

Appendix A

AQ/GHG Emissions Summary

- Attachment A-1: AQ/GHG Emissions Summary
- Attachment A-2: AQ GHG Inputs
- Attachment A-3: CalEEMod Output

Attachment A-1

AQ/GHG Emissions Summary

AQ Emissions

Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total |
|----------------|-------------|--------------|--------------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|
| Year | lb/day | | | | | | | | | |
| 2024 | 4.57 | 43.91 | 36.19 | 0.08 | 5.42 | 1.97 | 7.62 | 2.77 | 1.81 | 4.61 |
| 2030 | 2.87 | 15.14 | 27.26 | 0.06 | 0.36 | 0.48 | 0.80 | 0.10 | 0.48 | 0.57 |
| Maximum | 4.57 | 43.91 | 36.19 | 0.08 | 5.42 | 1.97 | 7.62 | 2.77 | 1.81 | 4.61 |

Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total |
|--------------|-------------|-------------|-------------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|
| Category | lb/day | | | | | | | | | |
| Total | 0.01 | 0.01 | 0.10 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 |

GHG Emissions

Construction

| | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|-------------|---------------|---------------|-------------|-------------|---------------|
| Year | MT/yr | | | | | |
| 2024 | 0.00 | 414.49 | 414.49 | 0.12 | 0.01 | 418.98 |
| 2030 | 0.00 | 549.59 | 549.59 | 0.02 | 0.00 | 551.23 |
| Maximum | 0.00 | 964.08 | 964.08 | 0.14 | 0.01 | 970.21 |

Operation

| | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Year | MT/yr | | | | | |
| Per year | 0.00 | 0.93 | 0.93 | 0.00 | 0.00 | 0.95 |

Attachment A-2

AQ GHG Inputs

Construction

| Phases | Phase Type | Start Date | End Date | Days | Equipment | Quantity | Hours of Use/Day | Employee Vehicles (one way per day) | Water Truck Trips (one way per day) | Heavy Haul (total one way trips) |
|------------------------------------|--------------------|------------|------------|------|---------------------------|----------|------------------|-------------------------------------|-------------------------------------|----------------------------------|
| Construction Preparation and Site | Grading | 2024/02/01 | 2024/03/13 | 30 | Graders | 2 | 8 | 20 | 10 | 20 |
| | | | | | Rubber Tired Dozers | 2 | 8 | | | |
| | | | | | Tractors/Loaders/Backhoes | 2 | 8 | | | |
| | | | | | Sheepsfoot Roller | 2 | 8 | | | |
| | | | | | Smooth Drum Roller | 1 | 8 | | | |
| Excavation and Undergrounding | Trenching | 2024/03/14 | 2024/08/07 | 105 | Bulldozers | 2 | 8 | 20 | 6 | 20 |
| | | | | | Tractors/Loaders/Backhoes | 2 | 8 | | | |
| | | | | | Excavator | 2 | 8 | | | |
| | | | | | Sheepsfoot Roller | 2 | 8 | | | |
| | | | | | Smooth Drum Roller | 1 | 8 | | | |
| Foundation Installation | Site Preparation | 2024/08/06 | 2024/10/07 | 45 | Cement and Mortar Mixers | 1 | 8 | 20 | 6 | 220 |
| | | | | | Plate Compactors | 1 | 8 | | | |
| | | | | | Excavator | 2 | 8 | | | |
| | | | | | Tractors/Loaders/Backhoes | 2 | 8 | | | |
| Electrical Work | Building Construct | 2024/10/08 | 2024/11/25 | 35 | Bulldozer | 2 | 8 | 20 | 6 | 30 |
| | | | | | Tractors/Loaders/Backhoes | 2 | 8 | | | |
| | | | | | Excavator | 2 | 8 | | | |
| BESS Enclosure Installation and El | Building Construct | 2024/11/26 | 2024/12/30 | 25 | Cranes | 2 | 8 | 20 | 6 | 210 |

Decommissioning

| Phases | Phase Type | Start Date | End Date | Days | Equipment | Quantity | Hours of Use/Day | Employee Vehicles (one way per day) | Water Truck Trips (one way per day) | Heavy Haul (total one way trips) |
|---|--|------------|------------|------|----------------------------|----------|------------------|-------------------------------------|-------------------------------------|----------------------------------|
| Enclosure Decommissioning | Enclosure Remova | 2030/01/01 | 2030/02/25 | 15 | Tanker Truck | 58 | 8 | 20 | 6 | 140 |
| | | | | | Crane | 1 | 8 | | | |
| Balance of Plant Decommissioning & Site Restoration | Removal of foundations, electrical equipment, and other site | 2030/02/26 | 2030/12/02 | 200 | Bulldozer | 2 | 8 | 20 | 6 | 200 |
| | | | | | Tractors/Loaders/Back hoes | 2 | 8 | | | |
| | | | | | Excavator | 2 | 8 | | | |
| | | | | | Sheepsfoot Roller | 2 | 8 | | | |
| | | | | | Smooth Drum Roller | 1 | 8 | | | |

Attachment A-3

CalEEMod Output

Form Energy - Mendocino-Inland County, Winter

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

**Form Energy
Mendocino-Inland County, Winter**

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|------------------------|--------|----------|-------------|--------------------|------------|
| General Heavy Industry | 217.80 | 1000sqft | 5.00 | 217,800.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|--------------------------------|-------|--------------------------------|-----|----------------------------------|------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 86 |
| Climate Zone | 1 | | | Operational Year | 2025 |
| Utility Company | | | | | |
| CO2 Intensity (lb/MWhr) | 0 | CH4 Intensity (lb/MWhr) | 0 | N2O Intensity (lb/MWhr) | 0 |

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use -
- Construction Phase - Phases from RFI responses.
- Off-road Equipment - RFI responses plus assumptions
- Off-road Equipment - RFI Responses
- Off-road Equipment - RFI 2
- Off-road Equipment - RFI no 3
- Off-road Equipment - RFI responses plus assumptions
- Off-road Equipment - RFI responses plus assumptions
- Off-road Equipment - RFI No3
- Trips and VMT - RFI and CatEx. 10 trips for day for water trucks during material moving phases.

Form Energy - Mendocino-Inland County, Winter

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

On-road Fugitive Dust - On road vehicles will travel on fully paved roads

Grading - RFI responses and assumptions

Vehicle Trips - Operated remotely, 5 water trucks a month, occasional maintenance.

Road Dust - Road to site paved

Consumer Products - no consumer products

Area Coating -

Energy Use - RFI responses

Water And Wastewater - Operated remotely

Solid Waste - Operated remotely

Construction Off-road Equipment Mitigation -

| Table Name | Column Name | Default Value | New Value |
|------------------------|---------------------------------|---------------|-----------|
| tblAreaCoating | ReapplicationRatePercent | 10 | 0 |
| tblConstDustMitigation | WaterUnpavedRoadMoistureContent | 0 | 0.5 |
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed | 0 | 10 |
| tblConstructionPhase | NumDays | 440.00 | 35.00 |
| tblConstructionPhase | NumDays | 440.00 | 25.00 |
| tblConstructionPhase | NumDays | 30.00 | 40.00 |
| tblConstructionPhase | NumDays | 30.00 | 200.00 |
| tblConstructionPhase | NumDays | 45.00 | 30.00 |
| tblConstructionPhase | NumDays | 20.00 | 45.00 |
| tblConsumerProducts | ROG_EF | 2.14E-05 | 0 |
| tblConsumerProducts | ROG_EF_Degreaser | 3.542E-07 | 0 |
| tblConsumerProducts | ROG_EF_PesticidesFertilizers | 5.152E-08 | 0 |
| tblEnergyUse | LightingElect | 1.81 | 0.00 |
| tblEnergyUse | NT24E | 1.85 | 0.00 |
| tblEnergyUse | NT24NG | 0.31 | 0.00 |
| tblEnergyUse | T24E | 0.56 | 0.00 |
| tblEnergyUse | T24NG | 3.17 | 0.00 |

