

APPENDIX 3.2: AIR QUALITY CALEEMOD RUNS

Yreka Greenway Master Plan - Central Reach
Siskiyou County, Summer

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|----------------------------|------|---------------|-------------|--------------------|------------|
| Other Non-Asphalt Surfaces | 4.40 | Acre | 4.40 | 191,664.00 | 0 |
| Mobile Home Park | 2.00 | Dwelling Unit | 0.25 | 2,400.00 | 6 |
| Single Family Housing | 5.00 | Dwelling Unit | 1.62 | 9,000.00 | 14 |

1.2 Other Project Characteristics

| | | | | | |
|--------------------------------|------------|--------------------------------|-------|----------------------------------|-------|
| Urbanization | Rural | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 85 |
| Climate Zone | 14 | | | Operational Year | 2019 |
| Utility Company | PacifiCorp | | | | |
| CO2 Intensity (lb/MWhr) | 1656.39 | CH4 Intensity (lb/MWhr) | 0.029 | N2O Intensity (lb/MWhr) | 0.006 |

1.3 User Entered Comments & Non-Default Data

| | | | |
|---------------------------|----------------------------|------------|-----------|
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstructionPhase | NumDays | 230.00 | 7.00 |
| tblConstructionPhase | NumDays | 20.00 | 230.00 |
| tblConstructionPhase | PhaseEndDate | 12/25/2018 | 7/4/2018 |
| tblConstructionPhase | PhaseStartDate | 12/15/2018 | 6/26/2018 |
| tblGrading | MaterialExported | 0.00 | 89,000.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblProjectCharacteristics | OperationalYear | 2014 | 2019 |
| tblProjectCharacteristics | UrbanizationLevel | Urban | Rural |
| tblTripsAndVMT | HaulingTripLength | 20.00 | 10.00 |
| tblTripsAndVMT | HaulingTripLength | 20.00 | 5.00 |
| tblTripsAndVMT | HaulingTripLength | 20.00 | 5.00 |
| tblTripsAndVMT | HaulingTripNumber | 0.00 | 7.00 |
| tblTripsAndVMT | VendorTripNumber | 32.00 | 0.00 |
| tblTripsAndVMT | WorkerTripNumber | 84.00 | 15.00 |

2.0 Emissions Summary

2.2 Overall Operational**Unmitigated Operational**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|----------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|-----------------|-------------------|-------------------|---------------|---------------|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 16.3908 | 0.1521 | 13.7778 | 5.1900e-003 | | 1.8573 | 1.8573 | | 1.8572 | 1.8572 | 194.4021 | 82.5702 | 276.9724 | 0.1804 | 0.0153 | 285.5015 |
| Energy | 2.9300e-003 | 0.0250 | 0.0107 | 1.6000e-004 | | 2.0200e-003 | 2.0200e-003 | | 2.0200e-003 | 2.0200e-003 | | 31.9386 | 31.9386 | 6.1000e-004 | 5.9000e-004 | 32.1330 |
| Mobile | 0.5623 | 1.9540 | 5.8827 | 0.0108 | 0.4914 | 0.0319 | 0.5233 | 0.1324 | 0.0294 | 0.1618 | | 937.7180 | 937.7180 | 0.0308 | | 938.3645 |
| Total | 16.9560 | 2.1311 | 19.6712 | 0.0161 | 0.4914 | 1.8912 | 2.3826 | 0.1324 | 1.8886 | 2.0210 | 194.4021 | 1,052.2269 | 1,246.6290 | 0.2118 | 0.0159 | 1,255.9990 |

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 | 16.3908 | 0.1521 | 13.7778 | 5.1900e-003 | | 1.8573 | 1.8573 | | 1.8572 | 1.8572 | 194.4021 | 82.5702 | 276.9724 | 0.1804 | 0.0153 | 285.5015 |
| Energy | 2.9300e-003 | 0.0250 | 0.0107 | 1.6000e-004 | | 2.0200e-003 | 2.0200e-003 | | 2.0200e-003 | 2.0200e-003 | | 31.9386 | 31.9386 | 6.1000e-004 | 5.9000e-004 | 32.1330 |
| Mobile | 0.5623 | 1.9540 | 5.8827 | 0.0108 | 0.4914 | 0.0319 | 0.5233 | 0.1324 | 0.0294 | 0.1618 | | 937.7180 | 937.7180 | 0.0308 | | 938.3645 |
| Total | 16.9560 | 2.1311 | 19.6712 | 0.0161 | 0.4914 | 1.8912 | 2.3826 | 0.1324 | 1.8886 | 2.0210 | 194.4021 | 1,052.2269 | 1,246.6290 | 0.2118 | 0.0159 | 1,255.9990 |

| | ROG | NOx | CO | SO2 | 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 | Asphalt and Wall Removal | Demolition | 1/1/2018 | 1/26/2018 | 5 | 20 | |
| 2 | Creek Work | Grading | 1/27/2018 | 12/14/2018 | 5 | 230 | |
| 3 | Structure Movement | Building Construction | 6/26/2018 | 7/4/2018 | 5 | 7 | |

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 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|--------------------------|---------------------------|--------|-------------|-------------|-------------|
| Asphalt and Wall Removal | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Asphalt and Wall Removal | Excavators | 3 | 8.00 | 162 | 0.38 |
| Asphalt and Wall Removal | Rubber Tired Dozers | 2 | 8.00 | 255 | 0.40 |
| Creek Work | Excavators | 1 | 8.00 | 162 | 0.38 |
| Creek Work | Graders | 1 | 8.00 | 174 | 0.41 |
| Creek Work | Rollers | 1 | 8.00 | 80 | 0.38 |
| Creek Work | Rubber Tired Dozers | 1 | 8.00 | 255 | 0.40 |
| Creek Work | Rubber Tired Loaders | 1 | 8.00 | 199 | 0.36 |
| Creek Work | Tractors/Loaders/Backhoes | 3 | 8.00 | 97 | 0.37 |
| Structure Movement | Cranes | 1 | 7.00 | 226 | 0.29 |
| Structure Movement | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Structure Movement | Generator Sets | 0 | 8.00 | 84 | 0.74 |
| Structure Movement | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Structure Movement | Welders | 0 | 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 |
|--------------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Asphalt and Wall Removal | 6 | 15.00 | 0.00 | 159.00 | 16.80 | 6.60 | 10.00 | LD_Mix | HDT_Mix | HHDT |
| Creek Work | 8 | 20.00 | 0.00 | 11,125.00 | 16.80 | 6.60 | 5.00 | LD_Mix | HDT_Mix | HHDT |
| Structure Movement | 7 | 15.00 | 0.00 | 7.00 | 16.80 | 6.60 | 5.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Asphalt and Wall Removal - 2018

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 | | | | | 1.7226 | 0.0000 | 1.7226 | 0.2608 | 0.0000 | 0.2608 | | | 0.0000 | | | | 0.0000 |
| Off-Road | 3.5606 | 36.8310 | 31.7250 | 0.0399 | | 1.8090 | 1.8090 | | 1.6856 | 1.6856 | | 3,983.328 2 | 3,983.328 2 | 1.1015 | | | 4,006.458 5 |
| Total | 3.5606 | 36.8310 | 31.7250 | 0.0399 | 1.7226 | 1.8090 | 3.5316 | 0.2608 | 1.6856 | 1.9464 | | 3,983.328 2 | 3,983.328 2 | 1.1015 | | | 4,006.458 5 |

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 | 0.1795 | 0.7956 | 1.9394 | 3.0500e-003 | 0.0698 | 0.0141 | 0.0840 | 0.0192 | 0.0130 | 0.0322 | | 296.1116 | 296.1116 | 2.2600e-003 | | | 296.1591 |
| 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 | 0.1014 | 0.1394 | 1.4572 | 2.5400e-003 | 0.1916 | 2.1400e-003 | 0.1937 | 0.0508 | 1.9700e-003 | 0.0528 | | 192.4585 | 192.4585 | 0.0130 | | | 192.7314 |
| Total | 0.2809 | 0.9349 | 3.3966 | 5.5900e-003 | 0.2614 | 0.0163 | 0.2777 | 0.0700 | 0.0150 | 0.0849 | | 488.5701 | 488.5701 | 0.0153 | | | 488.8905 |

3.2 Asphalt and Wall Removal - 2018

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|-----|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 1.7226 | 0.0000 | 1.7226 | 0.2608 | 0.0000 | 0.2608 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.9478 | 18.7614 | 25.2649 | 0.0399 | | 0.8817 | 0.8817 | | 0.8817 | 0.8817 | 0.0000 | 3,983.328 2 | 3,983.328 2 | 1.1015 | | 4,006.458 5 |
| Total | 0.9478 | 18.7614 | 25.2649 | 0.0399 | 1.7226 | 0.8817 | 2.6043 | 0.2608 | 0.8817 | 1.1425 | 0.0000 | 3,983.328 2 | 3,983.328 2 | 1.1015 | | 4,006.458 5 |

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 | 0.1795 | 0.7956 | 1.9394 | 3.0500e-003 | 0.0698 | 0.0141 | 0.0840 | 0.0192 | 0.0130 | 0.0322 | | 296.1116 | 296.1116 | 2.2600e-003 | | 296.1591 |
| 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 | 0.1014 | 0.1394 | 1.4572 | 2.5400e-003 | 0.1916 | 2.1400e-003 | 0.1937 | 0.0508 | 1.9700e-003 | 0.0528 | | 192.4585 | 192.4585 | 0.0130 | | 192.7314 |
| Total | 0.2809 | 0.9349 | 3.3966 | 5.5900e-003 | 0.2614 | 0.0163 | 0.2777 | 0.0700 | 0.0150 | 0.0849 | | 488.5701 | 488.5701 | 0.0153 | | 488.8905 |

3.3 Creek Work - 2018

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 | | | | | 6.5961 | 0.0000 | 6.5961 | 3.3741 | 0.0000 | 3.3741 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.6821 | 38.7836 | 27.6355 | 0.0385 | | 2.0687 | 2.0687 | | 1.9032 | 1.9032 | | 3,873.4779 | 3,873.4779 | 1.2059 | | 3,898.8011 |
| Total | 3.6821 | 38.7836 | 27.6355 | 0.0385 | 6.5961 | 2.0687 | 8.6648 | 3.3741 | 1.9032 | 5.2773 | | 3,873.4779 | 3,873.4779 | 1.2059 | | 3,898.8011 |

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 | 0.9710 | 2.9426 | 11.1721 | 9.8200e-003 | 0.2129 | 0.0446 | 0.2575 | 0.0585 | 0.0409 | 0.0994 | | 944.6822 | 944.6822 | 8.2700e-003 | | 944.8558 |
| 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 | 0.1352 | 0.1858 | 1.9429 | 3.3900e-003 | 0.2555 | 2.8500e-003 | 0.2583 | 0.0678 | 2.6200e-003 | 0.0704 | | 256.6114 | 256.6114 | 0.0173 | | 256.9752 |
| Total | 1.1062 | 3.1284 | 13.1150 | 0.0132 | 0.4684 | 0.0475 | 0.5159 | 0.1262 | 0.0435 | 0.1698 | | 1,201.2935 | 1,201.2935 | 0.0256 | | 1,201.8311 |

3.3 Creek Work - 2018**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 | | | | | 6.5961 | 0.0000 | 6.5961 | 3.3741 | 0.0000 | 3.3741 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.9410 | 19.2152 | 25.6451 | 0.0385 | | 0.9996 | 0.9996 | | 0.9996 | 0.9996 | 0.0000 | 3,873.4779 | 3,873.4779 | 1.2059 | | 3,898.8011 |
| Total | 0.9410 | 19.2152 | 25.6451 | 0.0385 | 6.5961 | 0.9996 | 7.5957 | 3.3741 | 0.9996 | 4.3737 | 0.0000 | 3,873.4779 | 3,873.4779 | 1.2059 | | 3,898.8011 |

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 | 0.9710 | 2.9426 | 11.1721 | 9.8200e-003 | 0.2129 | 0.0446 | 0.2575 | 0.0585 | 0.0409 | 0.0994 | | 944.6822 | 944.6822 | 8.2700e-003 | | 944.8558 |
| 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 | 0.1352 | 0.1858 | 1.9429 | 3.3900e-003 | 0.2555 | 2.8500e-003 | 0.2583 | 0.0678 | 2.6200e-003 | 0.0704 | | 256.6114 | 256.6114 | 0.0173 | | 256.9752 |
| Total | 1.1062 | 3.1284 | 13.1150 | 0.0132 | 0.4684 | 0.0475 | 0.5159 | 0.1262 | 0.0435 | 0.1698 | | 1,201.2935 | 1,201.2935 | 0.0256 | | 1,201.8311 |

3.4 Structure Movement - 2018

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 | 1.7215 | 17.4655 | 11.9264 | 0.0177 | | 1.1187 | 1.1187 | | 1.0292 | 1.0292 | | 1,779.4267 | 1,779.4267 | 0.5540 | | 1,791.0598 |
| Total | 1.7215 | 17.4655 | 11.9264 | 0.0177 | | 1.1187 | 1.1187 | | 1.0292 | 1.0292 | | 1,779.4267 | 1,779.4267 | 0.5540 | | 1,791.0598 |

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 | 0.0201 | 0.0608 | 0.2310 | 2.0000e-004 | 4.4000e-003 | 9.2000e-004 | 5.3200e-003 | 1.2100e-003 | 8.5000e-004 | 2.0500e-003 | | 19.5305 | 19.5305 | 1.7000e-004 | | 19.5341 |
| 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 | 0.1014 | 0.1394 | 1.4572 | 2.5400e-003 | 0.1916 | 2.1400e-003 | 0.1937 | 0.0508 | 1.9700e-003 | 0.0528 | | 192.4585 | 192.4585 | 0.0130 | | 192.7314 |
| Total | 0.1215 | 0.2002 | 1.6882 | 2.7400e-003 | 0.1960 | 3.0600e-003 | 0.1991 | 0.0520 | 2.8200e-003 | 0.0548 | | 211.9891 | 211.9891 | 0.0132 | | 212.2655 |

3.4 Structure Movement - 2018

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 | 0.4338 | 9.4799 | 12.2624 | 0.0177 | | 0.5889 | 0.5889 | | 0.5889 | 0.5889 | 0.0000 | 1,779.4267 | 1,779.4267 | 0.5540 | | 1,791.0598 |
| Total | 0.4338 | 9.4799 | 12.2624 | 0.0177 | | 0.5889 | 0.5889 | | 0.5889 | 0.5889 | 0.0000 | 1,779.4267 | 1,779.4267 | 0.5540 | | 1,791.0598 |

