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10  | Exhaust PM10  | PM10 Total     | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total    | Bio- CO2 | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|---------------|---------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|----------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category      | lb/day        |                |                |               |                |               |                |                |               |                | lb/day   |                        |                        |               |     |                        |
| Fugitive Dust |               |                |                |               | 19.6570        | 0.0000        | 19.6570        | 10.1025        | 0.0000        | 10.1025        |          |                        | 0.0000                 |               |     | 0.0000                 |
| Off-Road      | 2.6595        | 27.5242        | 18.2443        | 0.0381        |                | 1.2660        | 1.2660         |                | 1.1647        | 1.1647         |          | 3,687.308<br>1         | 3,687.308<br>1         | 1.1926        |     | 3,717.121<br>9         |
| <b>Total</b>  | <b>2.6595</b> | <b>27.5242</b> | <b>18.2443</b> | <b>0.0381</b> | <b>19.6570</b> | <b>1.2660</b> | <b>20.9230</b> | <b>10.1025</b> | <b>1.1647</b> | <b>11.2672</b> |          | <b>3,687.308<br/>1</b> | <b>3,687.308<br/>1</b> | <b>1.1926</b> |     | <b>3,717.121<br/>9</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       | 0.0600        | 0.0416        | 0.4571        | 1.1900e-003        | 0.1506        | 7.4000e-004        | 0.1513        | 0.0400         | 6.8000e-004        | 0.0406        |          | 120.0877        | 120.0877        | 4.0300e-003        | 3.9300e-003        | 121.3596        |
| <b>Total</b> | <b>0.0600</b> | <b>0.0416</b> | <b>0.4571</b> | <b>1.1900e-003</b> | <b>0.1506</b> | <b>7.4000e-004</b> | <b>0.1513</b> | <b>0.0400</b>  | <b>6.8000e-004</b> | <b>0.0406</b> |          | <b>120.0877</b> | <b>120.0877</b> | <b>4.0300e-003</b> | <b>3.9300e-003</b> | <b>121.3596</b> |

University Medical Park - Salton Sea Air Basin, Winter

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

**3.2 Site Preparation - 2023**

**Mitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total     | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|-----|------------------------|
| Category      | lb/day        |                |                |               |               |               |                |                |               |               | lb/day        |                        |                        |               |     |                        |
| Fugitive Dust |               |                |                |               | 8.8457        | 0.0000        | 8.8457         | 4.5461         | 0.0000        | 4.5461        |               |                        | 0.0000                 |               |     | 0.0000                 |
| Off-Road      | 2.6595        | 27.5242        | 18.2443        | 0.0381        |               | 1.2660        | 1.2660         |                | 1.1647        | 1.1647        | 0.0000        | 3,687.308<br>1         | 3,687.308<br>1         | 1.1926        |     | 3,717.121<br>9         |
| <b>Total</b>  | <b>2.6595</b> | <b>27.5242</b> | <b>18.2443</b> | <b>0.0381</b> | <b>8.8457</b> | <b>1.2660</b> | <b>10.1117</b> | <b>4.5461</b>  | <b>1.1647</b> | <b>5.7108</b> | <b>0.0000</b> | <b>3,687.308<br/>1</b> | <b>3,687.308<br/>1</b> | <b>1.1926</b> |     | <b>3,717.121<br/>9</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       | 0.0600        | 0.0416        | 0.4571        | 1.1900e-003        | 0.1506        | 7.4000e-004        | 0.1513        | 0.0400         | 6.8000e-004        | 0.0406        |          | 120.0877        | 120.0877        | 4.0300e-003        | 3.9300e-003        | 121.3596        |
| <b>Total</b> | <b>0.0600</b> | <b>0.0416</b> | <b>0.4571</b> | <b>1.1900e-003</b> | <b>0.1506</b> | <b>7.4000e-004</b> | <b>0.1513</b> | <b>0.0400</b>  | <b>6.8000e-004</b> | <b>0.0406</b> |          | <b>120.0877</b> | <b>120.0877</b> | <b>4.0300e-003</b> | <b>3.9300e-003</b> | <b>121.3596</b> |

