

## WRP 1 Capital Improvement Project - Imperial County, Summer

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### 1.0 Project Characteristics

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#### 1.1 Land Usage

| Land Uses                  | Size   | Metric   | Lot Acreage | Floor Surface Area | Population |
|----------------------------|--------|----------|-------------|--------------------|------------|
| Other Non-Asphalt Surfaces | 100.00 | 1000sqft | 2.30        | 100,000.00         | 0          |

#### 1.2 Other Project Characteristics

|                                |                              |                                |       |                                  |       |
|--------------------------------|------------------------------|--------------------------------|-------|----------------------------------|-------|
| <b>Urbanization</b>            | Urban                        | <b>Wind Speed (m/s)</b>        | 3.4   | <b>Precipitation Freq (Days)</b> | 12    |
| <b>Climate Zone</b>            | 10                           |                                |       | <b>Operational Year</b>          | 2022  |
| <b>Utility Company</b>         | Imperial Irrigation District |                                |       |                                  |       |
| <b>CO2 Intensity (lb/MWhr)</b> | 1270.9                       | <b>CH4 Intensity (lb/MWhr)</b> | 0.029 | <b>N2O Intensity (lb/MWhr)</b>   | 0.006 |

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

Project Characteristics -

Land Use -

Construction Phase - Construction phases updated to match the project

Off-road Equipment - Equipment updated to match the project

Off-road Equipment - Equipment updated to match the Project

On-road Fugitive Dust - road pavement updated to match the area surrounding the project site

Construction Off-road Equipment Mitigation -

## WRP 1 Capital Improvement Project - Imperial County, Summer

| Table Name             | Column Name                     | Default Value | New Value |
|------------------------|---------------------------------|---------------|-----------|
| tblConstDustMitigation | WaterUnpavedRoadMoistureContent | 0             | 0.5       |
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed    | 0             | 40        |
| tblConstructionPhase   | NumDays                         | 220.00        | 10.00     |
| tblOffRoadEquipment    | HorsePower                      | 9.00          | 247.00    |
| tblOffRoadEquipment    | LoadFactor                      | 0.56          | 0.40      |
| tblOffRoadEquipment    | OffRoadEquipmentUnitAmount      | 2.00          | 1.00      |
| tblOffRoadEquipment    | UsageHours                      | 8.00          | 2.00      |
| tblOnRoadDust          | HaulingPercentPave              | 50.00         | 80.00     |
| tblOnRoadDust          | HaulingPercentPave              | 50.00         | 80.00     |
| tblOnRoadDust          | VendorPercentPave               | 50.00         | 80.00     |
| tblOnRoadDust          | VendorPercentPave               | 50.00         | 80.00     |
| tblOnRoadDust          | WorkerPercentPave               | 50.00         | 80.00     |
| tblOnRoadDust          | WorkerPercentPave               | 50.00         | 80.00     |
| tblTripsAndVMT         | WorkerTripNumber                | 10.00         | 8.00      |

## 2.0 Emissions Summary

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## WRP 1 Capital Improvement Project - Imperial County, Summer

## 2.1 Overall Construction (Maximum Daily Emission)

### Unmitigated Construction

|         | ROG    | NOx     | CO      | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2  | Total CO2  | CH4    | N2O    | CO2e       |
|---------|--------|---------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|--------|------------|
| Year    | lb/day |         |         |        |               |              |            |                |               |             | lb/day   |            |            |        |        |            |
| 2021    | 2.0698 | 18.5862 | 15.4709 | 0.0282 | 132.4629      | 0.8182       | 133.1382   | 13.2730        | 0.7528        | 13.9256     | 0.0000   | 2,640.4589 | 2,640.4589 | 0.5638 | 0.0000 | 2,649.4598 |
| Maximum | 2.0698 | 18.5862 | 15.4709 | 0.0282 | 132.4629      | 0.8182       | 133.1382   | 13.2730        | 0.7528        | 13.9256     | 0.0000   | 2,640.4589 | 2,640.4589 | 0.5638 | 0.0000 | 2,649.4598 |

### Mitigated Construction

|         | ROG    | NOx     | CO      | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2  | Total CO2  | CH4    | N2O    | CO2e       |
|---------|--------|---------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|--------|------------|
| Year    | lb/day |         |         |        |               |              |            |                |               |             | lb/day   |            |            |        |        |            |
| 2021    | 2.0698 | 18.5862 | 15.4709 | 0.0282 | 132.4629      | 0.8182       | 133.1382   | 13.2730        | 0.7528        | 13.9256     | 0.0000   | 2,640.4589 | 2,640.4589 | 0.5638 | 0.0000 | 2,649.4598 |
| Maximum | 2.0698 | 18.5862 | 15.4709 | 0.0282 | 132.4629      | 0.8182       | 133.1382   | 13.2730        | 0.7528        | 13.9256     | 0.0000   | 2,640.4589 | 2,640.4589 | 0.5638 | 0.0000 | 2,649.4598 |

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## WRP 1 Capital Improvement Project - Imperial County, Summer

**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         | 0.0478        | 9.0000e-005        | 0.0102        | 0.0000        |               | 4.0000e-005        | 4.0000e-005        |                | 4.0000e-005        | 4.0000e-005        |          | 0.0219        | 0.0219        | 6.0000e-005        |               | 0.0233        |
| Energy       | 0.0000        | 0.0000             | 0.0000        | 0.0000        |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Mobile       | 0.0000        | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000             | 0.0000         | 0.0000             | 0.0000             |          | 0.0000        | 0.0000        | 0.0000             |               | 0.0000        |
| <b>Total</b> | <b>0.0478</b> | <b>9.0000e-005</b> | <b>0.0102</b> | <b>0.0000</b> | <b>0.0000</b> | <b>4.0000e-005</b> | <b>4.0000e-005</b> | <b>0.0000</b>  | <b>4.0000e-005</b> | <b>4.0000e-005</b> |          | <b>0.0219</b> | <b>0.0219</b> | <b>6.0000e-005</b> | <b>0.0000</b> | <b>0.0233</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         | 0.0478        | 9.0000e-005        | 0.0102        | 0.0000        |               | 4.0000e-005        | 4.0000e-005        |                | 4.0000e-005        | 4.0000e-005        |          | 0.0219        | 0.0219        | 6.0000e-005        |               | 0.0233        |
| Energy       | 0.0000        | 0.0000             | 0.0000        | 0.0000        |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Mobile       | 0.0000        | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000             | 0.0000         | 0.0000             | 0.0000             |          | 0.0000        | 0.0000        | 0.0000             |               | 0.0000        |
| <b>Total</b> | <b>0.0478</b> | <b>9.0000e-005</b> | <b>0.0102</b> | <b>0.0000</b> | <b>0.0000</b> | <b>4.0000e-005</b> | <b>4.0000e-005</b> | <b>0.0000</b>  | <b>4.0000e-005</b> | <b>4.0000e-005</b> |          | <b>0.0219</b> | <b>0.0219</b> | <b>6.0000e-005</b> | <b>0.0000</b> | <b>0.0233</b> |

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

**3.0 Construction Detail****Construction Phase**

| Phase Number | Phase Name          | Phase Type            | Start Date | End Date  | Num Days Week | Num Days | Phase Description |
|--------------|---------------------|-----------------------|------------|-----------|---------------|----------|-------------------|
| 1            | Grading             | Grading               | 4/5/2021   | 4/12/2021 | 5             | 6        |                   |
| 2            | Repair/ Replacement | Building Construction | 4/13/2021  | 4/26/2021 | 5             | 10       |                   |

**Acres of Grading (Site Preparation Phase): 0****Acres of Grading (Grading Phase): 3****Acres of Paving: 2.3****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

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| Phase Name          | Offroad Equipment Type    | Amount | Usage Hours | Horse Power | Load Factor |
|---------------------|---------------------------|--------|-------------|-------------|-------------|
| Grading             | Cement and Mortar Mixers  | 1      | 8.00        | 247         | 0.40        |
| Grading             | Graders                   | 1      | 8.00        | 187         | 0.41        |
| Grading             | Rubber Tired Dozers       | 1      | 8.00        | 247         | 0.40        |
| Grading             | Tractors/Loaders/Backhoes | 1      | 7.00        | 97          | 0.37        |
| Repair/ Replacement | Cranes                    | 1      | 2.00        | 231         | 0.29        |
| Repair/ Replacement | Forklifts                 | 2      | 7.00        | 89          | 0.20        |
| Repair/ Replacement | Generator Sets            | 1      | 8.00        | 84          | 0.74        |
| Repair/ Replacement | Tractors/Loaders/Backhoes | 1      | 6.00        | 97          | 0.37        |
| Repair/ Replacement | Welders                   | 3      | 8.00        | 46          | 0.45        |

Trips and VMT

| Phase Name          | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|---------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Grading             | 4                       | 8.00               | 0.00               | 0.00                | 7.30               | 8.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Repair/ Replacement | 8                       | 42.00              | 16.00              | 0.00                | 7.30               | 8.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |

**3.1 Mitigation Measures Construction**

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

## WRP 1 Capital Improvement Project - Imperial County, Summer

**3.2 Grading - 2021****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 |               |                |               |               | 6.5523        | 0.0000        | 6.5523        | 3.3675         | 0.0000        | 3.3675        |          |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 1.6632        | 18.5547        | 7.7827        | 0.0179        |               | 0.8180        | 0.8180        |                | 0.7525        | 0.7525        |          | 1,732.3239        | 1,732.3239        | 0.5603        |     | 1,746.3306        |
| <b>Total</b>  | <b>1.6632</b> | <b>18.5547</b> | <b>7.7827</b> | <b>0.0179</b> | <b>6.5523</b> | <b>0.8180</b> | <b>7.3703</b> | <b>3.3675</b>  | <b>0.7525</b> | <b>4.1200</b> |          | <b>1,732.3239</b> | <b>1,732.3239</b> | <b>0.5603</b> |     | <b>1,746.3306</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         |
| 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         |
| Worker       | 0.0518        | 0.0315        | 0.3724        | 4.4000e-004        | 17.2259        | 2.9000e-004        | 17.2262        | 1.7252         | 2.7000e-004        | 1.7254        |          | 43.7370        | 43.7370        | 3.5200e-003        |     | 43.8250        |
| <b>Total</b> | <b>0.0518</b> | <b>0.0315</b> | <b>0.3724</b> | <b>4.4000e-004</b> | <b>17.2259</b> | <b>2.9000e-004</b> | <b>17.2262</b> | <b>1.7252</b>  | <b>2.7000e-004</b> | <b>1.7254</b> |          | <b>43.7370</b> | <b>43.7370</b> | <b>3.5200e-003</b> |     | <b>43.8250</b> |

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**3.2 Grading - 2021****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 |               |                |               |               | 2.5554        | 0.0000        | 2.5554        | 1.3133         | 0.0000        | 1.3133        |               |                        | 0.0000                 |               |     | 0.0000                 |
| Off-Road      | 1.6632        | 18.5547        | 7.7827        | 0.0179        |               | 0.8180        | 0.8180        |                | 0.7525        | 0.7525        | 0.0000        | 1,732.323<br>9         | 1,732.323<br>9         | 0.5603        |     | 1,746.330<br>6         |
| <b>Total</b>  | <b>1.6632</b> | <b>18.5547</b> | <b>7.7827</b> | <b>0.0179</b> | <b>2.5554</b> | <b>0.8180</b> | <b>3.3734</b> | <b>1.3133</b>  | <b>0.7525</b> | <b>2.0658</b> | <b>0.0000</b> | <b>1,732.323<br/>9</b> | <b>1,732.323<br/>9</b> | <b>0.5603</b> |     | <b>1,746.330<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         |
| 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         |
| Worker       | 0.0518        | 0.0315        | 0.3724        | 4.4000e-004        | 17.2259        | 2.9000e-004        | 17.2262        | 1.7252         | 2.7000e-004        | 1.7254        |          | 43.7370        | 43.7370        | 3.5200e-003        |     | 43.8250        |
| <b>Total</b> | <b>0.0518</b> | <b>0.0315</b> | <b>0.3724</b> | <b>4.4000e-004</b> | <b>17.2259</b> | <b>2.9000e-004</b> | <b>17.2262</b> | <b>1.7252</b>  | <b>2.7000e-004</b> | <b>1.7254</b> |          | <b>43.7370</b> | <b>43.7370</b> | <b>3.5200e-003</b> |     | <b>43.8250</b> |

## WRP 1 Capital Improvement Project - Imperial County, Summer

**3.3 Repair/ Replacement - 2021****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     | 1.7354        | 12.3905        | 13.0758        | 0.0207        |               | 0.6696        | 0.6696        |                | 0.6472        | 0.6472        |          | 1,869.8815        | 1,869.8815        | 0.3148        |     | 1,877.7512        |
| <b>Total</b> | <b>1.7354</b> | <b>12.3905</b> | <b>13.0758</b> | <b>0.0207</b> |               | <b>0.6696</b> | <b>0.6696</b> |                | <b>0.6472</b> | <b>0.6472</b> |          | <b>1,869.8815</b> | <b>1,869.8815</b> | <b>0.3148</b> |     | <b>1,877.7512</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          |
| Vendor       | 0.0626        | 1.6383        | 0.4399        | 5.1700e-003        | 42.0267         | 4.1700e-003        | 42.0309         | 4.2159         | 3.9800e-003        | 4.2198         |          | 540.9582        | 540.9582        | 0.0268        |     | 541.6271        |
| Worker       | 0.2719        | 0.1654        | 1.9552        | 2.3200e-003        | 90.4361         | 1.5300e-003        | 90.4377         | 9.0571         | 1.4100e-003        | 9.0585         |          | 229.6193        | 229.6193        | 0.0185        |     | 230.0815        |
| <b>Total</b> | <b>0.3344</b> | <b>1.8037</b> | <b>2.3951</b> | <b>7.4900e-003</b> | <b>132.4629</b> | <b>5.7000e-003</b> | <b>132.4686</b> | <b>13.2730</b> | <b>5.3900e-003</b> | <b>13.2784</b> |          | <b>770.5775</b> | <b>770.5775</b> | <b>0.0453</b> |     | <b>771.7086</b> |

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**3.3 Repair/ Replacement - 2021****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     | 1.7354        | 12.3905        | 13.0758        | 0.0207        |               | 0.6696        | 0.6696        |                | 0.6472        | 0.6472        | 0.0000        | 1,869.8815        | 1,869.8815        | 0.3148        |     | 1,877.7512        |
| <b>Total</b> | <b>1.7354</b> | <b>12.3905</b> | <b>13.0758</b> | <b>0.0207</b> |               | <b>0.6696</b> | <b>0.6696</b> |                | <b>0.6472</b> | <b>0.6472</b> | <b>0.0000</b> | <b>1,869.8815</b> | <b>1,869.8815</b> | <b>0.3148</b> |     | <b>1,877.7512</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          |
| Vendor       | 0.0626        | 1.6383        | 0.4399        | 5.1700e-003        | 42.0267         | 4.1700e-003        | 42.0309         | 4.2159         | 3.9800e-003        | 4.2198         |          | 540.9582        | 540.9582        | 0.0268        |     | 541.6271        |
| Worker       | 0.2719        | 0.1654        | 1.9552        | 2.3200e-003        | 90.4361         | 1.5300e-003        | 90.4377         | 9.0571         | 1.4100e-003        | 9.0585         |          | 229.6193        | 229.6193        | 0.0185        |     | 230.0815        |
| <b>Total</b> | <b>0.3344</b> | <b>1.8037</b> | <b>2.3951</b> | <b>7.4900e-003</b> | <b>132.4629</b> | <b>5.7000e-003</b> | <b>132.4686</b> | <b>13.2730</b> | <b>5.3900e-003</b> | <b>13.2784</b> |          | <b>770.5775</b> | <b>770.5775</b> | <b>0.0453</b> |     | <b>771.7086</b> |

**4.0 Operational Detail - Mobile**

## WRP 1 Capital Improvement Project - Imperial County, Summer

## 4.1 Mitigation Measures Mobile

|             | ROG    | NOx    | CO     | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4    | N2O | CO2e   |
|-------------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|-----|--------|
| Category    | lb/day |        |        |        |               |              |            |                |               |             | lb/day   |           |           |        |     |        |
| Mitigated   | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000        | 0.0000       | 0.0000     | 0.0000         | 0.0000        | 0.0000      |          | 0.0000    | 0.0000    | 0.0000 |     | 0.0000 |
| Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000        | 0.0000       | 0.0000     | 0.0000         | 0.0000        | 0.0000      |          | 0.0000    | 0.0000    | 0.0000 |     | 0.0000 |

## 4.2 Trip Summary Information

| Land Use                   | Average Daily Trip Rate |          |        | Unmitigated | Mitigated  |
|----------------------------|-------------------------|----------|--------|-------------|------------|
|                            | Weekday                 | Saturday | Sunday | Annual VMT  | Annual VMT |
| Other Non-Asphalt Surfaces | 0.00                    | 0.00     | 0.00   |             |            |
| Total                      | 0.00                    | 0.00     | 0.00   |             |            |

## 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 |
| Other Non-Asphalt Surfaces | 6.70       | 5.00       | 8.90        | 0.00       | 0.00       | 0.00        | 0              | 0        | 0       |

## 4.4 Fleet Mix

| Land Use                   | LDA      | LDT1     | LDT2     | MDV      | LHD1     | LHD2     | MHD      | HHD      | OBUS     | UBUS     | MCY      | SBUS     | MH       |
|----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Other Non-Asphalt Surfaces | 0.514862 | 0.031726 | 0.160627 | 0.119887 | 0.016529 | 0.004969 | 0.019101 | 0.120993 | 0.003465 | 0.001214 | 0.005236 | 0.000734 | 0.000658 |

## WRP 1 Capital Improvement Project - Imperial County, Summer

**5.0 Energy Detail**

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Historical Energy Use: N

**5.1 Mitigation Measures Energy**

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|                        | ROG    | NOx    | CO     | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4    | N2O    | CO2e   |
|------------------------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|--------|
| Category               | lb/day |        |        |        |               |              |            |                |               |             | lb/day   |           |           |        |        |        |
| NaturalGas Mitigated   | 0.0000 | 0.0000 | 0.0000 | 0.0000 |               | 0.0000       | 0.0000     |                | 0.0000        | 0.0000      |          | 0.0000    | 0.0000    | 0.0000 | 0.0000 | 0.0000 |
| NaturalGas Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 |               | 0.0000       | 0.0000     |                | 0.0000        | 0.0000      |          | 0.0000    | 0.0000    | 0.0000 | 0.0000 | 0.0000 |

## WRP 1 Capital Improvement Project - Imperial County, Summer

**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   |               |               |               |               |               |
| Other Non-Asphalt Surfaces | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000        |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b>               |                | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |               | <b>0.0000</b> | <b>0.0000</b> |                | <b>0.0000</b> | <b>0.0000</b> |          | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

**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   |               |               |               |               |               |
| Other Non-Asphalt Surfaces | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000        |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b>               |                | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |               | <b>0.0000</b> | <b>0.0000</b> |                | <b>0.0000</b> | <b>0.0000</b> |          | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

**6.0 Area Detail****6.1 Mitigation Measures Area**

## WRP 1 Capital Improvement Project - Imperial County, Summer

|             | ROG    | NOx         | CO     | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4         | N2O | CO2e   |
|-------------|--------|-------------|--------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|--------|
| Category    | lb/day |             |        |        |               |              |             |                |               |             | lb/day   |           |           |             |     |        |
| Mitigated   | 0.0478 | 9.0000e-005 | 0.0102 | 0.0000 |               | 4.0000e-005  | 4.0000e-005 |                | 4.0000e-005   | 4.0000e-005 |          | 0.0219    | 0.0219    | 6.0000e-005 |     | 0.0233 |
| Unmitigated | 0.0478 | 9.0000e-005 | 0.0102 | 0.0000 |               | 4.0000e-005  | 4.0000e-005 |                | 4.0000e-005   | 4.0000e-005 |          | 0.0219    | 0.0219    | 6.0000e-005 |     | 0.0233 |

## 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 | 0.0114        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Consumer Products     | 0.0354        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Landscaping           | 9.5000e-004   | 9.0000e-005        | 0.0102        | 0.0000        |               | 4.0000e-005        | 4.0000e-005        |                | 4.0000e-005        | 4.0000e-005        |          | 0.0219        | 0.0219        | 6.0000e-005        |     | 0.0233        |
| <b>Total</b>          | <b>0.0478</b> | <b>9.0000e-005</b> | <b>0.0102</b> | <b>0.0000</b> |               | <b>4.0000e-005</b> | <b>4.0000e-005</b> |                | <b>4.0000e-005</b> | <b>4.0000e-005</b> |          | <b>0.0219</b> | <b>0.0219</b> | <b>6.0000e-005</b> |     | <b>0.0233</b> |

## WRP 1 Capital Improvement Project - Imperial County, Summer

**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 | 0.0114        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Consumer Products     | 0.0354        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Landscaping           | 9.5000e-004   | 9.0000e-005        | 0.0102        | 0.0000        |               | 4.0000e-005        | 4.0000e-005        |                | 4.0000e-005        | 4.0000e-005        |          | 0.0219        | 0.0219        | 6.0000e-005        |     | 0.0233        |
| <b>Total</b>          | <b>0.0478</b> | <b>9.0000e-005</b> | <b>0.0102</b> | <b>0.0000</b> |               | <b>4.0000e-005</b> | <b>4.0000e-005</b> |                | <b>4.0000e-005</b> | <b>4.0000e-005</b> |          | <b>0.0219</b> | <b>0.0219</b> | <b>6.0000e-005</b> |     | <b>0.0233</b> |

**7.0 Water Detail****7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

**10.0 Stationary Equipment****Fire Pumps and Emergency Generators**

## WRP 1 Capital Improvement Project - Imperial County, Summer

| 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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## WRP 2 Capital Improvement Project - Riverside-Salton Sea County, Summer

## WRP 2 Capital Improvement Project

### Riverside-Salton Sea County, Summer

## 1.0 Project Characteristics

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### 1.1 Land Usage

| Land Uses                  | Size  | Metric   | Lot Acreage | Floor Surface Area | Population |
|----------------------------|-------|----------|-------------|--------------------|------------|
| Recreational Swimming Pool | 45.00 | 1000sqft | 1.03        | 45,000.00          | 0          |

### 1.2 Other Project Characteristics

|                         |                              |                         |       |                           |       |
|-------------------------|------------------------------|-------------------------|-------|---------------------------|-------|
| Urbanization            | Urban                        | Wind Speed (m/s)        | 2.4   | Precipitation Freq (Days) | 28    |
| Climate Zone            | 10                           |                         |       | Operational Year          | 2022  |
| Utility Company         | Imperial Irrigation District |                         |       |                           |       |
| CO2 Intensity (lb/MWhr) | 1270.9                       | CH4 Intensity (lb/MWhr) | 0.029 | N2O Intensity (lb/MWhr)   | 0.006 |

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

## WRP 2 Capital Improvement Project - Riverside-Salton Sea County, Summer

Project Characteristics -

Land Use -

Construction Phase - construction timing updated to match the Project

Off-road Equipment - Equipment updated to match the Project

Off-road Equipment - equipment updated to match the project

Off-road Equipment - Equipment adjusted to match the project

Grading -

Vehicle Trips - No new vehicle trips

Water And Wastewater - No increase in wastewater

Solid Waste - No new solid waste generation

Construction Off-road Equipment Mitigation - SCAQMD Rule 403

| Table Name             | Column Name                    | Default Value | New Value |
|------------------------|--------------------------------|---------------|-----------|
| tblConstDustMitigation | CleanPavedRoadPercentReduction | 0             | 40        |
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed   | 0             | 15        |
| tblOffRoadEquipment    | OffRoadEquipmentUnitAmount     | 1.00          | 0.00      |
| tblOffRoadEquipment    | OffRoadEquipmentUnitAmount     | 1.00          | 0.00      |
| tblOffRoadEquipment    | OffRoadEquipmentUnitAmount     | 1.00          | 0.00      |
| tblOffRoadEquipment    | OffRoadEquipmentUnitAmount     | 1.00          | 0.00      |
| tblOffRoadEquipment    | OffRoadEquipmentUnitAmount     | 3.00          | 0.00      |
| tblOffRoadEquipment    | OffRoadEquipmentUnitAmount     | 1.00          | 0.00      |
| tblSolidWaste          | SolidWasteGenerationRate       | 256.50        | 0.00      |
| tblVehicleTrips        | ST_TR                          | 9.10          | 0.00      |
| tblVehicleTrips        | SU_TR                          | 13.60         | 0.00      |
| tblVehicleTrips        | WD_TR                          | 33.82         | 0.00      |
| tblWater               | IndoorWaterUseRate             | 2,661,441.48  | 0.00      |
| tblWater               | OutdoorWaterUseRate            | 1,631,206.07  | 0.00      |

## WRP 2 Capital Improvement Project - Riverside-Salton Sea County, Summer

**2.0 Emissions Summary****2.1 Overall Construction (Maximum Daily Emission)****Unmitigated Construction**

|         | ROG    | NOx    | CO     | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2      | Total CO2      | CH4    | N2O    | CO2e           |
|---------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------------|----------------|--------|--------|----------------|
| Year    | lb/day |        |        |        |               |              |            |                |               |             | lb/day   |                |                |        |        |                |
| 2021    | 0.7804 | 6.4305 | 7.6243 | 0.0136 | 0.0418        | 0.3555       | 0.3973     | 0.0111         | 0.3554        | 0.3665      | 0.0000   | 1,286.186<br>3 | 1,286.186<br>3 | 0.1040 | 0.0000 | 1,287.909<br>9 |
| Maximum | 0.7804 | 6.4305 | 7.6243 | 0.0136 | 0.0418        | 0.3555       | 0.3973     | 0.0111         | 0.3554        | 0.3665      | 0.0000   | 1,286.186<br>3 | 1,286.186<br>3 | 0.1040 | 0.0000 | 1,287.909<br>9 |

**Mitigated Construction**

|         | ROG    | NOx    | CO     | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2      | Total CO2      | CH4    | N2O    | CO2e           |
|---------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------------|----------------|--------|--------|----------------|
| Year    | lb/day |        |        |        |               |              |            |                |               |             | lb/day   |                |                |        |        |                |
| 2021    | 0.7804 | 6.4305 | 7.6243 | 0.0136 | 0.0273        | 0.3555       | 0.3828     | 7.5300e-003    | 0.3554        | 0.3630      | 0.0000   | 1,286.186<br>3 | 1,286.186<br>3 | 0.1040 | 0.0000 | 1,287.909<br>9 |
| Maximum | 0.7804 | 6.4305 | 7.6243 | 0.0136 | 0.0273        | 0.3555       | 0.3828     | 7.5300e-003    | 0.3554        | 0.3630      | 0.0000   | 1,286.186<br>3 | 1,286.186<br>3 | 0.1040 | 0.0000 | 1,287.909<br>9 |

## WRP 2 Capital Improvement Project - Riverside-Salton Sea County, Summer

|                   | ROG  | NOx  | CO   | SO2  | 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 | 34.76         | 0.00         | 3.66       | 32.16          | 0.00          | 0.97        | 0.00     | 0.00     | 0.00      | 0.00 | 0.00 | 0.00 |