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 | 0.0201 | 0.0608 | 0.2310 | 2.0000e-004 | 4.4000e-003 | 9.2000e-004 | 5.3200e-003 | 1.2100e-003 | 8.5000e-004 | 2.0500e-003 | | 19.5305 | 19.5305 | 1.7000e-004 | | 19.5341 |
| 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 | 0.1014 | 0.1394 | 1.4572 | 2.5400e-003 | 0.1916 | 2.1400e-003 | 0.1937 | 0.0508 | 1.9700e-003 | 0.0528 | | 192.4585 | 192.4585 | 0.0130 | | 192.7314 |
| Total | 0.1215 | 0.2002 | 1.6882 | 2.7400e-003 | 0.1960 | 3.0600e-003 | 0.1991 | 0.0520 | 2.8200e-003 | 0.0548 | | 211.9891 | 211.9891 | 0.0132 | | 212.2655 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|-----|----------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 0.5623 | 1.9540 | 5.8827 | 0.0108 | 0.4914 | 0.0319 | 0.5233 | 0.1324 | 0.0294 | 0.1618 | | 937.7180 | 937.7180 | 0.0308 | | 938.3645 |
| Unmitigated | 0.5623 | 1.9540 | 5.8827 | 0.0108 | 0.4914 | 0.0319 | 0.5233 | 0.1324 | 0.0294 | 0.1618 | | 937.7180 | 937.7180 | 0.0308 | | 938.3645 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|----------------------------|-------------------------|----------|--------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Mobile Home Park | 9.98 | 10.00 | 8.72 | 36,454 | 36,454 |
| Other Non-Asphalt Surfaces | 0.00 | 0.00 | 0.00 | | |
| Single Family Housing | 47.85 | 50.40 | 43.85 | 177,170 | 177,170 |
| Total | 57.83 | 60.40 | 52.57 | 213,624 | 213,624 |

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 |
| Mobile Home Park | 16.80 | 7.10 | 7.90 | 42.30 | 19.60 | 38.10 | 86 | 11 | 3 |
| Other Non-Asphalt Surfaces | 14.70 | 6.60 | 6.60 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Single Family Housing | 16.80 | 7.10 | 7.90 | 42.30 | 19.60 | 38.10 | 86 | 11 | 3 |

| LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 0.273089 | 0.095529 | 0.148893 | 0.135021 | 0.096902 | 0.010099 | 0.011919 | 0.212929 | 0.002437 | 0.001167 | 0.006120 | 0.001740 | 0.004155 |

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 | 2.9300e-003 | 0.0250 | 0.0107 | 1.6000e-004 | | 2.0200e-003 | 2.0200e-003 | | 2.0200e-003 | 2.0200e-003 | | 31.9386 | 31.9386 | 6.1000e-004 | 5.9000e-004 | 32.1330 |
| NaturalGas Unmitigated | 2.9300e-003 | 0.0250 | 0.0107 | 1.6000e-004 | | 2.0200e-003 | 2.0200e-003 | | 2.0200e-003 | 2.0200e-003 | | 31.9386 | 31.9386 | 6.1000e-004 | 5.9000e-004 | 32.1330 |

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 |
| Single Family Housing | 244.264 | 2.6300e-003 | 0.0225 | 9.5800e-003 | 1.4000e-004 | | 1.8200e-003 | 1.8200e-003 | | 1.8200e-003 | 1.8200e-003 | | 28.7370 | 28.7370 | 5.5000e-004 | 5.3000e-004 | 28.9119 |
| Mobile Home Park | 27.2139 | 2.9000e-004 | 2.5100e-003 | 1.0700e-003 | 2.0000e-005 | | 2.0000e-004 | 2.0000e-004 | | 2.0000e-004 | 2.0000e-004 | | 3.2016 | 3.2016 | 6.0000e-005 | 6.0000e-005 | 3.2211 |
| Total | | 2.9200e-003 | 0.0250 | 0.0107 | 1.6000e-004 | | 2.0200e-003 | 2.0200e-003 | | 2.0200e-003 | 2.0200e-003 | | 31.9386 | 31.9386 | 6.1000e-004 | 5.9000e-004 | 32.1330 |

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 |
| Single Family Housing | 0.244264 | 2.6300e-003 | 0.0225 | 9.5800e-003 | 1.4000e-004 | | 1.8200e-003 | 1.8200e-003 | | 1.8200e-003 | 1.8200e-003 | | 28.7370 | 28.7370 | 5.5000e-004 | 5.3000e-004 | 28.9119 |
| Mobile Home Park | 0.0272139 | 2.9000e-004 | 2.5100e-003 | 1.0700e-003 | 2.0000e-005 | | 2.0000e-004 | 2.0000e-004 | | 2.0000e-004 | 2.0000e-004 | | 3.2016 | 3.2016 | 6.0000e-005 | 6.0000e-005 | 3.2211 |
| Total | | 2.9200e-003 | 0.0250 | 0.0107 | 1.6000e-004 | | 2.0200e-003 | 2.0200e-003 | | 2.0200e-003 | 2.0200e-003 | | 31.9386 | 31.9386 | 6.1000e-004 | 5.9000e-004 | 32.1330 |

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 | 16.3908 | 0.1521 | 13.7778 | 5.1900e-003 | | 1.8573 | 1.8573 | | 1.8572 | 1.8572 | 194.4021 | 82.5702 | 276.9724 | 0.1804 | 0.0153 | 285.5015 |
| Unmitigated | 16.3908 | 0.1521 | 13.7778 | 5.1900e-003 | | 1.8573 | 1.8573 | | 1.8572 | 1.8572 | 194.4021 | 82.5702 | 276.9724 | 0.1804 | 0.0153 | 285.5015 |

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 | 1.3147 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 4.3456 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Hearth | 10.7128 | 0.1453 | 13.1970 | 5.1500e-003 | | 1.8541 | 1.8541 | | 1.8540 | 1.8540 | 194.4021 | 81.5294 | 275.9315 | 0.1794 | 0.0153 | 284.4392 |
| Landscaping | 0.0178 | 6.7300e-003 | 0.5808 | 3.0000e-005 | | 3.1800e-003 | 3.1800e-003 | | 3.1800e-003 | 3.1800e-003 | | 1.0408 | 1.0408 | 1.0200e-003 | | 1.0623 |
| Total | 16.3908 | 0.1521 | 13.7778 | 5.1800e-003 | | 1.8573 | 1.8573 | | 1.8572 | 1.8572 | 194.4021 | 82.5702 | 276.9724 | 0.1804 | 0.0153 | 285.5015 |

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 | 1.3147 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 4.3456 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Hearth | 10.7128 | 0.1453 | 13.1970 | 5.1500e-003 | | 1.8541 | 1.8541 | | 1.8540 | 1.8540 | 194.4021 | 81.5294 | 275.9315 | 0.1794 | 0.0153 | 284.4392 |
| Landscaping | 0.0178 | 6.7300e-003 | 0.5808 | 3.0000e-005 | | 3.1800e-003 | 3.1800e-003 | | 3.1800e-003 | 3.1800e-003 | | 1.0408 | 1.0408 | 1.0200e-003 | | 1.0623 |
| Total | 16.3908 | 0.1521 | 13.7778 | 5.1800e-003 | | 1.8573 | 1.8573 | | 1.8572 | 1.8572 | 194.4021 | 82.5702 | 276.9724 | 0.1804 | 0.0153 | 285.5015 |

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 Vegetation

Yreka Greenway Master Plan - Central Reach (New Roads & Parking Lot)

Siskiyou County, Summer

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|------------------------|-------|----------|-------------|--------------------|------------|
| Other Asphalt Surfaces | 11.37 | 1000sqft | 0.26 | 11,370.00 | 0 |
| Other Asphalt Surfaces | 34.85 | Acre | 34.85 | 1,518,066.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|---------------------------------|------------|---------------------------------|-------|----------------------------------|-------|
| Urbanization | Rural | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 85 |
| Climate Zone | 14 | | | Operational Year | 2019 |
| Utility Company | PacifiCorp | | | | |
| CO2 Intensity (lb/MW hr) | 1656.39 | CH4 Intensity (lb/MW hr) | 0.029 | N2O Intensity (lb/MW hr) | 0.006 |

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Construction Off-road Equipment Mitigation - Tier 3 engines assumed

| Table Name | Column Name | Default Value | New Value |
|---------------------------|----------------------------|---------------|-----------|
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 4.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 6.00 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblProjectCharacteristics | OperationalYear | 2014 | 2019 |
| tblProjectCharacteristics | UrbanizationLevel | Urban | Rural |

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|----------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|---------------|---------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 42.4413 | 4.0000e-005 | 4.7700e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | | 0.0101 | 0.0101 | 3.0000e-005 | | 0.0107 |
| 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 |
| Total | 42.4413 | 4.0000e-005 | 4.7700e-003 | 0.0000 | 0.0000 | 2.0000e-005 | 2.0000e-005 | 0.0000 | 2.0000e-005 | 2.0000e-005 | | 0.0101 | 0.0101 | 3.0000e-005 | 0.0000 | 0.0107 |

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 | 42.4413 | 4.0000e-005 | 4.7700e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | | 0.0101 | 0.0101 | 3.0000e-005 | | 0.0107 |
| 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 |
| Total | 42.4413 | 4.0000e-005 | 4.7700e-003 | 0.0000 | 0.0000 | 2.0000e-005 | 2.0000e-005 | 0.0000 | 2.0000e-005 | 2.0000e-005 | | 0.0101 | 0.0101 | 3.0000e-005 | 0.0000 | 0.0107 |

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

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|------------------|------------------|------------|-----------|---------------|----------|-------------------|
| 1 | Site Preparation | Site Preparation | 1/1/2018 | 2/9/2018 | 5 | 30 | |
| 2 | Grading | Grading | 2/10/2018 | 5/25/2018 | 5 | 75 | |
| 3 | Paving | Paving | 5/26/2018 | 8/10/2018 | 5 | 55 | |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 187.5

Acres of Paving: 0

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

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|------------------|---------------------------|--------|-------------|-------------|-------------|
| Site Preparation | Rubber Tired Dozers | 3 | 8.00 | 255 | 0.40 |
| Site Preparation | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 |
| Grading | Excavators | 2 | 8.00 | 162 | 0.38 |
| Grading | Graders | 1 | 8.00 | 174 | 0.41 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 255 | 0.40 |
| Grading | Scrapers | 2 | 8.00 | 361 | 0.48 |
| Grading | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Paving | Pavers | 2 | 8.00 | 125 | 0.42 |
| Paving | Paving Equipment | 2 | 8.00 | 130 | 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 | 7 | 18.00 | 0.00 | 0.00 | 16.80 | 6.60 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 8 | 20.00 | 0.00 | 0.00 | 16.80 | 6.60 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 6 | 15.00 | 0.00 | 0.00 | 16.80 | 6.60 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Site Preparation - 2018

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 | | | | | 18.0663 | 0.0000 | 18.0663 | 9.9307 | 0.0000 | 9.9307 | | | 0.0000 | | | 0.0000 |
| Off-Road | 4.2921 | 45.6088 | 36.2346 | 0.0391 | | 2.3654 | 2.3654 | | 2.1762 | 2.1762 | | 3,939.773 1 | 3,939.773 1 | 1.2265 | | 3,965.529 7 |
| Total | 4.2921 | 45.6088 | 36.2346 | 0.0391 | 18.0663 | 2.3654 | 20.4317 | 9.9307 | 2.1762 | 12.1069 | | 3,939.773 1 | 3,939.773 1 | 1.2265 | | 3,965.529 7 |

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 | 0.1217 | 0.1672 | 1.7486 | 3.0500e-003 | 0.2299 | 2.5600e-003 | 0.2325 | 0.0610 | 2.3600e-003 | 0.0633 | | 230.9503 | 230.9503 | 0.0156 | | 231.2777 |
| Total | 0.1217 | 0.1672 | 1.7486 | 3.0500e-003 | 0.2299 | 2.5600e-003 | 0.2325 | 0.0610 | 2.3600e-003 | 0.0633 | | 230.9503 | 230.9503 | 0.0156 | | 231.2777 |

3.2 Site Preparation - 2018

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 | | | | | 18.0663 | 0.0000 | 18.0663 | 9.9307 | 0.0000 | 9.9307 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.9515 | 19.4584 | 23.4003 | 0.0391 | | 0.9611 | 0.9611 | | 0.9611 | 0.9611 | 0.0000 | 3,939.773 1 | 3,939.773 1 | 1.2265 | | 3,965.529 7 |
| Total | 0.9515 | 19.4584 | 23.4003 | 0.0391 | 18.0663 | 0.9611 | 19.0273 | 9.9307 | 0.9611 | 10.8918 | 0.0000 | 3,939.773 1 | 3,939.773 1 | 1.2265 | | 3,965.529 7 |

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 | 0.1217 | 0.1672 | 1.7486 | 3.0500e-003 | 0.2299 | 2.5600e-003 | 0.2325 | 0.0610 | 2.3600e-003 | 0.0633 | | 230.9503 | 230.9503 | 0.0156 | | 231.2777 |
| Total | 0.1217 | 0.1672 | 1.7486 | 3.0500e-003 | 0.2299 | 2.5600e-003 | 0.2325 | 0.0610 | 2.3600e-003 | 0.0633 | | 230.9503 | 230.9503 | 0.0156 | | 231.2777 |

3.3 Grading - 2018

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 | 5.2895 | 59.5338 | 42.3068 | 0.0617 | | 2.7880 | 2.7880 | | 2.5650 | 2.5650 | | 6,212.8042 | 6,212.8042 | 1.9341 | | 6,253.4209 |
| Total | 5.2895 | 59.5338 | 42.3068 | 0.0617 | 8.6733 | 2.7880 | 11.4614 | 3.5965 | 2.5650 | 6.1615 | | 6,212.8042 | 6,212.8042 | 1.9341 | | 6,253.4209 |

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 | 0.1352 | 0.1858 | 1.9429 | 3.3900e-003 | 0.2555 | 2.8500e-003 | 0.2583 | 0.0678 | 2.6200e-003 | 0.0704 | | 256.6114 | 256.6114 | 0.0173 | | 256.9752 |
| Total | 0.1352 | 0.1858 | 1.9429 | 3.3900e-003 | 0.2555 | 2.8500e-003 | 0.2583 | 0.0678 | 2.6200e-003 | 0.0704 | | 256.6114 | 256.6114 | 0.0173 | | 256.9752 |

3.3 Grading - 2018

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|-----|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 8.6733 | 0.0000 | 8.6733 | 3.5965 | 0.0000 | 3.5965 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.5128 | 29.7798 | 37.9432 | 0.0617 | | 1.3234 | 1.3234 | | 1.3234 | 1.3234 | 0.0000 | 6,212.804 1 | 6,212.804 1 | 1.9341 | | 6,253.420 9 |
| Total | 1.5128 | 29.7798 | 37.9432 | 0.0617 | 8.6733 | 1.3234 | 9.9967 | 3.5965 | 1.3234 | 4.9199 | 0.0000 | 6,212.804 1 | 6,212.804 1 | 1.9341 | | 6,253.420 9 |