University Medical Park - Salton Sea Air Basin, Winter

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

**3.3 Grading - 2023**

**Unmitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total     | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |               |               |                |                |               |               | lb/day   |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 9.2210        | 0.0000        | 9.2210         | 3.6564         | 0.0000        | 3.6564        |          |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 3.3217        | 34.5156        | 28.0512        | 0.0621        |               | 1.4245        | 1.4245         |                | 1.3105        | 1.3105        |          | 6,011.4777        | 6,011.4777        | 1.9442        |     | 6,060.0836        |
| <b>Total</b>  | <b>3.3217</b> | <b>34.5156</b> | <b>28.0512</b> | <b>0.0621</b> | <b>9.2210</b> | <b>1.4245</b> | <b>10.6455</b> | <b>3.6564</b>  | <b>1.3105</b> | <b>4.9669</b> |          | <b>6,011.4777</b> | <b>6,011.4777</b> | <b>1.9442</b> |     | <b>6,060.0836</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      | 0.0244        | 1.1723        | 0.3342        | 5.9500e-003        | 0.1918        | 0.0133        | 0.2050        | 0.0526         | 0.0127        | 0.0653        |          | 632.2908        | 632.2908        | 4.2400e-003        | 0.0995        | 662.0397        |
| 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       | 0.0667        | 0.0462        | 0.5079        | 1.3200e-003        | 0.1673        | 8.3000e-004   | 0.1682        | 0.0444         | 7.6000e-004   | 0.0451        |          | 133.4307        | 133.4307        | 4.4800e-003        | 4.3700e-003   | 134.8441        |
| <b>Total</b> | <b>0.0911</b> | <b>1.2185</b> | <b>0.8421</b> | <b>7.2700e-003</b> | <b>0.3591</b> | <b>0.0141</b> | <b>0.3732</b> | <b>0.0970</b>  | <b>0.0134</b> | <b>0.1104</b> |          | <b>765.7215</b> | <b>765.7215</b> | <b>8.7200e-003</b> | <b>0.1038</b> | <b>796.8837</b> |

University Medical Park - Salton Sea Air Basin, Winter

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

**3.3 Grading - 2023**

**Mitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 4.1494        | 0.0000        | 4.1494        | 1.6454         | 0.0000        | 1.6454        |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 3.3217        | 34.5156        | 28.0512        | 0.0621        |               | 1.4245        | 1.4245        |                | 1.3105        | 1.3105        | 0.0000        | 6,011.4777        | 6,011.4777        | 1.9442        |     | 6,060.0836        |
| <b>Total</b>  | <b>3.3217</b> | <b>34.5156</b> | <b>28.0512</b> | <b>0.0621</b> | <b>4.1494</b> | <b>1.4245</b> | <b>5.5739</b> | <b>1.6454</b>  | <b>1.3105</b> | <b>2.9559</b> | <b>0.0000</b> | <b>6,011.4777</b> | <b>6,011.4777</b> | <b>1.9442</b> |     | <b>6,060.0836</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      | 0.0244        | 1.1723        | 0.3342        | 5.9500e-003        | 0.1918        | 0.0133        | 0.2050        | 0.0526         | 0.0127        | 0.0653        |          | 632.2908        | 632.2908        | 4.2400e-003        | 0.0995        | 662.0397        |
| 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       | 0.0667        | 0.0462        | 0.5079        | 1.3200e-003        | 0.1673        | 8.3000e-004   | 0.1682        | 0.0444         | 7.6000e-004   | 0.0451        |          | 133.4307        | 133.4307        | 4.4800e-003        | 4.3700e-003   | 134.8441        |
| <b>Total</b> | <b>0.0911</b> | <b>1.2185</b> | <b>0.8421</b> | <b>7.2700e-003</b> | <b>0.3591</b> | <b>0.0141</b> | <b>0.3732</b> | <b>0.0970</b>  | <b>0.0134</b> | <b>0.1104</b> |          | <b>765.7215</b> | <b>765.7215</b> | <b>8.7200e-003</b> | <b>0.1038</b> | <b>796.8837</b> |

University Medical Park - Salton Sea Air Basin, 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       | 0.0773        | 1.7889        | 0.9852        | 8.4000e-003   | 0.2863        | 0.0128        | 0.2992        | 0.0825         | 0.0123        | 0.0948        |          | 885.6525          | 885.6525          | 6.6200e-003   | 0.1244        | 922.8893          |
| Worker       | 0.4468        | 0.3096        | 3.4028        | 8.8400e-003   | 1.1211        | 5.5300e-003   | 1.1267        | 0.2974         | 5.0900e-003   | 0.3025        |          | 893.9859          | 893.9859          | 0.0300        | 0.0293        | 903.4551          |
| <b>Total</b> | <b>0.5241</b> | <b>2.0985</b> | <b>4.3879</b> | <b>0.0172</b> | <b>1.4075</b> | <b>0.0184</b> | <b>1.4258</b> | <b>0.3799</b>  | <b>0.0174</b> | <b>0.3972</b> |          | <b>1,779.6384</b> | <b>1,779.6384</b> | <b>0.0366</b> | <b>0.1537</b> | <b>1,826.3444</b> |