Form Energy - Mendocino-Inland County, Winter

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

| | | | |
|----------------|--------------------------|----------|--------|
| tblOnRoadDust | VendorPercentPave | 80.00 | 100.00 |
| tblOnRoadDust | VendorPercentPave | 80.00 | 100.00 |
| tblOnRoadDust | VendorPercentPave | 80.00 | 100.00 |
| tblOnRoadDust | VendorPercentPave | 80.00 | 100.00 |
| tblOnRoadDust | WorkerPercentPave | 80.00 | 100.00 |
| tblOnRoadDust | WorkerPercentPave | 80.00 | 100.00 |
| tblOnRoadDust | WorkerPercentPave | 80.00 | 100.00 |
| tblOnRoadDust | WorkerPercentPave | 80.00 | 100.00 |
| tblOnRoadDust | WorkerPercentPave | 80.00 | 100.00 |
| tblOnRoadDust | WorkerPercentPave | 80.00 | 100.00 |
| tblOnRoadDust | WorkerPercentPave | 80.00 | 100.00 |
| tblOnRoadDust | WorkerPercentPave | 80.00 | 100.00 |
| tblOnRoadDust | WorkerPercentPave | 80.00 | 100.00 |
| tblOnRoadDust | WorkerPercentPave | 80.00 | 100.00 |
| tblRoadDust | RoadPercentPave | 80 | 100 |
| tblSolidWaste | SolidWasteGenerationRate | 1,598.36 | 0.00 |
| tblTripsAndVMT | HaulingTripLength | 20.00 | 0.00 |
| tblTripsAndVMT | HaulingTripLength | 20.00 | 0.00 |
| tblTripsAndVMT | HaulingTripNumber | 250.00 | 20.00 |
| tblTripsAndVMT | HaulingTripNumber | 0.00 | 20.00 |
| tblTripsAndVMT | HaulingTripNumber | 250.00 | 220.00 |
| tblTripsAndVMT | HaulingTripNumber | 0.00 | 30.00 |
| tblTripsAndVMT | HaulingTripNumber | 0.00 | 210.00 |
| tblTripsAndVMT | HaulingTripNumber | 0.00 | 140.00 |
| tblTripsAndVMT | HaulingTripNumber | 0.00 | 200.00 |
| tblTripsAndVMT | VendorTripLength | 7.30 | 0.00 |
| tblTripsAndVMT | VendorTripLength | 7.30 | 0.00 |
| tblTripsAndVMT | VendorTripNumber | 0.00 | 10.00 |
| tblTripsAndVMT | VendorTripNumber | 0.00 | 6.00 |
| tblTripsAndVMT | VendorTripNumber | 0.00 | 6.00 |

Form Energy - Mendocino-Inland County, Winter

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

| | | | |
|-----------------|--------------------|----------------|-------|
| tbITripsAndVMT | VendorTripNumber | 211.00 | 6.00 |
| tbITripsAndVMT | VendorTripNumber | 211.00 | 0.00 |
| tbITripsAndVMT | VendorTripNumber | 211.00 | 0.00 |
| tbITripsAndVMT | VendorTripNumber | 211.00 | 6.00 |
| tbITripsAndVMT | VendorTripNumber | 0.00 | 6.00 |
| tbITripsAndVMT | VendorTripNumber | 0.00 | 6.00 |
| tbITripsAndVMT | WorkerTripLength | 10.80 | 16.80 |
| tbITripsAndVMT | WorkerTripLength | 10.80 | 16.80 |
| tbITripsAndVMT | WorkerTripLength | 10.80 | 16.80 |
| tbITripsAndVMT | WorkerTripLength | 10.80 | 16.80 |
| tbITripsAndVMT | WorkerTripLength | 10.80 | 0.00 |
| tbITripsAndVMT | WorkerTripLength | 10.80 | 0.00 |
| tbITripsAndVMT | WorkerTripLength | 10.80 | 16.80 |
| tbITripsAndVMT | WorkerTripLength | 10.80 | 16.80 |
| tbITripsAndVMT | WorkerTripLength | 10.80 | 16.80 |
| tbITripsAndVMT | WorkerTripLength | 10.80 | 16.80 |
| tbITripsAndVMT | WorkerTripNumber | 23.00 | 20.00 |
| tbITripsAndVMT | WorkerTripNumber | 23.00 | 20.00 |
| tbITripsAndVMT | WorkerTripNumber | 15.00 | 20.00 |
| tbITripsAndVMT | WorkerTripNumber | 541.00 | 20.00 |
| tbITripsAndVMT | WorkerTripNumber | 541.00 | 0.00 |
| tbITripsAndVMT | WorkerTripNumber | 541.00 | 0.00 |
| tbITripsAndVMT | WorkerTripNumber | 541.00 | 20.00 |
| tbITripsAndVMT | WorkerTripNumber | 3.00 | 20.00 |
| tbITripsAndVMT | WorkerTripNumber | 25.00 | 20.00 |
| tbIVehicleTrips | ST_TR | 6.42 | 0.00 |
| tbIVehicleTrips | SU_TR | 5.09 | 0.00 |
| tbIVehicleTrips | WD_TR | 3.93 | 0.01 |
| tblWater | IndoorWaterUseRate | 298,081,250.00 | 0.00 |

Form Energy - Mendocino-Inland County, Winter

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

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 | | | | | |
| 2024 | 4.5726 | 43.9115 | 36.1862 | 0.0756 | 12.8431 | 1.9686 | 14.8118 | 6.8165 | 1.8135 | 8.6299 | 0.0000 | 7,355.1861 | 7,355.1861 | 2.0552 | 0.1083 | 7,437.0027 |
| 2030 | 2.8734 | 15.1401 | 27.2579 | 0.0612 | 0.3574 | 0.4817 | 0.7953 | 0.0963 | 0.4815 | 0.5657 | 0.0000 | 5,826.8838 | 5,826.8838 | 0.2512 | 0.0504 | 5,841.9624 |
| Maximum | 4.5726 | 43.9115 | 36.1862 | 0.0756 | 12.8431 | 1.9686 | 14.8118 | 6.8165 | 1.8135 | 8.6299 | 0.0000 | 7,355.1861 | 7,355.1861 | 2.0552 | 0.1083 | 7,437.0027 |

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 | | | | | |
| 2024 | 4.5726 | 43.9115 | 36.1862 | 0.0756 | 5.4243 | 1.9686 | 7.3930 | 2.7702 | 1.8135 | 4.5837 | 0.0000 | 7,355.1861 | 7,355.1861 | 2.0552 | 0.1083 | 7,437.0027 |
| 2030 | 2.8734 | 15.1401 | 27.2579 | 0.0612 | 0.3574 | 0.4817 | 0.7953 | 0.0963 | 0.4815 | 0.5657 | 0.0000 | 5,826.8838 | 5,826.8838 | 0.2512 | 0.0504 | 5,841.9624 |
| Maximum | 4.5726 | 43.9115 | 36.1862 | 0.0756 | 5.4243 | 1.9686 | 7.3930 | 2.7702 | 1.8135 | 4.5837 | 0.0000 | 7,355.1861 | 7,355.1861 | 2.0552 | 0.1083 | 7,437.0027 |

Form Energy - Mendocino-Inland County, Winter

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

2.2 Overall Operational

Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|----------|----------------|----------------|--------------------|--------------------|----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 2.0400e-003 | 2.0000e-004 | 0.0222 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | | 0.0477 | 0.0477 | 1.2000e-004 | | 0.0508 |
| 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 | 8.0700e-003 | 0.0133 | 0.0752 | 1.3000e-004 | 0.0134 | 1.4000e-004 | 0.0136 | 3.5800e-003 | 1.3000e-004 | 3.7100e-003 | | 12.9689 | 12.9689 | 9.8000e-004 | 7.8000e-004 | 13.2256 |
| Total | 0.0101 | 0.0135 | 0.0974 | 1.3000e-004 | 0.0134 | 2.2000e-004 | 0.0137 | 3.5800e-003 | 2.1000e-004 | 3.7900e-003 | | 13.0165 | 13.0165 | 1.1000e-003 | 7.8000e-004 | 13.2764 |

Mitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|----------|----------------|----------------|--------------------|--------------------|----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 2.0400e-003 | 2.0000e-004 | 0.0222 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | | 0.0477 | 0.0477 | 1.2000e-004 | | 0.0508 |
| 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 | 8.0700e-003 | 0.0133 | 0.0752 | 1.3000e-004 | 0.0134 | 1.4000e-004 | 0.0136 | 3.5800e-003 | 1.3000e-004 | 3.7100e-003 | | 12.9689 | 12.9689 | 9.8000e-004 | 7.8000e-004 | 13.2256 |
| Total | 0.0101 | 0.0135 | 0.0974 | 1.3000e-004 | 0.0134 | 2.2000e-004 | 0.0137 | 3.5800e-003 | 2.1000e-004 | 3.7900e-003 | | 13.0165 | 13.0165 | 1.1000e-003 | 7.8000e-004 | 13.2764 |

Form Energy - Mendocino-Inland County, Winter

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

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

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|--|-----------------------|------------|------------|---------------|----------|-------------------|
| 1 | Construction Preparation and Site Grading | Grading | 2/1/2024 | 3/13/2024 | 5 | 30 | |
| 2 | Excavation and Undergrounding | Trenching | 3/14/2024 | 8/7/2024 | 5 | 105 | |
| 3 | Foundation Installation | Site Preparation | 8/6/2024 | 10/7/2024 | 5 | 45 | |
| 4 | Electrical Work | Building Construction | 10/8/2024 | 11/25/2024 | 5 | 35 | |
| 5 | BESS Enclosure Installation and Electrolyte Fill | Building Construction | 11/26/2024 | 12/30/2024 | 5 | 25 | |
| 6 | Enclosure Decommissioning | Demolition | 1/1/2030 | 2/25/2030 | 5 | 40 | |
| 7 | Restoration | Demolition | 2/26/2030 | 12/2/2030 | 5 | 200 | |

Acres of Grading (Site Preparation Phase): 5

Acres of Grading (Grading Phase): 5

Acres of Paving: 0

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

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|------------------------|--------|-------------|-------------|-------------|
| Construction Preparation and Site Grading | Graders | 2 | 8.00 | 187 | 0.41 |
| Construction Preparation and Site Grading | Rollers | 3 | 8.00 | 80 | 0.38 |
| Construction Preparation and Site Grading | Rubber Tired Dozers | 2 | 8.00 | 247 | 0.40 |

Form Energy - Mendocino-Inland County, Winter

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

| | | | | | |
|--|---------------------------|---|------|-----|------|
| Construction Preparation and Site Grading | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Excavation and Undergrounding | Excavators | 2 | 8.00 | 158 | 0.38 |
| Excavation and Undergrounding | Rollers | 3 | 8.00 | 80 | 0.38 |
| Excavation and Undergrounding | Rubber Tired Dozers | 2 | 8.00 | 247 | 0.40 |
| Excavation and Undergrounding | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Foundation Installation | Cement and Mortar Mixers | 1 | 8.00 | 9 | 0.56 |
| Foundation Installation | Plate Compactors | 1 | 8.00 | 8 | 0.43 |
| Foundation Installation | Rubber Tired Dozers | 2 | 8.00 | 247 | 0.40 |
| Foundation Installation | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Electrical Work | Excavators | 2 | 8.00 | 158 | 0.38 |
| Electrical Work | Rubber Tired Dozers | 2 | 8.00 | 247 | 0.40 |
| Electrical Work | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| BESS Enclosure Installation and Electrolyte Fill | Cranes | 2 | 8.00 | 231 | 0.29 |
| Enclosure Decommissioning | Cranes | 1 | 8.00 | 231 | 0.29 |
| Restoration | Crushing/Proc. Equipment | 1 | 8.00 | 85 | 0.78 |
| Restoration | Excavators | 2 | 8.00 | 158 | 0.38 |
| Restoration | Rollers | 3 | 8.00 | 80 | 0.38 |
| Restoration | Rubber Tired Dozers | 2 | 8.00 | 247 | 0.40 |
| Restoration | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |

Trips and VMT

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Construction Preparation and Site | 9 | 20.00 | 10.00 | 20.00 | 16.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Excavation and Undergrounding | 9 | 20.00 | 6.00 | 20.00 | 16.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Foundation Installation | 6 | 20.00 | 6.00 | 220.00 | 16.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Electrical Work | 6 | 20.00 | 6.00 | 30.00 | 16.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Electrical Work | 6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | LD_Mix | HDT_Mix | HHDT |

Form Energy - Mendocino-Inland County, Winter

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

| | | | | | | | | | | |
|--|----|-------|------|--------|-------|------|-------|--------|---------|------|
| Electrical Work | 6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | LD_Mix | HDT_Mix | HHDT |
| BESS Enclosure Installation and Electr | 2 | 20.00 | 6.00 | 210.00 | 16.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Enclosure Decommissioning | 1 | 20.00 | 6.00 | 140.00 | 16.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Restoration | 10 | 20.00 | 6.00 | 200.00 | 16.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Construction Preparation and Site Grading - 2024

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 | | | | | 12.2210 | 0.0000 | 12.2210 | 6.6396 | 0.0000 | 6.6396 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.8243 | 30.0362 | 19.5964 | 0.0444 | | 1.2868 | 1.2868 | | 1.1839 | 1.1839 | | 4,300.9476 | 4,300.9476 | 1.3910 | | 4,335.7229 |
| Total | 2.8243 | 30.0362 | 19.5964 | 0.0444 | 12.2210 | 1.2868 | 13.5078 | 6.6396 | 1.1839 | 7.8234 | | 4,300.9476 | 4,300.9476 | 1.3910 | | 4,335.7229 |

Form Energy - Mendocino-Inland County, Winter

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

3.2 Construction Preparation and Site Grading - 2024

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 | 1.6800e-003 | 0.1008 | 0.0202 | 3.9000e-004 | 0.0117 | 8.9000e-004 | 0.0126 | 3.2000e-003 | 8.5000e-004 | 4.0500e-003 | | 41.4404 | 41.4404 | 8.0000e-005 | 6.5100e-003 | 43.3832 |
| Vendor | 0.0208 | 0.5462 | 0.1873 | 2.0700e-003 | 0.0677 | 3.5200e-003 | 0.0713 | 0.0195 | 3.3700e-003 | 0.0229 | | 218.2420 | 218.2420 | 9.6000e-004 | 0.0312 | 227.5751 |
| Worker | 0.1412 | 0.0931 | 0.8710 | 2.0500e-003 | 0.2555 | 1.4300e-003 | 0.2569 | 0.0678 | 1.3200e-003 | 0.0691 | | 207.3024 | 207.3024 | 7.0900e-003 | 7.5200e-003 | 209.7191 |
| Total | 0.1637 | 0.7401 | 1.0785 | 4.5100e-003 | 0.3349 | 5.8400e-003 | 0.3407 | 0.0905 | 5.5400e-003 | 0.0960 | | 466.9848 | 466.9848 | 8.1300e-003 | 0.0453 | 480.6774 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 4.7662 | 0.0000 | 4.7662 | 2.5894 | 0.0000 | 2.5894 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.8243 | 30.0362 | 19.5964 | 0.0444 | | 1.2868 | 1.2868 | | 1.1839 | 1.1839 | 0.0000 | 4,300.9476 | 4,300.9476 | 1.3910 | | 4,335.7229 |
| Total | 2.8243 | 30.0362 | 19.5964 | 0.0444 | 4.7662 | 1.2868 | 6.0530 | 2.5894 | 1.1839 | 3.7733 | 0.0000 | 4,300.9476 | 4,300.9476 | 1.3910 | | 4,335.7229 |

Form Energy - Mendocino-Inland County, Winter

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

3.2 Construction Preparation and Site Grading - 2024

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 | 1.6800e-003 | 0.1008 | 0.0202 | 3.9000e-004 | 0.0117 | 8.9000e-004 | 0.0126 | 3.2000e-003 | 8.5000e-004 | 4.0500e-003 | | 41.4404 | 41.4404 | 8.0000e-005 | 6.5100e-003 | 43.3832 |
| Vendor | 0.0208 | 0.5462 | 0.1873 | 2.0700e-003 | 0.0677 | 3.5200e-003 | 0.0713 | 0.0195 | 3.3700e-003 | 0.0229 | | 218.2420 | 218.2420 | 9.6000e-004 | 0.0312 | 227.5751 |
| Worker | 0.1412 | 0.0931 | 0.8710 | 2.0500e-003 | 0.2555 | 1.4300e-003 | 0.2569 | 0.0678 | 1.3200e-003 | 0.0691 | | 207.3024 | 207.3024 | 7.0900e-003 | 7.5200e-003 | 209.7191 |
| Total | 0.1637 | 0.7401 | 1.0785 | 4.5100e-003 | 0.3349 | 5.8400e-003 | 0.3407 | 0.0905 | 5.5400e-003 | 0.0960 | | 466.9848 | 466.9848 | 8.1300e-003 | 0.0453 | 480.6774 |