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 | 0.1352 | 0.1858 | 1.9429 | 3.3900e-003 | 0.2555 | 2.8500e-003 | 0.2583 | 0.0678 | 2.6200e-003 | 0.0704 | | 256.6114 | 256.6114 | 0.0173 | | 256.9752 |
| Total | 0.1352 | 0.1858 | 1.9429 | 3.3900e-003 | 0.2555 | 2.8500e-003 | 0.2583 | 0.0678 | 2.6200e-003 | 0.0704 | | 256.6114 | 256.6114 | 0.0173 | | 256.9752 |

3.4 Paving - 2018

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 | 1.6114 | 17.1628 | 14.4944 | 0.0223 | | 0.9386 | 0.9386 | | 0.8635 | 0.8635 | | 2,245.2695 | 2,245.2695 | 0.6990 | | 2,259.9481 |
| Paving | 1.6725 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 3.2839 | 17.1628 | 14.4944 | 0.0223 | | 0.9386 | 0.9386 | | 0.8635 | 0.8635 | | 2,245.2695 | 2,245.2695 | 0.6990 | | 2,259.9481 |

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 | 0.1014 | 0.1394 | 1.4572 | 2.5400e-003 | 0.1916 | 2.1400e-003 | 0.1937 | 0.0508 | 1.9700e-003 | 0.0528 | | 192.4585 | 192.4585 | 0.0130 | | 192.7314 |
| Total | 0.1014 | 0.1394 | 1.4572 | 2.5400e-003 | 0.1916 | 2.1400e-003 | 0.1937 | 0.0508 | 1.9700e-003 | 0.0528 | | 192.4585 | 192.4585 | 0.0130 | | 192.7314 |

3.4 Paving - 2018

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 | 0.5490 | 11.0645 | 16.9276 | 0.0223 | | 0.5982 | 0.5982 | | 0.5982 | 0.5982 | 0.0000 | 2,245.2695 | 2,245.2695 | 0.6990 | | 2,259.9481 |
| Paving | 1.6725 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 2.2215 | 11.0645 | 16.9276 | 0.0223 | | 0.5982 | 0.5982 | | 0.5982 | 0.5982 | 0.0000 | 2,245.2695 | 2,245.2695 | 0.6990 | | 2,259.9481 |

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 | 0.1014 | 0.1394 | 1.4572 | 2.5400e-003 | 0.1916 | 2.1400e-003 | 0.1937 | 0.0508 | 1.9700e-003 | 0.0528 | | 192.4585 | 192.4585 | 0.0130 | | 192.7314 |
| Total | 0.1014 | 0.1394 | 1.4572 | 2.5400e-003 | 0.1916 | 2.1400e-003 | 0.1937 | 0.0508 | 1.9700e-003 | 0.0528 | | 192.4585 | 192.4585 | 0.0130 | | 192.7314 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|-----|--------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 0.0000 | 0.0000 | 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 Asphalt Surfaces | 0.00 | 0.00 | 0.00 | | |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | | |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | | |
| Other 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 Asphalt Surfaces | 14.70 | 6.60 | 6.60 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Other Asphalt Surfaces | 14.70 | 6.60 | 6.60 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Other Asphalt Surfaces | 14.70 | 6.60 | 6.60 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Other Asphalt Surfaces | 14.70 | 6.60 | 6.60 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |

| LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 0.273089 | 0.095529 | 0.148893 | 0.135021 | 0.096902 | 0.010099 | 0.011919 | 0.212929 | 0.002437 | 0.001167 | 0.006120 | 0.001740 | 0.004155 |

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|--------|
| | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 0.0000 | 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 | | | | | |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

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 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 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

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 | 42.4413 | 4.0000e-005 | 4.7700e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | | 0.0101 | 0.0101 | 3.0000e-005 | | 0.0107 |
| Unmitigated | 42.4413 | 4.0000e-005 | 4.7700e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | | 0.0101 | 0.0101 | 3.0000e-005 | | 0.0107 |

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 | 9.7109 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 32.7299 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 4.5000e-004 | 4.0000e-005 | 4.7700e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | | 0.0101 | 0.0101 | 3.0000e-005 | | 0.0107 |
| Total | 42.4413 | 4.0000e-005 | 4.7700e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | | 0.0101 | 0.0101 | 3.0000e-005 | | 0.0107 |

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 | 9.7109 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 32.7299 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 4.5000e-004 | 4.0000e-005 | 4.7700e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | | 0.0101 | 0.0101 | 3.0000e-005 | | 0.0107 |
| Total | 42.4413 | 4.0000e-005 | 4.7700e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | | 0.0101 | 0.0101 | 3.0000e-005 | | 0.0107 |

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 Vegetation

Yreka Greenway Master Plan - North Reach

Siskiyou County, Summer

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|----------------------------|-------|---------------|-------------|--------------------|------------|
| Other Non-Asphalt Surfaces | 13.40 | Acre | 13.40 | 583,704.00 | 0 |
| Mobile Home Park | 2.00 | Dwelling Unit | 0.25 | 2,400.00 | 6 |

1.2 Other Project Characteristics

| | | | | | |
|---------------------------------|------------|---------------------------------|-------|----------------------------------|-------|
| Urbanization | Rural | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 85 |
| Climate Zone | 14 | | | Operational Year | 2020 |
| Utility Company | PacifiCorp | | | | |
| CO2 Intensity (lb/MW hr) | 1656.39 | CH4 Intensity (lb/MW hr) | 0.029 | N2O Intensity (lb/MW hr) | 0.006 |

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Residential units = structures moved. (Mobile homes = sheds, outbuildings, or storage yards)

Construction Phase - Includes creek work and structure movement

Off-road Equipment - Structure movement

Trips and VMT - No vendor trips during Structure Movement

Grading -

Construction Off-road Equipment Mitigation - Tier 3 engines assumed

| Table Name | Column Name | Default Value | New Value |
|---------------------------|----------------------------|---------------|-----------|
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 3.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 5.00 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstructionPhase | NumDays | 300.00 | 2.00 |
| tblConstructionPhase | NumDays | 30.00 | 300.00 |
| tblConstructionPhase | PhaseEndDate | 4/8/2020 | 5/28/2019 |
| tblConstructionPhase | PhaseStartDate | 4/7/2020 | 5/25/2019 |
| tblGrading | MaterialExported | 0.00 | 89,450.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblProjectCharacteristics | OperationalYear | 2014 | 2020 |
| tblProjectCharacteristics | UrbanizationLevel | Urban | Rural |
| tblTripsAndVMT | HaulingTripLength | 20.00 | 5.00 |
| tblTripsAndVMT | HaulingTripLength | 20.00 | 5.00 |
| tblTripsAndVMT | VendorTripNumber | 96.00 | 0.00 |
| tblTripsAndVMT | WorkerTripNumber | 247.00 | 15.00 |

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|----------------|-----------------|-----------------|---------------|----------------|---------------|----------------|----------------|---------------|----------------|---------------|-------------------------|-------------------------|---------------|---------------|-------------------------|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2019 | 7.2204 | 72.1661 | 62.1666 | 0.0928 | 9.3550 | 3.5024 | 12.8573 | 3.7743 | 3.2221 | 6.9964 | 0.0000 | 9,008.655 5 | 9,008.655 5 | 2.5214 | 0.0000 | 9,061.605 4 |
| 2020 | 5.1879 | 51.4631 | 46.6478 | 0.0726 | 9.5390 | 2.2969 | 11.8358 | 3.8157 | 2.1131 | 5.9287 | 0.0000 | 6,912.836 6 | 6,912.836 6 | 1.9544 | 0.0000 | 6,953.878 1 |
| Total | 12.4082 | 123.6291 | 108.8144 | 0.1654 | 18.8940 | 5.7992 | 24.6932 | 7.5899 | 5.3352 | 12.9251 | 0.0000 | 15,921.49 21 | 15,921.49 21 | 4.4758 | 0.0000 | 16,015.48 35 |

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 | | | | | |
| 2019 | 2.7533 | 41.6651 | 60.4933 | 0.0928 | 9.3550 | 1.9502 | 11.3051 | 3.7743 | 1.9471 | 5.7213 | 0.0000 | 9,008.655 5 | 9,008.655 5 | 2.5214 | 0.0000 | 9,061.605 4 |
| 2020 | 2.1506 | 31.8589 | 46.1653 | 0.0726 | 9.5390 | 1.3583 | 10.8973 | 3.8157 | 1.3555 | 5.1711 | 0.0000 | 6,912.836 6 | 6,912.836 6 | 1.9544 | 0.0000 | 6,953.878 1 |
| Total | 4.9039 | 73.5239 | 106.6586 | 0.1654 | 18.8940 | 3.3085 | 22.2024 | 7.5899 | 3.3026 | 10.8925 | 0.0000 | 15,921.49 21 | 15,921.49 21 | 4.4758 | 0.0000 | 16,015.48 35 |

| | ROG | NOx | CO | SO2 | 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 | 60.48 | 40.53 | 1.98 | 0.00 | 0.00 | 42.95 | 10.09 | 0.00 | 38.10 | 15.73 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

2.2 Overall Operational

Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------------|-----------------|-----------------|---------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 19.3353 | 0.0435 | 3.9375 | 1.4800e-003 | | 0.5307 | 0.5307 | | 0.5306 | 0.5306 | 55.5435 | 23.5942 | 79.1376 | 0.0516 | 4.3700e-003 | 81.5746 |
| Energy | 2.9000e-004 | 2.5100e-003 | 1.0700e-003 | 2.0000e-005 | | 2.0000e-004 | 2.0000e-004 | | 2.0000e-004 | 2.0000e-004 | | 3.2016 | 3.2016 | 6.0000e-005 | 6.0000e-005 | 3.2211 |
| Mobile | 0.0852 | 0.2942 | 0.8933 | 1.7900e-003 | 0.0814 | 5.1400e-003 | 0.0865 | 0.0219 | 4.7300e-003 | 0.0267 | | 151.5811 | 151.5811 | 4.7700e-003 | | 151.6812 |
| Total | 19.4208 | 0.3401 | 4.8319 | 3.2900e-003 | 0.0814 | 0.5360 | 0.6174 | 0.0219 | 0.5356 | 0.5575 | 55.5435 | 178.3768 | 233.9203 | 0.0564 | 4.4300e-003 | 236.4769 |

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 | 19.3353 | 0.0435 | 3.9375 | 1.4800e-003 | | 0.5307 | 0.5307 | | 0.5306 | 0.5306 | 55.5435 | 23.5942 | 79.1376 | 0.0516 | 4.3700e-003 | 81.5746 |
| Energy | 2.9000e-004 | 2.5100e-003 | 1.0700e-003 | 2.0000e-005 | | 2.0000e-004 | 2.0000e-004 | | 2.0000e-004 | 2.0000e-004 | | 3.2016 | 3.2016 | 6.0000e-005 | 6.0000e-005 | 3.2211 |
| Mobile | 0.0852 | 0.2942 | 0.8933 | 1.7900e-003 | 0.0814 | 5.1400e-003 | 0.0865 | 0.0219 | 4.7300e-003 | 0.0267 | | 151.5811 | 151.5811 | 4.7700e-003 | | 151.6812 |
| Total | 19.4208 | 0.3401 | 4.8319 | 3.2900e-003 | 0.0814 | 0.5360 | 0.6174 | 0.0219 | 0.5356 | 0.5575 | 55.5435 | 178.3768 | 233.9203 | 0.0564 | 4.4300e-003 | 236.4769 |

| | ROG | NOx | CO | SO2 | 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 | Creek Work | Grading | 2/12/2019 | 4/6/2020 | 5 | 300 | |
| 2 | Structure Movement | Building Construction | 5/25/2019 | 5/28/2019 | 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 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|--------------------|---------------------------|--------|-------------|-------------|-------------|
| Creek Work | Excavators | 2 | 8.00 | 162 | 0.38 |
| Creek Work | Graders | 1 | 8.00 | 174 | 0.41 |
| Creek Work | Rubber Tired Dozers | 1 | 8.00 | 255 | 0.40 |
| Creek Work | Scrapers | 2 | 8.00 | 361 | 0.48 |
| Creek Work | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Structure Movement | Cranes | 1 | 7.00 | 226 | 0.29 |
| Structure Movement | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Structure Movement | Generator Sets | 0 | 8.00 | 84 | 0.74 |
| Structure Movement | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Structure Movement | Welders | 0 | 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 |
|--------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Creek Work | 8 | 20.00 | 0.00 | 11,181.00 | 16.80 | 6.60 | 5.00 | LD_Mix | HDT_Mix | HHDT |
| Structure Movement | 7 | 15.00 | 0.00 | 0.00 | 16.80 | 6.60 | 5.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Creek Work - 2019

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 | | | | | 8.7071 | 0.0000 | 8.7071 | 3.6016 | 0.0000 | 3.6016 | | | 0.0000 | | | 0.0000 |
| Off-Road | 4.8912 | 54.1978 | 40.2888 | 0.0617 | | 2.5049 | 2.5049 | | 2.3045 | 2.3045 | | 6,111.312 1 | 6,111.312 1 | 1.9336 | | 6,151.916 7 |
| Total | 4.8912 | 54.1978 | 40.2888 | 0.0617 | 8.7071 | 2.5049 | 11.2120 | 3.6016 | 2.3045 | 5.9061 | | 6,111.312 1 | 6,111.312 1 | 1.9336 | | 6,151.916 7 |

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 | 0.5985 | 2.1143 | 7.2668 | 7.5200e-003 | 0.2008 | 0.0332 | 0.2340 | 0.0541 | 0.0305 | 0.0846 | | 714.0809 | 714.0809 | 6.3200e-003 | | 714.2135 |
| 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 | 0.1190 | 0.1663 | 1.7263 | 3.3800e-003 | 0.2555 | 2.7100e-003 | 0.2582 | 0.0678 | 2.5000e-003 | 0.0703 | | 247.4361 | 247.4361 | 0.0159 | | 247.7695 |
| Total | 0.7175 | 2.2807 | 8.9930 | 0.0109 | 0.4563 | 0.0359 | 0.4922 | 0.1219 | 0.0330 | 0.1548 | | 961.5169 | 961.5169 | 0.0222 | | 961.9831 |

3.2 Creek Work - 2019

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|-----|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 8.7071 | 0.0000 | 8.7071 | 3.6016 | 0.0000 | 3.6016 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.5128 | 29.7798 | 37.9432 | 0.0617 | | 1.3234 | 1.3234 | | 1.3234 | 1.3234 | 0.0000 | 6,111.312 1 | 6,111.312 1 | 1.9336 | | 6,151.916 7 |
| Total | 1.5128 | 29.7798 | 37.9432 | 0.0617 | 8.7071 | 1.3234 | 10.0304 | 3.6016 | 1.3234 | 4.9250 | 0.0000 | 6,111.312 1 | 6,111.312 1 | 1.9336 | | 6,151.916 7 |