University Medical Park - Salton Sea Air Basin, 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       | 0.0773        | 1.7889        | 0.9852        | 8.4000e-003   | 0.2863        | 0.0128        | 0.2992        | 0.0825         | 0.0123        | 0.0948        |          | 885.6525          | 885.6525          | 6.6200e-003   | 0.1244        | 922.8893          |
| Worker       | 0.4468        | 0.3096        | 3.4028        | 8.8400e-003   | 1.1211        | 5.5300e-003   | 1.1267        | 0.2974         | 5.0900e-003   | 0.3025        |          | 893.9859          | 893.9859          | 0.0300        | 0.0293        | 903.4551          |
| <b>Total</b> | <b>0.5241</b> | <b>2.0985</b> | <b>4.3879</b> | <b>0.0172</b> | <b>1.4075</b> | <b>0.0184</b> | <b>1.4258</b> | <b>0.3799</b>  | <b>0.0174</b> | <b>0.3972</b> |          | <b>1,779.6384</b> | <b>1,779.6384</b> | <b>0.0366</b> | <b>0.1537</b> | <b>1,826.3444</b> |

University Medical Park - Salton Sea Air Basin, 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     | 1.0327        | 10.1917        | 14.5842        | 0.0228        |               | 0.5102        | 0.5102        |                | 0.4694        | 0.4694        |          | 2,207.5841        | 2,207.5841        | 0.7140        |     | 2,225.4336        |
| Paving       | 0.4568        |                |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>1.4895</b> | <b>10.1917</b> | <b>14.5842</b> | <b>0.0228</b> |               | <b>0.5102</b> | <b>0.5102</b> |                | <b>0.4694</b> | <b>0.4694</b> |          | <b>2,207.5841</b> | <b>2,207.5841</b> | <b>0.7140</b> |     | <b>2,225.4336</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       | 0.0500        | 0.0347        | 0.3809        | 9.9000e-004        | 0.1255        | 6.2000e-004        | 0.1261        | 0.0333         | 5.7000e-004        | 0.0339        |          | 100.0731        | 100.0731        | 3.3600e-003        | 3.2800e-003        | 101.1330        |
| <b>Total</b> | <b>0.0500</b> | <b>0.0347</b> | <b>0.3809</b> | <b>9.9000e-004</b> | <b>0.1255</b> | <b>6.2000e-004</b> | <b>0.1261</b> | <b>0.0333</b>  | <b>5.7000e-004</b> | <b>0.0339</b> |          | <b>100.0731</b> | <b>100.0731</b> | <b>3.3600e-003</b> | <b>3.2800e-003</b> | <b>101.1330</b> |

University Medical Park - Salton Sea Air Basin, 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     | 1.0327        | 10.1917        | 14.5842        | 0.0228        |               | 0.5102        | 0.5102        |                | 0.4694        | 0.4694        | 0.0000        | 2,207.5841        | 2,207.5841        | 0.7140        |     | 2,225.4336        |
| Paving       | 0.4568        |                |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>1.4895</b> | <b>10.1917</b> | <b>14.5842</b> | <b>0.0228</b> |               | <b>0.5102</b> | <b>0.5102</b> |                | <b>0.4694</b> | <b>0.4694</b> | <b>0.0000</b> | <b>2,207.5841</b> | <b>2,207.5841</b> | <b>0.7140</b> |     | <b>2,225.4336</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       | 0.0500        | 0.0347        | 0.3809        | 9.9000e-004        | 0.1255        | 6.2000e-004        | 0.1261        | 0.0333         | 5.7000e-004        | 0.0339        |          | 100.0731        | 100.0731        | 3.3600e-003        | 3.2800e-003        | 101.1330        |
| <b>Total</b> | <b>0.0500</b> | <b>0.0347</b> | <b>0.3809</b> | <b>9.9000e-004</b> | <b>0.1255</b> | <b>6.2000e-004</b> | <b>0.1261</b> | <b>0.0333</b>  | <b>5.7000e-004</b> | <b>0.0339</b> |          | <b>100.0731</b> | <b>100.0731</b> | <b>3.3600e-003</b> | <b>3.2800e-003</b> | <b>101.1330</b> |