## WRP 2 Capital Improvement Project - Riverside-Salton Sea County, Summer

**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         | 1.2492        | 4.0000e-005        | 4.6000e-003        | 0.0000        |               | 2.0000e-005        | 2.0000e-005        |                | 2.0000e-005        | 2.0000e-005        |          | 9.8500e-003        | 9.8500e-003        | 3.0000e-005        |               | 0.0105        |
| Energy       | 0.0000        | 0.0000             | 0.0000             | 0.0000        |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        |
| Mobile       | 0.0000        | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000             | 0.0000             | 0.0000         | 0.0000             | 0.0000             |          | 0.0000             | 0.0000             | 0.0000             |               | 0.0000        |
| <b>Total</b> | <b>1.2492</b> | <b>4.0000e-005</b> | <b>4.6000e-003</b> | <b>0.0000</b> | <b>0.0000</b> | <b>2.0000e-005</b> | <b>2.0000e-005</b> | <b>0.0000</b>  | <b>2.0000e-005</b> | <b>2.0000e-005</b> |          | <b>9.8500e-003</b> | <b>9.8500e-003</b> | <b>3.0000e-005</b> | <b>0.0000</b> | <b>0.0105</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         | 1.2492        | 4.0000e-005        | 4.6000e-003        | 0.0000        |               | 2.0000e-005        | 2.0000e-005        |                | 2.0000e-005        | 2.0000e-005        |          | 9.8500e-003        | 9.8500e-003        | 3.0000e-005        |               | 0.0105        |
| Energy       | 0.0000        | 0.0000             | 0.0000             | 0.0000        |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        |
| Mobile       | 0.0000        | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000             | 0.0000             | 0.0000         | 0.0000             | 0.0000             |          | 0.0000             | 0.0000             | 0.0000             |               | 0.0000        |
| <b>Total</b> | <b>1.2492</b> | <b>4.0000e-005</b> | <b>4.6000e-003</b> | <b>0.0000</b> | <b>0.0000</b> | <b>2.0000e-005</b> | <b>2.0000e-005</b> | <b>0.0000</b>  | <b>2.0000e-005</b> | <b>2.0000e-005</b> |          | <b>9.8500e-003</b> | <b>9.8500e-003</b> | <b>3.0000e-005</b> | <b>0.0000</b> | <b>0.0105</b> |

## WRP 2 Capital Improvement Project - Riverside-Salton Sea County, Summer

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

**3.0 Construction Detail****Construction Phase**

| Phase Number | Phase Name                    | Phase Type       | Start Date | End Date  | Num Days Week | Num Days | Phase Description |
|--------------|-------------------------------|------------------|------------|-----------|---------------|----------|-------------------|
| 1            | Demolition (water extraction) | Demolition       | 4/8/2021   | 4/21/2021 | 5             | 20       |                   |
| 2            | Liner Installation            | Site Preparation | 4/22/2021  | 4/23/2021 | 5             | 2        |                   |

**Acres of Grading (Site Preparation Phase): 0****Acres of Grading (Grading Phase): 0****Acres of Paving: 0****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

| Phase Name                    | Offroad Equipment Type    | Amount | Usage Hours | Horse Power | Load Factor |
|-------------------------------|---------------------------|--------|-------------|-------------|-------------|
| Demolition (water extraction) | Concrete/Industrial Saws  | 0      | 8.00        | 81          | 0.73        |
| Demolition (water extraction) | Pumps                     | 2      | 8.00        | 84          | 0.74        |
| Demolition (water extraction) | Rubber Tired Dozers       | 0      | 8.00        | 247         | 0.40        |
| Demolition (water extraction) | Tractors/Loaders/Backhoes | 0      | 8.00        | 97          | 0.37        |
| Liner Installation            | Graders                   | 0      | 8.00        | 187         | 0.41        |
| Liner Installation            | Off-Highway Trucks        | 1      | 2.00        | 402         | 0.38        |
| Liner Installation            | Rubber Tired Dozers       | 0      | 7.00        | 247         | 0.40        |
| Liner Installation            | Tractors/Loaders/Backhoes | 0      | 8.00        | 97          | 0.37        |

## WRP 2 Capital Improvement Project - Riverside-Salton Sea County, Summer

**Trips and VMT**

| Phase Name                    | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-------------------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Demolition (water extraction) | 2                       | 5.00               | 0.00               | 0.00                | 11.00              | 5.40               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Liner Installation            | 1                       | 3.00               | 0.00               | 0.00                | 11.00              | 5.40               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |

**3.1 Mitigation Measures Construction**

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

**3.2 Demolition (water extraction) - 2021****Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Off-Road     | 0.7608        | 6.4200        | 7.4813        | 0.0132        |               | 0.3552        | 0.3552        |                | 0.3552        | 0.3552        |          | 1,246.0713        | 1,246.0713        | 0.0680        |     | 1,247.7706        |
| <b>Total</b> | <b>0.7608</b> | <b>6.4200</b> | <b>7.4813</b> | <b>0.0132</b> |               | <b>0.3552</b> | <b>0.3552</b> |                | <b>0.3552</b> | <b>0.3552</b> |          | <b>1,246.0713</b> | <b>1,246.0713</b> | <b>0.0680</b> |     | <b>1,247.7706</b> |

## WRP 2 Capital Improvement Project - Riverside-Salton Sea County, Summer

**3.2 Demolition (water extraction) - 2021****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         |
| 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         |
| Worker       | 0.0195        | 0.0105        | 0.1431        | 4.0000e-004        | 0.0418        | 2.5000e-004        | 0.0421        | 0.0111         | 2.3000e-004        | 0.0113        |          | 40.1150        | 40.1150        | 9.7000e-004        |     | 40.1393        |
| <b>Total</b> | <b>0.0195</b> | <b>0.0105</b> | <b>0.1431</b> | <b>4.0000e-004</b> | <b>0.0418</b> | <b>2.5000e-004</b> | <b>0.0421</b> | <b>0.0111</b>  | <b>2.3000e-004</b> | <b>0.0113</b> |          | <b>40.1150</b> | <b>40.1150</b> | <b>9.7000e-004</b> |     | <b>40.1393</b> |

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 0.7608        | 6.4200        | 7.4813        | 0.0132        |               | 0.3552        | 0.3552        |                | 0.3552        | 0.3552        | 0.0000        | 1,246.0713        | 1,246.0713        | 0.0680        |     | 1,247.7706        |
| <b>Total</b> | <b>0.7608</b> | <b>6.4200</b> | <b>7.4813</b> | <b>0.0132</b> |               | <b>0.3552</b> | <b>0.3552</b> |                | <b>0.3552</b> | <b>0.3552</b> | <b>0.0000</b> | <b>1,246.0713</b> | <b>1,246.0713</b> | <b>0.0680</b> |     | <b>1,247.7706</b> |

## WRP 2 Capital Improvement Project - Riverside-Salton Sea County, Summer

**3.2 Demolition (water extraction) - 2021****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         |
| 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         |
| Worker       | 0.0195        | 0.0105        | 0.1431        | 4.0000e-004        | 0.0273        | 2.5000e-004        | 0.0275        | 7.5300e-003        | 2.3000e-004        | 7.7600e-003        |          | 40.1150        | 40.1150        | 9.7000e-004        |     | 40.1393        |
| <b>Total</b> | <b>0.0195</b> | <b>0.0105</b> | <b>0.1431</b> | <b>4.0000e-004</b> | <b>0.0273</b> | <b>2.5000e-004</b> | <b>0.0275</b> | <b>7.5300e-003</b> | <b>2.3000e-004</b> | <b>7.7600e-003</b> |          | <b>40.1150</b> | <b>40.1150</b> | <b>9.7000e-004</b> |     | <b>40.1393</b> |

**3.3 Liner Installation - 2021****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 |               |               |               |                    | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          |                 | 0.0000          |               |     | 0.0000          |
| Off-Road      | 0.1515        | 1.3158        | 0.9011        | 3.3000e-003        |               | 0.0483        | 0.0483        |                | 0.0444        | 0.0444        |          | 319.6308        | 319.6308        | 0.1034        |     | 322.2151        |
| <b>Total</b>  | <b>0.1515</b> | <b>1.3158</b> | <b>0.9011</b> | <b>3.3000e-003</b> | <b>0.0000</b> | <b>0.0483</b> | <b>0.0483</b> | <b>0.0000</b>  | <b>0.0444</b> | <b>0.0444</b> |          | <b>319.6308</b> | <b>319.6308</b> | <b>0.1034</b> |     | <b>322.2151</b> |

## WRP 2 Capital Improvement Project - Riverside-Salton Sea County, Summer

**3.3 Liner Installation - 2021****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         |
| 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         |
| Worker       | 0.0117        | 6.2700e-003        | 0.0858        | 2.4000e-004        | 0.0251        | 1.5000e-004        | 0.0253        | 6.6600e-003        | 1.4000e-004        | 6.8000e-003        |          | 24.0690        | 24.0690        | 5.8000e-004        |     | 24.0836        |
| <b>Total</b> | <b>0.0117</b> | <b>6.2700e-003</b> | <b>0.0858</b> | <b>2.4000e-004</b> | <b>0.0251</b> | <b>1.5000e-004</b> | <b>0.0253</b> | <b>6.6600e-003</b> | <b>1.4000e-004</b> | <b>6.8000e-003</b> |          | <b>24.0690</b> | <b>24.0690</b> | <b>5.8000e-004</b> |     | <b>24.0836</b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| Category      | lb/day        |               |               |                    |               |               |               |                |               |               | lb/day        |                 |                 |               |     |                 |
| Fugitive Dust |               |               |               |                    | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |               |                 | 0.0000          |               |     | 0.0000          |
| Off-Road      | 0.1515        | 1.3158        | 0.9011        | 3.3000e-003        |               | 0.0483        | 0.0483        |                | 0.0444        | 0.0444        | 0.0000        | 319.6308        | 319.6308        | 0.1034        |     | 322.2151        |
| <b>Total</b>  | <b>0.1515</b> | <b>1.3158</b> | <b>0.9011</b> | <b>3.3000e-003</b> | <b>0.0000</b> | <b>0.0483</b> | <b>0.0483</b> | <b>0.0000</b>  | <b>0.0444</b> | <b>0.0444</b> | <b>0.0000</b> | <b>319.6308</b> | <b>319.6308</b> | <b>0.1034</b> |     | <b>322.2151</b> |

## WRP 2 Capital Improvement Project - Riverside-Salton Sea County, Summer

**3.3 Liner Installation - 2021****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         |
| 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         |
| Worker       | 0.0117        | 6.2700e-003        | 0.0858        | 2.4000e-004        | 0.0164        | 1.5000e-004        | 0.0165        | 4.5200e-003        | 1.4000e-004        | 4.6600e-003        |          | 24.0690        | 24.0690        | 5.8000e-004        |     | 24.0836        |
| <b>Total</b> | <b>0.0117</b> | <b>6.2700e-003</b> | <b>0.0858</b> | <b>2.4000e-004</b> | <b>0.0164</b> | <b>1.5000e-004</b> | <b>0.0165</b> | <b>4.5200e-003</b> | <b>1.4000e-004</b> | <b>4.6600e-003</b> |          | <b>24.0690</b> | <b>24.0690</b> | <b>5.8000e-004</b> |     | <b>24.0836</b> |

**4.0 Operational Detail - Mobile****4.1 Mitigation Measures Mobile**

## WRP 2 Capital Improvement Project - Riverside-Salton Sea County, Summer

|             | ROG    | NOx    | CO     | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4    | N2O | CO2e   |
|-------------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|-----|--------|
| Category    | lb/day |        |        |        |               |              |            |                |               |             | lb/day   |           |           |        |     |        |
| Mitigated   | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000        | 0.0000       | 0.0000     | 0.0000         | 0.0000        | 0.0000      |          | 0.0000    | 0.0000    | 0.0000 |     | 0.0000 |
| Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000        | 0.0000       | 0.0000     | 0.0000         | 0.0000        | 0.0000      |          | 0.0000    | 0.0000    | 0.0000 |     | 0.0000 |

## 4.2 Trip Summary Information

| Land Use                   | Average Daily Trip Rate |          |        | Unmitigated | Mitigated  |
|----------------------------|-------------------------|----------|--------|-------------|------------|
|                            | Weekday                 | Saturday | Sunday | Annual VMT  | Annual VMT |
| Recreational Swimming Pool | 0.00                    | 0.00     | 0.00   |             |            |
| Total                      | 0.00                    | 0.00     | 0.00   |             |            |

## 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 |
| Recreational Swimming Pool | 12.50      | 4.20       | 5.40        | 33.00      | 48.00      | 19.00       | 52             | 39       | 9       |

## 4.4 Fleet Mix

| Land Use                   | LDA      | LDT1     | LDT2     | MDV      | LHD1     | LHD2     | MHD      | HHD      | OBUS     | UBUS     | MCY      | SBUS     | MH       |
|----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Recreational Swimming Pool | 0.545527 | 0.036856 | 0.186032 | 0.115338 | 0.015222 | 0.004970 | 0.017525 | 0.069528 | 0.001397 | 0.001160 | 0.004547 | 0.000932 | 0.000965 |

## 5.0 Energy Detail

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Historical Energy Use: N

## WRP 2 Capital Improvement Project - Riverside-Salton Sea County, Summer

## 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   | 0.0000 | 0.0000 | 0.0000 | 0.0000 |               | 0.0000       | 0.0000     |                | 0.0000        | 0.0000      |          | 0.0000    | 0.0000    | 0.0000 | 0.0000 | 0.0000 |
| NaturalGas Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 |               | 0.0000       | 0.0000     |                | 0.0000        | 0.0000      |          | 0.0000    | 0.0000    | 0.0000 | 0.0000 | 0.0000 |

## 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   |               |               |               |               |               |
| Recreational Swimming Pool | 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>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |               | <b>0.0000</b> | <b>0.0000</b> |                | <b>0.0000</b> | <b>0.0000</b> |          | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

## WRP 2 Capital Improvement Project - Riverside-Salton Sea County, Summer

**5.2 Energy by Land Use - NaturalGas****Mitigated**

|                            | NaturalGas Use | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2     | Total CO2     | CH4           | N2O           | CO2e          |
|----------------------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|---------------|---------------|---------------|---------------|---------------|
| Land Use                   | kBTU/yr        | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |               |               |               |               |               |
| Recreational Swimming Pool | 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>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |               | <b>0.0000</b> | <b>0.0000</b> |                | <b>0.0000</b> | <b>0.0000</b> |          | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

**6.0 Area Detail****6.1 Mitigation Measures Area**

|             | ROG    | NOx         | CO          | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2   | Total CO2   | CH4         | N2O | CO2e   |
|-------------|--------|-------------|-------------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-------------|-------------|-------------|-----|--------|
| Category    | lb/day |             |             |        |               |              |             |                |               |             | lb/day   |             |             |             |     |        |
| Mitigated   | 1.2492 | 4.0000e-005 | 4.6000e-003 | 0.0000 |               | 2.0000e-005  | 2.0000e-005 |                | 2.0000e-005   | 2.0000e-005 |          | 9.8500e-003 | 9.8500e-003 | 3.0000e-005 |     | 0.0105 |
| Unmitigated | 1.2492 | 4.0000e-005 | 4.6000e-003 | 0.0000 |               | 2.0000e-005  | 2.0000e-005 |                | 2.0000e-005   | 2.0000e-005 |          | 9.8500e-003 | 9.8500e-003 | 3.0000e-005 |     | 0.0105 |

## WRP 2 Capital Improvement Project - Riverside-Salton Sea County, Summer

**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 | 0.2857        |                    |                    |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |                    | 0.0000             |                    |     | 0.0000        |
| Consumer Products     | 0.9630        |                    |                    |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |                    | 0.0000             |                    |     | 0.0000        |
| Landscaping           | 4.3000e-004   | 4.0000e-005        | 4.6000e-003        | 0.0000        |               | 2.0000e-005        | 2.0000e-005        |                | 2.0000e-005        | 2.0000e-005        |          | 9.8500e-003        | 9.8500e-003        | 3.0000e-005        |     | 0.0105        |
| <b>Total</b>          | <b>1.2492</b> | <b>4.0000e-005</b> | <b>4.6000e-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>9.8500e-003</b> | <b>9.8500e-003</b> | <b>3.0000e-005</b> |     | <b>0.0105</b> |

**Mitigated**

|                       | ROG           | NOx                | CO                 | SO2           | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2 | NBio- CO2          | Total CO2          | CH4                | N2O | CO2e          |
|-----------------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|--------------------|--------------------|--------------------|-----|---------------|
| SubCategory           | lb/day        |                    |                    |               |               |                    |                    |                |                    |                    | lb/day   |                    |                    |                    |     |               |
| Architectural Coating | 0.2857        |                    |                    |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |                    | 0.0000             |                    |     | 0.0000        |
| Consumer Products     | 0.9630        |                    |                    |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |                    | 0.0000             |                    |     | 0.0000        |
| Landscaping           | 4.3000e-004   | 4.0000e-005        | 4.6000e-003        | 0.0000        |               | 2.0000e-005        | 2.0000e-005        |                | 2.0000e-005        | 2.0000e-005        |          | 9.8500e-003        | 9.8500e-003        | 3.0000e-005        |     | 0.0105        |
| <b>Total</b>          | <b>1.2492</b> | <b>4.0000e-005</b> | <b>4.6000e-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>9.8500e-003</b> | <b>9.8500e-003</b> | <b>3.0000e-005</b> |     | <b>0.0105</b> |

**7.0 Water Detail**

## WRP 2 Capital Improvement Project - Riverside-Salton Sea County, Summer

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**7.1 Mitigation Measures Water**

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**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

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**9.0 Operational Offroad**

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

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**10.0 Stationary Equipment****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 |
|----------------|--------|
|----------------|--------|

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**11.0 Vegetation**

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## WRP 4 Capital Improvement Project - Riverside-Salton Sea County, Summer

## WRP 4 Capital Improvement Project

### Riverside-Salton Sea County, Summer

## 1.0 Project Characteristics

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### 1.1 Land Usage

| Land Uses                  | Size   | Metric   | Lot Acreage | Floor Surface Area | Population |
|----------------------------|--------|----------|-------------|--------------------|------------|
| General Light Industry     | 0.90   | 1000sqft | 0.02        | 900.00             | 0          |
| Other Non-Asphalt Surfaces | 471.60 | 1000sqft | 10.83       | 471,600.00         | 0          |

### 1.2 Other Project Characteristics

|                            |                              |                            |       |                            |       |
|----------------------------|------------------------------|----------------------------|-------|----------------------------|-------|
| Urbanization               | Urban                        | Wind Speed (m/s)           | 2.4   | Precipitation Freq (Days)  | 28    |
| Climate Zone               | 10                           |                            |       | Operational Year           | 2022  |
| Utility Company            | Imperial Irrigation District |                            |       |                            |       |
| CO2 Intensity<br>(lb/MWhr) | 1270.9                       | CH4 Intensity<br>(lb/MWhr) | 0.029 | N2O Intensity<br>(lb/MWhr) | 0.006 |

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

## WRP 4 Capital Improvement Project - Riverside-Salton Sea County, Summer

Project Characteristics -

Land Use -

Construction Phase - construction timing updated to match the project

Off-road Equipment - Equipment updated to match the Project

Off-road Equipment -

Off-road Equipment - Equipment updated to match the Project

Off-road Equipment - equipment updated to match the project

Grading -

Water And Wastewater - Water use updated to account for water increase.

Construction Off-road Equipment Mitigation - SCAQMD Rule 403

| Table Name             | Column Name                    | Default Value | New Value        |
|------------------------|--------------------------------|---------------|------------------|
| tblConstDustMitigation | CleanPavedRoadPercentReduction | 0             | 40               |
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed   | 0             | 15               |
| tblConstructionPhase   | NumDays                        | 300.00        | 125.00           |
| tblConstructionPhase   | NumDays                        | 30.00         | 5.00             |
| tblConstructionPhase   | NumDays                        | 20.00         | 5.00             |
| tblOffRoadEquipment    | OffRoadEquipmentUnitAmount     | 3.00          | 1.00             |
| tblOffRoadEquipment    | OffRoadEquipmentUnitAmount     | 2.00          | 1.00             |
| tblOffRoadEquipment    | OffRoadEquipmentUnitAmount     | 2.00          | 1.00             |
| tblOffRoadEquipment    | OffRoadEquipmentUnitAmount     | 3.00          | 1.00             |
| tblOffRoadEquipment    | OffRoadEquipmentUnitAmount     | 3.00          | 1.00             |
| tblOffRoadEquipment    | OffRoadEquipmentUnitAmount     | 4.00          | 1.00             |
| tblTripsAndVMT         | WorkerTripNumber               | 5.00          | 18.00            |
| tblTripsAndVMT         | WorkerTripNumber               | 10.00         | 15.00            |
| tblWater               | IndoorWaterUseRate             | 208,125.00    | 0.00             |
| tblWater               | IndoorWaterUseRate             | 0.00          | 5,511,500,000.00 |

## WRP 4 Capital Improvement Project - Riverside-Salton Sea County, Summer

**2.0 Emissions Summary****2.1 Overall Construction (Maximum Daily Emission)****Unmitigated Construction**

|         | ROG    | NOx     | CO      | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2      | Total CO2      | CH4    | N2O    | CO2e           |
|---------|--------|---------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------------|----------------|--------|--------|----------------|
| Year    | lb/day |         |         |        |               |              |            |                |               |             | lb/day   |                |                |        |        |                |
| 2021    | 4.2692 | 46.4416 | 31.4506 | 0.0636 | 8.8407        | 1.9864       | 10.8270    | 3.6409         | 1.8275        | 5.4683      | 0.0000   | 6,167.503<br>3 | 6,167.503<br>3 | 1.9467 | 0.0000 | 6,216.170<br>6 |
| Maximum | 4.2692 | 46.4416 | 31.4506 | 0.0636 | 8.8407        | 1.9864       | 10.8270    | 3.6409         | 1.8275        | 5.4683      | 0.0000   | 6,167.503<br>3 | 6,167.503<br>3 | 1.9467 | 0.0000 | 6,216.170<br>6 |

**Mitigated Construction**

|         | ROG    | NOx     | CO      | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2      | Total CO2      | CH4    | N2O    | CO2e           |
|---------|--------|---------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------------|----------------|--------|--------|----------------|
| Year    | lb/day |         |         |        |               |              |            |                |               |             | lb/day   |                |                |        |        |                |
| 2021    | 4.2692 | 46.4416 | 31.4506 | 0.0636 | 3.4918        | 1.9864       | 5.4781     | 1.4328         | 1.8275        | 3.2602      | 0.0000   | 6,167.503<br>3 | 6,167.503<br>3 | 1.9467 | 0.0000 | 6,216.170<br>6 |
| Maximum | 4.2692 | 46.4416 | 31.4506 | 0.0636 | 3.4918        | 1.9864       | 5.4781     | 1.4328         | 1.8275        | 3.2602      | 0.0000   | 6,167.503<br>3 | 6,167.503<br>3 | 1.9467 | 0.0000 | 6,216.170<br>6 |

## WRP 4 Capital Improvement Project - Riverside-Salton Sea County, Summer

|                   | ROG  | NOx  | CO   | SO2  | 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 | 60.50         | 0.00         | 49.40      | 60.65          | 0.00          | 40.38       | 0.00     | 0.00     | 0.00      | 0.00 | 0.00 | 0.00 |

## WRP 4 Capital Improvement Project - Riverside-Salton Sea County, Summer

**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         | 0.2863        | 4.4000e-004   | 0.0483        | 0.0000             |               | 1.7000e-004        | 1.7000e-004   |                | 1.7000e-004        | 1.7000e-004   |          | 0.1034         | 0.1034         | 2.7000e-004        |                    | 0.1102         |
| Energy       | 8.6000e-004   | 7.8500e-003   | 6.6000e-003   | 5.0000e-005        |               | 6.0000e-004        | 6.0000e-004   |                | 6.0000e-004        | 6.0000e-004   |          | 9.4250         | 9.4250         | 1.8000e-004        | 1.7000e-004        | 9.4810         |
| Mobile       | 0.0115        | 0.0819        | 0.1312        | 5.7000e-004        | 0.0420        | 3.7000e-004        | 0.0424        | 0.0113         | 3.5000e-004        | 0.0116        |          | 58.1336        | 58.1336        | 2.7900e-003        |                    | 58.2032        |
| <b>Total</b> | <b>0.2987</b> | <b>0.0902</b> | <b>0.1861</b> | <b>6.2000e-004</b> | <b>0.0420</b> | <b>1.1400e-003</b> | <b>0.0432</b> | <b>0.0113</b>  | <b>1.1200e-003</b> | <b>0.0124</b> |          | <b>67.6620</b> | <b>67.6620</b> | <b>3.2400e-003</b> | <b>1.7000e-004</b> | <b>67.7945</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         | 0.2863        | 4.4000e-004   | 0.0483        | 0.0000             |               | 1.7000e-004        | 1.7000e-004   |                | 1.7000e-004        | 1.7000e-004   |          | 0.1034         | 0.1034         | 2.7000e-004        |                    | 0.1102         |
| Energy       | 8.6000e-004   | 7.8500e-003   | 6.6000e-003   | 5.0000e-005        |               | 6.0000e-004        | 6.0000e-004   |                | 6.0000e-004        | 6.0000e-004   |          | 9.4250         | 9.4250         | 1.8000e-004        | 1.7000e-004        | 9.4810         |
| Mobile       | 0.0115        | 0.0819        | 0.1312        | 5.7000e-004        | 0.0420        | 3.7000e-004        | 0.0424        | 0.0113         | 3.5000e-004        | 0.0116        |          | 58.1336        | 58.1336        | 2.7900e-003        |                    | 58.2032        |
| <b>Total</b> | <b>0.2987</b> | <b>0.0902</b> | <b>0.1861</b> | <b>6.2000e-004</b> | <b>0.0420</b> | <b>1.1400e-003</b> | <b>0.0432</b> | <b>0.0113</b>  | <b>1.1200e-003</b> | <b>0.0124</b> |          | <b>67.6620</b> | <b>67.6620</b> | <b>3.2400e-003</b> | <b>1.7000e-004</b> | <b>67.7945</b> |

## WRP 4 Capital Improvement Project - Riverside-Salton Sea County, Summer

|                   | ROG  | NOx  | CO   | SO2  | 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      | 4/5/2021   | 4/16/2021  | 5             | 10       |                   |
| 2            | Grading               | Grading               | 4/17/2021  | 4/23/2021  | 5             | 5        |                   |
| 3            | Building Construction | Building Construction | 4/24/2021  | 10/15/2021 | 5             | 125      |                   |
| 4            | Paving                | Paving                | 10/16/2021 | 10/22/2021 | 5             | 5        |                   |

**Acres of Grading (Site Preparation Phase): 0****Acres of Grading (Grading Phase): 12.5****Acres of Paving: 10.83****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

## WRP 4 Capital Improvement Project - Riverside-Salton Sea County, Summer

| Phase Name            | Offroad Equipment Type    | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Site Preparation      | Rubber Tired Dozers       | 1      | 8.00        | 247         | 0.40        |
| Site Preparation      | Tractors/Loaders/Backhoes | 1      | 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                 | 1      | 8.00        | 89          | 0.20        |
| Building Construction | Generator Sets            | 1      | 8.00        | 84          | 0.74        |
| Building Construction | Tractors/Loaders/Backhoes | 1      | 7.00        | 97          | 0.37        |
| Building Construction | Welders                   | 1      | 8.00        | 46          | 0.45        |
| Paving                | Pavers                    | 1      | 8.00        | 130         | 0.42        |
| Paving                | Paving Equipment          | 1      | 8.00        | 132         | 0.36        |
| Paving                | Rollers                   | 2      | 8.00        | 80          | 0.38        |

Trips and VMT

| Phase Name            | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Site Preparation      | 2                       | 18.00              | 0.00               | 0.00                | 11.00              | 5.40               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Grading               | 8                       | 20.00              | 0.00               | 0.00                | 11.00              | 5.40               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Building Construction | 5                       | 198.00             | 77.00              | 0.00                | 11.00              | 5.40               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Paving                | 4                       | 15.00              | 0.00               | 0.00                | 11.00              | 5.40               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |

**3.1 Mitigation Measures Construction**

## WRP 4 Capital Improvement Project - Riverside-Salton Sea County, Summer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

**3.2 Site Preparation - 2021****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 |               |                |               |               | 6.0221        | 0.0000        | 6.0221        | 3.3102         | 0.0000        | 3.3102        |          |                        | 0.0000                 |               |     | 0.0000                 |
| Off-Road      | 1.2336        | 12.8671        | 6.2980        | 0.0116        |               | 0.6442        | 0.6442        |                | 0.5927        | 0.5927        |          | 1,128.252<br>3         | 1,128.252<br>3         | 0.3649        |     | 1,137.374<br>8         |
| <b>Total</b>  | <b>1.2336</b> | <b>12.8671</b> | <b>6.2980</b> | <b>0.0116</b> | <b>6.0221</b> | <b>0.6442</b> | <b>6.6663</b> | <b>3.3102</b>  | <b>0.5927</b> | <b>3.9029</b> |          | <b>1,128.252<br/>3</b> | <b>1,128.252<br/>3</b> | <b>0.3649</b> |     | <b>1,137.374<br/>8</b> |

## WRP 4 Capital Improvement Project - Riverside-Salton Sea County, Summer

**3.2 Site Preparation - 2021****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          |
| 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          |
| Worker       | 0.0702        | 0.0376        | 0.5150        | 1.4500e-003        | 0.1506        | 9.2000e-004        | 0.1515        | 0.0400         | 8.4000e-004        | 0.0408        |          | 144.4138        | 144.4138        | 3.5100e-003        |     | 144.5015        |
| <b>Total</b> | <b>0.0702</b> | <b>0.0376</b> | <b>0.5150</b> | <b>1.4500e-003</b> | <b>0.1506</b> | <b>9.2000e-004</b> | <b>0.1515</b> | <b>0.0400</b>  | <b>8.4000e-004</b> | <b>0.0408</b> |          | <b>144.4138</b> | <b>144.4138</b> | <b>3.5100e-003</b> |     | <b>144.5015</b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx            | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |               |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Fugitive Dust |               |                |               |               | 2.3486        | 0.0000        | 2.3486        | 1.2910         | 0.0000        | 1.2910        |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 1.2336        | 12.8671        | 6.2980        | 0.0116        |               | 0.6442        | 0.6442        |                | 0.5927        | 0.5927        | 0.0000        | 1,128.2523        | 1,128.2523        | 0.3649        |     | 1,137.3748        |
| <b>Total</b>  | <b>1.2336</b> | <b>12.8671</b> | <b>6.2980</b> | <b>0.0116</b> | <b>2.3486</b> | <b>0.6442</b> | <b>2.9928</b> | <b>1.2910</b>  | <b>0.5927</b> | <b>1.8837</b> | <b>0.0000</b> | <b>1,128.2523</b> | <b>1,128.2523</b> | <b>0.3649</b> |     | <b>1,137.3748</b> |

## WRP 4 Capital Improvement Project - Riverside-Salton Sea County, Summer

**3.2 Site Preparation - 2021****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          |
| 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          |
| Worker       | 0.0702        | 0.0376        | 0.5150        | 1.4500e-003        | 0.0983        | 9.2000e-004        | 0.0992        | 0.0271         | 8.4000e-004        | 0.0279        |          | 144.4138        | 144.4138        | 3.5100e-003        |     | 144.5015        |
| <b>Total</b> | <b>0.0702</b> | <b>0.0376</b> | <b>0.5150</b> | <b>1.4500e-003</b> | <b>0.0983</b> | <b>9.2000e-004</b> | <b>0.0992</b> | <b>0.0271</b>  | <b>8.4000e-004</b> | <b>0.0279</b> |          | <b>144.4138</b> | <b>144.4138</b> | <b>3.5100e-003</b> |     | <b>144.5015</b> |

**3.3 Grading - 2021****Unmitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total     | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |               |               |                |                |               |               | lb/day   |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 8.6733        | 0.0000        | 8.6733         | 3.5965         | 0.0000        | 3.5965        |          |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 4.1912        | 46.3998        | 30.8785        | 0.0620        |               | 1.9853        | 1.9853         |                | 1.8265        | 1.8265        |          | 6,007.0434        | 6,007.0434        | 1.9428        |     | 6,055.6134        |
| <b>Total</b>  | <b>4.1912</b> | <b>46.3998</b> | <b>30.8785</b> | <b>0.0620</b> | <b>8.6733</b> | <b>1.9853</b> | <b>10.6587</b> | <b>3.5965</b>  | <b>1.8265</b> | <b>5.4230</b> |          | <b>6,007.0434</b> | <b>6,007.0434</b> | <b>1.9428</b> |     | <b>6,055.6134</b> |

## WRP 4 Capital Improvement Project - Riverside-Salton Sea County, Summer

**3.3 Grading - 2021****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          |
| 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          |
| Worker       | 0.0780        | 0.0418        | 0.5722        | 1.6100e-003        | 0.1673        | 1.0200e-003        | 0.1684        | 0.0444         | 9.4000e-004        | 0.0453        |          | 160.4598        | 160.4598        | 3.8900e-003        |     | 160.5572        |
| <b>Total</b> | <b>0.0780</b> | <b>0.0418</b> | <b>0.5722</b> | <b>1.6100e-003</b> | <b>0.1673</b> | <b>1.0200e-003</b> | <b>0.1684</b> | <b>0.0444</b>  | <b>9.4000e-004</b> | <b>0.0453</b> |          | <b>160.4598</b> | <b>160.4598</b> | <b>3.8900e-003</b> |     | <b>160.5572</b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 3.3826        | 0.0000        | 3.3826        | 1.4026         | 0.0000        | 1.4026        |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 4.1912        | 46.3998        | 30.8785        | 0.0620        |               | 1.9853        | 1.9853        |                | 1.8265        | 1.8265        | 0.0000        | 6,007.0434        | 6,007.0434        | 1.9428        |     | 6,055.6134        |
| <b>Total</b>  | <b>4.1912</b> | <b>46.3998</b> | <b>30.8785</b> | <b>0.0620</b> | <b>3.3826</b> | <b>1.9853</b> | <b>5.3679</b> | <b>1.4026</b>  | <b>1.8265</b> | <b>3.2292</b> | <b>0.0000</b> | <b>6,007.0434</b> | <b>6,007.0434</b> | <b>1.9428</b> |     | <b>6,055.6134</b> |

## WRP 4 Capital Improvement Project - Riverside-Salton Sea County, Summer

**3.3 Grading - 2021****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          |
| 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          |
| Worker       | 0.0780        | 0.0418        | 0.5722        | 1.6100e-003        | 0.1092        | 1.0200e-003        | 0.1102        | 0.0301         | 9.4000e-004        | 0.0310        |          | 160.4598        | 160.4598        | 3.8900e-003        |     | 160.5572        |
| <b>Total</b> | <b>0.0780</b> | <b>0.0418</b> | <b>0.5722</b> | <b>1.6100e-003</b> | <b>0.1092</b> | <b>1.0200e-003</b> | <b>0.1102</b> | <b>0.0301</b>  | <b>9.4000e-004</b> | <b>0.0310</b> |          | <b>160.4598</b> | <b>160.4598</b> | <b>3.8900e-003</b> |     | <b>160.5572</b> |

**3.4 Building Construction - 2021****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     | 1.3145        | 11.7562        | 10.2841        | 0.0184        |               | 0.5956        | 0.5956        |                | 0.5673        | 0.5673        |          | 1,730.7271        | 1,730.7271        | 0.3500        |     | 1,739.4760        |
| <b>Total</b> | <b>1.3145</b> | <b>11.7562</b> | <b>10.2841</b> | <b>0.0184</b> |               | <b>0.5956</b> | <b>0.5956</b> |                | <b>0.5673</b> | <b>0.5673</b> |          | <b>1,730.7271</b> | <b>1,730.7271</b> | <b>0.3500</b> |     | <b>1,739.4760</b> |

## WRP 4 Capital Improvement Project - Riverside-Salton Sea County, Summer

**3.4 Building Construction - 2021****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                 |
| Vendor       | 0.1647        | 6.6843        | 1.1775        | 0.0169        | 0.3863        | 0.0109        | 0.3972        | 0.1113         | 0.0104        | 0.1217        |          | 1,782.105<br>3         | 1,782.105<br>3         | 0.1459        |     | 1,785.752<br>3         |
| Worker       | 0.7725        | 0.4139        | 5.6647        | 0.0160        | 1.6566        | 0.0101        | 1.6667        | 0.4394         | 9.2700e-003   | 0.4487        |          | 1,588.552<br>3         | 1,588.552<br>3         | 0.0386        |     | 1,589.516<br>2         |
| <b>Total</b> | <b>0.9372</b> | <b>7.0982</b> | <b>6.8422</b> | <b>0.0329</b> | <b>2.0429</b> | <b>0.0210</b> | <b>2.0639</b> | <b>0.5507</b>  | <b>0.0197</b> | <b>0.5704</b> |          | <b>3,370.657<br/>6</b> | <b>3,370.657<br/>6</b> | <b>0.1844</b> |     | <b>3,375.268<br/>4</b> |

**Mitigated Construction On-Site**

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|-----|------------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day        |                        |                        |               |     |                        |
| Off-Road     | 1.3145        | 11.7562        | 10.2841        | 0.0184        |               | 0.5956        | 0.5956        |                | 0.5673        | 0.5673        | 0.0000        | 1,730.727<br>1         | 1,730.727<br>1         | 0.3500        |     | 1,739.476<br>0         |
| <b>Total</b> | <b>1.3145</b> | <b>11.7562</b> | <b>10.2841</b> | <b>0.0184</b> |               | <b>0.5956</b> | <b>0.5956</b> |                | <b>0.5673</b> | <b>0.5673</b> | <b>0.0000</b> | <b>1,730.727<br/>1</b> | <b>1,730.727<br/>1</b> | <b>0.3500</b> |     | <b>1,739.476<br/>0</b> |

## WRP 4 Capital Improvement Project - Riverside-Salton Sea County, Summer

**3.4 Building Construction - 2021****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                 |
| Vendor       | 0.1647        | 6.6843        | 1.1775        | 0.0169        | 0.2764        | 0.0109        | 0.2873        | 0.0843         | 0.0104        | 0.0947        |          | 1,782.105<br>3         | 1,782.105<br>3         | 0.1459        |     | 1,785.752<br>3         |
| Worker       | 0.7725        | 0.4139        | 5.6647        | 0.0160        | 1.0807        | 0.0101        | 1.0908        | 0.2980         | 9.2700e-003   | 0.3073        |          | 1,588.552<br>3         | 1,588.552<br>3         | 0.0386        |     | 1,589.516<br>2         |
| <b>Total</b> | <b>0.9372</b> | <b>7.0982</b> | <b>6.8422</b> | <b>0.0329</b> | <b>1.3571</b> | <b>0.0210</b> | <b>1.3781</b> | <b>0.3823</b>  | <b>0.0197</b> | <b>0.4020</b> |          | <b>3,370.657<br/>6</b> | <b>3,370.657<br/>6</b> | <b>0.1844</b> |     | <b>3,375.268<br/>4</b> |

**3.5 Paving - 2021****Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |                        |                        |               |     |                        |
| Off-Road     | 0.8173        | 8.3838        | 9.2071        | 0.0140        |               | 0.4565        | 0.4565        |                | 0.4200        | 0.4200        |          | 1,357.694<br>3         | 1,357.694<br>3         | 0.4391        |     | 1,368.672<br>0         |
| Paving       | 0.0000        |               |               |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                        | 0.0000                 |               |     | 0.0000                 |
| <b>Total</b> | <b>0.8173</b> | <b>8.3838</b> | <b>9.2071</b> | <b>0.0140</b> |               | <b>0.4565</b> | <b>0.4565</b> |                | <b>0.4200</b> | <b>0.4200</b> |          | <b>1,357.694<br/>3</b> | <b>1,357.694<br/>3</b> | <b>0.4391</b> |     | <b>1,368.672<br/>0</b> |

## WRP 4 Capital Improvement Project - Riverside-Salton Sea County, Summer

**3.5 Paving - 2021****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          |
| 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          |
| Worker       | 0.0585        | 0.0314        | 0.4291        | 1.2100e-003        | 0.1255        | 7.6000e-004        | 0.1263        | 0.0333         | 7.0000e-004        | 0.0340        |          | 120.3449        | 120.3449        | 2.9200e-003        |     | 120.4179        |
| <b>Total</b> | <b>0.0585</b> | <b>0.0314</b> | <b>0.4291</b> | <b>1.2100e-003</b> | <b>0.1255</b> | <b>7.6000e-004</b> | <b>0.1263</b> | <b>0.0333</b>  | <b>7.0000e-004</b> | <b>0.0340</b> |          | <b>120.3449</b> | <b>120.3449</b> | <b>2.9200e-003</b> |     | <b>120.4179</b> |

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 0.8173        | 8.3838        | 9.2071        | 0.0140        |               | 0.4565        | 0.4565        |                | 0.4200        | 0.4200        | 0.0000        | 1,357.6943        | 1,357.6943        | 0.4391        |     | 1,368.6720        |
| Paving       | 0.0000        |               |               |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>0.8173</b> | <b>8.3838</b> | <b>9.2071</b> | <b>0.0140</b> |               | <b>0.4565</b> | <b>0.4565</b> |                | <b>0.4200</b> | <b>0.4200</b> | <b>0.0000</b> | <b>1,357.6943</b> | <b>1,357.6943</b> | <b>0.4391</b> |     | <b>1,368.6720</b> |

## WRP 4 Capital Improvement Project - Riverside-Salton Sea County, Summer

**3.5 Paving - 2021****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          |
| 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          |
| Worker       | 0.0585        | 0.0314        | 0.4291        | 1.2100e-003        | 0.0819        | 7.6000e-004        | 0.0826        | 0.0226         | 7.0000e-004        | 0.0233        |          | 120.3449        | 120.3449        | 2.9200e-003        |     | 120.4179        |
| <b>Total</b> | <b>0.0585</b> | <b>0.0314</b> | <b>0.4291</b> | <b>1.2100e-003</b> | <b>0.0819</b> | <b>7.6000e-004</b> | <b>0.0826</b> | <b>0.0226</b>  | <b>7.0000e-004</b> | <b>0.0233</b> |          | <b>120.3449</b> | <b>120.3449</b> | <b>2.9200e-003</b> |     | <b>120.4179</b> |

**4.0 Operational Detail - Mobile****4.1 Mitigation Measures Mobile**

## WRP 4 Capital Improvement Project - Riverside-Salton Sea County, Summer

|             | ROG    | NOx    | CO     | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4         | N2O | CO2e    |
|-------------|--------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|---------|
| Category    | lb/day |        |        |             |               |              |            |                |               |             | lb/day   |           |           |             |     |         |
| Mitigated   | 0.0115 | 0.0819 | 0.1312 | 5.7000e-004 | 0.0420        | 3.7000e-004  | 0.0424     | 0.0113         | 3.5000e-004   | 0.0116      |          | 58.1336   | 58.1336   | 2.7900e-003 |     | 58.2032 |
| Unmitigated | 0.0115 | 0.0819 | 0.1312 | 5.7000e-004 | 0.0420        | 3.7000e-004  | 0.0424     | 0.0113         | 3.5000e-004   | 0.0116      |          | 58.1336   | 58.1336   | 2.7900e-003 |     | 58.2032 |

## 4.2 Trip Summary Information

| Land Use                   | Average Daily Trip Rate |          |        | Unmitigated | Mitigated  |
|----------------------------|-------------------------|----------|--------|-------------|------------|
|                            | Weekday                 | Saturday | Sunday | Annual VMT  | Annual VMT |
| General Light Industry     | 6.27                    | 1.19     | 0.61   | 14,886      | 14,886     |
| Other Non-Asphalt Surfaces | 0.00                    | 0.00     | 0.00   |             |            |
| Total                      | 6.27                    | 1.19     | 0.61   | 14,886      | 14,886     |

## 4.3 Trip Type Information

| Land Use                   | Miles      |            |             | Trip %     |            |             | Trip Purpose % |          |         |
|----------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
|                            | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary        | Diverted | Pass-by |
| General Light Industry     | 12.50      | 4.20       | 5.40        | 59.00      | 28.00      | 13.00       | 92             | 5        | 3       |
| Other Non-Asphalt Surfaces | 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       |
|----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| General Light Industry     | 0.545527 | 0.036856 | 0.186032 | 0.115338 | 0.015222 | 0.004970 | 0.017525 | 0.069528 | 0.001397 | 0.001160 | 0.004547 | 0.000932 | 0.000965 |
| Other Non-Asphalt Surfaces | 0.545527 | 0.036856 | 0.186032 | 0.115338 | 0.015222 | 0.004970 | 0.017525 | 0.069528 | 0.001397 | 0.001160 | 0.004547 | 0.000932 | 0.000965 |

## WRP 4 Capital Improvement Project - Riverside-Salton Sea County, Summer

**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   | 8.6000e-004 | 7.8500e-003 | 6.6000e-003 | 5.0000e-005 |               | 6.0000e-004  | 6.0000e-004 |                | 6.0000e-004   | 6.0000e-004 |          | 9.4250    | 9.4250    | 1.8000e-004 | 1.7000e-004 | 9.4810 |
| NaturalGas Unmitigated | 8.6000e-004 | 7.8500e-003 | 6.6000e-003 | 5.0000e-005 |               | 6.0000e-004  | 6.0000e-004 |                | 6.0000e-004   | 6.0000e-004 |          | 9.4250    | 9.4250    | 1.8000e-004 | 1.7000e-004 | 9.4810 |

## WRP 4 Capital Improvement Project - Riverside-Salton Sea County, Summer

**5.2 Energy by Land Use - NaturalGas****Unmitigated**

|                            | NaturalGas Use | ROG                | NOx                | CO                 | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2 | NBio- CO2     | Total CO2     | CH4                | N2O                | CO2e          |
|----------------------------|----------------|--------------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|--------------------|---------------|
| Land Use                   | kBTU/yr        | lb/day             |                    |                    |                    |               |                    |                    |                |                    |                    | lb/day   |               |               |                    |                    |               |
| General Light Industry     | 80.1123        | 8.6000e-004        | 7.8500e-003        | 6.6000e-003        | 5.0000e-005        |               | 6.0000e-004        | 6.0000e-004        |                | 6.0000e-004        | 6.0000e-004        |          | 9.4250        | 9.4250        | 1.8000e-004        | 1.7000e-004        | 9.4810        |
| Other Non-Asphalt Surfaces | 0              | 0.0000             | 0.0000             | 0.0000             | 0.0000             |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          | 0.0000        | 0.0000        | 0.0000             | 0.0000             | 0.0000        |
| <b>Total</b>               |                | <b>8.6000e-004</b> | <b>7.8500e-003</b> | <b>6.6000e-003</b> | <b>5.0000e-005</b> |               | <b>6.0000e-004</b> | <b>6.0000e-004</b> |                | <b>6.0000e-004</b> | <b>6.0000e-004</b> |          | <b>9.4250</b> | <b>9.4250</b> | <b>1.8000e-004</b> | <b>1.7000e-004</b> | <b>9.4810</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   |               |               |                    |                    |               |
| General Light Industry     | 0.0801123      | 8.6000e-004        | 7.8500e-003        | 6.6000e-003        | 5.0000e-005        |               | 6.0000e-004        | 6.0000e-004        |                | 6.0000e-004        | 6.0000e-004        |          | 9.4250        | 9.4250        | 1.8000e-004        | 1.7000e-004        | 9.4810        |
| Other Non-Asphalt Surfaces | 0              | 0.0000             | 0.0000             | 0.0000             | 0.0000             |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          | 0.0000        | 0.0000        | 0.0000             | 0.0000             | 0.0000        |
| <b>Total</b>               |                | <b>8.6000e-004</b> | <b>7.8500e-003</b> | <b>6.6000e-003</b> | <b>5.0000e-005</b> |               | <b>6.0000e-004</b> | <b>6.0000e-004</b> |                | <b>6.0000e-004</b> | <b>6.0000e-004</b> |          | <b>9.4250</b> | <b>9.4250</b> | <b>1.8000e-004</b> | <b>1.7000e-004</b> | <b>9.4810</b> |

**6.0 Area Detail****6.1 Mitigation Measures Area**

## WRP 4 Capital Improvement Project - Riverside-Salton Sea County, Summer

|             | ROG    | NOx         | CO     | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4         | N2O | CO2e   |
|-------------|--------|-------------|--------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|--------|
| Category    | lb/day |             |        |        |               |              |             |                |               |             | lb/day   |           |           |             |     |        |
| Mitigated   | 0.2863 | 4.4000e-004 | 0.0483 | 0.0000 |               | 1.7000e-004  | 1.7000e-004 |                | 1.7000e-004   | 1.7000e-004 |          | 0.1034    | 0.1034    | 2.7000e-004 |     | 0.1102 |
| Unmitigated | 0.2863 | 4.4000e-004 | 0.0483 | 0.0000 |               | 1.7000e-004  | 1.7000e-004 |                | 1.7000e-004   | 1.7000e-004 |          | 0.1034    | 0.1034    | 2.7000e-004 |     | 0.1102 |

## 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 | 0.0955        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Consumer Products     | 0.1863        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Landscaping           | 4.4900e-003   | 4.4000e-004        | 0.0483        | 0.0000        |               | 1.7000e-004        | 1.7000e-004        |                | 1.7000e-004        | 1.7000e-004        |          | 0.1034        | 0.1034        | 2.7000e-004        |     | 0.1102        |
| <b>Total</b>          | <b>0.2863</b> | <b>4.4000e-004</b> | <b>0.0483</b> | <b>0.0000</b> |               | <b>1.7000e-004</b> | <b>1.7000e-004</b> |                | <b>1.7000e-004</b> | <b>1.7000e-004</b> |          | <b>0.1034</b> | <b>0.1034</b> | <b>2.7000e-004</b> |     | <b>0.1102</b> |

## WRP 4 Capital Improvement Project - Riverside-Salton Sea County, Summer

**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 | 0.0955        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Consumer Products     | 0.1863        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Landscaping           | 4.4900e-003   | 4.4000e-004        | 0.0483        | 0.0000        |               | 1.7000e-004        | 1.7000e-004        |                | 1.7000e-004        | 1.7000e-004        |          | 0.1034        | 0.1034        | 2.7000e-004        |     | 0.1102        |
| <b>Total</b>          | <b>0.2863</b> | <b>4.4000e-004</b> | <b>0.0483</b> | <b>0.0000</b> |               | <b>1.7000e-004</b> | <b>1.7000e-004</b> |                | <b>1.7000e-004</b> | <b>1.7000e-004</b> |          | <b>0.1034</b> | <b>0.1034</b> | <b>2.7000e-004</b> |     | <b>0.1102</b> |

**7.0 Water Detail****7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

**10.0 Stationary Equipment****Fire Pumps and Emergency Generators**

## WRP 4 Capital Improvement Project - Riverside-Salton Sea County, Summer

| 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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## WRP 7 Capital Improvement Project - Riverside-Salton Sea County, Summer

## WRP 7 Capital Improvement Project

### Riverside-Salton Sea County, Summer

## 1.0 Project Characteristics

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### 1.1 Land Usage

| Land Uses                  | Size  | Metric   | Lot Acreage | Floor Surface Area | Population |
|----------------------------|-------|----------|-------------|--------------------|------------|
| General Light Industry     | 3.75  | 1000sqft | 0.09        | 3,750.00           | 0          |
| Other Non-Asphalt Surfaces | 10.00 | 1000sqft | 0.23        | 10,000.00          | 0          |

### 1.2 Other Project Characteristics

|                            |                              |                            |       |                            |         |
|----------------------------|------------------------------|----------------------------|-------|----------------------------|---------|
| Urbanization               | Urban                        | Wind Speed (m/s)           | 2.4   | Precipitation Freq (Days)  | 28      |
| Climate Zone               | 10                           |                            |       | Operational Year           | 2022    |
| Utility Company            | Imperial Irrigation District |                            |       |                            |         |
| CO2 Intensity<br>(lb/MWhr) | 1270.90470848                | CH4 Intensity<br>(lb/MWhr) | 0.029 | N2O Intensity<br>(lb/MWhr) | 0.00617 |

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

## WRP 7 Capital Improvement Project - Riverside-Salton Sea County, Summer

Project Characteristics -

Land Use -

Construction Phase -

Off-road Equipment - equipment updated to match the project

Off-road Equipment - equipment updated to match the project

Off-road Equipment - equipment updated to match the project

Off-road Equipment - equipment updated to match the project

Off-road Equipment -

Water And Wastewater - water updated to reflect increased treatment capacity.