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 | 0.5985 | 2.1143 | 7.2668 | 7.5200e-003 | 0.2008 | 0.0332 | 0.2340 | 0.0541 | 0.0305 | 0.0846 | | 714.0809 | 714.0809 | 6.3200e-003 | | 714.2135 |
| 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 | 0.1190 | 0.1663 | 1.7263 | 3.3800e-003 | 0.2555 | 2.7100e-003 | 0.2582 | 0.0678 | 2.5000e-003 | 0.0703 | | 247.4361 | 247.4361 | 0.0159 | | 247.7695 |
| Total | 0.7175 | 2.2807 | 8.9930 | 0.0109 | 0.4563 | 0.0359 | 0.4922 | 0.1219 | 0.0330 | 0.1548 | | 961.5169 | 961.5169 | 0.0222 | | 961.9831 |

3.2 Creek Work - 2020

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 | | | | | 8.7071 | 0.0000 | 8.7071 | 3.6016 | 0.0000 | 3.6016 | | | 0.0000 | | | 0.0000 |
| Off-Road | 4.5501 | 49.3839 | 38.4257 | 0.0617 | | 2.2619 | 2.2619 | | 2.0810 | 2.0810 | | 5,977.7088 | 5,977.7088 | 1.9333 | | 6,018.3084 |
| Total | 4.5501 | 49.3839 | 38.4257 | 0.0617 | 8.7071 | 2.2619 | 10.9690 | 3.6016 | 2.0810 | 5.6826 | | 5,977.7088 | 5,977.7088 | 1.9333 | | 6,018.3084 |

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 | 0.5311 | 1.9285 | 6.6729 | 7.5000e-003 | 0.5765 | 0.0323 | 0.6088 | 0.1463 | 0.0297 | 0.1760 | | 697.4210 | 697.4210 | 6.2900e-003 | | 697.5530 |
| 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 | 0.1067 | 0.1506 | 1.5492 | 3.3800e-003 | 0.2555 | 2.6000e-003 | 0.2581 | 0.0678 | 2.4100e-003 | 0.0702 | | 237.7067 | 237.7067 | 0.0148 | | 238.0167 |
| Total | 0.6377 | 2.0791 | 8.2221 | 0.0109 | 0.8319 | 0.0349 | 0.8668 | 0.2141 | 0.0321 | 0.2461 | | 935.1277 | 935.1277 | 0.0211 | | 935.5697 |

3.2 Creek Work - 2020

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 8.7071 | 0.0000 | 8.7071 | 3.6016 | 0.0000 | 3.6016 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.5128 | 29.7798 | 37.9432 | 0.0617 | | 1.3234 | 1.3234 | | 1.3234 | 1.3234 | 0.0000 | 5,977.7088 | 5,977.7088 | 1.9333 | | 6,018.3084 |
| Total | 1.5128 | 29.7798 | 37.9432 | 0.0617 | 8.7071 | 1.3234 | 10.0304 | 3.6016 | 1.3234 | 4.9250 | 0.0000 | 5,977.7088 | 5,977.7088 | 1.9333 | | 6,018.3084 |

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 | 0.5311 | 1.9285 | 6.6729 | 7.5000e-003 | 0.5765 | 0.0323 | 0.6088 | 0.1463 | 0.0297 | 0.1760 | | 697.4210 | 697.4210 | 6.2900e-003 | | 697.5530 |
| 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 | 0.1067 | 0.1506 | 1.5492 | 3.3800e-003 | 0.2555 | 2.6000e-003 | 0.2581 | 0.0678 | 2.4100e-003 | 0.0702 | | 237.7067 | 237.7067 | 0.0148 | | 238.0167 |
| Total | 0.6377 | 2.0791 | 8.2221 | 0.0109 | 0.8319 | 0.0349 | 0.8668 | 0.2141 | 0.0321 | 0.2461 | | 935.1277 | 935.1277 | 0.0211 | | 935.5697 |

3.3 Structure Movement - 2019

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 | 1.5225 | 15.5629 | 11.5901 | 0.0177 | | 0.9595 | 0.9595 | | 0.8828 | 0.8828 | | 1,750.2495 | 1,750.2495 | 0.5538 | | 1,761.8784 |
| Total | 1.5225 | 15.5629 | 11.5901 | 0.0177 | | 0.9595 | 0.9595 | | 0.8828 | 0.8828 | | 1,750.2495 | 1,750.2495 | 0.5538 | | 1,761.8784 |

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 | 0.0892 | 0.1248 | 1.2947 | 2.5400e-003 | 0.1916 | 2.0300e-003 | 0.1936 | 0.0508 | 1.8800e-003 | 0.0527 | | 185.5770 | 185.5770 | 0.0119 | | 185.8272 |
| Total | 0.0892 | 0.1248 | 1.2947 | 2.5400e-003 | 0.1916 | 2.0300e-003 | 0.1936 | 0.0508 | 1.8800e-003 | 0.0527 | | 185.5770 | 185.5770 | 0.0119 | | 185.8272 |

3.3 Structure Movement - 2019

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 | 0.4338 | 9.4799 | 12.2624 | 0.0177 | | 0.5889 | 0.5889 | | 0.5889 | 0.5889 | 0.0000 | 1,750.2495 | 1,750.2495 | 0.5538 | | 1,761.8784 |
| Total | 0.4338 | 9.4799 | 12.2624 | 0.0177 | | 0.5889 | 0.5889 | | 0.5889 | 0.5889 | 0.0000 | 1,750.2495 | 1,750.2495 | 0.5538 | | 1,761.8784 |

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 | 0.0892 | 0.1248 | 1.2947 | 2.5400e-003 | 0.1916 | 2.0300e-003 | 0.1936 | 0.0508 | 1.8800e-003 | 0.0527 | | 185.5770 | 185.5770 | 0.0119 | | 185.8272 |
| Total | 0.0892 | 0.1248 | 1.2947 | 2.5400e-003 | 0.1916 | 2.0300e-003 | 0.1936 | 0.0508 | 1.8800e-003 | 0.0527 | | 185.5770 | 185.5770 | 0.0119 | | 185.8272 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|----------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 0.0852 | 0.2942 | 0.8933 | 1.7900e-003 | 0.0814 | 5.1400e-003 | 0.0865 | 0.0219 | 4.7300e-003 | 0.0267 | | 151.5811 | 151.5811 | 4.7700e-003 | | 151.6812 |
| Unmitigated | 0.0852 | 0.2942 | 0.8933 | 1.7900e-003 | 0.0814 | 5.1400e-003 | 0.0865 | 0.0219 | 4.7300e-003 | 0.0267 | | 151.5811 | 151.5811 | 4.7700e-003 | | 151.6812 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|----------------------------|-------------------------|----------|--------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Mobile Home Park | 9.98 | 10.00 | 8.72 | 36,454 | 36,454 |
| Other Non-Asphalt Surfaces | 0.00 | 0.00 | 0.00 | | |
| Total | 9.98 | 10.00 | 8.72 | 36,454 | 36,454 |

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 |
| Mobile Home Park | 16.80 | 7.10 | 7.90 | 42.30 | 19.60 | 38.10 | 86 | 11 | 3 |
| Other Non-Asphalt Surfaces | 14.70 | 6.60 | 6.60 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |

| LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 0.271253 | 0.095444 | 0.148282 | 0.134901 | 0.096880 | 0.010081 | 0.012267 | 0.215220 | 0.002482 | 0.001163 | 0.006132 | 0.001739 | 0.004155 |

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 | 2.9000e-004 | 2.5100e-003 | 1.0700e-003 | 2.0000e-005 | | 2.0000e-004 | 2.0000e-004 | | 2.0000e-004 | 2.0000e-004 | | 3.2016 | 3.2016 | 6.0000e-005 | 6.0000e-005 | 3.2211 |
| NaturalGas Unmitigated | 2.9000e-004 | 2.5100e-003 | 1.0700e-003 | 2.0000e-005 | | 2.0000e-004 | 2.0000e-004 | | 2.0000e-004 | 2.0000e-004 | | 3.2016 | 3.2016 | 6.0000e-005 | 6.0000e-005 | 3.2211 |

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 | | | | | |
| Mobile Home Park | 27.2139 | 2.9000e-004 | 2.5100e-003 | 1.0700e-003 | 2.0000e-005 | | 2.0000e-004 | 2.0000e-004 | | 2.0000e-004 | 2.0000e-004 | | 3.2016 | 3.2016 | 6.0000e-005 | 6.0000e-005 | 3.2211 |
| 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 |
| Total | | 2.9000e-004 | 2.5100e-003 | 1.0700e-003 | 2.0000e-005 | | 2.0000e-004 | 2.0000e-004 | | 2.0000e-004 | 2.0000e-004 | | 3.2016 | 3.2016 | 6.0000e-005 | 6.0000e-005 | 3.2211 |

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 | | | | | |
| 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 |
| Mobile Home Park | 0.0272139 | 2.9000e-004 | 2.5100e-003 | 1.0700e-003 | 2.0000e-005 | | 2.0000e-004 | 2.0000e-004 | | 2.0000e-004 | 2.0000e-004 | | 3.2016 | 3.2016 | 6.0000e-005 | 6.0000e-005 | 3.2211 |
| Total | | 2.9000e-004 | 2.5100e-003 | 1.0700e-003 | 2.0000e-005 | | 2.0000e-004 | 2.0000e-004 | | 2.0000e-004 | 2.0000e-004 | | 3.2016 | 3.2016 | 6.0000e-005 | 6.0000e-005 | 3.2211 |

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 | 19.3353 | 0.0435 | 3.9375 | 1.4800e-003 | | 0.5307 | 0.5307 | | 0.5306 | 0.5306 | 55.5435 | 23.5942 | 79.1376 | 0.0516 | 4.3700e-003 | 81.5746 |
| Unmitigated | 19.3353 | 0.0435 | 3.9375 | 1.4800e-003 | | 0.5307 | 0.5307 | | 0.5306 | 0.5306 | 55.5435 | 23.5942 | 79.1376 | 0.0516 | 4.3700e-003 | 81.5746 |

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 | 3.7267 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 12.5426 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Hearth | 3.0608 | 0.0415 | 3.7706 | 1.4700e-003 | | 0.5297 | 0.5297 | | 0.5297 | 0.5297 | 55.5435 | 23.2941 | 78.8376 | 0.0513 | 4.3700e-003 | 81.2684 |
| Landscaping | 5.1700e-003 | 1.9300e-003 | 0.1669 | 1.0000e-005 | | 9.2000e-004 | 9.2000e-004 | | 9.2000e-004 | 9.2000e-004 | | 0.3000 | 0.3000 | 3.0000e-004 | | 0.3063 |
| Total | 19.3353 | 0.0435 | 3.9375 | 1.4800e-003 | | 0.5307 | 0.5307 | | 0.5307 | 0.5307 | 55.5435 | 23.5942 | 79.1376 | 0.0516 | 4.3700e-003 | 81.5746 |

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 | 3.7267 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 12.5426 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Hearth | 3.0608 | 0.0415 | 3.7706 | 1.4700e-003 | | 0.5297 | 0.5297 | | 0.5297 | 0.5297 | 55.5435 | 23.2941 | 78.8376 | 0.0513 | 4.3700e-003 | 81.2684 |
| Landscaping | 5.1700e-003 | 1.9300e-003 | 0.1669 | 1.0000e-005 | | 9.2000e-004 | 9.2000e-004 | | 9.2000e-004 | 9.2000e-004 | | 0.3000 | 0.3000 | 3.0000e-004 | | 0.3063 |
| Total | 19.3353 | 0.0435 | 3.9375 | 1.4800e-003 | | 0.5307 | 0.5307 | | 0.5307 | 0.5307 | 55.5435 | 23.5942 | 79.1376 | 0.0516 | 4.3700e-003 | 81.5746 |

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 Vegetation

Yreka Greenway Master Plan - North Reach (New Roads)

Siskiyou County, Summer

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|------------------------|-------|----------|-------------|--------------------|------------|
| Other Asphalt Surfaces | 35.91 | 1000sqft | 0.82 | 35,910.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|---------------------------------|------------|---------------------------------|-------|----------------------------------|-------|
| Urbanization | Rural | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 85 |
| Climate Zone | 14 | | | Operational Year | 2020 |
| Utility Company | PacifiCorp | | | | |
| CO2 Intensity (lb/MW hr) | 1656.39 | CH4 Intensity (lb/MW hr) | 0.029 | N2O Intensity (lb/MW hr) | 0.006 |

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase -

Off-road Equipment - No concrete saw

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Construction Off-road Equipment Mitigation - Tier 3 engines assumed

| Table Name | Column Name | Default Value | New Value |
|---------------------------|----------------------------|---------------|-----------|
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 4.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 4.00 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblProjectCharacteristics | OperationalYear | 2014 | 2020 |
| tblProjectCharacteristics | UrbanizationLevel | Urban | Rural |

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|--------------------|--------------------|--------------------|---------------|--------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 0.9968 | 3.0000e-005 | 3.6900e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 7.8600e-003 | 7.8600e-003 | 2.0000e-005 | | 8.3000e-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 |
| Total | 0.9968 | 3.0000e-005 | 3.6900e-003 | 0.0000 | 0.0000 | 1.0000e-005 | 1.0000e-005 | 0.0000 | 1.0000e-005 | 1.0000e-005 | | 7.8600e-003 | 7.8600e-003 | 2.0000e-005 | 0.0000 | 8.3000e-003 |

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 | 0.9968 | 3.0000e-005 | 3.6900e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 7.8600e-003 | 7.8600e-003 | 2.0000e-005 | | 8.3000e-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 |
| Total | 0.9968 | 3.0000e-005 | 3.6900e-003 | 0.0000 | 0.0000 | 1.0000e-005 | 1.0000e-005 | 0.0000 | 1.0000e-005 | 1.0000e-005 | | 7.8600e-003 | 7.8600e-003 | 2.0000e-005 | 0.0000 | 8.3000e-003 |

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

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|------------------|------------------|------------|-----------|---------------|----------|-------------------|
| 1 | Site Preparation | Site Preparation | 1/15/2020 | 1/15/2020 | 5 | 1 | |
| 2 | Grading | Grading | 1/16/2020 | 1/17/2020 | 5 | 2 | |
| 3 | Paving | Paving | 1/18/2020 | 1/24/2020 | 5 | 5 | |