3.3 Excavation and Undergrounding - 2024

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 2.4756 | 24.5305 | 22.8136 | 0.0415 | | 1.1555 | 1.1555 | | 1.0630 | 1.0630 | | 4,020.4634 | 4,020.4634 | 1.3003 | | 4,052.9708 |
| Total | 2.4756 | 24.5305 | 22.8136 | 0.0415 | | 1.1555 | 1.1555 | | 1.0630 | 1.0630 | | 4,020.4634 | 4,020.4634 | 1.3003 | | 4,052.9708 |

Form Energy - Mendocino-Inland County, Winter

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

3.3 Excavation and Undergrounding - 2024

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 | 4.8000e-004 | 0.0288 | 5.7600e-003 | 1.1000e-004 | 3.3300e-003 | 2.5000e-004 | 3.5900e-003 | 9.1000e-004 | 2.4000e-004 | 1.1600e-003 | | 11.8401 | 11.8401 | 2.0000e-005 | 1.8600e-003 | 12.3952 |
| Vendor | 0.0125 | 0.3277 | 0.1124 | 1.2400e-003 | 0.0406 | 2.1100e-003 | 0.0428 | 0.0117 | 2.0200e-003 | 0.0137 | | 130.9452 | 130.9452 | 5.7000e-004 | 0.0187 | 136.5451 |
| Worker | 0.1412 | 0.0931 | 0.8710 | 2.0500e-003 | 0.2555 | 1.4300e-003 | 0.2569 | 0.0678 | 1.3200e-003 | 0.0691 | | 207.3024 | 207.3024 | 7.0900e-003 | 7.5200e-003 | 209.7191 |
| Total | 0.1541 | 0.4496 | 0.9892 | 3.4000e-003 | 0.2994 | 3.7900e-003 | 0.3032 | 0.0804 | 3.5800e-003 | 0.0839 | | 350.0877 | 350.0877 | 7.6800e-003 | 0.0281 | 358.6594 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 2.4756 | 24.5305 | 22.8136 | 0.0415 | | 1.1555 | 1.1555 | | 1.0630 | 1.0630 | 0.0000 | 4,020.4634 | 4,020.4634 | 1.3003 | | 4,052.9708 |
| Total | 2.4756 | 24.5305 | 22.8136 | 0.0415 | | 1.1555 | 1.1555 | | 1.0630 | 1.0630 | 0.0000 | 4,020.4634 | 4,020.4634 | 1.3003 | | 4,052.9708 |

Form Energy - Mendocino-Inland County, Winter

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

3.3 Excavation and Undergrounding - 2024

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 | 4.8000e-004 | 0.0288 | 5.7600e-003 | 1.1000e-004 | 3.3300e-003 | 2.5000e-004 | 3.5900e-003 | 9.1000e-004 | 2.4000e-004 | 1.1600e-003 | | 11.8401 | 11.8401 | 2.0000e-005 | 1.8600e-003 | 12.3952 |
| Vendor | 0.0125 | 0.3277 | 0.1124 | 1.2400e-003 | 0.0406 | 2.1100e-003 | 0.0428 | 0.0117 | 2.0200e-003 | 0.0137 | | 130.9452 | 130.9452 | 5.7000e-004 | 0.0187 | 136.5451 |
| Worker | 0.1412 | 0.0931 | 0.8710 | 2.0500e-003 | 0.2555 | 1.4300e-003 | 0.2569 | 0.0678 | 1.3200e-003 | 0.0691 | | 207.3024 | 207.3024 | 7.0900e-003 | 7.5200e-003 | 209.7191 |
| Total | 0.1541 | 0.4496 | 0.9892 | 3.4000e-003 | 0.2994 | 3.7900e-003 | 0.3032 | 0.0804 | 3.5800e-003 | 0.0839 | | 350.0877 | 350.0877 | 7.6800e-003 | 0.0281 | 358.6594 |

3.4 Foundation Installation - 2024

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 | | | | | 12.1621 | 0.0000 | 12.1621 | 6.6332 | 0.0000 | 6.6332 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.7769 | 17.7713 | 11.2522 | 0.0245 | | 0.7993 | 0.7993 | | 0.7373 | 0.7373 | | 2,342.4912 | 2,342.4912 | 0.7389 | | 2,360.9648 |
| Total | 1.7769 | 17.7713 | 11.2522 | 0.0245 | 12.1621 | 0.7993 | 12.9614 | 6.6332 | 0.7373 | 7.3705 | | 2,342.4912 | 2,342.4912 | 0.7389 | | 2,360.9648 |

Form Energy - Mendocino-Inland County, Winter

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

3.4 Foundation Installation - 2024

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 | 0.0123 | 0.7392 | 0.1478 | 2.8700e-003 | 0.0855 | 6.5100e-003 | 0.0921 | 0.0235 | 6.2300e-003 | 0.0297 | | 303.8963 | 303.8963 | 5.8000e-004 | 0.0478 | 318.1435 |
| Vendor | 0.0125 | 0.3277 | 0.1124 | 1.2400e-003 | 0.0406 | 2.1100e-003 | 0.0428 | 0.0117 | 2.0200e-003 | 0.0137 | | 130.9452 | 130.9452 | 5.7000e-004 | 0.0187 | 136.5451 |
| Worker | 0.1412 | 0.0931 | 0.8710 | 2.0500e-003 | 0.2555 | 1.4300e-003 | 0.2569 | 0.0678 | 1.3200e-003 | 0.0691 | | 207.3024 | 207.3024 | 7.0900e-003 | 7.5200e-003 | 209.7191 |
| Total | 0.1660 | 1.1600 | 1.1312 | 6.1600e-003 | 0.3816 | 0.0101 | 0.3917 | 0.1029 | 9.5700e-003 | 0.1125 | | 642.1438 | 642.1438 | 8.2400e-003 | 0.0740 | 664.4077 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 4.7432 | 0.0000 | 4.7432 | 2.5869 | 0.0000 | 2.5869 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.7769 | 17.7713 | 11.2522 | 0.0245 | | 0.7993 | 0.7993 | | 0.7373 | 0.7373 | 0.0000 | 2,342.4912 | 2,342.4912 | 0.7389 | | 2,360.9648 |
| Total | 1.7769 | 17.7713 | 11.2522 | 0.0245 | 4.7432 | 0.7993 | 5.5425 | 2.5869 | 0.7373 | 3.3243 | 0.0000 | 2,342.4912 | 2,342.4912 | 0.7389 | | 2,360.9648 |

Form Energy - Mendocino-Inland County, Winter

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

3.4 Foundation Installation - 2024

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 | 0.0123 | 0.7392 | 0.1478 | 2.8700e-003 | 0.0855 | 6.5100e-003 | 0.0921 | 0.0235 | 6.2300e-003 | 0.0297 | | 303.8963 | 303.8963 | 5.8000e-004 | 0.0478 | 318.1435 |
| Vendor | 0.0125 | 0.3277 | 0.1124 | 1.2400e-003 | 0.0406 | 2.1100e-003 | 0.0428 | 0.0117 | 2.0200e-003 | 0.0137 | | 130.9452 | 130.9452 | 5.7000e-004 | 0.0187 | 136.5451 |
| Worker | 0.1412 | 0.0931 | 0.8710 | 2.0500e-003 | 0.2555 | 1.4300e-003 | 0.2569 | 0.0678 | 1.3200e-003 | 0.0691 | | 207.3024 | 207.3024 | 7.0900e-003 | 7.5200e-003 | 209.7191 |
| Total | 0.1660 | 1.1600 | 1.1312 | 6.1600e-003 | 0.3816 | 0.0101 | 0.3917 | 0.1029 | 9.5700e-003 | 0.1125 | | 642.1438 | 642.1438 | 8.2400e-003 | 0.0740 | 664.4077 |