University Medical Park - Salton Sea Air Basin, 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 | 51.2682        |               |               |                    |               | 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>51.4598</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       | 0.0900        | 0.0624        | 0.6856        | 1.7800e-003        | 0.2259        | 1.1100e-003        | 0.2270        | 0.0599         | 1.0300e-003        | 0.0609        |          | 180.1315        | 180.1315        | 6.0500e-003        | 5.9000e-003        | 182.0395        |
| <b>Total</b> | <b>0.0900</b> | <b>0.0624</b> | <b>0.6856</b> | <b>1.7800e-003</b> | <b>0.2259</b> | <b>1.1100e-003</b> | <b>0.2270</b> | <b>0.0599</b>  | <b>1.0300e-003</b> | <b>0.0609</b> |          | <b>180.1315</b> | <b>180.1315</b> | <b>6.0500e-003</b> | <b>5.9000e-003</b> | <b>182.0395</b> |

University Medical Park - Salton Sea Air Basin, 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 | 51.2682        |               |               |                    |               | 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>51.4598</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       | 0.0900        | 0.0624        | 0.6856        | 1.7800e-003        | 0.2259        | 1.1100e-003        | 0.2270        | 0.0599         | 1.0300e-003        | 0.0609        |          | 180.1315        | 180.1315        | 6.0500e-003        | 5.9000e-003        | 182.0395        |
| <b>Total</b> | <b>0.0900</b> | <b>0.0624</b> | <b>0.6856</b> | <b>1.7800e-003</b> | <b>0.2259</b> | <b>1.1100e-003</b> | <b>0.2270</b> | <b>0.0599</b>  | <b>1.0300e-003</b> | <b>0.0609</b> |          | <b>180.1315</b> | <b>180.1315</b> | <b>6.0500e-003</b> | <b>5.9000e-003</b> | <b>182.0395</b> |

University Medical Park - Salton Sea Air Basin, 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   | 8.2876 | 11.5160 | 69.5274 | 0.1382 | 14.7815       | 0.1171       | 14.8986    | 3.9418         | 0.1096        | 4.0513      |          | 14,085.30<br>99 | 14,085.30<br>99 | 0.9877 | 0.8613 | 14,366.66<br>12 |
| Unmitigated | 8.2876 | 11.5160 | 69.5274 | 0.1382 | 14.7815       | 0.1171       | 14.8986    | 3.9418         | 0.1096        | 4.0513      |          | 14,085.30<br>99 | 14,085.30<br>99 | 0.9877 | 0.8613 | 14,366.66<br>12 |

**4.2 Trip Summary Information**

| Land Use                | Average Daily Trip Rate |                 |                 | Unmitigated      | Mitigated        |
|-------------------------|-------------------------|-----------------|-----------------|------------------|------------------|
|                         | Weekday                 | Saturday        | Sunday          | Annual VMT       | Annual VMT       |
| Medical Office Building | 4,129.20                | 4,129.20        | 4,129.20        | 6,999,966        | 6,999,966        |
| Parking Lot             | 0.00                    | 0.00            | 0.00            |                  |                  |
| <b>Total</b>            | <b>4,129.20</b>         | <b>4,129.20</b> | <b>4,129.20</b> | <b>6,999,966</b> | <b>6,999,966</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 |
| Medical Office Building | 12.50      | 4.20       | 5.40        | 29.60      | 51.40      | 19.00       | 60             | 30       | 10      |
| Parking Lot             | 12.50      | 4.20       | 5.40        | 0.00       | 0.00       | 0.00        | 0              | 0        | 0       |

**4.4 Fleet Mix**

University Medical Park - Salton Sea Air Basin, Winter

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

| Land Use                | LDA      | LDT1     | LDT2     | MDV      | LHD1     | LHD2     | MHD      | HHD      | OBUS     | UBUS     | MCY      | SBUS     | MH       |
|-------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Medical Office Building | 0.517338 | 0.060386 | 0.185787 | 0.145354 | 0.024998 | 0.006973 | 0.010710 | 0.020387 | 0.000864 | 0.000234 | 0.022051 | 0.000914 | 0.004004 |
| Parking Lot             | 0.517338 | 0.060386 | 0.185787 | 0.145354 | 0.024998 | 0.006973 | 0.010710 | 0.020387 | 0.000864 | 0.000234 | 0.022051 | 0.000914 | 0.004004 |

**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   | 0.0116 | 0.1057 | 0.0888 | 6.3000e-004 |               | 8.0300e-003  | 8.0300e-003 |                | 8.0300e-003   | 8.0300e-003 |          | 126.8077  | 126.8077  | 2.4300e-003 | 2.3200e-003 | 127.5613 |
| NaturalGas Unmitigated | 0.0116 | 0.1057 | 0.0888 | 6.3000e-004 |               | 8.0300e-003  | 8.0300e-003 |                | 8.0300e-003   | 8.0300e-003 |          | 126.8077  | 126.8077  | 2.4300e-003 | 2.3200e-003 | 127.5613 |