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|------------------|---------------------------|--------|-------------|-------------|-------------|
| Site Preparation | Graders | 1 | 8.00 | 174 | 0.41 |
| Site Preparation | Tractors/Loaders/Backhoes | 1 | 8.00 | 97 | 0.37 |
| Grading | Concrete/Industrial Saws | 0 | 8.00 | 81 | 0.73 |
| Grading | Rubber Tired Dozers | 1 | 1.00 | 255 | 0.40 |
| Grading | Tractors/Loaders/Backhoes | 2 | 6.00 | 97 | 0.37 |
| Paving | Cement and Mortar Mixers | 4 | 6.00 | 9 | 0.56 |
| Paving | Pavers | 1 | 7.00 | 125 | 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 | 16.80 | 6.60 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 3 | 8.00 | 0.00 | 0.00 | 16.80 | 6.60 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 7 | 18.00 | 0.00 | 0.00 | 16.80 | 6.60 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Site Preparation - 2020

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 | 0.9225 | 9.0637 | 6.8357 | 9.3100e-003 | | 0.5213 | 0.5213 | | 0.4796 | 0.4796 | | 902.2494 | 902.2494 | 0.2918 | | 908.3773 |
| Total | 0.9225 | 9.0637 | 6.8357 | 9.3100e-003 | 0.5303 | 0.5213 | 1.0516 | 0.0573 | 0.4796 | 0.5369 | | 902.2494 | 902.2494 | 0.2918 | | 908.3773 |

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 | 0.0267 | 0.0377 | 0.3873 | 8.4000e-004 | 0.0639 | 6.5000e-004 | 0.0645 | 0.0169 | 6.0000e-004 | 0.0175 | | 59.4267 | 59.4267 | 3.6900e-003 | | 59.5042 |
| Total | 0.0267 | 0.0377 | 0.3873 | 8.4000e-004 | 0.0639 | 6.5000e-004 | 0.0645 | 0.0169 | 6.0000e-004 | 0.0175 | | 59.4267 | 59.4267 | 3.6900e-003 | | 59.5042 |

3.2 Site Preparation - 2020

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 | 0.2270 | 4.6535 | 6.9975 | 9.3100e-003 | | 0.2625 | 0.2625 | | 0.2625 | 0.2625 | 0.0000 | 902.2494 | 902.2494 | 0.2918 | | 908.3773 |
| Total | 0.2270 | 4.6535 | 6.9975 | 9.3100e-003 | 0.5303 | 0.2625 | 0.7927 | 0.0573 | 0.2625 | 0.3197 | 0.0000 | 902.2494 | 902.2494 | 0.2918 | | 908.3773 |

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 | 0.0267 | 0.0377 | 0.3873 | 8.4000e-004 | 0.0639 | 6.5000e-004 | 0.0645 | 0.0169 | 6.0000e-004 | 0.0175 | | 59.4267 | 59.4267 | 3.6900e-003 | | 59.5042 |
| Total | 0.0267 | 0.0377 | 0.3873 | 8.4000e-004 | 0.0639 | 6.5000e-004 | 0.0645 | 0.0169 | 6.0000e-004 | 0.0175 | | 59.4267 | 59.4267 | 3.6900e-003 | | 59.5042 |

3.3 Grading - 2020

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 | 0.4346 | 4.4262 | 4.4115 | 5.7700e-003 | | 0.2580 | 0.2580 | | 0.2373 | 0.2373 | | 559.0364 | 559.0364 | 0.1808 | | 562.8333 |
| Total | 0.4346 | 4.4262 | 4.4115 | 5.7700e-003 | 0.7528 | 0.2580 | 1.0107 | 0.4138 | 0.2373 | 0.6511 | | 559.0364 | 559.0364 | 0.1808 | | 562.8333 |

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 | 0.0427 | 0.0602 | 0.6197 | 1.3500e-003 | 0.1022 | 1.0400e-003 | 0.1032 | 0.0271 | 9.6000e-004 | 0.0281 | | 95.0827 | 95.0827 | 5.9000e-003 | | 95.2067 |
| Total | 0.0427 | 0.0602 | 0.6197 | 1.3500e-003 | 0.1022 | 1.0400e-003 | 0.1032 | 0.0271 | 9.6000e-004 | 0.0281 | | 95.0827 | 95.0827 | 5.9000e-003 | | 95.2067 |

3.3 Grading - 2020

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 | 0.1409 | 3.1233 | 4.0978 | 5.7700e-003 | | 0.2021 | 0.2021 | | 0.2021 | 0.2021 | 0.0000 | 559.0364 | 559.0364 | 0.1808 | | 562.8333 |
| Total | 0.1409 | 3.1233 | 4.0978 | 5.7700e-003 | 0.7528 | 0.2021 | 0.9549 | 0.4138 | 0.2021 | 0.6159 | 0.0000 | 559.0364 | 559.0364 | 0.1808 | | 562.8333 |

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 | 0.0427 | 0.0602 | 0.6197 | 1.3500e-003 | 0.1022 | 1.0400e-003 | 0.1032 | 0.0271 | 9.6000e-004 | 0.0281 | | 95.0827 | 95.0827 | 5.9000e-003 | | 95.2067 |
| Total | 0.0427 | 0.0602 | 0.6197 | 1.3500e-003 | 0.1022 | 1.0400e-003 | 0.1032 | 0.0271 | 9.6000e-004 | 0.0281 | | 95.0827 | 95.0827 | 5.9000e-003 | | 95.2067 |

3.4 Paving - 2020

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 | 0.7627 | 7.1320 | 7.0153 | 0.0111 | | 0.3905 | 0.3905 | | 0.3626 | 0.3626 | | 1,020.0710 | 1,020.0710 | 0.2966 | | 1,026.3002 |
| Paving | 0.4297 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.1924 | 7.1320 | 7.0153 | 0.0111 | | 0.3905 | 0.3905 | | 0.3626 | 0.3626 | | 1,020.0710 | 1,020.0710 | 0.2966 | | 1,026.3002 |

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 | 0.0960 | 0.1355 | 1.3942 | 3.0400e-003 | 0.2299 | 2.3400e-003 | 0.2323 | 0.0610 | 2.1700e-003 | 0.0631 | | 213.9361 | 213.9361 | 0.0133 | | 214.2150 |
| Total | 0.0960 | 0.1355 | 1.3942 | 3.0400e-003 | 0.2299 | 2.3400e-003 | 0.2323 | 0.0610 | 2.1700e-003 | 0.0631 | | 213.9361 | 213.9361 | 0.0133 | | 214.2150 |

3.4 Paving - 2020

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 | 0.2200 | 4.6827 | 6.7829 | 0.0111 | | 0.2872 | 0.2872 | | 0.2872 | 0.2872 | 0.0000 | 1,020.0710 | 1,020.0710 | 0.2966 | | 1,026.3002 |
| Paving | 0.4297 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 0.6497 | 4.6827 | 6.7829 | 0.0111 | | 0.2872 | 0.2872 | | 0.2872 | 0.2872 | 0.0000 | 1,020.0710 | 1,020.0710 | 0.2966 | | 1,026.3002 |

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 | 0.0960 | 0.1355 | 1.3942 | 3.0400e-003 | 0.2299 | 2.3400e-003 | 0.2323 | 0.0610 | 2.1700e-003 | 0.0631 | | 213.9361 | 213.9361 | 0.0133 | | 214.2150 |
| Total | 0.0960 | 0.1355 | 1.3942 | 3.0400e-003 | 0.2299 | 2.3400e-003 | 0.2323 | 0.0610 | 2.1700e-003 | 0.0631 | | 213.9361 | 213.9361 | 0.0133 | | 214.2150 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|-----|--------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 0.0000 | 0.0000 | 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 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 Asphalt Surfaces | 14.70 | 6.60 | 6.60 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |

| LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 0.271253 | 0.095444 | 0.148282 | 0.134901 | 0.096880 | 0.010081 | 0.012267 | 0.215220 | 0.002482 | 0.001163 | 0.006132 | 0.001739 | 0.004155 |

5.0 Energy Detail

4.4 Fleet Mix

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 |

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 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 |
| Total | | 0.0000 | 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

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 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 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

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 | 0.9968 | 3.0000e-005 | 3.6900e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 7.8600e-003 | 7.8600e-003 | 2.0000e-005 | | 8.3000e-003 |
| Unmitigated | 0.9968 | 3.0000e-005 | 3.6900e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 7.8600e-003 | 7.8600e-003 | 2.0000e-005 | | 8.3000e-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 | 0.2280 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.7685 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 3.5000e-004 | 3.0000e-005 | 3.6900e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 7.8600e-003 | 7.8600e-003 | 2.0000e-005 | | 8.3000e-003 |
| Total | 0.9968 | 3.0000e-005 | 3.6900e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 7.8600e-003 | 7.8600e-003 | 2.0000e-005 | | 8.3000e-003 |

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 | 0.2280 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.7685 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 3.5000e-004 | 3.0000e-005 | 3.6900e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 7.8600e-003 | 7.8600e-003 | 2.0000e-005 | | 8.3000e-003 |
| Total | 0.9968 | 3.0000e-005 | 3.6900e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 7.8600e-003 | 7.8600e-003 | 2.0000e-005 | | 8.3000e-003 |

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 Vegetation

Yreka Greenway Master Plan - South Reach Siskiyou County, Summer

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|----------------------------|-------|---------------|-------------|--------------------|------------|
| Other Non-Asphalt Surfaces | 27.60 | Acre | 27.60 | 1,202,256.00 | 0 |
| Mobile Home Park | 7.00 | Dwelling Unit | 0.88 | 8,400.00 | 20 |
| Single Family Housing | 2.00 | Dwelling Unit | 0.65 | 3,600.00 | 6 |

1.2 Other Project Characteristics

| | | | | | |
|---------------------------------|------------|---------------------------------|-------|----------------------------------|-------|
| Urbanization | Rural | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 85 |
| Climate Zone | 14 | | | Operational Year | 2020 |
| Utility Company | PacifiCorp | | | | |
| CO2 Intensity (lb/MW hr) | 1656.39 | CH4 Intensity (lb/MW hr) | 0.029 | N2O Intensity (lb/MW hr) | 0.006 |

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Residential units = structures moved. (Single family = large buildings. Mobile home = sheds, outbuildings, or storage yards)

Construction Phase - Includes creek work and structure movement

Off-road Equipment - Moving structures

Off-road Equipment - Drainage channel and floodplain widening

Trips and VMT - No vendor trips during Structure Movement

Grading -

Construction Off-road Equipment Mitigation - Tier 3 engines assumed

| Table Name | Column Name | Default Value | New Value |
|---------------------------|----------------------------|---------------|------------|
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 3.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 5.00 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstructionPhase | NumDays | 440.00 | 9.00 |
| tblConstructionPhase | NumDays | 45.00 | 440.00 |
| tblConstructionPhase | PhaseEndDate | 11/26/2020 | 5/23/2019 |
| tblConstructionPhase | PhaseStartDate | 11/14/2020 | 5/13/2019 |
| tblGrading | MaterialExported | 0.00 | 301,000.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblProjectCharacteristics | OperationalYear | 2014 | 2020 |
| tblProjectCharacteristics | UrbanizationLevel | Urban | Rural |
| tblTripsAndVMT | HaulingTripLength | 20.00 | 5.00 |

| | | | |
|----------------|-------------------|--------|-------|
| tblTripsAndVMT | HaulingTripLength | 20.00 | 5.00 |
| tblTripsAndVMT | HaulingTripNumber | 0.00 | 9.00 |
| tblTripsAndVMT | VendorTripNumber | 198.00 | 0.00 |
| tblTripsAndVMT | WorkerTripNumber | 511.00 | 15.00 |

2.0 Emissions Summary

2.2 Overall Operational**Unmitigated Operational**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|----------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|-----------------|-----------------|-------------------|---------------|---------------|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 47.5180 | 0.1955 | 17.7154 | 6.6700e-003 | | 2.3879 | 2.3879 | | 2.3879 | 2.3879 | 249.9456 | 106.1665 | 356.1121 | 0.2320 | 0.0197 | 367.0783 |
| Energy | 2.0800e-003 | 0.0178 | 7.5700e-003 | 1.1000e-004 | | 1.4400e-003 | 1.4400e-003 | | 1.4400e-003 | 1.4400e-003 | | 22.7005 | 22.7005 | 4.4000e-004 | 4.2000e-004 | 22.8387 |
| Mobile | 0.4701 | 1.6225 | 4.9275 | 9.8800e-003 | 0.4489 | 0.0284 | 0.4773 | 0.1210 | 0.0261 | 0.1471 | | 836.1211 | 836.1211 | 0.0263 | | 836.6735 |
| Total | 47.9902 | 1.8358 | 22.6505 | 0.0167 | 0.4489 | 2.4178 | 2.8667 | 0.1210 | 2.4154 | 2.5364 | 249.9456 | 964.9881 | 1,214.9337 | 0.2587 | 0.0201 | 1,226.5904 |

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 | 47.5180 | 0.1955 | 17.7154 | 6.6700e-003 | | 2.3879 | 2.3879 | | 2.3879 | 2.3879 | 249.9456 | 106.1665 | 356.1121 | 0.2320 | 0.0197 | 367.0783 |
| Energy | 2.0800e-003 | 0.0178 | 7.5700e-003 | 1.1000e-004 | | 1.4400e-003 | 1.4400e-003 | | 1.4400e-003 | 1.4400e-003 | | 22.7005 | 22.7005 | 4.4000e-004 | 4.2000e-004 | 22.8387 |
| Mobile | 0.4701 | 1.6225 | 4.9275 | 9.8800e-003 | 0.4489 | 0.0284 | 0.4773 | 0.1210 | 0.0261 | 0.1471 | | 836.1211 | 836.1211 | 0.0263 | | 836.6735 |
| Total | 47.9902 | 1.8358 | 22.6505 | 0.0167 | 0.4489 | 2.4178 | 2.8667 | 0.1210 | 2.4154 | 2.5364 | 249.9456 | 964.9881 | 1,214.9337 | 0.2587 | 0.0201 | 1,226.5904 |

| | ROG | NOx | CO | SO2 | 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 | Creek Work | Grading | 3/11/2019 | 11/13/2020 | 5 | 440 | |
| 2 | Building Construction | Building Construction | 5/13/2019 | 5/23/2019 | 5 | 9 | |

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 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Creek Work | Excavators | 2 | 8.00 | 162 | 0.38 |
| Creek Work | Graders | 1 | 8.00 | 174 | 0.41 |
| Creek Work | Rollers | 1 | 8.00 | 80 | 0.38 |
| Creek Work | Rubber Tired Dozers | 1 | 8.00 | 255 | 0.40 |
| Creek Work | Rubber Tired Loaders | 1 | 8.00 | 199 | 0.36 |
| Creek Work | Scrapers | 2 | 8.00 | 361 | 0.48 |
| Creek Work | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Building Construction | Cranes | 1 | 7.00 | 226 | 0.29 |
| Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 0 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Building Construction | Welders | 0 | 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 |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Creek Work | 10 | 25.00 | 0.00 | 37,625.00 | 16.80 | 6.60 | 5.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 7 | 15.00 | 0.00 | 9.00 | 16.80 | 6.60 | 5.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Creek Work - 2019