3.5 Electrical Work - 2024

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 2.0385 | 19.9575 | 17.2634 | 0.0336 | | 0.9135 | 0.9135 | | 0.8404 | 0.8404 | | 3,258.0262 | 3,258.0262 | 1.0537 | | 3,284.3690 |
| Total | 2.0385 | 19.9575 | 17.2634 | 0.0336 | | 0.9135 | 0.9135 | | 0.8404 | 0.8404 | | 3,258.0262 | 3,258.0262 | 1.0537 | | 3,284.3690 |

Form Energy - Mendocino-Inland County, Winter

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

3.5 Electrical Work - 2024

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 | 2.1600e-003 | 0.1296 | 0.0259 | 5.0000e-004 | 0.0377 | 1.1400e-003 | 0.0388 | 9.6700e-003 | 1.0900e-003 | 0.0108 | | 53.2805 | 53.2805 | 1.0000e-004 | 8.3700e-003 | 55.7784 |
| Vendor | 0.0125 | 0.3277 | 0.1124 | 1.2400e-003 | 0.0986 | 2.1100e-003 | 0.1007 | 0.0259 | 2.0200e-003 | 0.0279 | | 130.9452 | 130.9452 | 5.7000e-004 | 0.0187 | 136.5451 |
| Worker | 0.1412 | 0.0931 | 0.8710 | 2.0500e-003 | 0.6997 | 1.4300e-003 | 0.7011 | 0.1768 | 1.3200e-003 | 0.1781 | | 207.3024 | 207.3024 | 7.0900e-003 | 7.5200e-003 | 209.7191 |
| Total | 0.1558 | 0.5504 | 1.0093 | 3.7900e-003 | 0.8359 | 4.6800e-003 | 0.8406 | 0.2124 | 4.4300e-003 | 0.2168 | | 391.5281 | 391.5281 | 7.7600e-003 | 0.0346 | 402.0426 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 2.0385 | 19.9575 | 17.2634 | 0.0336 | | 0.9135 | 0.9135 | | 0.8404 | 0.8404 | 0.0000 | 3,258.0262 | 3,258.0262 | 1.0537 | | 3,284.3690 |
| Total | 2.0385 | 19.9575 | 17.2634 | 0.0336 | | 0.9135 | 0.9135 | | 0.8404 | 0.8404 | 0.0000 | 3,258.0262 | 3,258.0262 | 1.0537 | | 3,284.3690 |

Form Energy - Mendocino-Inland County, Winter

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

3.5 Electrical Work - 2024

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 | 2.1600e-003 | 0.1296 | 0.0259 | 5.0000e-004 | 0.0377 | 1.1400e-003 | 0.0388 | 9.6700e-003 | 1.0900e-003 | 0.0108 | | 53.2805 | 53.2805 | 1.0000e-004 | 8.3700e-003 | 55.7784 |
| Vendor | 0.0125 | 0.3277 | 0.1124 | 1.2400e-003 | 0.0986 | 2.1100e-003 | 0.1007 | 0.0259 | 2.0200e-003 | 0.0279 | | 130.9452 | 130.9452 | 5.7000e-004 | 0.0187 | 136.5451 |
| Worker | 0.1412 | 0.0931 | 0.8710 | 2.0500e-003 | 0.6997 | 1.4300e-003 | 0.7011 | 0.1768 | 1.3200e-003 | 0.1781 | | 207.3024 | 207.3024 | 7.0900e-003 | 7.5200e-003 | 209.7191 |
| Total | 0.1558 | 0.5504 | 1.0093 | 3.7900e-003 | 0.8359 | 4.6800e-003 | 0.8406 | 0.2124 | 4.4300e-003 | 0.2168 | | 391.5281 | 391.5281 | 7.7600e-003 | 0.0346 | 402.0426 |

3.6 BESS Enclosure Installation and Electrolyte Fill - 2024

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 | 0.6635 | 7.0086 | 3.5494 | 0.0115 | | 0.2916 | 0.2916 | | 0.2683 | 0.2683 | | 1,117.6147 | 1,117.6147 | 0.3615 | | 1,126.6512 |
| Total | 0.6635 | 7.0086 | 3.5494 | 0.0115 | | 0.2916 | 0.2916 | | 0.2683 | 0.2683 | | 1,117.6147 | 1,117.6147 | 0.3615 | | 1,126.6512 |

Form Energy - Mendocino-Inland County, Winter

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

3.6 BESS Enclosure Installation and Electrolyte Fill - 2024

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 | 0.0212 | 1.2701 | 0.2540 | 4.9300e-003 | 0.1470 | 0.0112 | 0.1582 | 0.0403 | 0.0107 | 0.0510 | | 522.1490 | 522.1490 | 9.9000e-004 | 0.0821 | 546.6284 |
| Vendor | 0.0125 | 0.3277 | 0.1124 | 1.2400e-003 | 0.0406 | 2.1100e-003 | 0.0428 | 0.0117 | 2.0200e-003 | 0.0137 | | 130.9452 | 130.9452 | 5.7000e-004 | 0.0187 | 136.5451 |
| Worker | 0.1412 | 0.0931 | 0.8710 | 2.0500e-003 | 0.2555 | 1.4300e-003 | 0.2569 | 0.0678 | 1.3200e-003 | 0.0691 | | 207.3024 | 207.3024 | 7.0900e-003 | 7.5200e-003 | 209.7191 |
| Total | 0.1748 | 1.6909 | 1.2374 | 8.2200e-003 | 0.4431 | 0.0147 | 0.4578 | 0.1197 | 0.0141 | 0.1338 | | 860.3966 | 860.3966 | 8.6500e-003 | 0.1083 | 892.8926 |

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 | 0.6635 | 7.0086 | 3.5494 | 0.0115 | | 0.2916 | 0.2916 | | 0.2683 | 0.2683 | 0.0000 | 1,117.6147 | 1,117.6147 | 0.3615 | | 1,126.6512 |
| Total | 0.6635 | 7.0086 | 3.5494 | 0.0115 | | 0.2916 | 0.2916 | | 0.2683 | 0.2683 | 0.0000 | 1,117.6147 | 1,117.6147 | 0.3615 | | 1,126.6512 |

Form Energy - Mendocino-Inland County, Winter

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

3.6 BESS Enclosure Installation and Electrolyte Fill - 2024

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 | 0.0212 | 1.2701 | 0.2540 | 4.9300e-003 | 0.1470 | 0.0112 | 0.1582 | 0.0403 | 0.0107 | 0.0510 | | 522.1490 | 522.1490 | 9.9000e-004 | 0.0821 | 546.6284 |
| Vendor | 0.0125 | 0.3277 | 0.1124 | 1.2400e-003 | 0.0406 | 2.1100e-003 | 0.0428 | 0.0117 | 2.0200e-003 | 0.0137 | | 130.9452 | 130.9452 | 5.7000e-004 | 0.0187 | 136.5451 |
| Worker | 0.1412 | 0.0931 | 0.8710 | 2.0500e-003 | 0.2555 | 1.4300e-003 | 0.2569 | 0.0678 | 1.3200e-003 | 0.0691 | | 207.3024 | 207.3024 | 7.0900e-003 | 7.5200e-003 | 209.7191 |
| Total | 0.1748 | 1.6909 | 1.2374 | 8.2200e-003 | 0.4431 | 0.0147 | 0.4578 | 0.1197 | 0.0141 | 0.1338 | | 860.3966 | 860.3966 | 8.6500e-003 | 0.1083 | 892.8926 |

3.7 Enclosure Decommissioning - 2030

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 | 0.2647 | 0.8838 | 1.3552 | 7.0900e-003 | | 0.0284 | 0.0284 | | 0.0284 | 0.0284 | | 671.4460 | 671.4460 | 0.0236 | | 672.0368 |
| Total | 0.2647 | 0.8838 | 1.3552 | 7.0900e-003 | | 0.0284 | 0.0284 | | 0.0284 | 0.0284 | | 671.4460 | 671.4460 | 0.0236 | | 672.0368 |