Construction Off-road Equipment Mitigation - SCAQMD Rule 403

| Table Name             | Column Name                    | Default Value | New Value        |
|------------------------|--------------------------------|---------------|------------------|
| tblConstDustMitigation | CleanPavedRoadPercentReduction | 0             | 40               |
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed   | 0             | 15               |
| tblOffRoadEquipment    | OffRoadEquipmentUnitAmount     | 4.00          | 1.00             |
| tblOffRoadEquipment    | OffRoadEquipmentUnitAmount     | 2.00          | 1.00             |
| tblOffRoadEquipment    | OffRoadEquipmentUnitAmount     | 2.00          | 1.00             |
| tblOffRoadEquipment    | OffRoadEquipmentUnitAmount     | 2.00          | 1.00             |
| tblOffRoadEquipment    | OffRoadEquipmentUnitAmount     | 2.00          | 1.00             |
| tblTripsAndVMT         | WorkerTripNumber               | 8.00          | 10.00            |
| tblTripsAndVMT         | WorkerTripNumber               | 8.00          | 10.00            |
| tblTripsAndVMT         | WorkerTripNumber               | 10.00         | 18.00            |
| tblWater               | IndoorWaterUseRate             | 867,187.50    | 1,095,000,000.00 |

## 2.0 Emissions Summary

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## WRP 7 Capital Improvement Project - Riverside-Salton Sea County, Summer

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

|         | ROG    | NOx     | CO      | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2  | Total CO2  | CH4    | N2O    | CO2e       |
|---------|--------|---------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|--------|------------|
| Year    | lb/day |         |         |        |               |              |            |                |               |             | lb/day   |            |            |        |        |            |
| 2021    | 1.2135 | 11.2430 | 10.4898 | 0.0185 | 0.8967        | 0.5976       | 1.4943     | 0.4522         | 0.5636        | 1.0158      | 0.0000   | 1,787.7076 | 1,787.7076 | 0.3713 | 0.0000 | 1,796.9909 |
| Maximum | 1.2135 | 11.2430 | 10.4898 | 0.0185 | 0.8967        | 0.5976       | 1.4943     | 0.4522         | 0.5636        | 1.0158      | 0.0000   | 1,787.7076 | 1,787.7076 | 0.3713 | 0.0000 | 1,796.9909 |

**Mitigated Construction**

|         | ROG    | NOx     | CO      | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2  | Total CO2  | CH4    | N2O    | CO2e       |
|---------|--------|---------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|--------|------------|
| Year    | lb/day |         |         |        |               |              |            |                |               |             | lb/day   |            |            |        |        |            |
| 2021    | 1.2135 | 11.2430 | 10.4898 | 0.0185 | 0.8473        | 0.5976       | 1.4449     | 0.4401         | 0.5636        | 1.0037      | 0.0000   | 1,787.7076 | 1,787.7076 | 0.3713 | 0.0000 | 1,796.9909 |
| Maximum | 1.2135 | 11.2430 | 10.4898 | 0.0185 | 0.8473        | 0.5976       | 1.4449     | 0.4401         | 0.5636        | 1.0037      | 0.0000   | 1,787.7076 | 1,787.7076 | 0.3713 | 0.0000 | 1,796.9909 |

|                   | ROG  | NOx  | CO   | SO2  | 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 | 5.51          | 0.00         | 3.31       | 2.68           | 0.00          | 1.19        | 0.00     | 0.00      | 0.00      | 0.00 | 0.00 | 0.00 |

## WRP 7 Capital Improvement Project - Riverside-Salton Sea County, Summer

**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         | 0.1096        | 1.0000e-005   | 1.4100e-003   | 0.0000             |               | 1.0000e-005        | 1.0000e-005   |                | 1.0000e-005        | 1.0000e-005   |          | 3.0100e-003     | 3.0100e-003     | 1.0000e-005   |                    | 3.2100e-003     |
| Energy       | 3.6000e-003   | 0.0327        | 0.0275        | 2.0000e-004        |               | 2.4900e-003        | 2.4900e-003   |                | 2.4900e-003        | 2.4900e-003   |          | 39.2708         | 39.2708         | 7.5000e-004   | 7.2000e-004        | 39.5041         |
| Mobile       | 0.0477        | 0.3414        | 0.5466        | 2.3700e-003        | 0.1751        | 1.5400e-003        | 0.1767        | 0.0469         | 1.4400e-003        | 0.0483        |          | 242.2234        | 242.2234        | 0.0116        |                    | 242.5135        |
| <b>Total</b> | <b>0.1610</b> | <b>0.3741</b> | <b>0.5755</b> | <b>2.5700e-003</b> | <b>0.1751</b> | <b>4.0400e-003</b> | <b>0.1792</b> | <b>0.0469</b>  | <b>3.9400e-003</b> | <b>0.0508</b> |          | <b>281.4971</b> | <b>281.4971</b> | <b>0.0124</b> | <b>7.2000e-004</b> | <b>282.0208</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         | 0.1096        | 1.0000e-005   | 1.4100e-003   | 0.0000             |               | 1.0000e-005        | 1.0000e-005   |                | 1.0000e-005        | 1.0000e-005   |          | 3.0100e-003     | 3.0100e-003     | 1.0000e-005   |                    | 3.2100e-003     |
| Energy       | 3.6000e-003   | 0.0327        | 0.0275        | 2.0000e-004        |               | 2.4900e-003        | 2.4900e-003   |                | 2.4900e-003        | 2.4900e-003   |          | 39.2708         | 39.2708         | 7.5000e-004   | 7.2000e-004        | 39.5041         |
| Mobile       | 0.0477        | 0.3414        | 0.5466        | 2.3700e-003        | 0.1751        | 1.5400e-003        | 0.1767        | 0.0469         | 1.4400e-003        | 0.0483        |          | 242.2234        | 242.2234        | 0.0116        |                    | 242.5135        |
| <b>Total</b> | <b>0.1610</b> | <b>0.3741</b> | <b>0.5755</b> | <b>2.5700e-003</b> | <b>0.1751</b> | <b>4.0400e-003</b> | <b>0.1792</b> | <b>0.0469</b>  | <b>3.9400e-003</b> | <b>0.0508</b> |          | <b>281.4971</b> | <b>281.4971</b> | <b>0.0124</b> | <b>7.2000e-004</b> | <b>282.0208</b> |

## WRP 7 Capital Improvement Project - Riverside-Salton Sea County, Summer

|                   | ROG  | NOx  | CO   | SO2  | 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

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#### Construction Phase

| Phase Number | Phase Name            | Phase Type            | Start Date | End Date  | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|-----------|---------------|----------|-------------------|
| 1            | Demolition            | Demolition            | 4/8/2021   | 4/21/2021 | 5             | 10       |                   |
| 2            | Site Preparation      | Site Preparation      | 4/22/2021  | 4/22/2021 | 5             | 1        |                   |
| 3            | Grading               | Grading               | 4/23/2021  | 4/26/2021 | 5             | 2        |                   |
| 4            | Building Construction | Building Construction | 4/25/2021  | 9/10/2021 | 5             | 100      |                   |
| 5            | Paving                | Paving                | 9/12/2021  | 9/17/2021 | 5             | 5        |                   |

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.23

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

#### OffRoad Equipment

## WRP 7 Capital Improvement Project - Riverside-Salton Sea County, Summer

| Phase Name            | Offroad Equipment Type    | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Demolition            | Concrete/Industrial Saws  | 1      | 8.00        | 81          | 0.73        |
| Demolition            | Rubber Tired Dozers       | 1      | 1.00        | 247         | 0.40        |
| Demolition            | Tractors/Loaders/Backhoes | 1      | 6.00        | 97          | 0.37        |
| Site Preparation      | Graders                   | 1      | 8.00        | 187         | 0.41        |
| Site Preparation      | Tractors/Loaders/Backhoes | 1      | 8.00        | 97          | 0.37        |
| Grading               | Concrete/Industrial Saws  | 1      | 8.00        | 81          | 0.73        |
| Grading               | Rubber Tired Dozers       | 1      | 1.00        | 247         | 0.40        |
| Grading               | Tractors/Loaders/Backhoes | 1      | 6.00        | 97          | 0.37        |
| Building Construction | Cranes                    | 1      | 4.00        | 231         | 0.29        |
| Building Construction | Forklifts                 | 1      | 6.00        | 89          | 0.20        |
| Building Construction | Tractors/Loaders/Backhoes | 1      | 8.00        | 97          | 0.37        |
| Paving                | Cement and Mortar Mixers  | 1      | 6.00        | 9           | 0.56        |
| Paving                | Pavers                    | 1      | 7.00        | 130         | 0.42        |
| Paving                | Rollers                   | 1      | 7.00        | 80          | 0.38        |
| Paving                | Tractors/Loaders/Backhoes | 1      | 7.00        | 97          | 0.37        |

Trips and VMT

| Phase Name            | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Demolition            | 3                       | 10.00              | 0.00               | 0.00                | 11.00              | 5.40               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Site Preparation      | 2                       | 5.00               | 0.00               | 0.00                | 11.00              | 5.40               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Grading               | 3                       | 10.00              | 0.00               | 0.00                | 11.00              | 5.40               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Building Construction | 3                       | 6.00               | 2.00               | 0.00                | 11.00              | 5.40               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Paving                | 4                       | 18.00              | 0.00               | 0.00                | 11.00              | 5.40               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |

**3.1 Mitigation Measures Construction**

## WRP 7 Capital Improvement Project - Riverside-Salton Sea County, Summer

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

**3.2 Demolition - 2021****Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |               |               |                |               |               | lb/day   |                 |                 |               |     |                 |
| Off-Road     | 0.6561        | 5.8312        | 5.8740        | 9.6500e-003        |               | 0.3235        | 0.3235        |                | 0.3115        | 0.3115        |          | 921.7587        | 921.7587        | 0.1409        |     | 925.2800        |
| <b>Total</b> | <b>0.6561</b> | <b>5.8312</b> | <b>5.8740</b> | <b>9.6500e-003</b> |               | <b>0.3235</b> | <b>0.3235</b> |                | <b>0.3115</b> | <b>0.3115</b> |          | <b>921.7587</b> | <b>921.7587</b> | <b>0.1409</b> |     | <b>925.2800</b> |

## WRP 7 Capital Improvement Project - Riverside-Salton Sea County, Summer

**3.2 Demolition - 2021****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         |
| 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         |
| Worker       | 0.0390        | 0.0209        | 0.2861        | 8.1000e-004        | 0.0837        | 5.1000e-004        | 0.0842        | 0.0222         | 4.7000e-004        | 0.0227        |          | 80.2299        | 80.2299        | 1.9500e-003        |     | 80.2786        |
| <b>Total</b> | <b>0.0390</b> | <b>0.0209</b> | <b>0.2861</b> | <b>8.1000e-004</b> | <b>0.0837</b> | <b>5.1000e-004</b> | <b>0.0842</b> | <b>0.0222</b>  | <b>4.7000e-004</b> | <b>0.0227</b> |          | <b>80.2299</b> | <b>80.2299</b> | <b>1.9500e-003</b> |     | <b>80.2786</b> |

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |               |               |                |               |               | lb/day        |                 |                 |               |     |                 |
| Off-Road     | 0.6561        | 5.8312        | 5.8740        | 9.6500e-003        |               | 0.3235        | 0.3235        |                | 0.3115        | 0.3115        | 0.0000        | 921.7587        | 921.7587        | 0.1409        |     | 925.2800        |
| <b>Total</b> | <b>0.6561</b> | <b>5.8312</b> | <b>5.8740</b> | <b>9.6500e-003</b> |               | <b>0.3235</b> | <b>0.3235</b> |                | <b>0.3115</b> | <b>0.3115</b> | <b>0.0000</b> | <b>921.7587</b> | <b>921.7587</b> | <b>0.1409</b> |     | <b>925.2800</b> |

## WRP 7 Capital Improvement Project - Riverside-Salton Sea County, Summer

**3.2 Demolition - 2021****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         |
| 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         |
| Worker       | 0.0390        | 0.0209        | 0.2861        | 8.1000e-004        | 0.0546        | 5.1000e-004        | 0.0551        | 0.0151         | 4.7000e-004        | 0.0155        |          | 80.2299        | 80.2299        | 1.9500e-003        |     | 80.2786        |
| <b>Total</b> | <b>0.0390</b> | <b>0.0209</b> | <b>0.2861</b> | <b>8.1000e-004</b> | <b>0.0546</b> | <b>5.1000e-004</b> | <b>0.0551</b> | <b>0.0151</b>  | <b>4.7000e-004</b> | <b>0.0155</b> |          | <b>80.2299</b> | <b>80.2299</b> | <b>1.9500e-003</b> |     | <b>80.2786</b> |

**3.3 Site Preparation - 2021****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 |               |               |               |                    | 0.5303        | 0.0000        | 0.5303        | 0.0573         | 0.0000        | 0.0573        |          |                 | 0.0000          |               |     | 0.0000          |
| Off-Road      | 0.6403        | 7.8204        | 4.0274        | 9.7300e-003        |               | 0.2995        | 0.2995        |                | 0.2755        | 0.2755        |          | 942.5842        | 942.5842        | 0.3049        |     | 950.2055        |
| <b>Total</b>  | <b>0.6403</b> | <b>7.8204</b> | <b>4.0274</b> | <b>9.7300e-003</b> | <b>0.5303</b> | <b>0.2995</b> | <b>0.8297</b> | <b>0.0573</b>  | <b>0.2755</b> | <b>0.3328</b> |          | <b>942.5842</b> | <b>942.5842</b> | <b>0.3049</b> |     | <b>950.2055</b> |

## WRP 7 Capital Improvement Project - Riverside-Salton Sea County, Summer

**3.3 Site Preparation - 2021****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         |
| 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         |
| Worker       | 0.0195        | 0.0105        | 0.1431        | 4.0000e-004        | 0.0418        | 2.5000e-004        | 0.0421        | 0.0111         | 2.3000e-004        | 0.0113        |          | 40.1150        | 40.1150        | 9.7000e-004        |     | 40.1393        |
| <b>Total</b> | <b>0.0195</b> | <b>0.0105</b> | <b>0.1431</b> | <b>4.0000e-004</b> | <b>0.0418</b> | <b>2.5000e-004</b> | <b>0.0421</b> | <b>0.0111</b>  | <b>2.3000e-004</b> | <b>0.0113</b> |          | <b>40.1150</b> | <b>40.1150</b> | <b>9.7000e-004</b> |     | <b>40.1393</b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| Category      | lb/day        |               |               |                    |               |               |               |                |               |               | lb/day        |                 |                 |               |     |                 |
| Fugitive Dust |               |               |               |                    | 0.5303        | 0.0000        | 0.5303        | 0.0573         | 0.0000        | 0.0573        |               |                 | 0.0000          |               |     | 0.0000          |
| Off-Road      | 0.6403        | 7.8204        | 4.0274        | 9.7300e-003        |               | 0.2995        | 0.2995        |                | 0.2755        | 0.2755        | 0.0000        | 942.5842        | 942.5842        | 0.3049        |     | 950.2055        |
| <b>Total</b>  | <b>0.6403</b> | <b>7.8204</b> | <b>4.0274</b> | <b>9.7300e-003</b> | <b>0.5303</b> | <b>0.2995</b> | <b>0.8297</b> | <b>0.0573</b>  | <b>0.2755</b> | <b>0.3328</b> | <b>0.0000</b> | <b>942.5842</b> | <b>942.5842</b> | <b>0.3049</b> |     | <b>950.2055</b> |

## WRP 7 Capital Improvement Project - Riverside-Salton Sea County, Summer

**3.3 Site Preparation - 2021****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         |
| 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         |
| Worker       | 0.0195        | 0.0105        | 0.1431        | 4.0000e-004        | 0.0273        | 2.5000e-004        | 0.0275        | 7.5300e-003        | 2.3000e-004        | 7.7600e-003        |          | 40.1150        | 40.1150        | 9.7000e-004        |     | 40.1393        |
| <b>Total</b> | <b>0.0195</b> | <b>0.0105</b> | <b>0.1431</b> | <b>4.0000e-004</b> | <b>0.0273</b> | <b>2.5000e-004</b> | <b>0.0275</b> | <b>7.5300e-003</b> | <b>2.3000e-004</b> | <b>7.7600e-003</b> |          | <b>40.1150</b> | <b>40.1150</b> | <b>9.7000e-004</b> |     | <b>40.1393</b> |

**3.4 Grading - 2021****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 |               |               |               |                    | 0.7528        | 0.0000        | 0.7528        | 0.4138         | 0.0000        | 0.4138        |          |                 | 0.0000          |               |     | 0.0000          |
| Off-Road      | 0.6561        | 5.8312        | 5.8740        | 9.6500e-003        |               | 0.3235        | 0.3235        |                | 0.3115        | 0.3115        |          | 921.7587        | 921.7587        | 0.1409        |     | 925.2800        |
| <b>Total</b>  | <b>0.6561</b> | <b>5.8312</b> | <b>5.8740</b> | <b>9.6500e-003</b> | <b>0.7528</b> | <b>0.3235</b> | <b>1.0763</b> | <b>0.4138</b>  | <b>0.3115</b> | <b>0.7253</b> |          | <b>921.7587</b> | <b>921.7587</b> | <b>0.1409</b> |     | <b>925.2800</b> |

## WRP 7 Capital Improvement Project - Riverside-Salton Sea County, Summer

**3.4 Grading - 2021****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         |
| 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         |
| Worker       | 0.0390        | 0.0209        | 0.2861        | 8.1000e-004        | 0.0837        | 5.1000e-004        | 0.0842        | 0.0222         | 4.7000e-004        | 0.0227        |          | 80.2299        | 80.2299        | 1.9500e-003        |     | 80.2786        |
| <b>Total</b> | <b>0.0390</b> | <b>0.0209</b> | <b>0.2861</b> | <b>8.1000e-004</b> | <b>0.0837</b> | <b>5.1000e-004</b> | <b>0.0842</b> | <b>0.0222</b>  | <b>4.7000e-004</b> | <b>0.0227</b> |          | <b>80.2299</b> | <b>80.2299</b> | <b>1.9500e-003</b> |     | <b>80.2786</b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| Category      | lb/day        |               |               |                    |               |               |               |                |               |               | lb/day        |                 |                 |               |     |                 |
| Fugitive Dust |               |               |               |                    | 0.7528        | 0.0000        | 0.7528        | 0.4138         | 0.0000        | 0.4138        |               |                 | 0.0000          |               |     | 0.0000          |
| Off-Road      | 0.6561        | 5.8312        | 5.8740        | 9.6500e-003        |               | 0.3235        | 0.3235        |                | 0.3115        | 0.3115        | 0.0000        | 921.7587        | 921.7587        | 0.1409        |     | 925.2800        |
| <b>Total</b>  | <b>0.6561</b> | <b>5.8312</b> | <b>5.8740</b> | <b>9.6500e-003</b> | <b>0.7528</b> | <b>0.3235</b> | <b>1.0763</b> | <b>0.4138</b>  | <b>0.3115</b> | <b>0.7253</b> | <b>0.0000</b> | <b>921.7587</b> | <b>921.7587</b> | <b>0.1409</b> |     | <b>925.2800</b> |

## WRP 7 Capital Improvement Project - Riverside-Salton Sea County, Summer

**3.4 Grading - 2021****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         |
| 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         |
| Worker       | 0.0390        | 0.0209        | 0.2861        | 8.1000e-004        | 0.0546        | 5.1000e-004        | 0.0551        | 0.0151         | 4.7000e-004        | 0.0155        |          | 80.2299        | 80.2299        | 1.9500e-003        |     | 80.2786        |
| <b>Total</b> | <b>0.0390</b> | <b>0.0209</b> | <b>0.2861</b> | <b>8.1000e-004</b> | <b>0.0546</b> | <b>5.1000e-004</b> | <b>0.0551</b> | <b>0.0151</b>  | <b>4.7000e-004</b> | <b>0.0155</b> |          | <b>80.2299</b> | <b>80.2299</b> | <b>1.9500e-003</b> |     | <b>80.2786</b> |

**3.5 Building Construction - 2021****Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |               |               |                |               |               | lb/day   |                 |                 |               |     |                 |
| Off-Road     | 0.4907        | 5.2048        | 4.1276        | 7.1400e-003        |               | 0.2730        | 0.2730        |                | 0.2512        | 0.2512        |          | 691.2926        | 691.2926        | 0.2236        |     | 696.8820        |
| <b>Total</b> | <b>0.4907</b> | <b>5.2048</b> | <b>4.1276</b> | <b>7.1400e-003</b> |               | <b>0.2730</b> | <b>0.2730</b> |                | <b>0.2512</b> | <b>0.2512</b> |          | <b>691.2926</b> | <b>691.2926</b> | <b>0.2236</b> |     | <b>696.8820</b> |

## WRP 7 Capital Improvement Project - Riverside-Salton Sea County, Summer

**3.5 Building Construction - 2021****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         |
| Vendor       | 4.2800e-003   | 0.1736        | 0.0306        | 4.4000e-004        | 0.0100        | 2.8000e-004        | 0.0103        | 2.8900e-003    | 2.7000e-004        | 3.1600e-003   |          | 46.2885        | 46.2885        | 3.7900e-003        |     | 46.3832        |
| Worker       | 0.0234        | 0.0125        | 0.1717        | 4.8000e-004        | 0.0502        | 3.1000e-004        | 0.0505        | 0.0133         | 2.8000e-004        | 0.0136        |          | 48.1380        | 48.1380        | 1.1700e-003        |     | 48.1672        |
| <b>Total</b> | <b>0.0277</b> | <b>0.1862</b> | <b>0.2022</b> | <b>9.2000e-004</b> | <b>0.0602</b> | <b>5.9000e-004</b> | <b>0.0608</b> | <b>0.0162</b>  | <b>5.5000e-004</b> | <b>0.0168</b> |          | <b>94.4264</b> | <b>94.4264</b> | <b>4.9600e-003</b> |     | <b>94.5503</b> |

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |               |               |                |               |               | lb/day        |                 |                 |               |     |                 |
| Off-Road     | 0.4907        | 5.2048        | 4.1276        | 7.1400e-003        |               | 0.2730        | 0.2730        |                | 0.2512        | 0.2512        | 0.0000        | 691.2926        | 691.2926        | 0.2236        |     | 696.8820        |
| <b>Total</b> | <b>0.4907</b> | <b>5.2048</b> | <b>4.1276</b> | <b>7.1400e-003</b> |               | <b>0.2730</b> | <b>0.2730</b> |                | <b>0.2512</b> | <b>0.2512</b> | <b>0.0000</b> | <b>691.2926</b> | <b>691.2926</b> | <b>0.2236</b> |     | <b>696.8820</b> |

## WRP 7 Capital Improvement Project - Riverside-Salton Sea County, Summer

**3.5 Building Construction - 2021****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         |
| Vendor       | 4.2800e-003   | 0.1736        | 0.0306        | 4.4000e-004        | 7.1800e-003   | 2.8000e-004        | 7.4600e-003   | 2.1900e-003    | 2.7000e-004        | 2.4600e-003   |          | 46.2885        | 46.2885        | 3.7900e-003        |     | 46.3832        |
| Worker       | 0.0234        | 0.0125        | 0.1717        | 4.8000e-004        | 0.0328        | 3.1000e-004        | 0.0331        | 9.0300e-003    | 2.8000e-004        | 9.3100e-003   |          | 48.1380        | 48.1380        | 1.1700e-003        |     | 48.1672        |
| <b>Total</b> | <b>0.0277</b> | <b>0.1862</b> | <b>0.2022</b> | <b>9.2000e-004</b> | <b>0.0399</b> | <b>5.9000e-004</b> | <b>0.0405</b> | <b>0.0112</b>  | <b>5.5000e-004</b> | <b>0.0118</b> |          | <b>94.4264</b> | <b>94.4264</b> | <b>4.9600e-003</b> |     | <b>94.5503</b> |

**3.6 Paving - 2021****Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |               |               |                |               |               | lb/day   |                 |                 |               |     |                 |
| Off-Road     | 0.5892        | 5.8893        | 6.3961        | 9.6600e-003        |               | 0.3212        | 0.3212        |                | 0.2964        | 0.2964        |          | 921.6808        | 921.6808        | 0.2898        |     | 928.9251        |
| Paving       | 0.0000        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                 | 0.0000          |               |     | 0.0000          |
| <b>Total</b> | <b>0.5892</b> | <b>5.8893</b> | <b>6.3961</b> | <b>9.6600e-003</b> |               | <b>0.3212</b> | <b>0.3212</b> |                | <b>0.2964</b> | <b>0.2964</b> |          | <b>921.6808</b> | <b>921.6808</b> | <b>0.2898</b> |     | <b>928.9251</b> |

## WRP 7 Capital Improvement Project - Riverside-Salton Sea County, Summer

**3.6 Paving - 2021****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          |
| 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          |
| Worker       | 0.0702        | 0.0376        | 0.5150        | 1.4500e-003        | 0.1506        | 9.2000e-004        | 0.1515        | 0.0400         | 8.4000e-004        | 0.0408        |          | 144.4138        | 144.4138        | 3.5100e-003        |     | 144.5015        |
| <b>Total</b> | <b>0.0702</b> | <b>0.0376</b> | <b>0.5150</b> | <b>1.4500e-003</b> | <b>0.1506</b> | <b>9.2000e-004</b> | <b>0.1515</b> | <b>0.0400</b>  | <b>8.4000e-004</b> | <b>0.0408</b> |          | <b>144.4138</b> | <b>144.4138</b> | <b>3.5100e-003</b> |     | <b>144.5015</b> |

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |               |               |                |               |               | lb/day        |                 |                 |               |     |                 |
| Off-Road     | 0.5892        | 5.8893        | 6.3961        | 9.6600e-003        |               | 0.3212        | 0.3212        |                | 0.2964        | 0.2964        | 0.0000        | 921.6808        | 921.6808        | 0.2898        |     | 928.9251        |
| Paving       | 0.0000        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                 | 0.0000          |               |     | 0.0000          |
| <b>Total</b> | <b>0.5892</b> | <b>5.8893</b> | <b>6.3961</b> | <b>9.6600e-003</b> |               | <b>0.3212</b> | <b>0.3212</b> |                | <b>0.2964</b> | <b>0.2964</b> | <b>0.0000</b> | <b>921.6808</b> | <b>921.6808</b> | <b>0.2898</b> |     | <b>928.9251</b> |

## WRP 7 Capital Improvement Project - Riverside-Salton Sea County, Summer

**3.6 Paving - 2021****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          |
| 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          |
| Worker       | 0.0702        | 0.0376        | 0.5150        | 1.4500e-003        | 0.0983        | 9.2000e-004        | 0.0992        | 0.0271         | 8.4000e-004        | 0.0279        |          | 144.4138        | 144.4138        | 3.5100e-003        |     | 144.5015        |
| <b>Total</b> | <b>0.0702</b> | <b>0.0376</b> | <b>0.5150</b> | <b>1.4500e-003</b> | <b>0.0983</b> | <b>9.2000e-004</b> | <b>0.0992</b> | <b>0.0271</b>  | <b>8.4000e-004</b> | <b>0.0279</b> |          | <b>144.4138</b> | <b>144.4138</b> | <b>3.5100e-003</b> |     | <b>144.5015</b> |

**4.0 Operational Detail - Mobile****4.1 Mitigation Measures Mobile**

## WRP 7 Capital Improvement Project - Riverside-Salton Sea County, Summer

|             | ROG    | NOx    | CO     | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4    | N2O | CO2e     |
|-------------|--------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|-----|----------|
| Category    | lb/day |        |        |             |               |              |            |                |               |             | lb/day   |           |           |        |     |          |
| Mitigated   | 0.0477 | 0.3414 | 0.5466 | 2.3700e-003 | 0.1751        | 1.5400e-003  | 0.1767     | 0.0469         | 1.4400e-003   | 0.0483      |          | 242.2234  | 242.2234  | 0.0116 |     | 242.5135 |
| Unmitigated | 0.0477 | 0.3414 | 0.5466 | 2.3700e-003 | 0.1751        | 1.5400e-003  | 0.1767     | 0.0469         | 1.4400e-003   | 0.0483      |          | 242.2234  | 242.2234  | 0.0116 |     | 242.5135 |

## 4.2 Trip Summary Information

| Land Use                   | Average Daily Trip Rate |          |        | Unmitigated | Mitigated  |
|----------------------------|-------------------------|----------|--------|-------------|------------|
|                            | Weekday                 | Saturday | Sunday | Annual VMT  | Annual VMT |
| General Light Industry     | 26.14                   | 4.95     | 2.55   | 62,023      | 62,023     |
| Other Non-Asphalt Surfaces | 0.00                    | 0.00     | 0.00   |             |            |
| Total                      | 26.14                   | 4.95     | 2.55   | 62,023      | 62,023     |

## 4.3 Trip Type Information

| Land Use                   | Miles      |            |             | Trip %     |            |             | Trip Purpose % |          |         |
|----------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
|                            | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary        | Diverted | Pass-by |
| General Light Industry     | 12.50      | 4.20       | 5.40        | 59.00      | 28.00      | 13.00       | 92             | 5        | 3       |
| Other Non-Asphalt Surfaces | 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       |
|----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| General Light Industry     | 0.545527 | 0.036856 | 0.186032 | 0.115338 | 0.015222 | 0.004970 | 0.017525 | 0.069528 | 0.001397 | 0.001160 | 0.004547 | 0.000932 | 0.000965 |
| Other Non-Asphalt Surfaces | 0.545527 | 0.036856 | 0.186032 | 0.115338 | 0.015222 | 0.004970 | 0.017525 | 0.069528 | 0.001397 | 0.001160 | 0.004547 | 0.000932 | 0.000965 |

## WRP 7 Capital Improvement Project - Riverside-Salton Sea County, Summer

**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   | 3.6000e-003 | 0.0327 | 0.0275 | 2.0000e-004 |               | 2.4900e-003  | 2.4900e-003 |                | 2.4900e-003   | 2.4900e-003 |          | 39.2708   | 39.2708   | 7.5000e-004 | 7.2000e-004 | 39.5041 |
| NaturalGas Unmitigated | 3.6000e-003 | 0.0327 | 0.0275 | 2.0000e-004 |               | 2.4900e-003  | 2.4900e-003 |                | 2.4900e-003   | 2.4900e-003 |          | 39.2708   | 39.2708   | 7.5000e-004 | 7.2000e-004 | 39.5041 |