University Medical Park - Salton Sea Air Basin, 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   |                 |                 |                    |                    |                 |
| Medical Office Building | 1077.87        | 0.0116        | 0.1057        | 0.0888        | 6.3000e-004        |               | 8.0300e-003        | 8.0300e-003        |                | 8.0300e-003        | 8.0300e-003        |          | 126.8077        | 126.8077        | 2.4300e-003        | 2.3200e-003        | 127.5613        |
| 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>0.0116</b> | <b>0.1057</b> | <b>0.0888</b> | <b>6.3000e-004</b> |               | <b>8.0300e-003</b> | <b>8.0300e-003</b> |                | <b>8.0300e-003</b> | <b>8.0300e-003</b> |          | <b>126.8077</b> | <b>126.8077</b> | <b>2.4300e-003</b> | <b>2.3200e-003</b> | <b>127.5613</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   |                 |                 |                    |                    |                 |
| Medical Office Building | 1.07787        | 0.0116        | 0.1057        | 0.0888        | 6.3000e-004        |               | 8.0300e-003        | 8.0300e-003        |                | 8.0300e-003        | 8.0300e-003        |          | 126.8077        | 126.8077        | 2.4300e-003        | 2.3200e-003        | 127.5613        |
| 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>0.0116</b> | <b>0.1057</b> | <b>0.0888</b> | <b>6.3000e-004</b> |               | <b>8.0300e-003</b> | <b>8.0300e-003</b> |                | <b>8.0300e-003</b> | <b>8.0300e-003</b> |          | <b>126.8077</b> | <b>126.8077</b> | <b>2.4300e-003</b> | <b>2.3200e-003</b> | <b>127.5613</b> |

**6.0 Area Detail**

University Medical Park - Salton Sea Air Basin, Winter

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

**6.1 Mitigation Measures Area**

|             | ROG    | NOx         | CO     | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4         | N2O | CO2e   |
|-------------|--------|-------------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|--------|
| Category    | lb/day |             |        |             |               |              |             |                |               |             | lb/day   |           |           |             |     |        |
| Mitigated   | 3.0070 | 6.4000e-004 | 0.0709 | 1.0000e-005 |               | 2.5000e-004  | 2.5000e-004 |                | 2.5000e-004   | 2.5000e-004 |          | 0.1523    | 0.1523    | 4.0000e-004 |     | 0.1622 |
| Unmitigated | 3.0070 | 6.4000e-004 | 0.0709 | 1.0000e-005 |               | 2.5000e-004  | 2.5000e-004 |                | 2.5000e-004   | 2.5000e-004 |          | 0.1523    | 0.1523    | 4.0000e-004 |     | 0.1622 |

**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 | 0.4635        |                    |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Consumer Products     | 2.5369        |                    |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Landscaping           | 6.5500e-003   | 6.4000e-004        | 0.0709        | 1.0000e-005        |               | 2.5000e-004        | 2.5000e-004        |                | 2.5000e-004        | 2.5000e-004        |          | 0.1523        | 0.1523        | 4.0000e-004        |     | 0.1622        |
| <b>Total</b>          | <b>3.0070</b> | <b>6.4000e-004</b> | <b>0.0709</b> | <b>1.0000e-005</b> |               | <b>2.5000e-004</b> | <b>2.5000e-004</b> |                | <b>2.5000e-004</b> | <b>2.5000e-004</b> |          | <b>0.1523</b> | <b>0.1523</b> | <b>4.0000e-004</b> |     | <b>0.1622</b> |

University Medical Park - Salton Sea Air Basin, 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 | 0.4635        |                    |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Consumer Products     | 2.5369        |                    |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Landscaping           | 6.5500e-003   | 6.4000e-004        | 0.0709        | 1.0000e-005        |               | 2.5000e-004        | 2.5000e-004        |                | 2.5000e-004        | 2.5000e-004        |          | 0.1523        | 0.1523        | 4.0000e-004        |     | 0.1622        |
| <b>Total</b>          | <b>3.0070</b> | <b>6.4000e-004</b> | <b>0.0709</b> | <b>1.0000e-005</b> |               | <b>2.5000e-004</b> | <b>2.5000e-004</b> |                | <b>2.5000e-004</b> | <b>2.5000e-004</b> |          | <b>0.1523</b> | <b>0.1523</b> | <b>4.0000e-004</b> |     | <b>0.1622</b> |

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

University Medical Park - Salton Sea Air Basin, 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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