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 | | | | | 8.7507 | 0.0000 | 8.7507 | 3.6082 | 0.0000 | 3.6082 | | | 0.0000 | | | 0.0000 |
| Off-Road | 5.5086 | 61.1699 | 43.8418 | 0.0705 | | 2.8109 | 2.8109 | | 2.5860 | 2.5860 | | 6,977.608 2 | 6,977.608 2 | 2.2076 | | 7,023.968 7 |
| Total | 5.5086 | 61.1699 | 43.8418 | 0.0705 | 8.7507 | 2.8109 | 11.5616 | 3.6082 | 2.5860 | 6.1942 | | 6,977.608 2 | 6,977.608 2 | 2.2076 | | 7,023.968 7 |

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 | 1.3732 | 4.8511 | 16.6726 | 0.0173 | 0.6804 | 0.0761 | 0.7565 | 0.1780 | 0.0699 | 0.2479 | | 1,638.369 4 | 1,638.369 4 | 0.0145 | | 1,638.673 8 |
| 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 | 0.1487 | 0.2079 | 2.1578 | 4.2300e-003 | 0.3193 | 3.3800e-003 | 0.3227 | 0.0847 | 3.1300e-003 | 0.0878 | | 309.2951 | 309.2951 | 0.0199 | | 309.7119 |
| Total | 1.5219 | 5.0590 | 18.8305 | 0.0215 | 0.9997 | 0.0795 | 1.0792 | 0.2627 | 0.0730 | 0.3357 | | 1,947.664 5 | 1,947.664 5 | 0.0343 | | 1,948.385 7 |

3.2 Creek Work - 2019

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|-----|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 8.7507 | 0.0000 | 8.7507 | 3.6082 | 0.0000 | 3.6082 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.3438 | 38.8275 | 43.1566 | 0.0705 | | 1.8200 | 1.8200 | | 1.7861 | 1.7861 | 0.0000 | 6,977.608 2 | 6,977.608 2 | 2.2076 | | 7,023.968 7 |
| Total | 2.3438 | 38.8275 | 43.1566 | 0.0705 | 8.7507 | 1.8200 | 10.5707 | 3.6082 | 1.7861 | 5.3943 | 0.0000 | 6,977.608 2 | 6,977.608 2 | 2.2076 | | 7,023.968 7 |

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 | 1.3732 | 4.8511 | 16.6726 | 0.0173 | 0.6804 | 0.0761 | 0.7565 | 0.1780 | 0.0699 | 0.2479 | | 1,638.369 4 | 1,638.369 4 | 0.0145 | | 1,638.673 8 |
| 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 | 0.1487 | 0.2079 | 2.1578 | 4.2300e-003 | 0.3193 | 3.3800e-003 | 0.3227 | 0.0847 | 3.1300e-003 | 0.0878 | | 309.2951 | 309.2951 | 0.0199 | | 309.7119 |
| Total | 1.5219 | 5.0590 | 18.8305 | 0.0215 | 0.9997 | 0.0795 | 1.0792 | 0.2627 | 0.0730 | 0.3357 | | 1,947.664 5 | 1,947.664 5 | 0.0343 | | 1,948.385 7 |

3.2 Creek Work - 2020

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 | | | | | 8.7507 | 0.0000 | 8.7507 | 3.6082 | 0.0000 | 3.6082 | | | 0.0000 | | | 0.0000 |
| Off-Road | 5.1250 | 55.7878 | 41.9223 | 0.0705 | | 2.5381 | 2.5381 | | 2.3351 | 2.3351 | | 6,825.0109 | 6,825.0109 | 2.2074 | | 6,871.3651 |
| Total | 5.1250 | 55.7878 | 41.9223 | 0.0705 | 8.7507 | 2.5381 | 11.2888 | 3.6082 | 2.3351 | 5.9433 | | 6,825.0109 | 6,825.0109 | 2.2074 | | 6,871.3651 |

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 | 1.2185 | 4.4248 | 15.3102 | 0.0172 | 0.6392 | 0.0741 | 0.7133 | 0.1679 | 0.0681 | 0.2360 | | 1,600.1454 | 1,600.1454 | 0.0144 | | 1,600.4484 |
| 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 | 0.1334 | 0.1883 | 1.9364 | 4.2200e-003 | 0.3193 | 3.2600e-003 | 0.3226 | 0.0847 | 3.0100e-003 | 0.0877 | | 297.1334 | 297.1334 | 0.0185 | | 297.5209 |
| Total | 1.3518 | 4.6130 | 17.2466 | 0.0214 | 0.9586 | 0.0774 | 1.0359 | 0.2526 | 0.0711 | 0.3237 | | 1,897.2789 | 1,897.2789 | 0.0329 | | 1,897.9692 |

3.2 Creek Work - 2020

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 8.7507 | 0.0000 | 8.7507 | 3.6082 | 0.0000 | 3.6082 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.2909 | 38.2197 | 43.1128 | 0.0705 | | 1.7848 | 1.7848 | | 1.7537 | 1.7537 | 0.0000 | 6,825.0109 | 6,825.0109 | 2.2074 | | 6,871.3651 |
| Total | 2.2909 | 38.2197 | 43.1128 | 0.0705 | 8.7507 | 1.7848 | 10.5355 | 3.6082 | 1.7537 | 5.3619 | 0.0000 | 6,825.0109 | 6,825.0109 | 2.2074 | | 6,871.3651 |

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 | 1.2185 | 4.4248 | 15.3102 | 0.0172 | 0.6392 | 0.0741 | 0.7133 | 0.1679 | 0.0681 | 0.2360 | | 1,600.1454 | 1,600.1454 | 0.0144 | | 1,600.4484 |
| 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 | 0.1334 | 0.1883 | 1.9364 | 4.2200e-003 | 0.3193 | 3.2600e-003 | 0.3226 | 0.0847 | 3.0100e-003 | 0.0877 | | 297.1334 | 297.1334 | 0.0185 | | 297.5209 |
| Total | 1.3518 | 4.6130 | 17.2466 | 0.0214 | 0.9586 | 0.0774 | 1.0359 | 0.2526 | 0.0711 | 0.3237 | | 1,897.2789 | 1,897.2789 | 0.0329 | | 1,897.9692 |

3.3 Building Construction - 2019**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 | 1.5225 | 15.5629 | 11.5901 | 0.0177 | | 0.9595 | 0.9595 | | 0.8828 | 0.8828 | | 1,750.2495 | 1,750.2495 | 0.5538 | | 1,761.8784 |
| Total | 1.5225 | 15.5629 | 11.5901 | 0.0177 | | 0.9595 | 0.9595 | | 0.8828 | 0.8828 | | 1,750.2495 | 1,750.2495 | 0.5538 | | 1,761.8784 |

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 | 0.0161 | 0.0567 | 0.1950 | 2.0000e-004 | 4.4000e-003 | 8.9000e-004 | 5.2900e-003 | 1.2100e-003 | 8.2000e-004 | 2.0300e-003 | | 19.1597 | 19.1597 | 1.7000e-004 | | 19.1632 |
| 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 | 0.0892 | 0.1248 | 1.2947 | 2.5400e-003 | 0.1916 | 2.0300e-003 | 0.1936 | 0.0508 | 1.8800e-003 | 0.0527 | | 185.5770 | 185.5770 | 0.0119 | | 185.8272 |
| Total | 0.1053 | 0.1815 | 1.4897 | 2.7400e-003 | 0.1960 | 2.9200e-003 | 0.1989 | 0.0520 | 2.7000e-003 | 0.0547 | | 204.7367 | 204.7367 | 0.0121 | | 204.9904 |

3.3 Building Construction - 2019

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 | 0.4338 | 9.4799 | 12.2624 | 0.0177 | | 0.5889 | 0.5889 | | 0.5889 | 0.5889 | 0.0000 | 1,750.2495 | 1,750.2495 | 0.5538 | | 1,761.8784 |
| Total | 0.4338 | 9.4799 | 12.2624 | 0.0177 | | 0.5889 | 0.5889 | | 0.5889 | 0.5889 | 0.0000 | 1,750.2495 | 1,750.2495 | 0.5538 | | 1,761.8784 |

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 | 0.0161 | 0.0567 | 0.1950 | 2.0000e-004 | 4.4000e-003 | 8.9000e-004 | 5.2900e-003 | 1.2100e-003 | 8.2000e-004 | 2.0300e-003 | | 19.1597 | 19.1597 | 1.7000e-004 | | 19.1632 |
| 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 | 0.0892 | 0.1248 | 1.2947 | 2.5400e-003 | 0.1916 | 2.0300e-003 | 0.1936 | 0.0508 | 1.8800e-003 | 0.0527 | | 185.5770 | 185.5770 | 0.0119 | | 185.8272 |
| Total | 0.1053 | 0.1815 | 1.4897 | 2.7400e-003 | 0.1960 | 2.9200e-003 | 0.1989 | 0.0520 | 2.7000e-003 | 0.0547 | | 204.7367 | 204.7367 | 0.0121 | | 204.9904 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|-----|----------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 0.4701 | 1.6225 | 4.9275 | 9.8800e-003 | 0.4489 | 0.0284 | 0.4773 | 0.1210 | 0.0261 | 0.1471 | | 836.1211 | 836.1211 | 0.0263 | | 836.6735 |
| Unmitigated | 0.4701 | 1.6225 | 4.9275 | 9.8800e-003 | 0.4489 | 0.0284 | 0.4773 | 0.1210 | 0.0261 | 0.1471 | | 836.1211 | 836.1211 | 0.0263 | | 836.6735 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|----------------------------|-------------------------|----------|--------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Mobile Home Park | 34.93 | 35.00 | 30.52 | 127,589 | 127,589 |
| Other Non-Asphalt Surfaces | 0.00 | 0.00 | 0.00 | | |
| Single Family Housing | 19.14 | 20.16 | 17.54 | 70,868 | 70,868 |
| Total | 54.07 | 55.16 | 48.06 | 198,457 | 198,457 |

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 |
| Mobile Home Park | 16.80 | 7.10 | 7.90 | 42.30 | 19.60 | 38.10 | 86 | 11 | 3 |
| Other Non-Asphalt Surfaces | 14.70 | 6.60 | 6.60 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Single Family Housing | 16.80 | 7.10 | 7.90 | 42.30 | 19.60 | 38.10 | 86 | 11 | 3 |

| LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 0.271253 | 0.095444 | 0.148282 | 0.134901 | 0.096880 | 0.010081 | 0.012267 | 0.215220 | 0.002482 | 0.001163 | 0.006132 | 0.001739 | 0.004155 |

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|-------------|--------|-------------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|---------|
| | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 2.0800e-003 | 0.0178 | 7.5700e-003 | 1.1000e-004 | | 1.4400e-003 | 1.4400e-003 | | 1.4400e-003 | 1.4400e-003 | | 22.7005 | 22.7005 | 4.4000e-004 | 4.2000e-004 | 22.8387 |
| NaturalGas Unmitigated | 2.0800e-003 | 0.0178 | 7.5700e-003 | 1.1000e-004 | | 1.4400e-003 | 1.4400e-003 | | 1.4400e-003 | 1.4400e-003 | | 22.7005 | 22.7005 | 4.4000e-004 | 4.2000e-004 | 22.8387 |

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 | | | | | |
| Mobile Home Park | 95.2485 | 1.0300e-003 | 8.7800e-003 | 3.7400e-003 | 6.0000e-005 | | 7.1000e-004 | 7.1000e-004 | | 7.1000e-004 | 7.1000e-004 | | 11.2057 | 11.2057 | 2.1000e-004 | 2.1000e-004 | 11.2739 |
| 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 |
| Single Family Housing | 97.7058 | 1.0500e-003 | 9.0000e-003 | 3.8300e-003 | 6.0000e-005 | | 7.3000e-004 | 7.3000e-004 | | 7.3000e-004 | 7.3000e-004 | | 11.4948 | 11.4948 | 2.2000e-004 | 2.1000e-004 | 11.5648 |
| Total | | 2.0800e-003 | 0.0178 | 7.5700e-003 | 1.2000e-004 | | 1.4400e-003 | 1.4400e-003 | | 1.4400e-003 | 1.4400e-003 | | 22.7005 | 22.7005 | 4.3000e-004 | 4.2000e-004 | 22.8387 |

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 |
| Single Family Housing | 0.0977058 | 1.0500e-003 | 9.0000e-003 | 3.8300e-003 | 6.0000e-005 | | 7.3000e-004 | 7.3000e-004 | | 7.3000e-004 | 7.3000e-004 | | 11.4948 | 11.4948 | 2.2000e-004 | 2.1000e-004 | 11.5648 |
| Mobile Home Park | 0.0952485 | 1.0300e-003 | 8.7800e-003 | 3.7400e-003 | 6.0000e-005 | | 7.1000e-004 | 7.1000e-004 | | 7.1000e-004 | 7.1000e-004 | | 11.2057 | 11.2057 | 2.1000e-004 | 2.1000e-004 | 11.2739 |
| Total | | 2.0800e-003 | 0.0178 | 7.5700e-003 | 1.2000e-004 | | 1.4400e-003 | 1.4400e-003 | | 1.4400e-003 | 1.4400e-003 | | 22.7005 | 22.7005 | 4.3000e-004 | 4.2000e-004 | 22.8387 |

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 | 47.5180 | 0.1955 | 17.7154 | 6.6700e-003 | | 2.3879 | 2.3879 | | 2.3879 | 2.3879 | 249.9456 | 106.1665 | 356.1121 | 0.2320 | 0.0197 | 367.0783 |
| Unmitigated | 47.5180 | 0.1955 | 17.7154 | 6.6700e-003 | | 2.3879 | 2.3879 | | 2.3879 | 2.3879 | 249.9456 | 106.1665 | 356.1121 | 0.2320 | 0.0197 | 367.0783 |

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 | 7.7364 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 25.9851 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Hearth | 13.7736 | 0.1869 | 16.9675 | 6.6300e-003 | | 2.3838 | 2.3838 | | 2.3838 | 2.3838 | 249.9456 | 104.8235 | 354.7691 | 0.2307 | 0.0197 | 365.7076 |
| Landscaping | 0.0230 | 8.6400e-003 | 0.7478 | 4.0000e-005 | | 4.1100e-003 | 4.1100e-003 | | 4.1100e-003 | 4.1100e-003 | | 1.3430 | 1.3430 | 1.3200e-003 | | 1.3707 |
| Total | 47.5180 | 0.1955 | 17.7154 | 6.6700e-003 | | 2.3880 | 2.3880 | | 2.3879 | 2.3879 | 249.9456 | 106.1665 | 356.1121 | 0.2320 | 0.0197 | 367.0783 |