## WRP 7 Capital Improvement Project - Riverside-Salton Sea County, Summer

**5.2 Energy by Land Use - NaturalGas****Unmitigated**

|                            | NaturalGas Use | ROG                | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2 | NBio- CO2      | Total CO2      | CH4                | N2O                | CO2e           |
|----------------------------|----------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|----------------|----------------|--------------------|--------------------|----------------|
| Land Use                   | kBTU/yr        | lb/day             |               |               |                    |               |                    |                    |                |                    |                    | lb/day   |                |                |                    |                    |                |
| General Light Industry     | 333.801        | 3.6000e-003        | 0.0327        | 0.0275        | 2.0000e-004        |               | 2.4900e-003        | 2.4900e-003        |                | 2.4900e-003        | 2.4900e-003        |          | 39.2708        | 39.2708        | 7.5000e-004        | 7.2000e-004        | 39.5041        |
| Other Non-Asphalt Surfaces | 0              | 0.0000             | 0.0000        | 0.0000        | 0.0000             |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          | 0.0000         | 0.0000         | 0.0000             | 0.0000             | 0.0000         |
| <b>Total</b>               |                | <b>3.6000e-003</b> | <b>0.0327</b> | <b>0.0275</b> | <b>2.0000e-004</b> |               | <b>2.4900e-003</b> | <b>2.4900e-003</b> |                | <b>2.4900e-003</b> | <b>2.4900e-003</b> |          | <b>39.2708</b> | <b>39.2708</b> | <b>7.5000e-004</b> | <b>7.2000e-004</b> | <b>39.5041</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   |                |                |                    |                    |                |
| General Light Industry     | 0.333801       | 3.6000e-003        | 0.0327        | 0.0275        | 2.0000e-004        |               | 2.4900e-003        | 2.4900e-003        |                | 2.4900e-003        | 2.4900e-003        |          | 39.2708        | 39.2708        | 7.5000e-004        | 7.2000e-004        | 39.5041        |
| Other Non-Asphalt Surfaces | 0              | 0.0000             | 0.0000        | 0.0000        | 0.0000             |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          | 0.0000         | 0.0000         | 0.0000             | 0.0000             | 0.0000         |
| <b>Total</b>               |                | <b>3.6000e-003</b> | <b>0.0327</b> | <b>0.0275</b> | <b>2.0000e-004</b> |               | <b>2.4900e-003</b> | <b>2.4900e-003</b> |                | <b>2.4900e-003</b> | <b>2.4900e-003</b> |          | <b>39.2708</b> | <b>39.2708</b> | <b>7.5000e-004</b> | <b>7.2000e-004</b> | <b>39.5041</b> |

**6.0 Area Detail****6.1 Mitigation Measures Area**

## WRP 7 Capital Improvement Project - Riverside-Salton Sea County, Summer

|             | ROG    | NOx         | CO          | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2   | Total CO2   | CH4         | N2O | CO2e        |
|-------------|--------|-------------|-------------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-------------|-------------|-------------|-----|-------------|
| Category    | lb/day |             |             |        |               |              |             |                |               |             | lb/day   |             |             |             |     |             |
| Mitigated   | 0.1096 | 1.0000e-005 | 1.4100e-003 | 0.0000 |               | 1.0000e-005  | 1.0000e-005 |                | 1.0000e-005   | 1.0000e-005 |          | 3.0100e-003 | 3.0100e-003 | 1.0000e-005 |     | 3.2100e-003 |
| Unmitigated | 0.1096 | 1.0000e-005 | 1.4100e-003 | 0.0000 |               | 1.0000e-005  | 1.0000e-005 |                | 1.0000e-005   | 1.0000e-005 |          | 3.0100e-003 | 3.0100e-003 | 1.0000e-005 |     | 3.2100e-003 |

## 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 | 0.0257        |                    |                    |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |                    | 0.0000             |                    |     | 0.0000             |
| Consumer Products     | 0.0838        |                    |                    |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |                    | 0.0000             |                    |     | 0.0000             |
| Landscaping           | 1.3000e-004   | 1.0000e-005        | 1.4100e-003        | 0.0000        |               | 1.0000e-005        | 1.0000e-005        |                | 1.0000e-005        | 1.0000e-005        |          | 3.0100e-003        | 3.0100e-003        | 1.0000e-005        |     | 3.2100e-003        |
| <b>Total</b>          | <b>0.1096</b> | <b>1.0000e-005</b> | <b>1.4100e-003</b> | <b>0.0000</b> |               | <b>1.0000e-005</b> | <b>1.0000e-005</b> |                | <b>1.0000e-005</b> | <b>1.0000e-005</b> |          | <b>3.0100e-003</b> | <b>3.0100e-003</b> | <b>1.0000e-005</b> |     | <b>3.2100e-003</b> |

## WRP 7 Capital Improvement Project - Riverside-Salton Sea County, Summer

**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 | 0.0257        |                    |                    |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |                    | 0.0000             |                    |     | 0.0000             |
| Consumer Products     | 0.0838        |                    |                    |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |                    | 0.0000             |                    |     | 0.0000             |
| Landscaping           | 1.3000e-004   | 1.0000e-005        | 1.4100e-003        | 0.0000        |               | 1.0000e-005        | 1.0000e-005        |                | 1.0000e-005        | 1.0000e-005        |          | 3.0100e-003        | 3.0100e-003        | 1.0000e-005        |     | 3.2100e-003        |
| <b>Total</b>          | <b>0.1096</b> | <b>1.0000e-005</b> | <b>1.4100e-003</b> | <b>0.0000</b> |               | <b>1.0000e-005</b> | <b>1.0000e-005</b> |                | <b>1.0000e-005</b> | <b>1.0000e-005</b> |          | <b>3.0100e-003</b> | <b>3.0100e-003</b> | <b>1.0000e-005</b> |     | <b>3.2100e-003</b> |

**7.0 Water Detail****7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

**10.0 Stationary Equipment****Fire Pumps and Emergency Generators**

## WRP 7 Capital Improvement Project - Riverside-Salton Sea County, Summer

| 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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## WRP 10 Capital Improvement Project - Riverside-Salton Sea County, Summer

## WRP 10 Capital Improvement Project

### Riverside-Salton Sea County, Summer

## 1.0 Project Characteristics

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### 1.1 Land Usage

| Land Uses                  | Size  | Metric   | Lot Acreage | Floor Surface Area | Population |
|----------------------------|-------|----------|-------------|--------------------|------------|
| Other Non-Asphalt Surfaces | 17.46 | 1000sqft | 0.40        | 17,465.00          | 0          |

### 1.2 Other Project Characteristics

|                                |                            |                                |       |                                  |       |
|--------------------------------|----------------------------|--------------------------------|-------|----------------------------------|-------|
| <b>Urbanization</b>            | Urban                      | <b>Wind Speed (m/s)</b>        | 2.4   | <b>Precipitation Freq (Days)</b> | 28    |
| <b>Climate Zone</b>            | 10                         |                                |       | <b>Operational Year</b>          | 2022  |
| <b>Utility Company</b>         | Southern California Edison |                                |       |                                  |       |
| <b>CO2 Intensity (lb/MWhr)</b> | 702.44                     | <b>CH4 Intensity (lb/MWhr)</b> | 0.029 | <b>N2O Intensity (lb/MWhr)</b>   | 0.006 |

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

Project Characteristics -

Land Use - Land use used to account for on site improvements.

Construction Phase -

Off-road Equipment - Equipment updated to match the project

Off-road Equipment - Equipment updated to match the Project

Off-road Equipment - Equipment updated to match the Project

Water And Wastewater - Water use updated to match new pump station

Construction Off-road Equipment Mitigation -

## WRP 10 Capital Improvement Project - Riverside-Salton Sea County, Summer

| Table Name             | Column Name                     | Default Value | New Value |
|------------------------|---------------------------------|---------------|-----------|
| tblAreaCoating         | Area_EF_Nonresidential_Exterior | 250           | 100       |
| tblAreaCoating         | Area_EF_Nonresidential_Interior | 250           | 100       |
| tblAreaCoating         | Area_EF_Parking                 | 250           | 100       |
| tblAreaCoating         | Area_EF_Residential_Exterior    | 250           | 50        |
| tblAreaCoating         | Area_EF_Residential_Interior    | 250           | 50        |
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed    | 0             | 15        |
| tblConsumerProducts    | ROG_EF                          | 2.14E-05      | 1.98E-05  |
| tblGrading             | AcresOfGrading                  | 1.50          | 0.00      |
| tblLandscapeEquipment  | NumberSummerDays                | 180           | 250       |
| tblLandUse             | LandUseSquareFeet               | 17,460.00     | 17,465.00 |
| tblOffRoadEquipment    | HorsePower                      | 187.00        | 97.00     |
| tblOffRoadEquipment    | LoadFactor                      | 0.41          | 0.37      |
| tblOffRoadEquipment    | OffRoadEquipmentUnitAmount      | 4.00          | 1.00      |
| tblOffRoadEquipment    | OffRoadEquipmentUnitAmount      | 2.00          | 1.00      |
| tblOffRoadEquipment    | OffRoadEquipmentUnitAmount      | 2.00          | 1.00      |
| tblTripsAndVMT         | VendorTripLength                | 5.40          | 6.90      |
| tblTripsAndVMT         | VendorTripLength                | 5.40          | 6.90      |
| tblTripsAndVMT         | VendorTripLength                | 5.40          | 6.90      |
| tblTripsAndVMT         | VendorTripLength                | 5.40          | 6.90      |
| tblTripsAndVMT         | WorkerTripLength                | 11.00         | 14.70     |
| tblTripsAndVMT         | WorkerTripLength                | 11.00         | 14.70     |
| tblTripsAndVMT         | WorkerTripLength                | 11.00         | 14.70     |
| tblTripsAndVMT         | WorkerTripLength                | 11.00         | 14.70     |
| tblTripsAndVMT         | WorkerTripNumber                | 15.00         | 5.00      |
| tblTripsAndVMT         | WorkerTripNumber                | 10.00         | 5.00      |
| tblVehicleTrips        | CC_TL                           | 4.20          | 8.40      |

## WRP 10 Capital Improvement Project - Riverside-Salton Sea County, Summer

|                 |                    |       |               |
|-----------------|--------------------|-------|---------------|
| tblVehicleTrips | CNW_TL             | 5.40  | 6.90          |
| tblVehicleTrips | CW_TL              | 12.50 | 16.60         |
| tblWater        | IndoorWaterUseRate | 0.00  | 21,000,000.00 |

## 2.0 Emissions Summary

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## WRP 10 Capital Improvement Project - Riverside-Salton Sea County, Summer

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

|         | ROG    | NOx     | CO      | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2      | Total CO2      | CH4    | N2O    | CO2e           |
|---------|--------|---------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------------|----------------|--------|--------|----------------|
| Year    | lb/day |         |         |        |               |              |            |                |               |             | lb/day   |                |                |        |        |                |
| 2021    | 1.6756 | 14.0319 | 11.9809 | 0.0189 | 0.8087        | 0.9487       | 1.7574     | 0.4286         | 0.8867        | 1.3153      | 0.0000   | 1,822.718<br>8 | 1,822.718<br>8 | 0.5223 | 0.0000 | 1,835.775<br>3 |
| Maximum | 1.6756 | 14.0319 | 11.9809 | 0.0189 | 0.8087        | 0.9487       | 1.7574     | 0.4286         | 0.8867        | 1.3153      | 0.0000   | 1,822.718<br>8 | 1,822.718<br>8 | 0.5223 | 0.0000 | 1,835.775<br>3 |

**Mitigated Construction**

|         | ROG    | NOx     | CO      | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2      | Total CO2      | CH4    | N2O    | CO2e           |
|---------|--------|---------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------------|----------------|--------|--------|----------------|
| Year    | lb/day |         |         |        |               |              |            |                |               |             | lb/day   |                |                |        |        |                |
| 2021    | 1.6756 | 14.0319 | 11.9809 | 0.0189 | 0.3495        | 0.9487       | 1.2982     | 0.1762         | 0.8867        | 1.0629      | 0.0000   | 1,822.718<br>8 | 1,822.718<br>8 | 0.5223 | 0.0000 | 1,835.775<br>3 |
| Maximum | 1.6756 | 14.0319 | 11.9809 | 0.0189 | 0.3495        | 0.9487       | 1.2982     | 0.1762         | 0.8867        | 1.0629      | 0.0000   | 1,822.718<br>8 | 1,822.718<br>8 | 0.5223 | 0.0000 | 1,835.775<br>3 |

|                   | ROG  | NOx  | CO   | SO2  | 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 | 56.78         | 0.00         | 26.13      | 58.89          | 0.00          | 19.19       | 0.00     | 0.00     | 0.00      | 0.00 | 0.00 | 0.00 |

## WRP 10 Capital Improvement Project - Riverside-Salton Sea County, Summer

**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         | 7.6800e-003        | 2.0000e-005        | 1.7900e-003        | 0.0000        |               | 1.0000e-005        | 1.0000e-005        |                | 1.0000e-005        | 1.0000e-005        |          | 3.8200e-003        | 3.8200e-003        | 1.0000e-005        |               | 4.0700e-003        |
| Energy       | 0.0000             | 0.0000             | 0.0000             | 0.0000        |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000             |
| Mobile       | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000             | 0.0000             | 0.0000         | 0.0000             | 0.0000             |          | 0.0000             | 0.0000             | 0.0000             |               | 0.0000             |
| <b>Total</b> | <b>7.6800e-003</b> | <b>2.0000e-005</b> | <b>1.7900e-003</b> | <b>0.0000</b> | <b>0.0000</b> | <b>1.0000e-005</b> | <b>1.0000e-005</b> | <b>0.0000</b>  | <b>1.0000e-005</b> | <b>1.0000e-005</b> |          | <b>3.8200e-003</b> | <b>3.8200e-003</b> | <b>1.0000e-005</b> | <b>0.0000</b> | <b>4.0700e-003</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         | 7.6800e-003        | 2.0000e-005        | 1.7900e-003        | 0.0000        |               | 1.0000e-005        | 1.0000e-005        |                | 1.0000e-005        | 1.0000e-005        |          | 3.8200e-003        | 3.8200e-003        | 1.0000e-005        |               | 4.0700e-003        |
| Energy       | 0.0000             | 0.0000             | 0.0000             | 0.0000        |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000             |
| Mobile       | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000             | 0.0000             | 0.0000         | 0.0000             | 0.0000             |          | 0.0000             | 0.0000             | 0.0000             |               | 0.0000             |
| <b>Total</b> | <b>7.6800e-003</b> | <b>2.0000e-005</b> | <b>1.7900e-003</b> | <b>0.0000</b> | <b>0.0000</b> | <b>1.0000e-005</b> | <b>1.0000e-005</b> | <b>0.0000</b>  | <b>1.0000e-005</b> | <b>1.0000e-005</b> |          | <b>3.8200e-003</b> | <b>3.8200e-003</b> | <b>1.0000e-005</b> | <b>0.0000</b> | <b>4.0700e-003</b> |

## WRP 10 Capital Improvement Project - Riverside-Salton Sea County, Summer

|                   | ROG  | NOx  | CO   | SO2  | 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      | 4/22/2021  | 4/22/2021 | 5             | 1        |                   |
| 2            | Grading               | Grading               | 4/23/2021  | 4/26/2021 | 5             | 2        |                   |
| 3            | Building Construction | Building Construction | 4/27/2021  | 9/13/2021 | 5             | 100      |                   |
| 4            | Paving                | Paving                | 9/13/2021  | 9/17/2021 | 5             | 5        |                   |

**Acres of Grading (Site Preparation Phase): 0.5****Acres of Grading (Grading Phase): 0****Acres of Paving: 0.4****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

## WRP 10 Capital Improvement Project - Riverside-Salton Sea County, Summer

| Phase Name            | Offroad Equipment Type    | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Site Preparation      | Graders                   | 1      | 8.00        | 187         | 0.41        |
| Site Preparation      | Tractors/Loaders/Backhoes | 1      | 8.00        | 97          | 0.37        |
| Grading               | Concrete/Industrial Saws  | 1      | 8.00        | 81          | 0.73        |
| Grading               | Graders                   | 2      | 6.00        | 97          | 0.37        |
| Grading               | Rubber Tired Dozers       | 1      | 1.00        | 247         | 0.40        |
| Grading               | Tractors/Loaders/Backhoes | 2      | 6.00        | 97          | 0.37        |
| Building Construction | Cranes                    | 1      | 4.00        | 231         | 0.29        |
| Building Construction | Forklifts                 | 1      | 6.00        | 89          | 0.20        |
| Building Construction | Tractors/Loaders/Backhoes | 1      | 8.00        | 97          | 0.37        |
| Paving                | Cement and Mortar Mixers  | 1      | 6.00        | 9           | 0.56        |
| Paving                | Pavers                    | 1      | 7.00        | 130         | 0.42        |
| Paving                | Rollers                   | 1      | 7.00        | 80          | 0.38        |
| Paving                | Tractors/Loaders/Backhoes | 1      | 7.00        | 97          | 0.37        |

**Trips and VMT**

| Phase Name            | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Site Preparation      | 2                       | 5.00               | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Grading               | 6                       | 5.00               | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Building Construction | 3                       | 7.00               | 3.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Paving                | 4                       | 5.00               | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |

**3.1 Mitigation Measures Construction**

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

## WRP 10 Capital Improvement Project - Riverside-Salton Sea County, Summer

**3.2 Site Preparation - 2021****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 |               |               |               |                    | 0.5303        | 0.0000        | 0.5303        | 0.0573         | 0.0000        | 0.0573        |          |                 | 0.0000          |               |     | 0.0000          |
| Off-Road      | 0.6403        | 7.8204        | 4.0274        | 9.7300e-003        |               | 0.2995        | 0.2995        |                | 0.2755        | 0.2755        |          | 942.5842        | 942.5842        | 0.3049        |     | 950.2055        |
| <b>Total</b>  | <b>0.6403</b> | <b>7.8204</b> | <b>4.0274</b> | <b>9.7300e-003</b> | <b>0.5303</b> | <b>0.2995</b> | <b>0.8297</b> | <b>0.0573</b>  | <b>0.2755</b> | <b>0.3328</b> |          | <b>942.5842</b> | <b>942.5842</b> | <b>0.3049</b> |     | <b>950.2055</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         |
| 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         |
| Worker       | 0.0237        | 0.0135        | 0.1849        | 5.3000e-004        | 0.0559        | 3.3000e-004        | 0.0562        | 0.0148         | 3.0000e-004        | 0.0151        |          | 53.2376        | 53.2376        | 1.2700e-003        |     | 53.2693        |
| <b>Total</b> | <b>0.0237</b> | <b>0.0135</b> | <b>0.1849</b> | <b>5.3000e-004</b> | <b>0.0559</b> | <b>3.3000e-004</b> | <b>0.0562</b> | <b>0.0148</b>  | <b>3.0000e-004</b> | <b>0.0151</b> |          | <b>53.2376</b> | <b>53.2376</b> | <b>1.2700e-003</b> |     | <b>53.2693</b> |

## WRP 10 Capital Improvement Project - Riverside-Salton Sea County, Summer

**3.2 Site Preparation - 2021****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 |               |               |               |                    | 0.2068        | 0.0000        | 0.2068        | 0.0223         | 0.0000        | 0.0223        |               |                 | 0.0000          |               |     | 0.0000          |
| Off-Road      | 0.6403        | 7.8204        | 4.0274        | 9.7300e-003        |               | 0.2995        | 0.2995        |                | 0.2755        | 0.2755        | 0.0000        | 942.5842        | 942.5842        | 0.3049        |     | 950.2055        |
| <b>Total</b>  | <b>0.6403</b> | <b>7.8204</b> | <b>4.0274</b> | <b>9.7300e-003</b> | <b>0.2068</b> | <b>0.2995</b> | <b>0.5063</b> | <b>0.0223</b>  | <b>0.2755</b> | <b>0.2978</b> | <b>0.0000</b> | <b>942.5842</b> | <b>942.5842</b> | <b>0.3049</b> |     | <b>950.2055</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         |
| 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         |
| Worker       | 0.0237        | 0.0135        | 0.1849        | 5.3000e-004        | 0.0559        | 3.3000e-004        | 0.0562        | 0.0148         | 3.0000e-004        | 0.0151        |          | 53.2376        | 53.2376        | 1.2700e-003        |     | 53.2693        |
| <b>Total</b> | <b>0.0237</b> | <b>0.0135</b> | <b>0.1849</b> | <b>5.3000e-004</b> | <b>0.0559</b> | <b>3.3000e-004</b> | <b>0.0562</b> | <b>0.0148</b>  | <b>3.0000e-004</b> | <b>0.0151</b> |          | <b>53.2376</b> | <b>53.2376</b> | <b>1.2700e-003</b> |     | <b>53.2693</b> |

## WRP 10 Capital Improvement Project - Riverside-Salton Sea County, Summer

**3.3 Grading - 2021****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 |               |                |                |               | 0.7528        | 0.0000        | 0.7528        | 0.4138         | 0.0000        | 0.4138        |          |                        | 0.0000                 |               |     | 0.0000                 |
| Off-Road      | 1.6519        | 14.0184        | 11.7960        | 0.0166        |               | 0.9484        | 0.9484        |                | 0.8864        | 0.8864        |          | 1,592.809<br>7         | 1,592.809<br>7         | 0.3579        |     | 1,601.756<br>7         |
| <b>Total</b>  | <b>1.6519</b> | <b>14.0184</b> | <b>11.7960</b> | <b>0.0166</b> | <b>0.7528</b> | <b>0.9484</b> | <b>1.7011</b> | <b>0.4138</b>  | <b>0.8864</b> | <b>1.3001</b> |          | <b>1,592.809<br/>7</b> | <b>1,592.809<br/>7</b> | <b>0.3579</b> |     | <b>1,601.756<br/>7</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         |
| 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         |
| Worker       | 0.0237        | 0.0135        | 0.1849        | 5.3000e-004        | 0.0559        | 3.3000e-004        | 0.0562        | 0.0148         | 3.0000e-004        | 0.0151        |          | 53.2376        | 53.2376        | 1.2700e-003        |     | 53.2693        |
| <b>Total</b> | <b>0.0237</b> | <b>0.0135</b> | <b>0.1849</b> | <b>5.3000e-004</b> | <b>0.0559</b> | <b>3.3000e-004</b> | <b>0.0562</b> | <b>0.0148</b>  | <b>3.0000e-004</b> | <b>0.0151</b> |          | <b>53.2376</b> | <b>53.2376</b> | <b>1.2700e-003</b> |     | <b>53.2693</b> |

## WRP 10 Capital Improvement Project - Riverside-Salton Sea County, Summer

**3.3 Grading - 2021****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 |               |                |                |               | 0.2936        | 0.0000        | 0.2936        | 0.1614         | 0.0000        | 0.1614        |               |                        | 0.0000                 |               |     | 0.0000                 |
| Off-Road      | 1.6519        | 14.0184        | 11.7960        | 0.0166        |               | 0.9484        | 0.9484        |                | 0.8864        | 0.8864        | 0.0000        | 1,592.809<br>7         | 1,592.809<br>7         | 0.3579        |     | 1,601.756<br>7         |
| <b>Total</b>  | <b>1.6519</b> | <b>14.0184</b> | <b>11.7960</b> | <b>0.0166</b> | <b>0.2936</b> | <b>0.9484</b> | <b>1.2420</b> | <b>0.1614</b>  | <b>0.8864</b> | <b>1.0477</b> | <b>0.0000</b> | <b>1,592.809<br/>7</b> | <b>1,592.809<br/>7</b> | <b>0.3579</b> |     | <b>1,601.756<br/>7</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         |
| 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         |
| Worker       | 0.0237        | 0.0135        | 0.1849        | 5.3000e-004        | 0.0559        | 3.3000e-004        | 0.0562        | 0.0148         | 3.0000e-004        | 0.0151        |          | 53.2376        | 53.2376        | 1.2700e-003        |     | 53.2693        |
| <b>Total</b> | <b>0.0237</b> | <b>0.0135</b> | <b>0.1849</b> | <b>5.3000e-004</b> | <b>0.0559</b> | <b>3.3000e-004</b> | <b>0.0562</b> | <b>0.0148</b>  | <b>3.0000e-004</b> | <b>0.0151</b> |          | <b>53.2376</b> | <b>53.2376</b> | <b>1.2700e-003</b> |     | <b>53.2693</b> |

## WRP 10 Capital Improvement Project - Riverside-Salton Sea County, Summer

**3.4 Building Construction - 2021****Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |               |               |                |               |               | lb/day   |                 |                 |               |     |                 |
| Off-Road     | 0.4907        | 5.2048        | 4.1276        | 7.1400e-003        |               | 0.2730        | 0.2730        |                | 0.2512        | 0.2512        |          | 691.2926        | 691.2926        | 0.2236        |     | 696.8820        |
| <b>Total</b> | <b>0.4907</b> | <b>5.2048</b> | <b>4.1276</b> | <b>7.1400e-003</b> |               | <b>0.2730</b> | <b>0.2730</b> |                | <b>0.2512</b> | <b>0.2512</b> |          | <b>691.2926</b> | <b>691.2926</b> | <b>0.2236</b> |     | <b>696.8820</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          |
| Vendor       | 7.0000e-003   | 0.2776        | 0.0495        | 7.8000e-004        | 0.0192        | 5.3000e-004        | 0.0197        | 5.5300e-003    | 5.1000e-004        | 6.0400e-003   |          | 81.9753         | 81.9753         | 5.8600e-003        |     | 82.1219         |
| Worker       | 0.0332        | 0.0189        | 0.2588        | 7.5000e-004        | 0.0782        | 4.6000e-004        | 0.0787        | 0.0208         | 4.2000e-004        | 0.0212        |          | 74.5326         | 74.5326         | 1.7800e-003        |     | 74.5770         |
| <b>Total</b> | <b>0.0402</b> | <b>0.2965</b> | <b>0.3083</b> | <b>1.5300e-003</b> | <b>0.0975</b> | <b>9.9000e-004</b> | <b>0.0984</b> | <b>0.0263</b>  | <b>9.3000e-004</b> | <b>0.0272</b> |          | <b>156.5079</b> | <b>156.5079</b> | <b>7.6400e-003</b> |     | <b>156.6989</b> |

## WRP 10 Capital Improvement Project - Riverside-Salton Sea County, Summer

**3.4 Building Construction - 2021****Mitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |               |               |                |               |               | lb/day        |                 |                 |               |     |                 |
| Off-Road     | 0.4907        | 5.2048        | 4.1276        | 7.1400e-003        |               | 0.2730        | 0.2730        |                | 0.2512        | 0.2512        | 0.0000        | 691.2926        | 691.2926        | 0.2236        |     | 696.8820        |
| <b>Total</b> | <b>0.4907</b> | <b>5.2048</b> | <b>4.1276</b> | <b>7.1400e-003</b> |               | <b>0.2730</b> | <b>0.2730</b> |                | <b>0.2512</b> | <b>0.2512</b> | <b>0.0000</b> | <b>691.2926</b> | <b>691.2926</b> | <b>0.2236</b> |     | <b>696.8820</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          |
| Vendor       | 7.0000e-003   | 0.2776        | 0.0495        | 7.8000e-004        | 0.0192        | 5.3000e-004        | 0.0197        | 5.5300e-003    | 5.1000e-004        | 6.0400e-003   |          | 81.9753         | 81.9753         | 5.8600e-003        |     | 82.1219         |
| Worker       | 0.0332        | 0.0189        | 0.2588        | 7.5000e-004        | 0.0782        | 4.6000e-004        | 0.0787        | 0.0208         | 4.2000e-004        | 0.0212        |          | 74.5326         | 74.5326         | 1.7800e-003        |     | 74.5770         |
| <b>Total</b> | <b>0.0402</b> | <b>0.2965</b> | <b>0.3083</b> | <b>1.5300e-003</b> | <b>0.0975</b> | <b>9.9000e-004</b> | <b>0.0984</b> | <b>0.0263</b>  | <b>9.3000e-004</b> | <b>0.0272</b> |          | <b>156.5079</b> | <b>156.5079</b> | <b>7.6400e-003</b> |     | <b>156.6989</b> |