Form Energy - Mendocino-Inland County, Winter

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

3.7 Enclosure Decommissioning - 2030

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 | 8.1500e-003 | 0.4595 | 0.1066 | 1.7600e-003 | 0.0613 | 4.1500e-003 | 0.0654 | 0.0168 | 3.9700e-003 | 0.0208 | | 185.7658 | 185.7658 | 3.8000e-004 | 0.0292 | 194.4749 |
| Vendor | 0.0106 | 0.2877 | 0.0991 | 1.1100e-003 | 0.0407 | 1.8200e-003 | 0.0425 | 0.0117 | 1.7400e-003 | 0.0134 | | 116.5619 | 116.5619 | 4.6000e-004 | 0.0162 | 121.4011 |
| Worker | 0.0985 | 0.0488 | 0.5621 | 1.7300e-003 | 0.2555 | 9.3000e-004 | 0.2564 | 0.0678 | 8.5000e-004 | 0.0686 | | 175.0229 | 175.0229 | 3.9500e-003 | 4.9900e-003 | 176.6072 |
| Total | 0.1173 | 0.7960 | 0.7678 | 4.6000e-003 | 0.3574 | 6.9000e-003 | 0.3643 | 0.0963 | 6.5600e-003 | 0.1028 | | 477.3505 | 477.3505 | 4.7900e-003 | 0.0504 | 492.4832 |

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 | 0.2647 | 0.8838 | 1.3552 | 7.0900e-003 | | 0.0284 | 0.0284 | | 0.0284 | 0.0284 | 0.0000 | 671.4460 | 671.4460 | 0.0236 | | 672.0368 |
| Total | 0.2647 | 0.8838 | 1.3552 | 7.0900e-003 | | 0.0284 | 0.0284 | | 0.0284 | 0.0284 | 0.0000 | 671.4460 | 671.4460 | 0.0236 | | 672.0368 |

Form Energy - Mendocino-Inland County, Winter

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

3.7 Enclosure Decommissioning - 2030

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 | 8.1500e-003 | 0.4595 | 0.1066 | 1.7600e-003 | 0.0613 | 4.1500e-003 | 0.0654 | 0.0168 | 3.9700e-003 | 0.0208 | | 185.7658 | 185.7658 | 3.8000e-004 | 0.0292 | 194.4749 |
| Vendor | 0.0106 | 0.2877 | 0.0991 | 1.1100e-003 | 0.0407 | 1.8200e-003 | 0.0425 | 0.0117 | 1.7400e-003 | 0.0134 | | 116.5619 | 116.5619 | 4.6000e-004 | 0.0162 | 121.4011 |
| Worker | 0.0985 | 0.0488 | 0.5621 | 1.7300e-003 | 0.2555 | 9.3000e-004 | 0.2564 | 0.0678 | 8.5000e-004 | 0.0686 | | 175.0229 | 175.0229 | 3.9500e-003 | 4.9900e-003 | 176.6072 |
| Total | 0.1173 | 0.7960 | 0.7678 | 4.6000e-003 | 0.3574 | 6.9000e-003 | 0.3643 | 0.0963 | 6.5600e-003 | 0.1028 | | 477.3505 | 477.3505 | 4.7900e-003 | 0.0504 | 492.4832 |

3.8 Restoration - 2030

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 2.7619 | 14.6723 | 26.5662 | 0.0579 | | 0.4778 | 0.4778 | | 0.4778 | 0.4778 | | 5,482.2231 | 5,482.2231 | 0.2467 | | 5,488.3898 |
| Total | 2.7619 | 14.6723 | 26.5662 | 0.0579 | | 0.4778 | 0.4778 | | 0.4778 | 0.4778 | | 5,482.2231 | 5,482.2231 | 0.2467 | | 5,488.3898 |

Form Energy - Mendocino-Inland County, Winter

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

3.8 Restoration - 2030

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 | 2.3300e-003 | 0.1313 | 0.0305 | 5.0000e-004 | 0.0175 | 1.1900e-003 | 0.0187 | 4.8000e-003 | 1.1400e-003 | 5.9400e-003 | | 53.0759 | 53.0759 | 1.1000e-004 | 8.3400e-003 | 55.5643 |
| Vendor | 0.0106 | 0.2877 | 0.0991 | 1.1100e-003 | 0.0407 | 1.8200e-003 | 0.0425 | 0.0117 | 1.7400e-003 | 0.0134 | | 116.5619 | 116.5619 | 4.6000e-004 | 0.0162 | 121.4011 |
| Worker | 0.0985 | 0.0488 | 0.5621 | 1.7300e-003 | 0.2555 | 9.3000e-004 | 0.2564 | 0.0678 | 8.5000e-004 | 0.0686 | | 175.0229 | 175.0229 | 3.9500e-003 | 4.9900e-003 | 176.6072 |
| Total | 0.1115 | 0.4678 | 0.6917 | 3.3400e-003 | 0.3136 | 3.9400e-003 | 0.3176 | 0.0843 | 3.7300e-003 | 0.0880 | | 344.6607 | 344.6607 | 4.5200e-003 | 0.0295 | 353.5726 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 2.7619 | 14.6723 | 26.5662 | 0.0579 | | 0.4778 | 0.4778 | | 0.4778 | 0.4778 | 0.0000 | 5,482.2231 | 5,482.2231 | 0.2467 | | 5,488.3898 |
| Total | 2.7619 | 14.6723 | 26.5662 | 0.0579 | | 0.4778 | 0.4778 | | 0.4778 | 0.4778 | 0.0000 | 5,482.2231 | 5,482.2231 | 0.2467 | | 5,488.3898 |

Form Energy - Mendocino-Inland County, Winter

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

3.8 Restoration - 2030

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 | 2.3300e-003 | 0.1313 | 0.0305 | 5.0000e-004 | 0.0175 | 1.1900e-003 | 0.0187 | 4.8000e-003 | 1.1400e-003 | 5.9400e-003 | | 53.0759 | 53.0759 | 1.1000e-004 | 8.3400e-003 | 55.5643 |
| Vendor | 0.0106 | 0.2877 | 0.0991 | 1.1100e-003 | 0.0407 | 1.8200e-003 | 0.0425 | 0.0117 | 1.7400e-003 | 0.0134 | | 116.5619 | 116.5619 | 4.6000e-004 | 0.0162 | 121.4011 |
| Worker | 0.0985 | 0.0488 | 0.5621 | 1.7300e-003 | 0.2555 | 9.3000e-004 | 0.2564 | 0.0678 | 8.5000e-004 | 0.0686 | | 175.0229 | 175.0229 | 3.9500e-003 | 4.9900e-003 | 176.6072 |
| Total | 0.1115 | 0.4678 | 0.6917 | 3.3400e-003 | 0.3136 | 3.9400e-003 | 0.3176 | 0.0843 | 3.7300e-003 | 0.0880 | | 344.6607 | 344.6607 | 4.5200e-003 | 0.0295 | 353.5726 |

Form Energy - Mendocino-Inland County, Winter

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|-------------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|---------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 8.0700e-003 | 0.0133 | 0.0752 | 1.3000e-004 | 0.0134 | 1.4000e-004 | 0.0136 | 3.5800e-003 | 1.3000e-004 | 3.7100e-003 | | 12.9689 | 12.9689 | 9.8000e-004 | 7.8000e-004 | 13.2256 |
| Unmitigated | 8.0700e-003 | 0.0133 | 0.0752 | 1.3000e-004 | 0.0134 | 1.4000e-004 | 0.0136 | 3.5800e-003 | 1.3000e-004 | 3.7100e-003 | | 12.9689 | 12.9689 | 9.8000e-004 | 7.8000e-004 | 13.2256 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|------------------------|-------------------------|----------|--------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| General Heavy Industry | 2.18 | 0.00 | 0.00 | 4,542 | 4,542 |
| Total | 2.18 | 0.00 | 0.00 | 4,542 | 4,542 |

4.3 Trip Type Information

| Land Use | Miles | | | Trip % | | | Trip Purpose % | | |
|------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
| | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| General Heavy Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| General Heavy Industry | 0.469465 | 0.066061 | 0.203104 | 0.149205 | 0.045283 | 0.008608 | 0.007230 | 0.012003 | 0.000542 | 0.000293 | 0.032608 | 0.001048 | 0.004550 |

Form Energy - Mendocino-Inland County, Winter

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

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|---------------|---------------|---------------|---------------|---------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| General Heavy Industry | 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 |