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 | 7.7364 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 25.9851 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Hearth | 13.7736 | 0.1869 | 16.9675 | 6.6300e-003 | | 2.3838 | 2.3838 | | 2.3838 | 2.3838 | 249.9456 | 104.8235 | 354.7691 | 0.2307 | 0.0197 | 365.7076 |
| Landscaping | 0.0230 | 8.6400e-003 | 0.7478 | 4.0000e-005 | | 4.1100e-003 | 4.1100e-003 | | 4.1100e-003 | 4.1100e-003 | | 1.3430 | 1.3430 | 1.3200e-003 | | 1.3707 |
| Total | 47.5180 | 0.1955 | 17.7154 | 6.6700e-003 | | 2.3880 | 2.3880 | | 2.3879 | 2.3879 | 249.9456 | 106.1665 | 356.1121 | 0.2320 | 0.0197 | 367.0783 |

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 Vegetation

Yreka Greenway Master Plan - Future Master Plan Projects Siskiyou County, Summer

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|----------------------------|--------|---------------|-------------|--------------------|------------|
| Other Non-Asphalt Surfaces | 40.00 | Acre | 40.00 | 1,742,400.00 | 0 |
| Mobile Home Park | 153.00 | Dwelling Unit | 4.20 | 183,600.00 | 438 |
| Single Family Housing | 22.00 | Dwelling Unit | 1.00 | 39,600.00 | 63 |

1.2 Other Project Characteristics

| | | | | | |
|---------------------------------|------------|---------------------------------|-------|----------------------------------|-------|
| Urbanization | Rural | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 85 |
| Climate Zone | 14 | | | Operational Year | 2035 |
| Utility Company | PacifiCorp | | | | |
| CO2 Intensity (lb/MW hr) | 1656.39 | CH4 Intensity (lb/MW hr) | 0.029 | N2O Intensity (lb/MW hr) | 0.006 |

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Residential units = structures moved. (Single family = residences. Mobile home = sheds, outbuildings, or storage yards)

Construction Phase - Includes creek work and structure movement

Off-road Equipment - Drainage channel and floodplain widening

Off-road Equipment - Moving structures

Trips and VMT - No vendor trips during Structure Movement

Grading -

Construction Off-road Equipment Mitigation - Tier 3 engines assumed

| Table Name | Column Name | Default Value | New Value |
|---------------------------|----------------------------|---------------|------------|
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 3.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 5.00 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstructionPhase | NumDays | 740.00 | 175.00 |
| tblConstructionPhase | NumDays | 75.00 | 740.00 |
| tblGrading | MaterialExported | 0.00 | 422,026.00 |
| tblLandUse | LotAcreage | 19.27 | 4.20 |
| tblLandUse | LotAcreage | 7.14 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblProjectCharacteristics | OperationalYear | 2014 | 2035 |
| tblProjectCharacteristics | UrbanizationLevel | Urban | Rural |

| | | | |
|----------------|-------------------|--------|--------|
| tblTripsAndVMT | HaulingTripLength | 20.00 | 5.00 |
| tblTripsAndVMT | HaulingTripLength | 20.00 | 5.00 |
| tblTripsAndVMT | HaulingTripNumber | 0.00 | 175.00 |
| tblTripsAndVMT | VendorTripNumber | 304.00 | 0.00 |
| tblTripsAndVMT | WorkerTripNumber | 850.00 | 25.00 |

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|----------------|-----------------|-----------------|---------------|----------------|---------------|----------------|----------------|---------------|----------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2020 | 6.2741 | 59.6648 | 56.6223 | 0.0890 | 10.0934 | 2.6032 | 12.6965 | 3.9545 | 2.3949 | 6.3493 | 0.0000 | 8,456.1297 | 8,456.1297 | 2.2378 | 0.0000 | 8,503.1239 |
| 2021 | 5.7152 | 53.7088 | 53.4746 | 0.0890 | 9.8034 | 2.3214 | 12.1248 | 3.8833 | 2.1357 | 6.0190 | 0.0000 | 8,450.2069 | 8,450.2069 | 2.2372 | 0.0000 | 8,497.1885 |
| 2022 | 5.1482 | 46.3709 | 50.9543 | 0.0891 | 9.8060 | 1.9887 | 11.7946 | 3.8839 | 1.8296 | 5.7135 | 0.0000 | 8,450.9750 | 8,450.9750 | 2.2383 | 0.0000 | 8,497.9785 |
| 2023 | 4.8159 | 42.2303 | 49.2870 | 0.0890 | 13.8479 | 1.7896 | 15.6375 | 4.8760 | 1.6465 | 6.5225 | 0.0000 | 8,446.7488 | 8,446.7488 | 2.2372 | 0.0000 | 8,493.7302 |
| Total | 21.9534 | 201.9747 | 210.3383 | 0.3561 | 43.5506 | 8.7028 | 52.2535 | 16.5977 | 8.0067 | 24.6044 | 0.0000 | 33,804.0604 | 33,804.0604 | 8.9505 | 0.0000 | 33,992.0211 |

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 | 323.2897 | 3.7996 | 344.3154 | 0.1296 | | 46.4325 | 46.4325 | | 46.4311 | 46.4311 | 4,860.0529 | 2,064.2407 | 6,924.2936 | 4.5098 | 0.3823 | 7,137.5060 |
| Energy | 0.0340 | 0.2909 | 0.1238 | 1.8600e-003 | | 0.0235 | 0.0235 | | 0.0235 | 0.0235 | | 371.3675 | 371.3675 | 7.1200e-003 | 6.8100e-003 | 373.6276 |
| Mobile | 4.4035 | 18.1975 | 51.1232 | 0.1827 | 8.0635 | 0.4681 | 8.5316 | 2.1757 | 0.4310 | 2.6066 | | 15,066.0156 | 15,066.0156 | 0.2733 | | 15,071.7553 |
| Total | 327.7272 | 22.2880 | 395.5625 | 0.3142 | 8.0635 | 46.9240 | 54.9876 | 2.1757 | 46.8856 | 49.0613 | 4,860.0529 | 17,501.6238 | 22,361.6767 | 4.7902 | 0.3891 | 22,582.8889 |

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 | 323.2897 | 3.7996 | 344.3154 | 0.1296 | | 46.4325 | 46.4325 | | 46.4311 | 46.4311 | 4,860.0529 | 2,064.2407 | 6,924.2936 | 4.5098 | 0.3823 | 7,137.5060 |
| Energy | 0.0340 | 0.2909 | 0.1238 | 1.8600e-003 | | 0.0235 | 0.0235 | | 0.0235 | 0.0235 | | 371.3675 | 371.3675 | 7.1200e-003 | 6.8100e-003 | 373.6276 |
| Mobile | 4.4035 | 18.1975 | 51.1232 | 0.1827 | 8.0635 | 0.4681 | 8.5316 | 2.1757 | 0.4310 | 2.6066 | | 15,066.0156 | 15,066.0156 | 0.2733 | | 15,071.7553 |
| Total | 327.7272 | 22.2880 | 395.5625 | 0.3142 | 8.0635 | 46.9240 | 54.9876 | 2.1757 | 46.8856 | 49.0613 | 4,860.0529 | 17,501.6238 | 22,361.6767 | 4.7902 | 0.3891 | 22,582.8889 |

| | ROG | NOx | CO | SO2 | 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 | Creek Work | Grading | 4/22/2020 | 2/21/2023 | 5 | 740 | |
| 2 | Structure Movement | Building Construction | 2/22/2023 | 10/24/2023 | 5 | 175 | |

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 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|--------------------|---------------------------|--------|-------------|-------------|-------------|
| Creek Work | Excavators | 2 | 8.00 | 162 | 0.38 |
| Creek Work | Graders | 1 | 8.00 | 174 | 0.41 |
| Creek Work | Rollers | 1 | 8.00 | 80 | 0.38 |
| Creek Work | Rubber Tired Dozers | 1 | 8.00 | 255 | 0.40 |
| Creek Work | Rubber Tired Loaders | 1 | 8.00 | 199 | 0.36 |
| Creek Work | Scrapers | 2 | 8.00 | 361 | 0.48 |
| Creek Work | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Structure Movement | Cranes | 1 | 7.00 | 226 | 0.29 |
| Structure Movement | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Structure Movement | Generator Sets | 0 | 8.00 | 84 | 0.74 |
| Structure Movement | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Structure Movement | Welders | 0 | 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 |
|--------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Creek Work | 10 | 25.00 | 0.00 | 52,753.00 | 16.80 | 6.60 | 5.00 | LD_Mix | HDT_Mix | HHDT |
| Structure Movement | 7 | 25.00 | 0.00 | 175.00 | 16.80 | 6.60 | 5.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Creek Work - 2020

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 | | | | | 8.7378 | 0.0000 | 8.7378 | 3.6063 | 0.0000 | 3.6063 | | | 0.0000 | | | | 0.0000 |
| Off-Road | 5.1250 | 55.7878 | 41.9223 | 0.0705 | | 2.5381 | 2.5381 | | 2.3351 | 2.3351 | | 6,825.0109 | 6,825.0109 | 2.2074 | | | 6,871.3651 |
| Total | 5.1250 | 55.7878 | 41.9223 | 0.0705 | 8.7378 | 2.5381 | 11.2760 | 3.6063 | 2.3351 | 5.9413 | | 6,825.0109 | 6,825.0109 | 2.2074 | | | 6,871.3651 |

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 | 1.0158 | 3.6888 | 12.7636 | 0.0143 | 1.0362 | 0.0618 | 1.0980 | 0.2635 | 0.0568 | 0.3203 | | 1,333.9854 | 1,333.9854 | 0.0120 | | | 1,334.2379 |
| 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 | 0.1334 | 0.1883 | 1.9364 | 4.2200e-003 | 0.3193 | 3.2600e-003 | 0.3226 | 0.0847 | 3.0100e-003 | 0.0877 | | 297.1334 | 297.1334 | 0.0185 | | | 297.5209 |
| Total | 1.1491 | 3.8770 | 14.7000 | 0.0186 | 1.3556 | 0.0650 | 1.4206 | 0.3482 | 0.0598 | 0.4080 | | 1,631.1188 | 1,631.1188 | 0.0305 | | | 1,631.7588 |

3.2 Creek Work - 2020

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 8.7378 | 0.0000 | 8.7378 | 3.6063 | 0.0000 | 3.6063 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.8808 | 38.1974 | 43.2122 | 0.0705 | | 1.5723 | 1.5723 | | 1.5723 | 1.5723 | 0.0000 | 6,825.0109 | 6,825.0109 | 2.2074 | | 6,871.3651 |
| Total | 1.8808 | 38.1974 | 43.2122 | 0.0705 | 8.7378 | 1.5723 | 10.3101 | 3.6063 | 1.5723 | 5.1785 | 0.0000 | 6,825.0109 | 6,825.0109 | 2.2074 | | 6,871.3651 |

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 | 1.0158 | 3.6888 | 12.7636 | 0.0143 | 1.0362 | 0.0618 | 1.0980 | 0.2635 | 0.0568 | 0.3203 | | 1,333.9854 | 1,333.9854 | 0.0120 | | 1,334.2379 |
| 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 | 0.1334 | 0.1883 | 1.9364 | 4.2200e-003 | 0.3193 | 3.2600e-003 | 0.3226 | 0.0847 | 3.0100e-003 | 0.0877 | | 297.1334 | 297.1334 | 0.0185 | | 297.5209 |
| Total | 1.1491 | 3.8770 | 14.7000 | 0.0186 | 1.3556 | 0.0650 | 1.4206 | 0.3482 | 0.0598 | 0.4080 | | 1,631.1188 | 1,631.1188 | 0.0305 | | 1,631.7588 |

3.2 Creek Work - 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 | | | | | 8.7378 | 0.0000 | 8.7378 | 3.6063 | 0.0000 | 3.6063 | | | 0.0000 | | | 0.0000 |
| Off-Road | 4.7201 | 50.2046 | 40.2055 | 0.0705 | | 2.2580 | 2.2580 | | 2.0773 | 2.0773 | | 6,826.505 2 | 6,826.505 2 | 2.2078 | | 6,872.869 7 |
| Total | 4.7201 | 50.2046 | 40.2055 | 0.0705 | 8.7378 | 2.2580 | 10.9958 | 3.6063 | 2.0773 | 5.6836 | | 6,826.505 2 | 6,826.505 2 | 2.2078 | | 6,872.869 7 |

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 | 0.8739 | 3.3334 | 11.5314 | 0.0143 | 0.7462 | 0.0603 | 0.8065 | 0.1924 | 0.0555 | 0.2478 | | 1,331.490 6 | 1,331.490 6 | 0.0121 | | 1,331.744 1 |
| 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 | 0.1211 | 0.1707 | 1.7378 | 4.2200e-003 | 0.3193 | 3.1400e-003 | 0.3225 | 0.0847 | 2.9100e-003 | 0.0876 | | 292.2111 | 292.2111 | 0.0173 | | 292.5747 |
| Total | 0.9950 | 3.5041 | 13.2692 | 0.0185 | 1.0656 | 0.0634 | 1.1290 | 0.2770 | 0.0584 | 0.3354 | | 1,623.701 7 | 1,623.701 7 | 0.0294 | | 1,624.318 8 |

3.2 Creek Work - 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 | | | | | 8.7378 | 0.0000 | 8.7378 | 3.6063 | 0.0000 | 3.6063 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.8808 | 38.1974 | 43.2122 | 0.0705 | | 1.5723 | 1.5723 | | 1.5723 | 1.5723 | 0.0000 | 6,826.505 2 | 6,826.505 2 | 2.2078 | | 6,872.869 6 |
| Total | 1.8808 | 38.1974 | 43.2122 | 0.0705 | 8.7378 | 1.5723 | 10.3101 | 3.6063 | 1.5723 | 5.1785 | 0.0000 | 6,826.505 2 | 6,826.505 2 | 2.2078 | | 6,872.869 6 |

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 | 0.8739 | 3.3334 | 11.5314 | 0.0143 | 0.7462 | 0.0603 | 0.8065 | 0.1924 | 0.0555 | 0.2478 | | 1,331.490 6 | 1,331.490 6 | 0.0121 | | 1,331.744 1 |
| 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 | 0.1211 | 0.1707 | 1.7378 | 4.2200e-003 | 0.3193 | 3.1400e-003 | 0.3225 | 0.0847 | 2.9100e-003 | 0.0876 | | 292.2111 | 292.2111 | 0.0173 | | 292.5747 |
| Total | 0.9950 | 3.5041 | 13.2692 | 0.0185 | 1.0656 | 0.0634 | 1.1290 | 0.2770 | 0.0584 | 0.3354 | | 1,623.701 7 | 1,623.701 7 | 0.0294 | | 1,624.318 8 |