## WRP 10 Capital Improvement Project - Riverside-Salton Sea County, Summer

**3.5 Paving - 2021****Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |               |               |                |               |               | lb/day   |                 |                 |               |     |                 |
| Off-Road     | 0.5892        | 5.8893        | 6.3961        | 9.6600e-003        |               | 0.3212        | 0.3212        |                | 0.2964        | 0.2964        |          | 921.6808        | 921.6808        | 0.2898        |     | 928.9251        |
| Paving       | 0.0000        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                 | 0.0000          |               |     | 0.0000          |
| <b>Total</b> | <b>0.5892</b> | <b>5.8893</b> | <b>6.3961</b> | <b>9.6600e-003</b> |               | <b>0.3212</b> | <b>0.3212</b> |                | <b>0.2964</b> | <b>0.2964</b> |          | <b>921.6808</b> | <b>921.6808</b> | <b>0.2898</b> |     | <b>928.9251</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         |
| 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         |
| Worker       | 0.0237        | 0.0135        | 0.1849        | 5.3000e-004        | 0.0559        | 3.3000e-004        | 0.0562        | 0.0148         | 3.0000e-004        | 0.0151        |          | 53.2376        | 53.2376        | 1.2700e-003        |     | 53.2693        |
| <b>Total</b> | <b>0.0237</b> | <b>0.0135</b> | <b>0.1849</b> | <b>5.3000e-004</b> | <b>0.0559</b> | <b>3.3000e-004</b> | <b>0.0562</b> | <b>0.0148</b>  | <b>3.0000e-004</b> | <b>0.0151</b> |          | <b>53.2376</b> | <b>53.2376</b> | <b>1.2700e-003</b> |     | <b>53.2693</b> |

## WRP 10 Capital Improvement Project - Riverside-Salton Sea County, Summer

**3.5 Paving - 2021****Mitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |               |               |                |               |               | lb/day        |                 |                 |               |     |                 |
| Off-Road     | 0.5892        | 5.8893        | 6.3961        | 9.6600e-003        |               | 0.3212        | 0.3212        |                | 0.2964        | 0.2964        | 0.0000        | 921.6808        | 921.6808        | 0.2898        |     | 928.9251        |
| Paving       | 0.0000        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                 | 0.0000          |               |     | 0.0000          |
| <b>Total</b> | <b>0.5892</b> | <b>5.8893</b> | <b>6.3961</b> | <b>9.6600e-003</b> |               | <b>0.3212</b> | <b>0.3212</b> |                | <b>0.2964</b> | <b>0.2964</b> | <b>0.0000</b> | <b>921.6808</b> | <b>921.6808</b> | <b>0.2898</b> |     | <b>928.9251</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         |
| 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         |
| Worker       | 0.0237        | 0.0135        | 0.1849        | 5.3000e-004        | 0.0559        | 3.3000e-004        | 0.0562        | 0.0148         | 3.0000e-004        | 0.0151        |          | 53.2376        | 53.2376        | 1.2700e-003        |     | 53.2693        |
| <b>Total</b> | <b>0.0237</b> | <b>0.0135</b> | <b>0.1849</b> | <b>5.3000e-004</b> | <b>0.0559</b> | <b>3.3000e-004</b> | <b>0.0562</b> | <b>0.0148</b>  | <b>3.0000e-004</b> | <b>0.0151</b> |          | <b>53.2376</b> | <b>53.2376</b> | <b>1.2700e-003</b> |     | <b>53.2693</b> |

**4.0 Operational Detail - Mobile**

## WRP 10 Capital Improvement Project - Riverside-Salton Sea County, Summer

**4.1 Mitigation Measures Mobile**

|             | ROG    | NOx    | CO     | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4    | N2O | CO2e   |
|-------------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|-----|--------|
| Category    | lb/day |        |        |        |               |              |            |                |               |             | lb/day   |           |           |        |     |        |
| Mitigated   | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000        | 0.0000       | 0.0000     | 0.0000         | 0.0000        | 0.0000      |          | 0.0000    | 0.0000    | 0.0000 |     | 0.0000 |
| Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000        | 0.0000       | 0.0000     | 0.0000         | 0.0000        | 0.0000      |          | 0.0000    | 0.0000    | 0.0000 |     | 0.0000 |

**4.2 Trip Summary Information**

|                            | Average Daily Trip Rate |          |        | Unmitigated | Mitigated  |
|----------------------------|-------------------------|----------|--------|-------------|------------|
| Land Use                   | Weekday                 | Saturday | Sunday | Annual VMT  | Annual VMT |
| Other Non-Asphalt Surfaces | 0.00                    | 0.00     | 0.00   |             |            |
| Total                      | 0.00                    | 0.00     | 0.00   |             |            |

**4.3 Trip Type Information**

|                            | Miles      |            |             | Trip %     |            |             | Trip Purpose % |          |         |
|----------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
| Land Use                   | 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 |
| Other Non-Asphalt Surfaces | 16.60      | 8.40       | 6.90        | 0.00       | 0.00       | 0.00        | 0              | 0        | 0       |

**4.4 Fleet Mix**

| Land Use                   | LDA      | LDT1     | LDT2     | MDV      | LHD1     | LHD2     | MHD      | HHD      | OBUS     | UBUS     | MCY      | SBUS     | MH       |
|----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Other Non-Asphalt Surfaces | 0.545527 | 0.036856 | 0.186032 | 0.115338 | 0.015222 | 0.004970 | 0.017525 | 0.069528 | 0.001397 | 0.001160 | 0.004547 | 0.000932 | 0.000965 |

## WRP 10 Capital Improvement Project - Riverside-Salton Sea County, Summer

**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   | 0.0000 | 0.0000 | 0.0000 | 0.0000 |               | 0.0000       | 0.0000     |                | 0.0000        | 0.0000      |          | 0.0000    | 0.0000    | 0.0000 | 0.0000 | 0.0000 |
| NaturalGas Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 |               | 0.0000       | 0.0000     |                | 0.0000        | 0.0000      |          | 0.0000    | 0.0000    | 0.0000 | 0.0000 | 0.0000 |

## WRP 10 Capital Improvement Project - Riverside-Salton Sea County, Summer

**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   |               |               |               |               |               |
| Other Non-Asphalt Surfaces | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000        |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b>               |                | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |               | <b>0.0000</b> | <b>0.0000</b> |                | <b>0.0000</b> | <b>0.0000</b> |          | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

**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   |               |               |               |               |               |
| Other Non-Asphalt Surfaces | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000        |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b>               |                | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |               | <b>0.0000</b> | <b>0.0000</b> |                | <b>0.0000</b> | <b>0.0000</b> |          | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

**6.0 Area Detail****6.1 Mitigation Measures Area**

## WRP 10 Capital Improvement Project - Riverside-Salton Sea County, Summer

|             | ROG         | NOx         | CO          | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 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   | 7.6800e-003 | 2.0000e-005 | 1.7900e-003 | 0.0000 |               | 1.0000e-005  | 1.0000e-005 |                | 1.0000e-005   | 1.0000e-005 |          | 3.8200e-003 | 3.8200e-003 | 1.0000e-005 |     | 4.0700e-003 |
| Unmitigated | 7.6800e-003 | 2.0000e-005 | 1.7900e-003 | 0.0000 |               | 1.0000e-005  | 1.0000e-005 |                | 1.0000e-005   | 1.0000e-005 |          | 3.8200e-003 | 3.8200e-003 | 1.0000e-005 |     | 4.0700e-003 |

## 6.2 Area by SubCategory

Unmitigated

|                       | ROG                | NOx                | CO                 | SO2           | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2 | NBio- CO2          | Total CO2          | CH4                | N2O | CO2e               |
|-----------------------|--------------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|--------------------|--------------------|--------------------|-----|--------------------|
| SubCategory           | lb/day             |                    |                    |               |               |                    |                    |                |                    |                    | lb/day   |                    |                    |                    |     |                    |
| Architectural Coating | 1.3300e-003        |                    |                    |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |                    | 0.0000             |                    |     | 0.0000             |
| Consumer Products     | 6.1900e-003        |                    |                    |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |                    | 0.0000             |                    |     | 0.0000             |
| Landscaping           | 1.7000e-004        | 2.0000e-005        | 1.7900e-003        | 0.0000        |               | 1.0000e-005        | 1.0000e-005        |                | 1.0000e-005        | 1.0000e-005        |          | 3.8200e-003        | 3.8200e-003        | 1.0000e-005        |     | 4.0700e-003        |
| <b>Total</b>          | <b>7.6900e-003</b> | <b>2.0000e-005</b> | <b>1.7900e-003</b> | <b>0.0000</b> |               | <b>1.0000e-005</b> | <b>1.0000e-005</b> |                | <b>1.0000e-005</b> | <b>1.0000e-005</b> |          | <b>3.8200e-003</b> | <b>3.8200e-003</b> | <b>1.0000e-005</b> |     | <b>4.0700e-003</b> |

## WRP 10 Capital Improvement Project - Riverside-Salton Sea County, Summer

**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 | 1.3300e-003        |                    |                    |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |                    | 0.0000             |                    |     | 0.0000             |
| Consumer Products     | 6.1900e-003        |                    |                    |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |                    | 0.0000             |                    |     | 0.0000             |
| Landscaping           | 1.7000e-004        | 2.0000e-005        | 1.7900e-003        | 0.0000        |               | 1.0000e-005        | 1.0000e-005        |                | 1.0000e-005        | 1.0000e-005        |          | 3.8200e-003        | 3.8200e-003        | 1.0000e-005        |     | 4.0700e-003        |
| <b>Total</b>          | <b>7.6900e-003</b> | <b>2.0000e-005</b> | <b>1.7900e-003</b> | <b>0.0000</b> |               | <b>1.0000e-005</b> | <b>1.0000e-005</b> |                | <b>1.0000e-005</b> | <b>1.0000e-005</b> |          | <b>3.8200e-003</b> | <b>3.8200e-003</b> | <b>1.0000e-005</b> |     | <b>4.0700e-003</b> |

**7.0 Water Detail****7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

**10.0 Stationary Equipment****Fire Pumps and Emergency Generators**

## WRP 10 Capital Improvement Project - Riverside-Salton Sea County, Summer

| 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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## Biosolids Capital Improvement Project - Riverside-Salton Sea County, Summer

## Biosolids Capital Improvement Project

### Riverside-Salton Sea County, Summer

## 1.0 Project Characteristics

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### 1.1 Land Usage

| Land Uses                  | Size     | Metric   | Lot Acreage | Floor Surface Area | Population |
|----------------------------|----------|----------|-------------|--------------------|------------|
| General Light Industry     | 47.10    | 1000sqft | 1.08        | 47,100.00          | 0          |
| Other Non-Asphalt Surfaces | 1,188.00 | 1000sqft | 27.27       | 1,188,000.00       | 0          |

### 1.2 Other Project Characteristics

|                             |                              |                             |       |                             |         |
|-----------------------------|------------------------------|-----------------------------|-------|-----------------------------|---------|
| Urbanization                | Urban                        | Wind Speed (m/s)            | 2.4   | Precipitation Freq (Days)   | 28      |
| Climate Zone                | 10                           |                             |       | Operational Year            | 2022    |
| Utility Company             | Imperial Irrigation District |                             |       |                             |         |
| CO2 Intensity<br>(lb/MW hr) | 1270.90470848                | CH4 Intensity<br>(lb/MW hr) | 0.029 | N2O Intensity<br>(lb/MW hr) | 0.00617 |

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

Biosolids Capital Improvement Project - Riverside-Salton Sea County, Summer

Project Characteristics -

Land Use - Industrial space includes the proposed buildings and tanks

Construction Phase - Construction phases updated to match the project

Off-road Equipment -

Off-road Equipment - Equipment updated to match the project

Off-road Equipment - Construction equipment updated to match the project

Off-road Equipment - equipment updated to match the project

Off-road Equipment - Equipment updated to match the project

Off-road Equipment - Equipment updated to match the project

Construction Off-road Equipment Mitigation - SCAQMD Rule 403

## Biosolids Capital Improvement Project - Riverside-Salton Sea County, Summer

| Table Name             | Column Name                    | Default Value | New Value |
|------------------------|--------------------------------|---------------|-----------|
| tblConstDustMitigation | CleanPavedRoadPercentReduction | 0             | 40        |
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed   | 0             | 15        |
| tblConstructionPhase   | NumDays                        | 440.00        | 120.00    |
| tblConstructionPhase   | NumDays                        | 30.00         | 10.00     |
| tblConstructionPhase   | NumDays                        | 35.00         | 5.00      |
| tblConstructionPhase   | NumDays                        | 20.00         | 5.00      |
| tblOffRoadEquipment    | OffRoadEquipmentUnitAmount     | 3.00          | 1.00      |
| tblOffRoadEquipment    | OffRoadEquipmentUnitAmount     | 3.00          | 1.00      |
| tblOffRoadEquipment    | OffRoadEquipmentUnitAmount     | 1.00          | 0.00      |
| tblOffRoadEquipment    | OffRoadEquipmentUnitAmount     | 2.00          | 1.00      |
| tblOffRoadEquipment    | OffRoadEquipmentUnitAmount     | 2.00          | 1.00      |
| tblOffRoadEquipment    | OffRoadEquipmentUnitAmount     | 2.00          | 1.00      |
| tblOffRoadEquipment    | OffRoadEquipmentUnitAmount     | 2.00          | 1.00      |
| tblOffRoadEquipment    | OffRoadEquipmentUnitAmount     | 3.00          | 1.00      |
| tblOffRoadEquipment    | OffRoadEquipmentUnitAmount     | 3.00          | 1.00      |
| tblOffRoadEquipment    | OffRoadEquipmentUnitAmount     | 4.00          | 1.00      |
| tblOffRoadEquipment    | OffRoadEquipmentUnitAmount     | 1.00          | 0.00      |

## 2.0 Emissions Summary

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## Biosolids Capital Improvement Project - Riverside-Salton Sea County, Summer

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

|         | ROG    | NOx     | CO      | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2  | Total CO2  | CH4    | N2O    | CO2e       |
|---------|--------|---------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|--------|------------|
| Year    | lb/day |         |         |        |               |              |            |                |               |             | lb/day   |            |            |        |        |            |
| 2021    | 3.1115 | 25.7014 | 22.8180 | 0.0954 | 6.1058        | 0.8104       | 6.8156     | 3.3324         | 0.7594        | 3.9855      | 0.0000   | 9,739.2806 | 9,739.2806 | 0.7749 | 0.0000 | 9,758.6532 |
| Maximum | 3.1115 | 25.7014 | 22.8180 | 0.0954 | 6.1058        | 0.8104       | 6.8156     | 3.3324         | 0.7594        | 3.9855      | 0.0000   | 9,739.2806 | 9,739.2806 | 0.7749 | 0.0000 | 9,758.6532 |

**Mitigated Construction**

|         | ROG    | NOx     | CO      | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2  | Total CO2  | CH4    | N2O    | CO2e       |
|---------|--------|---------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|--------|------------|
| Year    | lb/day |         |         |        |               |              |            |                |               |             | lb/day   |            |            |        |        |            |
| 2021    | 3.1115 | 25.7014 | 22.8180 | 0.0954 | 3.5577        | 0.8104       | 3.9665     | 1.3061         | 0.7594        | 1.9591      | 0.0000   | 9,739.2806 | 9,739.2806 | 0.7749 | 0.0000 | 9,758.6532 |
| Maximum | 3.1115 | 25.7014 | 22.8180 | 0.0954 | 3.5577        | 0.8104       | 3.9665     | 1.3061         | 0.7594        | 1.9591      | 0.0000   | 9,739.2806 | 9,739.2806 | 0.7749 | 0.0000 | 9,758.6532 |

|                   | ROG  | NOx  | CO   | SO2  | 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 | 41.73         | 0.00         | 41.80      | 60.81          | 0.00          | 50.84       | 0.00     | 0.00      | 0.00      | 0.00 | 0.00 | 0.00 |

## Biosolids Capital Improvement Project - Riverside-Salton Sea County, Summer

**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         | 1.9658        | 1.1500e-003   | 0.1263        | 1.0000e-005   |               | 4.5000e-004   | 4.5000e-004   |                | 4.5000e-004   | 4.5000e-004   |          | 0.2703            | 0.2703            | 7.1000e-004   |                    | 0.2881            |
| Energy       | 0.0452        | 0.4110        | 0.3453        | 2.4700e-003   |               | 0.0312        | 0.0312        |                | 0.0312        | 0.0312        |          | 493.2406          | 493.2406          | 9.4500e-003   | 9.0400e-003        | 496.1717          |
| Mobile       | 0.5996        | 4.2879        | 6.8647        | 0.0298        | 2.1996        | 0.0194        | 2.2189        | 0.5885         | 0.0181        | 0.6066        |          | 3,042.3256        | 3,042.3256        | 0.1458        |                    | 3,045.9696        |
| <b>Total</b> | <b>2.6106</b> | <b>4.7001</b> | <b>7.3363</b> | <b>0.0323</b> | <b>2.1996</b> | <b>0.0510</b> | <b>2.2506</b> | <b>0.5885</b>  | <b>0.0498</b> | <b>0.6383</b> |          | <b>3,535.8365</b> | <b>3,535.8365</b> | <b>0.1559</b> | <b>9.0400e-003</b> | <b>3,542.4295</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         | 1.9658        | 1.1500e-003   | 0.1263        | 1.0000e-005   |               | 4.5000e-004   | 4.5000e-004   |                | 4.5000e-004   | 4.5000e-004   |          | 0.2703            | 0.2703            | 7.1000e-004   |                    | 0.2881            |
| Energy       | 0.0452        | 0.4110        | 0.3453        | 2.4700e-003   |               | 0.0312        | 0.0312        |                | 0.0312        | 0.0312        |          | 493.2406          | 493.2406          | 9.4500e-003   | 9.0400e-003        | 496.1717          |
| Mobile       | 0.5996        | 4.2879        | 6.8647        | 0.0298        | 2.1996        | 0.0194        | 2.2189        | 0.5885         | 0.0181        | 0.6066        |          | 3,042.3256        | 3,042.3256        | 0.1458        |                    | 3,045.9696        |
| <b>Total</b> | <b>2.6106</b> | <b>4.7001</b> | <b>7.3363</b> | <b>0.0323</b> | <b>2.1996</b> | <b>0.0510</b> | <b>2.2506</b> | <b>0.5885</b>  | <b>0.0498</b> | <b>0.6383</b> |          | <b>3,535.8365</b> | <b>3,535.8365</b> | <b>0.1559</b> | <b>9.0400e-003</b> | <b>3,542.4295</b> |

## Biosolids Capital Improvement Project - Riverside-Salton Sea County, Summer

|                   | ROG  | NOx  | CO   | SO2  | 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

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#### Construction Phase

| Phase Number | Phase Name            | Phase Type            | Start Date | End Date   | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1            | Demolition            | Demolition            | 4/8/2021   | 4/21/2021  | 5             | 10       |                   |
| 2            | Trenching             | Trenching             | 4/29/2021  | 6/9/2021   | 5             | 30       |                   |
| 3            | Site Preparation      | Site Preparation      | 5/20/2021  | 5/26/2021  | 5             | 5        |                   |
| 4            | Building Construction | Building Construction | 6/10/2021  | 11/24/2021 | 5             | 120      |                   |
| 5            | Paving                | Paving                | 11/25/2021 | 12/1/2021  | 5             | 5        |                   |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 27.27

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

#### OffRoad Equipment

## Biosolids Capital Improvement Project - Riverside-Salton Sea County, Summer

| Phase Name            | Offroad Equipment Type    | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Demolition            | Concrete/Industrial Saws  | 1      | 8.00        | 81          | 0.73        |
| Demolition            | Excavators                | 1      | 8.00        | 158         | 0.38        |
| Demolition            | Rubber Tired Dozers       | 1      | 8.00        | 247         | 0.40        |
| Site Preparation      | Rubber Tired Dozers       | 1      | 8.00        | 247         | 0.40        |
| Site Preparation      | Tractors/Loaders/Backhoes | 1      | 8.00        | 97          | 0.37        |
| Building Construction | Cranes                    | 1      | 7.00        | 231         | 0.29        |
| Building Construction | Forklifts                 | 1      | 8.00        | 89          | 0.20        |
| Building Construction | Generator Sets            | 0      | 8.00        | 84          | 0.74        |
| Building Construction | Tractors/Loaders/Backhoes | 1      | 7.00        | 97          | 0.37        |
| Building Construction | Welders                   | 0      | 8.00        | 46          | 0.45        |
| Paving                | Pavers                    | 1      | 8.00        | 130         | 0.42        |
| Paving                | Paving Equipment          | 1      | 8.00        | 132         | 0.36        |
| Paving                | Rollers                   | 1      | 8.00        | 80          | 0.38        |
| Trenching             | Excavators                | 1      | 1.00        | 158         | 0.38        |
| Trenching             | Scrapers                  | 1      | 1.00        | 367         | 0.48        |

Trips and VMT

| Phase Name            | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Demolition            | 3                       | 8.00               | 0.00               | 0.00                | 11.00              | 5.40               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Site Preparation      | 2                       | 5.00               | 0.00               | 0.00                | 11.00              | 5.40               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Building Construction | 3                       | 519.00             | 202.00             | 0.00                | 11.00              | 5.40               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Paving                | 3                       | 8.00               | 0.00               | 0.00                | 11.00              | 5.40               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Trenching             | 2                       | 5.00               | 0.00               | 0.00                | 11.00              | 5.40               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |

**3.1 Mitigation Measures Construction**

## Biosolids Capital Improvement Project - Riverside-Salton Sea County, Summer

Water Exposed Area

Clean Paved Roads

**3.2 Demolition - 2021****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     | 1.6604        | 16.1626        | 10.9836        | 0.0200        |               | 0.8100        | 0.8100        |                | 0.7591        | 0.7591        |          | 1,920.2088        | 1,920.2088        | 0.4638        |     | 1,931.8031        |
| <b>Total</b> | <b>1.6604</b> | <b>16.1626</b> | <b>10.9836</b> | <b>0.0200</b> |               | <b>0.8100</b> | <b>0.8100</b> |                | <b>0.7591</b> | <b>0.7591</b> |          | <b>1,920.2088</b> | <b>1,920.2088</b> | <b>0.4638</b> |     | <b>1,931.8031</b> |

## Biosolids Capital Improvement Project - Riverside-Salton Sea County, Summer

**3.2 Demolition - 2021****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         |
| 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         |
| Worker       | 0.0312        | 0.0167        | 0.2289        | 6.4000e-004        | 0.0669        | 4.1000e-004        | 0.0673        | 0.0178         | 3.7000e-004        | 0.0181        |          | 64.1839        | 64.1839        | 1.5600e-003        |     | 64.2229        |
| <b>Total</b> | <b>0.0312</b> | <b>0.0167</b> | <b>0.2289</b> | <b>6.4000e-004</b> | <b>0.0669</b> | <b>4.1000e-004</b> | <b>0.0673</b> | <b>0.0178</b>  | <b>3.7000e-004</b> | <b>0.0181</b> |          | <b>64.1839</b> | <b>64.1839</b> | <b>1.5600e-003</b> |     | <b>64.2229</b> |

**Mitigated Construction On-Site**

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 1.6604        | 16.1626        | 10.9836        | 0.0200        |               | 0.8100        | 0.8100        |                | 0.7591        | 0.7591        | 0.0000        | 1,920.2088        | 1,920.2088        | 0.4638        |     | 1,931.8030        |
| <b>Total</b> | <b>1.6604</b> | <b>16.1626</b> | <b>10.9836</b> | <b>0.0200</b> |               | <b>0.8100</b> | <b>0.8100</b> |                | <b>0.7591</b> | <b>0.7591</b> | <b>0.0000</b> | <b>1,920.2088</b> | <b>1,920.2088</b> | <b>0.4638</b> |     | <b>1,931.8030</b> |

## Biosolids Capital Improvement Project - Riverside-Salton Sea County, Summer

**3.2 Demolition - 2021****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         |
| 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         |
| Worker       | 0.0312        | 0.0167        | 0.2289        | 6.4000e-004        | 0.0437        | 4.1000e-004        | 0.0441        | 0.0120         | 3.7000e-004        | 0.0124        |          | 64.1839        | 64.1839        | 1.5600e-003        |     | 64.2229        |
| <b>Total</b> | <b>0.0312</b> | <b>0.0167</b> | <b>0.2289</b> | <b>6.4000e-004</b> | <b>0.0437</b> | <b>4.1000e-004</b> | <b>0.0441</b> | <b>0.0120</b>  | <b>3.7000e-004</b> | <b>0.0124</b> |          | <b>64.1839</b> | <b>64.1839</b> | <b>1.5600e-003</b> |     | <b>64.2229</b> |

**3.3 Trenching - 2021****Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |               |               |                |               |               | lb/day   |                 |                 |               |     |                 |
| Off-Road     | 0.1448        | 1.6070        | 1.2846        | 2.5400e-003        |               | 0.0651        | 0.0651        |                | 0.0599        | 0.0599        |          | 246.0129        | 246.0129        | 0.0796        |     | 248.0021        |
| <b>Total</b> | <b>0.1448</b> | <b>1.6070</b> | <b>1.2846</b> | <b>2.5400e-003</b> |               | <b>0.0651</b> | <b>0.0651</b> |                | <b>0.0599</b> | <b>0.0599</b> |          | <b>246.0129</b> | <b>246.0129</b> | <b>0.0796</b> |     | <b>248.0021</b> |

## Biosolids Capital Improvement Project - Riverside-Salton Sea County, Summer

**3.3 Trenching - 2021****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         |
| 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         |
| Worker       | 0.0195        | 0.0105        | 0.1431        | 4.0000e-004        | 0.0418        | 2.5000e-004        | 0.0421        | 0.0111         | 2.3000e-004        | 0.0113        |          | 40.1150        | 40.1150        | 9.7000e-004        |     | 40.1393        |
| <b>Total</b> | <b>0.0195</b> | <b>0.0105</b> | <b>0.1431</b> | <b>4.0000e-004</b> | <b>0.0418</b> | <b>2.5000e-004</b> | <b>0.0421</b> | <b>0.0111</b>  | <b>2.3000e-004</b> | <b>0.0113</b> |          | <b>40.1150</b> | <b>40.1150</b> | <b>9.7000e-004</b> |     | <b>40.1393</b> |

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |               |               |                |               |               | lb/day        |                 |                 |               |     |                 |
| Off-Road     | 0.1448        | 1.6070        | 1.2846        | 2.5400e-003        |               | 0.0651        | 0.0651        |                | 0.0599        | 0.0599        | 0.0000        | 246.0129        | 246.0129        | 0.0796        |     | 248.0021        |
| <b>Total</b> | <b>0.1448</b> | <b>1.6070</b> | <b>1.2846</b> | <b>2.5400e-003</b> |               | <b>0.0651</b> | <b>0.0651</b> |                | <b>0.0599</b> | <b>0.0599</b> | <b>0.0000</b> | <b>246.0129</b> | <b>246.0129</b> | <b>0.0796</b> |     | <b>248.0021</b> |

## Biosolids Capital Improvement Project - Riverside-Salton Sea County, Summer

**3.3 Trenching - 2021****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         |
| 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         |
| Worker       | 0.0195        | 0.0105        | 0.1431        | 4.0000e-004        | 0.0273        | 2.5000e-004        | 0.0275        | 7.5300e-003        | 2.3000e-004        | 7.7600e-003        |          | 40.1150        | 40.1150        | 9.7000e-004        |     | 40.1393        |
| <b>Total</b> | <b>0.0195</b> | <b>0.0105</b> | <b>0.1431</b> | <b>4.0000e-004</b> | <b>0.0273</b> | <b>2.5000e-004</b> | <b>0.0275</b> | <b>7.5300e-003</b> | <b>2.3000e-004</b> | <b>7.7600e-003</b> |          | <b>40.1150</b> | <b>40.1150</b> | <b>9.7000e-004</b> |     | <b>40.1393</b> |