Form Energy - Mendocino-Inland County, Winter

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

5.2 Energy by Land Use - Natural Gas

Mitigated

| | Natural Gas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|-----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|---------------|---------------|---------------|---------------|---------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| General Heavy Industry | 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 | 2.0400e-003 | 2.0000e-004 | 0.0222 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | | 0.0477 | 0.0477 | 1.2000e-004 | | 0.0508 |
| Unmitigated | 2.0400e-003 | 2.0000e-004 | 0.0222 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | | 0.0477 | 0.0477 | 1.2000e-004 | | 0.0508 |

Form Energy - Mendocino-Inland County, Winter

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

6.2 Area by SubCategory

Unmitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|---------------|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 2.0400e-003 | 2.0000e-004 | 0.0222 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | | 0.0477 | 0.0477 | 1.2000e-004 | | 0.0508 |
| Total | 2.0400e-003 | 2.0000e-004 | 0.0222 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | | 0.0477 | 0.0477 | 1.2000e-004 | | 0.0508 |

Form Energy - Mendocino-Inland County, Winter

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

6.2 Area by SubCategory

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 | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 2.0400e-003 | 2.0000e-004 | 0.0222 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | | 0.0477 | 0.0477 | 1.2000e-004 | | 0.0508 |
| Total | 2.0400e-003 | 2.0000e-004 | 0.0222 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | | 0.0477 | 0.0477 | 1.2000e-004 | | 0.0508 |

7.0 Water Detail

7.1 Mitigation Measures Water

Form Energy - Mendocino-Inland County, Winter

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Form Energy - Mendocino-Inland County, Annual

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

**Form Energy
Mendocino-Inland County, Annual**

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|------------------------|--------|----------|-------------|--------------------|------------|
| General Heavy Industry | 217.80 | 1000sqft | 5.00 | 217,800.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|--------------------------------|-------|--------------------------------|-----|----------------------------------|------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 86 |
| Climate Zone | 1 | | | Operational Year | 2025 |
| Utility Company | | | | | |
| CO2 Intensity (lb/MWhr) | 0 | CH4 Intensity (lb/MWhr) | 0 | N2O Intensity (lb/MWhr) | 0 |

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use -
- Construction Phase - Phases from RFI responses.
- Off-road Equipment - RFI responses plus assumptions
- Off-road Equipment - RFI Responses
- Off-road Equipment - RFI 2
- Off-road Equipment - RFI no 3
- Off-road Equipment - RFI responses plus assumptions
- Off-road Equipment - RFI responses plus assumptions
- Off-road Equipment - RFI No3
- Trips and VMT - RFI and CatEx. 10 trips for day for water trucks during material moving phases.

Form Energy - Mendocino-Inland County, Annual

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

On-road Fugitive Dust - On road vehicles will travel on fully paved roads

Grading - RFI responses and assumptions

Vehicle Trips - Operated remotely, 5 water trucks a month, occasional maintenance.

Road Dust - Road to site paved

Consumer Products - no consumer products

Area Coating -

Energy Use - RFI responses

Water And Wastewater - Operated remotely

Solid Waste - Operated remotely

Construction Off-road Equipment Mitigation -

| Table Name | Column Name | Default Value | New Value |
|------------------------|---------------------------------|---------------|-----------|
| tblAreaCoating | ReapplicationRatePercent | 10 | 0 |
| tblConstDustMitigation | WaterUnpavedRoadMoistureContent | 0 | 0.5 |
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed | 0 | 10 |
| tblConstructionPhase | NumDays | 440.00 | 35.00 |
| tblConstructionPhase | NumDays | 440.00 | 25.00 |
| tblConstructionPhase | NumDays | 30.00 | 40.00 |
| tblConstructionPhase | NumDays | 30.00 | 200.00 |
| tblConstructionPhase | NumDays | 45.00 | 30.00 |
| tblConstructionPhase | NumDays | 20.00 | 45.00 |
| tblConsumerProducts | ROG_EF | 2.14E-05 | 0 |
| tblConsumerProducts | ROG_EF_Degreaser | 3.542E-07 | 0 |
| tblConsumerProducts | ROG_EF_PesticidesFertilizers | 5.152E-08 | 0 |
| tblEnergyUse | LightingElect | 1.81 | 0.00 |
| tblEnergyUse | NT24E | 1.85 | 0.00 |
| tblEnergyUse | NT24NG | 0.31 | 0.00 |
| tblEnergyUse | T24E | 0.56 | 0.00 |
| tblEnergyUse | T24NG | 3.17 | 0.00 |

Form Energy - Mendocino-Inland County, Annual

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

| | | | |
|----------------|--------------------------|----------|--------|
| tblOnRoadDust | VendorPercentPave | 80.00 | 100.00 |
| tblOnRoadDust | VendorPercentPave | 80.00 | 100.00 |
| tblOnRoadDust | VendorPercentPave | 80.00 | 100.00 |
| tblOnRoadDust | VendorPercentPave | 80.00 | 100.00 |
| tblOnRoadDust | WorkerPercentPave | 80.00 | 100.00 |
| tblOnRoadDust | WorkerPercentPave | 80.00 | 100.00 |
| tblOnRoadDust | WorkerPercentPave | 80.00 | 100.00 |
| tblOnRoadDust | WorkerPercentPave | 80.00 | 100.00 |
| tblOnRoadDust | WorkerPercentPave | 80.00 | 100.00 |
| tblOnRoadDust | WorkerPercentPave | 80.00 | 100.00 |
| tblOnRoadDust | WorkerPercentPave | 80.00 | 100.00 |
| tblOnRoadDust | WorkerPercentPave | 80.00 | 100.00 |
| tblOnRoadDust | WorkerPercentPave | 80.00 | 100.00 |
| tblOnRoadDust | WorkerPercentPave | 80.00 | 100.00 |
| tblRoadDust | RoadPercentPave | 80 | 100 |
| tblSolidWaste | SolidWasteGenerationRate | 1,598.36 | 0.00 |
| tblTripsAndVMT | HaulingTripLength | 20.00 | 0.00 |
| tblTripsAndVMT | HaulingTripLength | 20.00 | 0.00 |
| tblTripsAndVMT | HaulingTripNumber | 250.00 | 20.00 |
| tblTripsAndVMT | HaulingTripNumber | 0.00 | 20.00 |
| tblTripsAndVMT | HaulingTripNumber | 250.00 | 220.00 |
| tblTripsAndVMT | HaulingTripNumber | 0.00 | 30.00 |
| tblTripsAndVMT | HaulingTripNumber | 0.00 | 210.00 |
| tblTripsAndVMT | HaulingTripNumber | 0.00 | 140.00 |
| tblTripsAndVMT | HaulingTripNumber | 0.00 | 200.00 |
| tblTripsAndVMT | VendorTripLength | 7.30 | 0.00 |
| tblTripsAndVMT | VendorTripLength | 7.30 | 0.00 |
| tblTripsAndVMT | VendorTripNumber | 0.00 | 10.00 |
| tblTripsAndVMT | VendorTripNumber | 0.00 | 6.00 |
| tblTripsAndVMT | VendorTripNumber | 0.00 | 6.00 |

Form Energy - Mendocino-Inland County, Annual

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

| | | | |
|-----------------|--------------------|----------------|-------|
| tbITripsAndVMT | VendorTripNumber | 211.00 | 6.00 |
| tbITripsAndVMT | VendorTripNumber | 211.00 | 0.00 |
| tbITripsAndVMT | VendorTripNumber | 211.00 | 0.00 |
| tbITripsAndVMT | VendorTripNumber | 211.00 | 6.00 |
| tbITripsAndVMT | VendorTripNumber | 0.00 | 6.00 |
| tbITripsAndVMT | VendorTripNumber | 0.00 | 6.00 |
| tbITripsAndVMT | WorkerTripLength | 10.80 | 16.80 |
| tbITripsAndVMT | WorkerTripLength | 10.80 | 16.80 |
| tbITripsAndVMT | WorkerTripLength | 10.80 | 16.80 |
| tbITripsAndVMT | WorkerTripLength | 10.80 | 16.80 |
| tbITripsAndVMT | WorkerTripLength | 10.80 | 0.00 |
| tbITripsAndVMT | WorkerTripLength | 10.80 | 0.00 |
| tbITripsAndVMT | WorkerTripLength | 10.80 | 16.80 |
| tbITripsAndVMT | WorkerTripLength | 10.80 | 16.80 |
| tbITripsAndVMT | WorkerTripLength | 10.80 | 16.80 |
| tbITripsAndVMT | WorkerTripLength | 10.80 | 16.80 |
| tbITripsAndVMT | WorkerTripNumber | 23.00 | 20.00 |
| tbITripsAndVMT | WorkerTripNumber | 23.00 | 20.00 |
| tbITripsAndVMT | WorkerTripNumber | 15.00 | 20.00 |
| tbITripsAndVMT | WorkerTripNumber | 541.00 | 20.00 |
| tbITripsAndVMT | WorkerTripNumber | 541.00 | 0.00 |
| tbITripsAndVMT | WorkerTripNumber | 541.00 | 0.00 |
| tbITripsAndVMT | WorkerTripNumber | 541.00 | 20.00 |
| tbITripsAndVMT | WorkerTripNumber | 3.00 | 20.00 |
| tbITripsAndVMT | WorkerTripNumber | 25.00 | 20.00 |
| tbIVehicleTrips | ST_TR | 6.42 | 0.00 |
| tbIVehicleTrips | SU_TR | 5.09 | 0.00 |
| tbIVehicleTrips | WD_TR | 3.93 | 0.01 |
| tblWater | IndoorWaterUseRate | 298,081,250.00 | 0.00 |