3.2 Creek Work - 2022

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 8.7378 | 0.0000 | 8.7378 | 3.6063 | 0.0000 | 3.6063 | | | 0.0000 | | | 0.0000 |
| Off-Road | 4.2163 | 43.1201 | 38.4571 | 0.0706 | | 1.9263 | 1.9263 | | 1.7722 | 1.7722 | | 6,832.5817 | 6,832.5817 | 2.2098 | | 6,878.9874 |
| Total | 4.2163 | 43.1201 | 38.4571 | 0.0706 | 8.7378 | 1.9263 | 10.6641 | 3.6063 | 1.7722 | 5.3785 | | 6,832.5817 | 6,832.5817 | 2.2098 | | 6,878.9874 |

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 | 0.8223 | 3.0961 | 10.9525 | 0.0143 | 0.7488 | 0.0593 | 0.8082 | 0.1930 | 0.0546 | 0.2476 | | 1,330.6766 | 1,330.6766 | 0.0122 | | 1,330.9322 |
| 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 | 0.1096 | 0.1548 | 1.5448 | 4.2200e-003 | 0.3193 | 3.0300e-003 | 0.3224 | 0.0847 | 2.8000e-003 | 0.0875 | | 287.7168 | 287.7168 | 0.0163 | | 288.0589 |
| Total | 0.9319 | 3.2509 | 12.4973 | 0.0185 | 1.0682 | 0.0624 | 1.1305 | 0.2777 | 0.0574 | 0.3351 | | 1,618.3934 | 1,618.3934 | 0.0285 | | 1,618.9911 |

3.2 Creek Work - 2022

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 8.7378 | 0.0000 | 8.7378 | 3.6063 | 0.0000 | 3.6063 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.8808 | 38.1974 | 43.2122 | 0.0706 | | 1.5723 | 1.5723 | | 1.5723 | 1.5723 | 0.0000 | 6,832.5817 | 6,832.5817 | 2.2098 | | 6,878.9874 |
| Total | 1.8808 | 38.1974 | 43.2122 | 0.0706 | 8.7378 | 1.5723 | 10.3101 | 3.6063 | 1.5723 | 5.1785 | 0.0000 | 6,832.5817 | 6,832.5817 | 2.2098 | | 6,878.9874 |

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 | 0.8223 | 3.0961 | 10.9525 | 0.0143 | 0.7488 | 0.0593 | 0.8082 | 0.1930 | 0.0546 | 0.2476 | | 1,330.6766 | 1,330.6766 | 0.0122 | | 1,330.9322 |
| 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 | 0.1096 | 0.1548 | 1.5448 | 4.2200e-003 | 0.3193 | 3.0300e-003 | 0.3224 | 0.0847 | 2.8000e-003 | 0.0875 | | 287.7168 | 287.7168 | 0.0163 | | 288.0589 |
| Total | 0.9319 | 3.2509 | 12.4973 | 0.0185 | 1.0682 | 0.0624 | 1.1305 | 0.2777 | 0.0574 | 0.3351 | | 1,618.3934 | 1,618.3934 | 0.0285 | | 1,618.9911 |

3.2 Creek Work - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 8.7378 | 0.0000 | 8.7378 | 3.6063 | 0.0000 | 3.6063 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.9502 | 39.1499 | 37.5210 | 0.0706 | | 1.7300 | 1.7300 | | 1.5916 | 1.5916 | | 6,833.1725 | 6,833.1725 | 2.2100 | | 6,879.5822 |
| Total | 3.9502 | 39.1499 | 37.5210 | 0.0706 | 8.7378 | 1.7300 | 10.4679 | 3.6063 | 1.5916 | 5.1979 | | 6,833.1725 | 6,833.1725 | 2.2100 | | 6,879.5822 |

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 | 0.7668 | 2.9397 | 10.3956 | 0.0143 | 4.7907 | 0.0567 | 4.8474 | 1.1851 | 0.0522 | 1.2372 | | 1,329.9396 | 1,329.9396 | 0.0119 | | 1,330.1884 |
| 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 | 0.0989 | 0.1406 | 1.3703 | 4.2100e-003 | 0.3193 | 2.9200e-003 | 0.3223 | 0.0847 | 2.7100e-003 | 0.0874 | | 283.6367 | 283.6367 | 0.0154 | | 283.9596 |
| Total | 0.8657 | 3.0803 | 11.7660 | 0.0185 | 5.1101 | 0.0596 | 5.1697 | 1.2698 | 0.0549 | 1.3246 | | 1,613.5763 | 1,613.5763 | 0.0272 | | 1,614.1480 |

3.2 Creek Work - 2023

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 8.7378 | 0.0000 | 8.7378 | 3.6063 | 0.0000 | 3.6063 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.8808 | 38.1974 | 43.2122 | 0.0706 | | 1.5723 | 1.5723 | | 1.5723 | 1.5723 | 0.0000 | 6,833.1725 | 6,833.1725 | 2.2100 | | 6,879.5822 |
| Total | 1.8808 | 38.1974 | 43.2122 | 0.0706 | 8.7378 | 1.5723 | 10.3101 | 3.6063 | 1.5723 | 5.1785 | 0.0000 | 6,833.1725 | 6,833.1725 | 2.2100 | | 6,879.5822 |

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 | 0.7668 | 2.9397 | 10.3956 | 0.0143 | 4.7907 | 0.0567 | 4.8474 | 1.1851 | 0.0522 | 1.2372 | | 1,329.9396 | 1,329.9396 | 0.0119 | | 1,330.1884 |
| 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 | 0.0989 | 0.1406 | 1.3703 | 4.2100e-003 | 0.3193 | 2.9200e-003 | 0.3223 | 0.0847 | 2.7100e-003 | 0.0874 | | 283.6367 | 283.6367 | 0.0154 | | 283.9596 |
| Total | 0.8657 | 3.0803 | 11.7660 | 0.0185 | 5.1101 | 0.0596 | 5.1697 | 1.2698 | 0.0549 | 1.3246 | | 1,613.5763 | 1,613.5763 | 0.0272 | | 1,614.1480 |

3.3 Structure Movement - 2023**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.0058 | 10.1765 | 10.8620 | 0.0177 | | 0.5133 | 0.5133 | | 0.4723 | 0.4723 | | 1,714.1139 | 1,714.1139 | 0.5544 | | 1,725.7559 |
| Total | 1.0058 | 10.1765 | 10.8620 | 0.0177 | | 0.5133 | 0.5133 | | 0.4723 | 0.4723 | | 1,714.1139 | 1,714.1139 | 0.5544 | | 1,725.7559 |

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 | 0.0108 | 0.0412 | 0.1458 | 2.0000e-004 | 4.4000e-003 | 8.0000e-004 | 5.2000e-003 | 1.2100e-003 | 7.3000e-004 | 1.9400e-003 | | 18.6559 | 18.6559 | 1.7000e-004 | | 18.6594 |
| 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 | 0.0989 | 0.1406 | 1.3703 | 4.2100e-003 | 0.3193 | 2.9200e-003 | 0.3223 | 0.0847 | 2.7100e-003 | 0.0874 | | 283.6367 | 283.6367 | 0.0154 | | 283.9596 |
| Total | 0.1097 | 0.1818 | 1.5161 | 4.4100e-003 | 0.3237 | 3.7200e-003 | 0.3275 | 0.0859 | 3.4400e-003 | 0.0893 | | 302.2926 | 302.2926 | 0.0156 | | 302.6190 |

3.3 Structure Movement - 2023

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.4338 | 9.4799 | 12.2624 | 0.0177 | | 0.5889 | 0.5889 | | 0.5889 | 0.5889 | 0.0000 | 1,714.1139 | 1,714.1139 | 0.5544 | | 1,725.7559 |
| Total | 0.4338 | 9.4799 | 12.2624 | 0.0177 | | 0.5889 | 0.5889 | | 0.5889 | 0.5889 | 0.0000 | 1,714.1139 | 1,714.1139 | 0.5544 | | 1,725.7559 |

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 | 0.0108 | 0.0412 | 0.1458 | 2.0000e-004 | 4.4000e-003 | 8.0000e-004 | 5.2000e-003 | 1.2100e-003 | 7.3000e-004 | 1.9400e-003 | | 18.6559 | 18.6559 | 1.7000e-004 | | 18.6594 |
| 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 | 0.0989 | 0.1406 | 1.3703 | 4.2100e-003 | 0.3193 | 2.9200e-003 | 0.3223 | 0.0847 | 2.7100e-003 | 0.0874 | | 283.6367 | 283.6367 | 0.0154 | | 283.9596 |
| Total | 0.1097 | 0.1818 | 1.5161 | 4.4100e-003 | 0.3237 | 3.7200e-003 | 0.3275 | 0.0859 | 3.4400e-003 | 0.0893 | | 302.2926 | 302.2926 | 0.0156 | | 302.6190 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|---------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-------------|-------------|--------|-----|-------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 4.4035 | 18.1975 | 51.1232 | 0.1827 | 8.0635 | 0.4681 | 8.5316 | 2.1757 | 0.4310 | 2.6066 | | 15,066.0156 | 15,066.0156 | 0.2733 | | 15,071.7553 |
| Unmitigated | 4.4035 | 18.1975 | 51.1232 | 0.1827 | 8.0635 | 0.4681 | 8.5316 | 2.1757 | 0.4310 | 2.6066 | | 15,066.0156 | 15,066.0156 | 0.2733 | | 15,071.7553 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|----------------------------|-------------------------|---------------|---------------|------------------|------------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Mobile Home Park | 763.47 | 765.00 | 667.08 | 2,788,737 | 2,788,737 |
| Other Non-Asphalt Surfaces | 0.00 | 0.00 | 0.00 | | |
| Single Family Housing | 210.54 | 221.76 | 192.94 | 779,550 | 779,550 |
| Total | 974.01 | 986.76 | 860.02 | 3,568,286 | 3,568,286 |

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 |
| Mobile Home Park | 16.80 | 7.10 | 7.90 | 42.30 | 19.60 | 38.10 | 86 | 11 | 3 |
| Other Non-Asphalt Surfaces | 14.70 | 6.60 | 6.60 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Single Family Housing | 16.80 | 7.10 | 7.90 | 42.30 | 19.60 | 38.10 | 86 | 11 | 3 |

| LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 0.263377 | 0.094099 | 0.139716 | 0.127801 | 0.094387 | 0.010072 | 0.012851 | 0.241760 | 0.002644 | 0.001157 | 0.006459 | 0.001715 | 0.003962 |

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 | 0.0340 | 0.2909 | 0.1238 | 1.8600e-003 | | 0.0235 | 0.0235 | | 0.0235 | 0.0235 | | 371.3675 | 371.3675 | 7.1200e-003 | 6.8100e-003 | 373.6276 |
| NaturalGas Unmitigated | 0.0340 | 0.2909 | 0.1238 | 1.8600e-003 | | 0.0235 | 0.0235 | | 0.0235 | 0.0235 | | 371.3675 | 371.3675 | 7.1200e-003 | 6.8100e-003 | 373.6276 |

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 | | | | | |
| Single Family Housing | 1074.76 | 0.0116 | 0.0991 | 0.0422 | 6.3000e-004 | | 8.0100e-003 | 8.0100e-003 | | 8.0100e-003 | 8.0100e-003 | | 126.4427 | 126.4427 | 2.4200e-003 | 2.3200e-003 | 127.2123 |
| Mobile Home Park | 2081.86 | 0.0225 | 0.1919 | 0.0816 | 1.2200e-003 | | 0.0155 | 0.0155 | | 0.0155 | 0.0155 | | 244.9248 | 244.9248 | 4.6900e-003 | 4.4900e-003 | 246.4153 |
| 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 |
| Total | | 0.0340 | 0.2909 | 0.1238 | 1.8500e-003 | | 0.0235 | 0.0235 | | 0.0235 | 0.0235 | | 371.3675 | 371.3675 | 7.1100e-003 | 6.8100e-003 | 373.6276 |

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 | | | | | |
| Single Family Housing | 1.07476 | 0.0116 | 0.0991 | 0.0422 | 6.3000e-004 | | 8.0100e-003 | 8.0100e-003 | | 8.0100e-003 | 8.0100e-003 | | 126.4427 | 126.4427 | 2.4200e-003 | 2.3200e-003 | 127.2123 |
| Mobile Home Park | 2.08186 | 0.0225 | 0.1919 | 0.0816 | 1.2200e-003 | | 0.0155 | 0.0155 | | 0.0155 | 0.0155 | | 244.9248 | 244.9248 | 4.6900e-003 | 4.4900e-003 | 246.4153 |
| 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 |
| Total | | 0.0340 | 0.2909 | 0.1238 | 1.8500e-003 | | 0.0235 | 0.0235 | | 0.0235 | 0.0235 | | 371.3675 | 371.3675 | 7.1100e-003 | 6.8100e-003 | 373.6276 |

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 | 323.2897 | 3.7996 | 344.3154 | 0.1296 | | 46.4325 | 46.4325 | | 46.4311 | 46.4311 | 4,860.0529 | 2,064.2407 | 6,924.2936 | 4.5098 | 0.3823 | 7,137.5060 |
| Unmitigated | 323.2897 | 3.7996 | 344.3154 | 0.1296 | | 46.4325 | 46.4325 | | 46.4311 | 46.4311 | 4,860.0529 | 2,064.2407 | 6,924.2936 | 4.5098 | 0.3823 | 7,137.5060 |

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 | 12.9762 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 42.0638 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Hearth | 267.8191 | 3.6336 | 329.9244 | 0.1289 | | 46.3524 | 46.3524 | | 46.3510 | 46.3510 | 4,860.0529 | 2,038.2353 | 6,898.2882 | 4.4850 | 0.3823 | 7,110.9804 |
| Landscaping | 0.4305 | 0.1660 | 14.3910 | 7.6000e-004 | | 0.0801 | 0.0801 | | 0.0801 | 0.0801 | | 26.0054 | 26.0054 | 0.0248 | | 26.5256 |
| Total | 323.2897 | 3.7996 | 344.3154 | 0.1296 | | 46.4325 | 46.4325 | | 46.4311 | 46.4311 | 4,860.0529 | 2,064.2407 | 6,924.2936 | 4.5098 | 0.3823 | 7,137.5060 |

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 | 12.9762 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 42.0638 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Hearth | 267.8191 | 3.6336 | 329.9244 | 0.1289 | | 46.3524 | 46.3524 | | 46.3510 | 46.3510 | 4,860.0529 | 2,038.2353 | 6,898.2882 | 4.4850 | 0.3823 | 7,110.9804 |
| Landscaping | 0.4305 | 0.1660 | 14.3910 | 7.6000e-004 | | 0.0801 | 0.0801 | | 0.0801 | 0.0801 | | 26.0054 | 26.0054 | 0.0248 | | 26.5256 |
| Total | 323.2897 | 3.7996 | 344.3154 | 0.1296 | | 46.4325 | 46.4325 | | 46.4311 | 46.4311 | 4,860.0529 | 2,064.2407 | 6,924.2936 | 4.5098 | 0.3823 | 7,137.5060 |

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 Vegetation