**3.4 Site Preparation - 2021****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 |               |                |               |               | 6.0221        | 0.0000        | 6.0221        | 3.3102         | 0.0000        | 3.3102        |          |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 1.2336        | 12.8671        | 6.2980        | 0.0116        |               | 0.6442        | 0.6442        |                | 0.5927        | 0.5927        |          | 1,128.2523        | 1,128.2523        | 0.3649        |     | 1,137.3748        |
| <b>Total</b>  | <b>1.2336</b> | <b>12.8671</b> | <b>6.2980</b> | <b>0.0116</b> | <b>6.0221</b> | <b>0.6442</b> | <b>6.6663</b> | <b>3.3102</b>  | <b>0.5927</b> | <b>3.9029</b> |          | <b>1,128.2523</b> | <b>1,128.2523</b> | <b>0.3649</b> |     | <b>1,137.3748</b> |

## Biosolids Capital Improvement Project - Riverside-Salton Sea County, Summer

**3.4 Site Preparation - 2021****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         |
| 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         |
| Worker       | 0.0195        | 0.0105        | 0.1431        | 4.0000e-004        | 0.0418        | 2.5000e-004        | 0.0421        | 0.0111         | 2.3000e-004        | 0.0113        |          | 40.1150        | 40.1150        | 9.7000e-004        |     | 40.1393        |
| <b>Total</b> | <b>0.0195</b> | <b>0.0105</b> | <b>0.1431</b> | <b>4.0000e-004</b> | <b>0.0418</b> | <b>2.5000e-004</b> | <b>0.0421</b> | <b>0.0111</b>  | <b>2.3000e-004</b> | <b>0.0113</b> |          | <b>40.1150</b> | <b>40.1150</b> | <b>9.7000e-004</b> |     | <b>40.1393</b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx            | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |               |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Fugitive Dust |               |                |               |               | 2.3486        | 0.0000        | 2.3486        | 1.2910         | 0.0000        | 1.2910        |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 1.2336        | 12.8671        | 6.2980        | 0.0116        |               | 0.6442        | 0.6442        |                | 0.5927        | 0.5927        | 0.0000        | 1,128.2523        | 1,128.2523        | 0.3649        |     | 1,137.3748        |
| <b>Total</b>  | <b>1.2336</b> | <b>12.8671</b> | <b>6.2980</b> | <b>0.0116</b> | <b>2.3486</b> | <b>0.6442</b> | <b>2.9928</b> | <b>1.2910</b>  | <b>0.5927</b> | <b>1.8837</b> | <b>0.0000</b> | <b>1,128.2523</b> | <b>1,128.2523</b> | <b>0.3649</b> |     | <b>1,137.3748</b> |

## Biosolids Capital Improvement Project - Riverside-Salton Sea County, Summer

**3.4 Site Preparation - 2021****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         |
| 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         |
| Worker       | 0.0195        | 0.0105        | 0.1431        | 4.0000e-004        | 0.0273        | 2.5000e-004        | 0.0275        | 7.5300e-003        | 2.3000e-004        | 7.7600e-003        |          | 40.1150        | 40.1150        | 9.7000e-004        |     | 40.1393        |
| <b>Total</b> | <b>0.0195</b> | <b>0.0105</b> | <b>0.1431</b> | <b>4.0000e-004</b> | <b>0.0273</b> | <b>2.5000e-004</b> | <b>0.0275</b> | <b>7.5300e-003</b> | <b>2.3000e-004</b> | <b>7.7600e-003</b> |          | <b>40.1150</b> | <b>40.1150</b> | <b>9.7000e-004</b> |     | <b>40.1393</b> |

**3.5 Building Construction - 2021****Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |               |               |                |               |               | lb/day   |                 |                 |               |     |                 |
| Off-Road     | 0.6545        | 7.0811        | 4.8806        | 9.2900e-003        |               | 0.3538        | 0.3538        |                | 0.3255        | 0.3255        |          | 900.2148        | 900.2148        | 0.2912        |     | 907.4935        |
| <b>Total</b> | <b>0.6545</b> | <b>7.0811</b> | <b>4.8806</b> | <b>9.2900e-003</b> |               | <b>0.3538</b> | <b>0.3538</b> |                | <b>0.3255</b> | <b>0.3255</b> |          | <b>900.2148</b> | <b>900.2148</b> | <b>0.2912</b> |     | <b>907.4935</b> |

## Biosolids Capital Improvement Project - Riverside-Salton Sea County, Summer

**3.5 Building Construction - 2021****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            |
| Vendor       | 0.4322        | 17.5354        | 3.0891         | 0.0443        | 1.0134        | 0.0286        | 1.0421        | 0.2919         | 0.0274        | 0.3193        |          | 4,675.1333        | 4,675.1333        | 0.3827        |     | 4,684.7007        |
| Worker       | 2.0249        | 1.0849         | 14.8483        | 0.0418        | 4.3423        | 0.0264        | 4.3687        | 1.1518         | 0.0243        | 1.1761        |          | 4,163.9325        | 4,163.9325        | 0.1011        |     | 4,166.4590        |
| <b>Total</b> | <b>2.4571</b> | <b>18.6203</b> | <b>17.9374</b> | <b>0.0861</b> | <b>5.3558</b> | <b>0.0550</b> | <b>5.4108</b> | <b>1.4437</b>  | <b>0.0517</b> | <b>1.4954</b> |          | <b>8,839.0658</b> | <b>8,839.0658</b> | <b>0.4838</b> |     | <b>8,851.1597</b> |

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |               |               |                |               |               | lb/day        |                 |                 |               |     |                 |
| Off-Road     | 0.6545        | 7.0811        | 4.8806        | 9.2900e-003        |               | 0.3538        | 0.3538        |                | 0.3255        | 0.3255        | 0.0000        | 900.2148        | 900.2148        | 0.2912        |     | 907.4935        |
| <b>Total</b> | <b>0.6545</b> | <b>7.0811</b> | <b>4.8806</b> | <b>9.2900e-003</b> |               | <b>0.3538</b> | <b>0.3538</b> |                | <b>0.3255</b> | <b>0.3255</b> | <b>0.0000</b> | <b>900.2148</b> | <b>900.2148</b> | <b>0.2912</b> |     | <b>907.4935</b> |

## Biosolids Capital Improvement Project - Riverside-Salton Sea County, Summer

**3.5 Building Construction - 2021****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                 |
| Vendor       | 0.4322        | 17.5354        | 3.0891         | 0.0443        | 0.7250        | 0.0286        | 0.7536        | 0.2211         | 0.0274        | 0.2485        |          | 4,675.133<br>3         | 4,675.133<br>3         | 0.3827        |     | 4,684.700<br>7         |
| Worker       | 2.0249        | 1.0849         | 14.8483        | 0.0418        | 2.8327        | 0.0264        | 2.8591        | 0.7812         | 0.0243        | 0.8055        |          | 4,163.932<br>5         | 4,163.932<br>5         | 0.1011        |     | 4,166.459<br>0         |
| <b>Total</b> | <b>2.4571</b> | <b>18.6203</b> | <b>17.9374</b> | <b>0.0861</b> | <b>3.5577</b> | <b>0.0550</b> | <b>3.6128</b> | <b>1.0024</b>  | <b>0.0517</b> | <b>1.0540</b> |          | <b>8,839.065<br/>8</b> | <b>8,839.065<br/>8</b> | <b>0.4838</b> |     | <b>8,851.159<br/>7</b> |

**3.6 Paving - 2021****Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |                        |                        |               |     |                        |
| Off-Road     | 0.6278        | 6.4596        | 7.3266        | 0.0114        |               | 0.3389        | 0.3389        |                | 0.3118        | 0.3118        |          | 1,103.605<br>4         | 1,103.605<br>4         | 0.3569        |     | 1,112.5286             |
| Paving       | 0.0000        |               |               |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                        | 0.0000                 |               |     | 0.0000                 |
| <b>Total</b> | <b>0.6278</b> | <b>6.4596</b> | <b>7.3266</b> | <b>0.0114</b> |               | <b>0.3389</b> | <b>0.3389</b> |                | <b>0.3118</b> | <b>0.3118</b> |          | <b>1,103.605<br/>4</b> | <b>1,103.605<br/>4</b> | <b>0.3569</b> |     | <b>1,112.528<br/>6</b> |

## Biosolids Capital Improvement Project - Riverside-Salton Sea County, Summer

**3.6 Paving - 2021****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         |
| 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         |
| Worker       | 0.0312        | 0.0167        | 0.2289        | 6.4000e-004        | 0.0669        | 4.1000e-004        | 0.0673        | 0.0178         | 3.7000e-004        | 0.0181        |          | 64.1839        | 64.1839        | 1.5600e-003        |     | 64.2229        |
| <b>Total</b> | <b>0.0312</b> | <b>0.0167</b> | <b>0.2289</b> | <b>6.4000e-004</b> | <b>0.0669</b> | <b>4.1000e-004</b> | <b>0.0673</b> | <b>0.0178</b>  | <b>3.7000e-004</b> | <b>0.0181</b> |          | <b>64.1839</b> | <b>64.1839</b> | <b>1.5600e-003</b> |     | <b>64.2229</b> |

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 0.6278        | 6.4596        | 7.3266        | 0.0114        |               | 0.3389        | 0.3389        |                | 0.3118        | 0.3118        | 0.0000        | 1,103.6054        | 1,103.6054        | 0.3569        |     | 1,112.5286        |
| Paving       | 0.0000        |               |               |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>0.6278</b> | <b>6.4596</b> | <b>7.3266</b> | <b>0.0114</b> |               | <b>0.3389</b> | <b>0.3389</b> |                | <b>0.3118</b> | <b>0.3118</b> | <b>0.0000</b> | <b>1,103.6054</b> | <b>1,103.6054</b> | <b>0.3569</b> |     | <b>1,112.5286</b> |

## Biosolids Capital Improvement Project - Riverside-Salton Sea County, Summer

**3.6 Paving - 2021****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         |
| 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         |
| Worker       | 0.0312        | 0.0167        | 0.2289        | 6.4000e-004        | 0.0437        | 4.1000e-004        | 0.0441        | 0.0120         | 3.7000e-004        | 0.0124        |          | 64.1839        | 64.1839        | 1.5600e-003        |     | 64.2229        |
| <b>Total</b> | <b>0.0312</b> | <b>0.0167</b> | <b>0.2289</b> | <b>6.4000e-004</b> | <b>0.0437</b> | <b>4.1000e-004</b> | <b>0.0441</b> | <b>0.0120</b>  | <b>3.7000e-004</b> | <b>0.0124</b> |          | <b>64.1839</b> | <b>64.1839</b> | <b>1.5600e-003</b> |     | <b>64.2229</b> |

**4.0 Operational Detail - Mobile****4.1 Mitigation Measures Mobile**

## Biosolids Capital Improvement Project - Riverside-Salton Sea County, Summer

|             | ROG    | NOx    | CO     | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2  | Total CO2  | CH4    | N2O | CO2e       |
|-------------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|-----|------------|
| Category    | lb/day |        |        |        |               |              |            |                |               |             | lb/day   |            |            |        |     |            |
| Mitigated   | 0.5996 | 4.2879 | 6.8647 | 0.0298 | 2.1996        | 0.0194       | 2.2189     | 0.5885         | 0.0181        | 0.6066      |          | 3,042.3256 | 3,042.3256 | 0.1458 |     | 3,045.9696 |
| Unmitigated | 0.5996 | 4.2879 | 6.8647 | 0.0298 | 2.1996        | 0.0194       | 2.2189     | 0.5885         | 0.0181        | 0.6066      |          | 3,042.3256 | 3,042.3256 | 0.1458 |     | 3,045.9696 |

## 4.2 Trip Summary Information

| Land Use                   | Average Daily Trip Rate |          |        | Unmitigated | Mitigated  |
|----------------------------|-------------------------|----------|--------|-------------|------------|
|                            | Weekday                 | Saturday | Sunday | Annual VMT  | Annual VMT |
| General Light Industry     | 328.29                  | 62.17    | 32.03  | 779,012     | 779,012    |
| Other Non-Asphalt Surfaces | 0.00                    | 0.00     | 0.00   |             |            |
| Total                      | 328.29                  | 62.17    | 32.03  | 779,012     | 779,012    |

## 4.3 Trip Type Information

| Land Use                   | Miles      |            |             | Trip %     |            |             | Trip Purpose % |          |         |
|----------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
|                            | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary        | Diverted | Pass-by |
| General Light Industry     | 12.50      | 4.20       | 5.40        | 59.00      | 28.00      | 13.00       | 92             | 5        | 3       |
| Other Non-Asphalt Surfaces | 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       |
|----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| General Light Industry     | 0.545527 | 0.036856 | 0.186032 | 0.115338 | 0.015222 | 0.004970 | 0.017525 | 0.069528 | 0.001397 | 0.001160 | 0.004547 | 0.000932 | 0.000965 |
| Other Non-Asphalt Surfaces | 0.545527 | 0.036856 | 0.186032 | 0.115338 | 0.015222 | 0.004970 | 0.017525 | 0.069528 | 0.001397 | 0.001160 | 0.004547 | 0.000932 | 0.000965 |

## Biosolids Capital Improvement Project - Riverside-Salton Sea County, Summer

**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   | 0.0452 | 0.4110 | 0.3453 | 2.4700e-003 |               | 0.0312       | 0.0312     |                | 0.0312        | 0.0312      |          | 493.2406  | 493.2406  | 9.4500e-003 | 9.0400e-003 | 496.1717 |
| NaturalGas Unmitigated | 0.0452 | 0.4110 | 0.3453 | 2.4700e-003 |               | 0.0312       | 0.0312     |                | 0.0312        | 0.0312      |          | 493.2406  | 493.2406  | 9.4500e-003 | 9.0400e-003 | 496.1717 |

## Biosolids Capital Improvement Project - Riverside-Salton Sea County, Summer

**5.2 Energy by Land Use - NaturalGas****Unmitigated**

|                            | NaturalGas Use | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O                | CO2e            |
|----------------------------|----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use                   | kBTU/yr        | lb/day        |               |               |                    |               |               |               |                |               |               | lb/day   |                 |                 |                    |                    |                 |
| General Light Industry     | 4192.55        | 0.0452        | 0.4110        | 0.3453        | 2.4700e-003        |               | 0.0312        | 0.0312        |                | 0.0312        | 0.0312        |          | 493.2406        | 493.2406        | 9.4500e-003        | 9.0400e-003        | 496.1717        |
| Other Non-Asphalt Surfaces | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000             |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             | 0.0000             | 0.0000          |
| <b>Total</b>               |                | <b>0.0452</b> | <b>0.4110</b> | <b>0.3453</b> | <b>2.4700e-003</b> |               | <b>0.0312</b> | <b>0.0312</b> |                | <b>0.0312</b> | <b>0.0312</b> |          | <b>493.2406</b> | <b>493.2406</b> | <b>9.4500e-003</b> | <b>9.0400e-003</b> | <b>496.1717</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   |                 |                 |                    |                    |                 |
| General Light Industry     | 4.19255        | 0.0452        | 0.4110        | 0.3453        | 2.4700e-003        |               | 0.0312        | 0.0312        |                | 0.0312        | 0.0312        |          | 493.2406        | 493.2406        | 9.4500e-003        | 9.0400e-003        | 496.1717        |
| Other Non-Asphalt Surfaces | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000             |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             | 0.0000             | 0.0000          |
| <b>Total</b>               |                | <b>0.0452</b> | <b>0.4110</b> | <b>0.3453</b> | <b>2.4700e-003</b> |               | <b>0.0312</b> | <b>0.0312</b> |                | <b>0.0312</b> | <b>0.0312</b> |          | <b>493.2406</b> | <b>493.2406</b> | <b>9.4500e-003</b> | <b>9.0400e-003</b> | <b>496.1717</b> |

**6.0 Area Detail****6.1 Mitigation Measures Area**

## Biosolids Capital Improvement Project - Riverside-Salton Sea County, Summer

|             | ROG    | NOx         | CO     | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4         | N2O | CO2e   |
|-------------|--------|-------------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|--------|
| Category    | lb/day |             |        |             |               |              |             |                |               |             | lb/day   |           |           |             |     |        |
| Mitigated   | 1.9658 | 1.1500e-003 | 0.1263 | 1.0000e-005 |               | 4.5000e-004  | 4.5000e-004 |                | 4.5000e-004   | 4.5000e-004 |          | 0.2703    | 0.2703    | 7.1000e-004 |     | 0.2881 |
| Unmitigated | 1.9658 | 1.1500e-003 | 0.1263 | 1.0000e-005 |               | 4.5000e-004  | 4.5000e-004 |                | 4.5000e-004   | 4.5000e-004 |          | 0.2703    | 0.2703    | 7.1000e-004 |     | 0.2881 |

## 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 | 0.5253        |                    |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Consumer Products     | 1.4287        |                    |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Landscaping           | 0.0118        | 1.1500e-003        | 0.1263        | 1.0000e-005        |               | 4.5000e-004        | 4.5000e-004        |                | 4.5000e-004        | 4.5000e-004        |          | 0.2703        | 0.2703        | 7.1000e-004        |     | 0.2881        |
| <b>Total</b>          | <b>1.9658</b> | <b>1.1500e-003</b> | <b>0.1263</b> | <b>1.0000e-005</b> |               | <b>4.5000e-004</b> | <b>4.5000e-004</b> |                | <b>4.5000e-004</b> | <b>4.5000e-004</b> |          | <b>0.2703</b> | <b>0.2703</b> | <b>7.1000e-004</b> |     | <b>0.2881</b> |

## Biosolids Capital Improvement Project - Riverside-Salton Sea County, Summer

**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 | 0.5253        |                    |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Consumer Products     | 1.4287        |                    |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Landscaping           | 0.0118        | 1.1500e-003        | 0.1263        | 1.0000e-005        |               | 4.5000e-004        | 4.5000e-004        |                | 4.5000e-004        | 4.5000e-004        |          | 0.2703        | 0.2703        | 7.1000e-004        |     | 0.2881        |
| <b>Total</b>          | <b>1.9658</b> | <b>1.1500e-003</b> | <b>0.1263</b> | <b>1.0000e-005</b> |               | <b>4.5000e-004</b> | <b>4.5000e-004</b> |                | <b>4.5000e-004</b> | <b>4.5000e-004</b> |          | <b>0.2703</b> | <b>0.2703</b> | <b>7.1000e-004</b> |     | <b>0.2881</b> |

**7.0 Water Detail****7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

**10.0 Stationary Equipment****Fire Pumps and Emergency Generators**

## Biosolids Capital Improvement Project - Riverside-Salton Sea County, Summer

| 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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## Septic-to-Sewer Conversion Capital Improvements - Riverside-Salton Sea County, Summer

## Septic-to-Sewer Conversion Capital Improvements

### Riverside-Salton Sea County, Summer

## 1.0 Project Characteristics

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### 1.1 Land Usage

| Land Uses                  | Size   | Metric   | Lot Acreage | Floor Surface Area | Population |
|----------------------------|--------|----------|-------------|--------------------|------------|
| Other Non-Asphalt Surfaces | 628.78 | 1000sqft | 14.43       | 628,780.00         | 0          |

### 1.2 Other Project Characteristics

|                                 |                              |                                 |       |                                  |         |
|---------------------------------|------------------------------|---------------------------------|-------|----------------------------------|---------|
| <b>Urbanization</b>             | Urban                        | <b>Wind Speed (m/s)</b>         | 2.4   | <b>Precipitation Freq (Days)</b> | 28      |
| <b>Climate Zone</b>             | 10                           |                                 |       | <b>Operational Year</b>          | 2022    |
| <b>Utility Company</b>          | Imperial Irrigation District |                                 |       |                                  |         |
| <b>CO2 Intensity (lb/MW hr)</b> | 1270.90470848                | <b>CH4 Intensity (lb/MW hr)</b> | 0.029 | <b>N2O Intensity (lb/MW hr)</b>  | 0.00617 |

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

Project Characteristics -

Land Use -

Construction Phase - Project phases and timing updated to match the Project.

Off-road Equipment - Equipment updated to match the Project

Off-road Equipment - Equipment updated to match the Project

Off-road Equipment - Equipment updated to match the Project

Off-road Equipment - Equipment updated to match the Project

Demolition -

Construction Off-road Equipment Mitigation -

## Septic-to-Sewer Conversion Capital Improvements - Riverside-Salton Sea County, Summer

| Table Name             | Column Name                     | Default Value | New Value |
|------------------------|---------------------------------|---------------|-----------|
| tblAreaCoating         | Area_EF_Nonresidential_Exterior | 250           | 100       |
| tblAreaCoating         | Area_EF_Nonresidential_Interior | 250           | 100       |
| tblAreaCoating         | Area_EF_Parking                 | 250           | 100       |
| tblAreaCoating         | Area_EF_Residential_Exterior    | 250           | 50        |
| tblAreaCoating         | Area_EF_Residential_Interior    | 250           | 50        |
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed    | 0             | 15        |
| tblConstructionPhase   | NumDays                         | 300.00        | 250.00    |
| tblConstructionPhase   | NumDays                         | 20.00         | 30.00     |
| tblConsumerProducts    | ROG_EF                          | 2.14E-05      | 1.98E-05  |
| tblLandscapeEquipment  | NumberSummerDays                | 180           | 250       |
| tblOffRoadEquipment    | OffRoadEquipmentUnitAmount      | 3.00          | 1.00      |
| tblOffRoadEquipment    | OffRoadEquipmentUnitAmount      | 3.00          | 1.00      |
| tblOffRoadEquipment    | OffRoadEquipmentUnitAmount      | 2.00          | 1.00      |
| tblOffRoadEquipment    | OffRoadEquipmentUnitAmount      | 2.00          | 1.00      |
| tblOffRoadEquipment    | OffRoadEquipmentUnitAmount      | 2.00          | 1.00      |
| tblOffRoadEquipment    | OffRoadEquipmentUnitAmount      | 2.00          | 1.00      |
| tblOffRoadEquipment    | OffRoadEquipmentUnitAmount      | 3.00          | 1.00      |
| tblTripsAndVMT         | VendorTripLength                | 5.40          | 6.90      |
| tblTripsAndVMT         | VendorTripLength                | 5.40          | 6.90      |
| tblTripsAndVMT         | VendorTripLength                | 5.40          | 6.90      |
| tblTripsAndVMT         | VendorTripLength                | 5.40          | 6.90      |
| tblTripsAndVMT         | WorkerTripLength                | 11.00         | 14.70     |
| tblTripsAndVMT         | WorkerTripLength                | 11.00         | 14.70     |
| tblTripsAndVMT         | WorkerTripLength                | 11.00         | 14.70     |
| tblTripsAndVMT         | WorkerTripLength                | 11.00         | 14.70     |
| tblVehicleTrips        | CC_TL                           | 4.20          | 8.40      |

## Septic-to-Sewer Conversion Capital Improvements - Riverside-Salton Sea County, Summer

|                 |        |       |       |
|-----------------|--------|-------|-------|
| tblVehicleTrips | CNW_TL | 5.40  | 6.90  |
| tblVehicleTrips | CW_TL  | 12.50 | 16.60 |

## 2.0 Emissions Summary

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## Septic-to-Sewer Conversion Capital Improvements - Riverside-Salton Sea County, Summer

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

|         | ROG    | NOx     | CO      | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2  | Total CO2  | CH4    | N2O    | CO2e       |
|---------|--------|---------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|--------|------------|
| Year    | lb/day |         |         |        |               |              |            |                |               |             | lb/day   |            |            |        |        |            |
| 2021    | 2.8066 | 32.4533 | 21.7451 | 0.0772 | 17.6945       | 0.8601       | 18.5545    | 2.8500         | 0.8069        | 3.6569      | 0.0000   | 7,988.4117 | 7,988.4117 | 0.8133 | 0.0000 | 8,008.7445 |
| 2022    | 3.1726 | 25.7898 | 28.2870 | 0.0843 | 3.6998        | 0.8282       | 4.5280     | 0.9962         | 0.7794        | 1.7756      | 0.0000   | 8,415.7645 | 8,415.7645 | 0.9554 | 0.0000 | 8,439.6499 |
| Maximum | 3.1726 | 32.4533 | 28.2870 | 0.0843 | 17.6945       | 0.8601       | 18.5545    | 2.8500         | 0.8069        | 3.6569      | 0.0000   | 8,415.7645 | 8,415.7645 | 0.9554 | 0.0000 | 8,439.6499 |

**Mitigated Construction**

|         | ROG    | NOx     | CO      | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2  | Total CO2  | CH4    | N2O    | CO2e       |
|---------|--------|---------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|--------|------------|
| Year    | lb/day |         |         |        |               |              |            |                |               |             | lb/day   |            |            |        |        |            |
| 2021    | 2.8066 | 32.4533 | 21.7451 | 0.0772 | 7.7541        | 0.8601       | 8.6141     | 1.3449         | 0.8069        | 2.1518      | 0.0000   | 7,988.4117 | 7,988.4117 | 0.8133 | 0.0000 | 8,008.7445 |
| 2022    | 3.1726 | 25.7898 | 28.2870 | 0.0843 | 3.6998        | 0.8282       | 4.5280     | 0.9962         | 0.7794        | 1.7756      | 0.0000   | 8,415.7645 | 8,415.7645 | 0.9554 | 0.0000 | 8,439.6499 |
| Maximum | 3.1726 | 32.4533 | 28.2870 | 0.0843 | 7.7541        | 0.8601       | 8.6141     | 1.3449         | 0.8069        | 2.1518      | 0.0000   | 8,415.7645 | 8,415.7645 | 0.9554 | 0.0000 | 8,439.6499 |

|                   | ROG  | NOx  | CO   | SO2  | 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 | 46.46         | 0.00         | 43.06      | 39.13          | 0.00          | 27.71       | 0.00     | 0.00      | 0.00      | 0.00 | 0.00 | 0.00 |

## Septic-to-Sewer Conversion Capital Improvements - Riverside-Salton Sea County, Summer

**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         | 0.2766        | 5.9000e-004        | 0.0643        | 0.0000        |               | 2.3000e-004        | 2.3000e-004        |                | 2.3000e-004        | 2.3000e-004        |          | 0.1376        | 0.1376        | 3.6000e-004        |               | 0.1467        |
| Energy       | 0.0000        | 0.0000             | 0.0000        | 0.0000        |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Mobile       | 0.0000        | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000             | 0.0000         | 0.0000             | 0.0000             |          | 0.0000        | 0.0000        | 0.0000             |               | 0.0000        |
| <b>Total</b> | <b>0.2766</b> | <b>5.9000e-004</b> | <b>0.0643</b> | <b>0.0000</b> | <b>0.0000</b> | <b>2.3000e-004</b> | <b>2.3000e-004</b> | <b>0.0000</b>  | <b>2.3000e-004</b> | <b>2.3000e-004</b> |          | <b>0.1376</b> | <b>0.1376</b> | <b>3.6000e-004</b> | <b>0.0000</b> | <b>0.1467</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         | 0.2766        | 5.9000e-004        | 0.0643        | 0.0000        |               | 2.3000e-004        | 2.3000e-004        |                | 2.3000e-004        | 2.3000e-004        |          | 0.1376        | 0.1376        | 3.6000e-004        |               | 0.1467        |
| Energy       | 0.0000        | 0.0000             | 0.0000        | 0.0000        |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Mobile       | 0.0000        | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000             | 0.0000         | 0.0000             | 0.0000             |          | 0.0000        | 0.0000        | 0.0000             |               | 0.0000        |
| <b>Total</b> | <b>0.2766</b> | <b>5.9000e-004</b> | <b>0.0643</b> | <b>0.0000</b> | <b>0.0000</b> | <b>2.3000e-004</b> | <b>2.3000e-004</b> | <b>0.0000</b>  | <b>2.3000e-004</b> | <b>2.3000e-004</b> |          | <b>0.1376</b> | <b>0.1376</b> | <b>3.6000e-004</b> | <b>0.0000</b> | <b>0.1467</b> |

## Septic-to-Sewer Conversion Capital Improvements - Riverside-Salton Sea County, Summer

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

**3.0 Construction Detail****Construction Phase**

| Phase Number | Phase Name            | Phase Type            | Start Date | End Date  | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|-----------|---------------|----------|-------------------|
| 1            | Demolition            | Demolition            | 4/9/2021   | 5/6/2021  | 5             | 20       |                   |
| 2            | Trenching             | Trenching             | 5/7/2021   | 7/1/2021  | 5             | 40       |                   |
| 3            | Building Construction | Building Construction | 7/2/2021   | 6/16/2022 | 5             | 250      |                   |
| 4            | Paving                | Paving                | 6/16/2022  | 7/28/2022 | 5             | 30       |                   |

**Acres of Grading (Site Preparation Phase): 0****Acres of Grading (Grading Phase): 0****Acres of Paving: 14.43****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

## Septic-to-Sewer Conversion Capital Improvements - Riverside-Salton Sea County, Summer

| Phase Name            | Offroad Equipment Type    | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Demolition            | Concrete/Industrial Saws  | 1      | 8.00        | 81          | 0.73        |
| Demolition            | Excavators                | 1      | 8.00        | 158         | 0.38        |
| Demolition            | Rubber Tired Dozers       | 1      | 8.00        | 247         | 0.40        |
| Trenching             | Rubber Tired Dozers       | 1      | 8.00        | 247         | 0.40        |
| Trenching             | Tractors/Loaders/Backhoes | 1      | 8.00        | 97          | 0.37        |
| Building Construction | Cranes                    | 1      | 7.00        | 231         | 0.29        |
| Building Construction | Forklifts                 | 1      | 8.00        | 89          | 0.20        |
| Building Construction | Generator Sets            | 1      | 8.00        | 84          | 0.74        |
| Building Construction | Tractors/Loaders/Backhoes | 1      | 7.00        | 97          | 0.37        |
| Building Construction | Welders                   | 1      | 8.00        | 46          | 0.45        |
| Paving                | Pavers                    | 1      | 8.00        | 130         | 0.42        |
| Paving                | Paving Equipment          | 1      | 8.00        | 132         | 0.36        |
| Paving                | Rollers                   | 1      | 8.00        | 80          | 0.38        |

Trips and VMT

| Phase Name            | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Demolition            | 3                       | 8.00               | 0.00               | 1,497.00            | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Trenching             | 2                       | 5.00               | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Building Construction | 5                       | 264.00             | 103.00             | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Paving                | 3                       | 8.00               | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |

**3.1 Mitigation Measures Construction**

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

## Septic-to-Sewer Conversion Capital Improvements - Riverside-Salton Sea County, Summer

**3.2 Demolition - 2021****Unmitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10  | Exhaust PM10  | PM10 Total     | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|---------------|---------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category      | lb/day        |                |                |               |                |               |                |                |               |               | lb/day   |                        |                        |               |     |                        |
| Fugitive Dust |               |                |                |               | 16.2957        | 0.0000        | 16.2957        | 2.4673         | 0.0000        | 2.4673        |          |                        | 0.0000                 |               |     | 0.0000                 |
| Off-Road      | 1.6604        | 16.1626        | 10.9836        | 0.0200        |                | 0.8100        | 0.8100         |                | 0.7591        | 0.7591        |          | 1,920.208<br>8         | 1,920.208<br>8         | 0.4638        |     | 1,931.803<br>1         |
| <b>Total</b>  | <b>1.6604</b> | <b>16.1626</b> | <b>10.9836</b> | <b>0.0200</b> | <b>16.2957</b> | <b>0.8100</b> | <b>17.1058</b> | <b>2.4673</b>  | <b>0.7591</b> | <b>3.2264</b> |          | <b>1,920.208<br/>8</b> | <b>1,920.208<br/>8</b> | <b>0.4638</b> |     | <b>1,931.803<br/>1</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx            | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|--------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category     | lb/day        |                |               |               |               |               |               |                |               |               | lb/day   |                        |                        |               |     |                        |
| Hauling      | 0.3643        | 16.2691        | 2.1394        | 0.0564        | 1.3093        | 0.0495        | 1.3588        | 0.3589         | 0.0474        | 0.4063        |          | 5,983.022<br>8         | 5,983.022<br>8         | 0.3475        |     | 5,991.710<br>6         |
| 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                 |
| Worker       | 0.0379        | 0.0216         | 0.2958        | 8.5000e-004   | 0.0894        | 5.3000e-004   | 0.0900        | 0.0237         | 4.9000e-004   | 0.0242        |          | 85.1801                | 85.1801                | 2.0300e-003   |     | 85.2309                |
| <b>Total</b> | <b>0.4023</b> | <b>16.2907</b> | <b>2.4352</b> | <b>0.0572</b> | <b>1.3987</b> | <b>0.0501</b> | <b>1.4488</b> | <b>0.3826</b>  | <b>0.0479</b> | <b>0.4305</b> |          | <b>6,068.202<br/>8</b> | <b>6,068.202<br/>8</b> | <b>0.3495</b> |     | <b>6,076.941<br/>5</b> |

## Septic-to-Sewer Conversion Capital Improvements - Riverside-Salton Sea County, Summer

**3.2 Demolition - 2021****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 |               |                |                |               | 6.3553        | 0.0000        | 6.3553        | 0.9623         | 0.0000        | 0.9623        |               |                        | 0.0000                 |               |     | 0.0000                 |
| Off-Road      | 1.6604        | 16.1626        | 10.9836        | 0.0200        |               | 0.8100        | 0.8100        |                | 0.7591        | 0.7591        | 0.0000        | 1,920.208<br>8         | 1,920.208<br>8         | 0.4638        |     | 1,931.803<br>0         |
| <b>Total</b>  | <b>1.6604</b> | <b>16.1626</b> | <b>10.9836</b> | <b>0.0200</b> | <b>6.3553</b> | <b>0.8100</b> | <b>7.1654</b> | <b>0.9623</b>  | <b>0.7591</b> | <b>1.7213</b> | <b>0.0000</b> | <b>1,920.208<br/>8</b> | <b>1,920.208<br/>8</b> | <b>0.4638</b> |     | <b>1,931.803<br/>0</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      | 0.3643        | 16.2691        | 2.1394        | 0.0564        | 1.3093        | 0.0495        | 1.3588        | 0.3589         | 0.0474        | 0.4063        |          | 5,983.022<br>8         | 5,983.022<br>8         | 0.3475        |     | 5,991.710<br>6         |
| 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                 |
| Worker       | 0.0379        | 0.0216         | 0.2958        | 8.5000e-004   | 0.0894        | 5.3000e-004   | 0.0900        | 0.0237         | 4.9000e-004   | 0.0242        |          | 85.1801                | 85.1801                | 2.0300e-003   |     | 85.2309                |
| <b>Total</b> | <b>0.4023</b> | <b>16.2907</b> | <b>2.4352</b> | <b>0.0572</b> | <b>1.3987</b> | <b>0.0501</b> | <b>1.4488</b> | <b>0.3826</b>  | <b>0.0479</b> | <b>0.4305</b> |          | <b>6,068.202<br/>8</b> | <b>6,068.202<br/>8</b> | <b>0.3495</b> |     | <b>6,076.941<br/>5</b> |

## Septic-to-Sewer Conversion Capital Improvements - Riverside-Salton Sea County, Summer

**3.3 Trenching - 2021****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     | 1.2336        | 12.8671        | 6.2980        | 0.0116        |               | 0.6442        | 0.6442        |                | 0.5927        | 0.5927        |          | 1,128.2523        | 1,128.2523        | 0.3649        |     | 1,137.3748        |
| <b>Total</b> | <b>1.2336</b> | <b>12.8671</b> | <b>6.2980</b> | <b>0.0116</b> |               | <b>0.6442</b> | <b>0.6442</b> |                | <b>0.5927</b> | <b>0.5927</b> |          | <b>1,128.2523</b> | <b>1,128.2523</b> | <b>0.3649</b> |     | <b>1,137.3748</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         |
| 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         |
| Worker       | 0.0237        | 0.0135        | 0.1849        | 5.3000e-004        | 0.0559        | 3.3000e-004        | 0.0562        | 0.0148         | 3.0000e-004        | 0.0151        |          | 53.2376        | 53.2376        | 1.2700e-003        |     | 53.2693        |
| <b>Total</b> | <b>0.0237</b> | <b>0.0135</b> | <b>0.1849</b> | <b>5.3000e-004</b> | <b>0.0559</b> | <b>3.3000e-004</b> | <b>0.0562</b> | <b>0.0148</b>  | <b>3.0000e-004</b> | <b>0.0151</b> |          | <b>53.2376</b> | <b>53.2376</b> | <b>1.2700e-003</b> |     | <b>53.2693</b> |

## Septic-to-Sewer Conversion Capital Improvements - Riverside-Salton Sea County, Summer

**3.3 Trenching - 2021****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     | 1.2336        | 12.8671        | 6.2980        | 0.0116        |               | 0.6442        | 0.6442        |                | 0.5927        | 0.5927        | 0.0000        | 1,128.2523        | 1,128.2523        | 0.3649        |     | 1,137.3748        |
| <b>Total</b> | <b>1.2336</b> | <b>12.8671</b> | <b>6.2980</b> | <b>0.0116</b> |               | <b>0.6442</b> | <b>0.6442</b> |                | <b>0.5927</b> | <b>0.5927</b> | <b>0.0000</b> | <b>1,128.2523</b> | <b>1,128.2523</b> | <b>0.3649</b> |     | <b>1,137.3748</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         |
| 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         |
| Worker       | 0.0237        | 0.0135        | 0.1849        | 5.3000e-004        | 0.0559        | 3.3000e-004        | 0.0562        | 0.0148         | 3.0000e-004        | 0.0151        |          | 53.2376        | 53.2376        | 1.2700e-003        |     | 53.2693        |
| <b>Total</b> | <b>0.0237</b> | <b>0.0135</b> | <b>0.1849</b> | <b>5.3000e-004</b> | <b>0.0559</b> | <b>3.3000e-004</b> | <b>0.0562</b> | <b>0.0148</b>  | <b>3.0000e-004</b> | <b>0.0151</b> |          | <b>53.2376</b> | <b>53.2376</b> | <b>1.2700e-003</b> |     | <b>53.2693</b> |

## Septic-to-Sewer Conversion Capital Improvements - Riverside-Salton Sea County, Summer

**3.4 Building Construction - 2021****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     | 1.3145        | 11.7562        | 10.2841        | 0.0184        |               | 0.5956        | 0.5956        |                | 0.5673        | 0.5673        |          | 1,730.727<br>1         | 1,730.727<br>1         | 0.3500        |     | 1,739.476<br>0         |
| <b>Total</b> | <b>1.3145</b> | <b>11.7562</b> | <b>10.2841</b> | <b>0.0184</b> |               | <b>0.5956</b> | <b>0.5956</b> |                | <b>0.5673</b> | <b>0.5673</b> |          | <b>1,730.727<br/>1</b> | <b>1,730.727<br/>1</b> | <b>0.3500</b> |     | <b>1,739.476<br/>0</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                 |
| Vendor       | 0.2405        | 9.5315         | 1.7006         | 0.0267        | 0.6595        | 0.0181        | 0.6777        | 0.1899         | 0.0173        | 0.2072        |          | 2,814.485<br>5         | 2,814.485<br>5         | 0.2014        |     | 2,819.519<br>3         |
| Worker       | 1.2516        | 0.7130         | 9.7604         | 0.0282        | 2.9509        | 0.0174        | 2.9683        | 0.7826         | 0.0160        | 0.7986        |          | 2,810.942<br>4         | 2,810.942<br>4         | 0.0670        |     | 2,812.618<br>0         |
| <b>Total</b> | <b>1.4921</b> | <b>10.2446</b> | <b>11.4610</b> | <b>0.0549</b> | <b>3.6104</b> | <b>0.0355</b> | <b>3.6460</b> | <b>0.9725</b>  | <b>0.0334</b> | <b>1.0058</b> |          | <b>5,625.427<br/>9</b> | <b>5,625.427<br/>9</b> | <b>0.2684</b> |     | <b>5,632.137<br/>3</b> |

## Septic-to-Sewer Conversion Capital Improvements - Riverside-Salton Sea County, Summer

**3.4 Building Construction - 2021****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     | 1.3145        | 11.7562        | 10.2841        | 0.0184        |               | 0.5956        | 0.5956        |                | 0.5673        | 0.5673        | 0.0000        | 1,730.727<br>1         | 1,730.727<br>1         | 0.3500        |     | 1,739.476<br>0         |
| <b>Total</b> | <b>1.3145</b> | <b>11.7562</b> | <b>10.2841</b> | <b>0.0184</b> |               | <b>0.5956</b> | <b>0.5956</b> |                | <b>0.5673</b> | <b>0.5673</b> | <b>0.0000</b> | <b>1,730.727<br/>1</b> | <b>1,730.727<br/>1</b> | <b>0.3500</b> |     | <b>1,739.476<br/>0</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                 |
| Vendor       | 0.2405        | 9.5315         | 1.7006         | 0.0267        | 0.6595        | 0.0181        | 0.6777        | 0.1899         | 0.0173        | 0.2072        |          | 2,814.485<br>5         | 2,814.485<br>5         | 0.2014        |     | 2,819.519<br>3         |
| Worker       | 1.2516        | 0.7130         | 9.7604         | 0.0282        | 2.9509        | 0.0174        | 2.9683        | 0.7826         | 0.0160        | 0.7986        |          | 2,810.942<br>4         | 2,810.942<br>4         | 0.0670        |     | 2,812.618<br>0         |
| <b>Total</b> | <b>1.4921</b> | <b>10.2446</b> | <b>11.4610</b> | <b>0.0549</b> | <b>3.6104</b> | <b>0.0355</b> | <b>3.6460</b> | <b>0.9725</b>  | <b>0.0334</b> | <b>1.0058</b> |          | <b>5,625.427<br/>9</b> | <b>5,625.427<br/>9</b> | <b>0.2684</b> |     | <b>5,632.137<br/>3</b> |

## Septic-to-Sewer Conversion Capital Improvements - Riverside-Salton Sea County, Summer

**3.4 Building Construction - 2022****Unmitigated Construction On-Site**

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Off-Road     | 1.1908        | 10.5735        | 10.1395        | 0.0184        |               | 0.5116        | 0.5116        |                | 0.4875        | 0.4875        |          | 1,731.1038        | 1,731.1038        | 0.3457        |     | 1,739.7462        |
| <b>Total</b> | <b>1.1908</b> | <b>10.5735</b> | <b>10.1395</b> | <b>0.0184</b> |               | <b>0.5116</b> | <b>0.5116</b> |                | <b>0.4875</b> | <b>0.4875</b> |          | <b>1,731.1038</b> | <b>1,731.1038</b> | <b>0.3457</b> |     | <b>1,739.7462</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            |
| Vendor       | 0.2242        | 8.9927        | 1.5817         | 0.0265        | 0.6595        | 0.0152        | 0.6748        | 0.1899         | 0.0146        | 0.2045        |          | 2,790.5293        | 2,790.5293        | 0.1907        |     | 2,795.2966        |
| Worker       | 1.1707        | 0.6417        | 9.0027         | 0.0272        | 2.9509        | 0.0169        | 2.9678        | 0.7826         | 0.0156        | 0.7982        |          | 2,708.2335        | 2,708.2335        | 0.0602        |     | 2,709.7387        |
| <b>Total</b> | <b>1.3949</b> | <b>9.6344</b> | <b>10.5844</b> | <b>0.0536</b> | <b>3.6104</b> | <b>0.0322</b> | <b>3.6426</b> | <b>0.9725</b>  | <b>0.0302</b> | <b>1.0026</b> |          | <b>5,498.7629</b> | <b>5,498.7629</b> | <b>0.2509</b> |     | <b>5,505.0353</b> |

## Septic-to-Sewer Conversion Capital Improvements - Riverside-Salton Sea County, Summer

**3.4 Building Construction - 2022****Mitigated Construction On-Site**

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 1.1908        | 10.5735        | 10.1395        | 0.0184        |               | 0.5116        | 0.5116        |                | 0.4875        | 0.4875        | 0.0000        | 1,731.1038        | 1,731.1038        | 0.3457        |     | 1,739.7462        |
| <b>Total</b> | <b>1.1908</b> | <b>10.5735</b> | <b>10.1395</b> | <b>0.0184</b> |               | <b>0.5116</b> | <b>0.5116</b> |                | <b>0.4875</b> | <b>0.4875</b> | <b>0.0000</b> | <b>1,731.1038</b> | <b>1,731.1038</b> | <b>0.3457</b> |     | <b>1,739.7462</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            |
| Vendor       | 0.2242        | 8.9927        | 1.5817         | 0.0265        | 0.6595        | 0.0152        | 0.6748        | 0.1899         | 0.0146        | 0.2045        |          | 2,790.5293        | 2,790.5293        | 0.1907        |     | 2,795.2966        |
| Worker       | 1.1707        | 0.6417        | 9.0027         | 0.0272        | 2.9509        | 0.0169        | 2.9678        | 0.7826         | 0.0156        | 0.7982        |          | 2,708.2335        | 2,708.2335        | 0.0602        |     | 2,709.7387        |
| <b>Total</b> | <b>1.3949</b> | <b>9.6344</b> | <b>10.5844</b> | <b>0.0536</b> | <b>3.6104</b> | <b>0.0322</b> | <b>3.6426</b> | <b>0.9725</b>  | <b>0.0302</b> | <b>1.0026</b> |          | <b>5,498.7629</b> | <b>5,498.7629</b> | <b>0.2509</b> |     | <b>5,505.0353</b> |

## Septic-to-Sewer Conversion Capital Improvements - Riverside-Salton Sea County, Summer

**3.5 Paving - 2022****Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |                        |                        |               |     |                        |
| Off-Road     | 0.5514        | 5.5624        | 7.2902        | 0.0114        |               | 0.2840        | 0.2840        |                | 0.2612        | 0.2612        |          | 1,103.830<br>2         | 1,103.830<br>2         | 0.3570        |     | 1,112.7552             |
| Paving       | 0.0000        |               |               |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                        | 0.0000                 |               |     | 0.0000                 |
| <b>Total</b> | <b>0.5514</b> | <b>5.5624</b> | <b>7.2902</b> | <b>0.0114</b> |               | <b>0.2840</b> | <b>0.2840</b> |                | <b>0.2612</b> | <b>0.2612</b> |          | <b>1,103.830<br/>2</b> | <b>1,103.830<br/>2</b> | <b>0.3570</b> |     | <b>1,112.755<br/>2</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         |
| 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         |
| Worker       | 0.0355        | 0.0194        | 0.2728        | 8.2000e-004        | 0.0894        | 5.1000e-004        | 0.0899        | 0.0237         | 4.7000e-004        | 0.0242        |          | 82.0677        | 82.0677        | 1.8200e-003        |     | 82.1133        |
| <b>Total</b> | <b>0.0355</b> | <b>0.0194</b> | <b>0.2728</b> | <b>8.2000e-004</b> | <b>0.0894</b> | <b>5.1000e-004</b> | <b>0.0899</b> | <b>0.0237</b>  | <b>4.7000e-004</b> | <b>0.0242</b> |          | <b>82.0677</b> | <b>82.0677</b> | <b>1.8200e-003</b> |     | <b>82.1133</b> |

## Septic-to-Sewer Conversion Capital Improvements - Riverside-Salton Sea County, Summer

**3.5 Paving - 2022****Mitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|-----|------------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day        |                        |                        |               |     |                        |
| Off-Road     | 0.5514        | 5.5624        | 7.2902        | 0.0114        |               | 0.2840        | 0.2840        |                | 0.2612        | 0.2612        | 0.0000        | 1,103.830<br>2         | 1,103.830<br>2         | 0.3570        |     | 1,112.7552             |
| Paving       | 0.0000        |               |               |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                        | 0.0000                 |               |     | 0.0000                 |
| <b>Total</b> | <b>0.5514</b> | <b>5.5624</b> | <b>7.2902</b> | <b>0.0114</b> |               | <b>0.2840</b> | <b>0.2840</b> |                | <b>0.2612</b> | <b>0.2612</b> | <b>0.0000</b> | <b>1,103.830<br/>2</b> | <b>1,103.830<br/>2</b> | <b>0.3570</b> |     | <b>1,112.755<br/>2</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         |
| 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         |
| Worker       | 0.0355        | 0.0194        | 0.2728        | 8.2000e-004        | 0.0894        | 5.1000e-004        | 0.0899        | 0.0237         | 4.7000e-004        | 0.0242        |          | 82.0677        | 82.0677        | 1.8200e-003        |     | 82.1133        |
| <b>Total</b> | <b>0.0355</b> | <b>0.0194</b> | <b>0.2728</b> | <b>8.2000e-004</b> | <b>0.0894</b> | <b>5.1000e-004</b> | <b>0.0899</b> | <b>0.0237</b>  | <b>4.7000e-004</b> | <b>0.0242</b> |          | <b>82.0677</b> | <b>82.0677</b> | <b>1.8200e-003</b> |     | <b>82.1133</b> |

**4.0 Operational Detail - Mobile**

## Septic-to-Sewer Conversion Capital Improvements - Riverside-Salton Sea County, Summer

**4.1 Mitigation Measures Mobile**

|             | ROG    | NOx    | CO     | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4    | N2O | CO2e   |
|-------------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|-----|--------|
| Category    | lb/day |        |        |        |               |              |            |                |               |             | lb/day   |           |           |        |     |        |
| Mitigated   | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000        | 0.0000       | 0.0000     | 0.0000         | 0.0000        | 0.0000      |          | 0.0000    | 0.0000    | 0.0000 |     | 0.0000 |
| Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000        | 0.0000       | 0.0000     | 0.0000         | 0.0000        | 0.0000      |          | 0.0000    | 0.0000    | 0.0000 |     | 0.0000 |

**4.2 Trip Summary Information**

|                            | Average Daily Trip Rate |          |        | Unmitigated | Mitigated  |
|----------------------------|-------------------------|----------|--------|-------------|------------|
| Land Use                   | Weekday                 | Saturday | Sunday | Annual VMT  | Annual VMT |
| Other Non-Asphalt Surfaces | 0.00                    | 0.00     | 0.00   |             |            |
| Total                      | 0.00                    | 0.00     | 0.00   |             |            |

**4.3 Trip Type Information**

|                            | Miles      |            |             | Trip %     |            |             | Trip Purpose % |          |         |
|----------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
| Land Use                   | 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 |
| Other Non-Asphalt Surfaces | 16.60      | 8.40       | 6.90        | 0.00       | 0.00       | 0.00        | 0              | 0        | 0       |

**4.4 Fleet Mix**

| Land Use                   | LDA      | LDT1     | LDT2     | MDV      | LHD1     | LHD2     | MHD      | HHD      | OBUS     | UBUS     | MCY      | SBUS     | MH       |
|----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Other Non-Asphalt Surfaces | 0.545527 | 0.036856 | 0.186032 | 0.115338 | 0.015222 | 0.004970 | 0.017525 | 0.069528 | 0.001397 | 0.001160 | 0.004547 | 0.000932 | 0.000965 |

## Septic-to-Sewer Conversion Capital Improvements - Riverside-Salton Sea County, Summer

**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   | 0.0000 | 0.0000 | 0.0000 | 0.0000 |               | 0.0000       | 0.0000     |                | 0.0000        | 0.0000      |          | 0.0000    | 0.0000    | 0.0000 | 0.0000 | 0.0000 |
| NaturalGas Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 |               | 0.0000       | 0.0000     |                | 0.0000        | 0.0000      |          | 0.0000    | 0.0000    | 0.0000 | 0.0000 | 0.0000 |

## Septic-to-Sewer Conversion Capital Improvements - Riverside-Salton Sea County, Summer

**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   |               |               |               |               |               |
| Other Non-Asphalt Surfaces | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000        |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b>               |                | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |               | <b>0.0000</b> | <b>0.0000</b> |                | <b>0.0000</b> | <b>0.0000</b> |          | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

**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   |               |               |               |               |               |
| Other Non-Asphalt Surfaces | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000        |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b>               |                | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |               | <b>0.0000</b> | <b>0.0000</b> |                | <b>0.0000</b> | <b>0.0000</b> |          | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

**6.0 Area Detail****6.1 Mitigation Measures Area**

## Septic-to-Sewer Conversion Capital Improvements - Riverside-Salton Sea County, Summer

|             | ROG    | NOx         | CO     | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4         | N2O | CO2e   |
|-------------|--------|-------------|--------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|--------|
| Category    | lb/day |             |        |        |               |              |             |                |               |             | lb/day   |           |           |             |     |        |
| Mitigated   | 0.2766 | 5.9000e-004 | 0.0643 | 0.0000 |               | 2.3000e-004  | 2.3000e-004 |                | 2.3000e-004   | 2.3000e-004 |          | 0.1376    | 0.1376    | 3.6000e-004 |     | 0.1467 |
| Unmitigated | 0.2766 | 5.9000e-004 | 0.0643 | 0.0000 |               | 2.3000e-004  | 2.3000e-004 |                | 2.3000e-004   | 2.3000e-004 |          | 0.1376    | 0.1376    | 3.6000e-004 |     | 0.1467 |

## 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 | 0.0479        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Consumer Products     | 0.2227        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Landscaping           | 5.9800e-003   | 5.9000e-004        | 0.0643        | 0.0000        |               | 2.3000e-004        | 2.3000e-004        |                | 2.3000e-004        | 2.3000e-004        |          | 0.1376        | 0.1376        | 3.6000e-004        |     | 0.1467        |
| <b>Total</b>          | <b>0.2766</b> | <b>5.9000e-004</b> | <b>0.0643</b> | <b>0.0000</b> |               | <b>2.3000e-004</b> | <b>2.3000e-004</b> |                | <b>2.3000e-004</b> | <b>2.3000e-004</b> |          | <b>0.1376</b> | <b>0.1376</b> | <b>3.6000e-004</b> |     | <b>0.1467</b> |

## Septic-to-Sewer Conversion Capital Improvements - Riverside-Salton Sea County, Summer

**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 | 0.0479        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Consumer Products     | 0.2227        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Landscaping           | 5.9800e-003   | 5.9000e-004        | 0.0643        | 0.0000        |               | 2.3000e-004        | 2.3000e-004        |                | 2.3000e-004        | 2.3000e-004        |          | 0.1376        | 0.1376        | 3.6000e-004        |     | 0.1467        |
| <b>Total</b>          | <b>0.2766</b> | <b>5.9000e-004</b> | <b>0.0643</b> | <b>0.0000</b> |               | <b>2.3000e-004</b> | <b>2.3000e-004</b> |                | <b>2.3000e-004</b> | <b>2.3000e-004</b> |          | <b>0.1376</b> | <b>0.1376</b> | <b>3.6000e-004</b> |     | <b>0.1467</b> |

**7.0 Water Detail****7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

**10.0 Stationary Equipment****Fire Pumps and Emergency Generators**

## Septic-to-Sewer Conversion Capital Improvements - Riverside-Salton Sea County, Summer

| 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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