Form Energy - Mendocino-Inland County, Annual

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

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|--------------------|-----------------|
| Year | tons/yr | | | | | | | | | | MT/yr | | | | | |
| 2024 | 0.2738 | 2.6630 | 2.2158 | 4.6900e-003 | 0.5039 | 0.1184 | 0.6223 | 0.2613 | 0.1090 | 0.3703 | 0.0000 | 414.4951 | 414.4951 | 0.1176 | 5.1800e-003 | 418.9779 |
| 2030 | 0.2938 | 1.5452 | 2.7664 | 6.3600e-003 | 0.0366 | 0.0489 | 0.0855 | 9.8800e-003 | 0.0489 | 0.0587 | 0.0000 | 549.5898 | 549.5898 | 0.0233 | 3.5500e-003 | 551.2292 |
| Maximum | 0.2938 | 2.6630 | 2.7664 | 6.3600e-003 | 0.5039 | 0.1184 | 0.6223 | 0.2613 | 0.1090 | 0.3703 | 0.0000 | 549.5898 | 549.5898 | 0.1176 | 5.1800e-003 | 551.2292 |

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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
| 2024 | 0.2738 | 2.6630 | 2.2157 | 4.6900e-003 | 0.2252 | 0.1184 | 0.3435 | 0.1095 | 0.1090 | 0.2185 | 0.0000 | 414.4946 | 414.4946 | 0.1176 | 5.1800e-003 | 418.9774 |
| 2030 | 0.2938 | 1.5452 | 2.7664 | 6.3600e-003 | 0.0366 | 0.0489 | 0.0855 | 9.8800e-003 | 0.0489 | 0.0587 | 0.0000 | 549.5892 | 549.5892 | 0.0233 | 3.5500e-003 | 551.2286 |
| Maximum | 0.2938 | 2.6630 | 2.7664 | 6.3600e-003 | 0.2252 | 0.1184 | 0.3435 | 0.1095 | 0.1090 | 0.2185 | 0.0000 | 549.5892 | 549.5892 | 0.1176 | 5.1800e-003 | 551.2286 |

Form Energy - Mendocino-Inland County, Annual

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

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| Percent Reduction | 0.00 | 0.00 | 0.00 | 0.00 | 51.57 | 0.00 | 39.38 | 55.97 | 0.00 | 35.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Quarter | Start Date | End Date | Maximum Unmitigated ROG + NOX (tons/quarter) | Maximum Mitigated ROG + NOX (tons/quarter) |
|---------|------------|------------|--|--|
| 3 | 12-19-2023 | 3-18-2024 | 0.5558 | 0.5558 |
| 4 | 3-19-2024 | 6-18-2024 | 0.9055 | 0.9055 |
| 5 | 6-19-2024 | 9-18-2024 | 0.8186 | 0.8186 |
| 6 | 9-19-2024 | 12-18-2024 | 0.6169 | 0.6169 |
| 7 | 12-19-2024 | 3-18-2025 | 0.0409 | 0.0409 |
| 27 | 12-19-2029 | 3-18-2030 | 0.1763 | 0.1763 |
| 28 | 3-19-2030 | 6-18-2030 | 0.5905 | 0.5905 |
| 29 | 6-19-2030 | 9-18-2030 | 0.5903 | 0.5903 |
| 30 | 9-19-2030 | 9-30-2030 | 0.0770 | 0.0770 |
| | | Highest | 0.9055 | 0.9055 |

Form Energy - Mendocino-Inland County, Annual

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

2.2 Overall Operational

Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 1.8000e-004 | 2.0000e-005 | 2.0000e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 3.8900e-003 | 3.8900e-003 | 1.0000e-005 | 0.0000 | 4.1400e-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 | 0.0000 |
| Mobile | 1.0500e-003 | 1.6200e-003 | 9.1800e-003 | 2.0000e-005 | 1.6600e-003 | 2.0000e-005 | 1.6800e-003 | 4.4000e-004 | 2.0000e-005 | 4.6000e-004 | 0.0000 | 1.5360 | 1.5360 | 1.1000e-004 | 9.0000e-005 | 1.5649 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 1.2300e-003 | 1.6400e-003 | 0.0112 | 2.0000e-005 | 1.6600e-003 | 3.0000e-005 | 1.6900e-003 | 4.4000e-004 | 3.0000e-005 | 4.7000e-004 | 0.0000 | 1.5399 | 1.5399 | 1.2000e-004 | 9.0000e-005 | 1.5691 |

Form Energy - Mendocino-Inland County, Annual

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

2.2 Overall Operational

Mitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 1.8000e-004 | 2.0000e-005 | 2.0000e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 3.8900e-003 | 3.8900e-003 | 1.0000e-005 | 0.0000 | 4.1400e-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 | 0.0000 |
| Mobile | 1.0500e-003 | 1.6200e-003 | 9.1800e-003 | 2.0000e-005 | 1.6600e-003 | 2.0000e-005 | 1.6800e-003 | 4.4000e-004 | 2.0000e-005 | 4.6000e-004 | 0.0000 | 1.5360 | 1.5360 | 1.1000e-004 | 9.0000e-005 | 1.5649 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 1.2300e-003 | 1.6400e-003 | 0.0112 | 2.0000e-005 | 1.6600e-003 | 3.0000e-005 | 1.6900e-003 | 4.4000e-004 | 3.0000e-005 | 4.7000e-004 | 0.0000 | 1.5399 | 1.5399 | 1.2000e-004 | 9.0000e-005 | 1.5691 |

| | ROG | NOx | CO | SO2 | 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 | Construction Preparation and Site Grading | Grading | 2/1/2024 | 3/13/2024 | 5 | 30 | |
| 2 | Excavation and Undergrounding | Trenching | 3/14/2024 | 8/7/2024 | 5 | 105 | |
| 3 | Foundation Installation | Site Preparation | 8/6/2024 | 10/7/2024 | 5 | 45 | |

Form Energy - Mendocino-Inland County, Annual

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

| | | | | | | |
|---|--|-----------------------|------------|------------|---|-----|
| 4 | Electrical Work | Building Construction | 10/8/2024 | 11/25/2024 | 5 | 35 |
| 5 | BESS Enclosure Installation and Electrolyte Fill | Building Construction | 11/26/2024 | 12/30/2024 | 5 | 25 |
| 6 | Enclosure Decommissioning | Demolition | 1/1/2030 | 2/25/2030 | 5 | 40 |
| 7 | Restoration | Demolition | 2/26/2030 | 12/2/2030 | 5 | 200 |

Acres of Grading (Site Preparation Phase): 5

Acres of Grading (Grading Phase): 5

Acres of Paving: 0

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

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---------------------------|--------|-------------|-------------|-------------|
| Construction Preparation and Site Grading | Graders | 2 | 8.00 | 187 | 0.41 |
| Construction Preparation and Site Grading | Rollers | 3 | 8.00 | 80 | 0.38 |
| Construction Preparation and Site Grading | Rubber Tired Dozers | 2 | 8.00 | 247 | 0.40 |
| Construction Preparation and Site Grading | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Excavation and Undergrounding | Excavators | 2 | 8.00 | 158 | 0.38 |
| Excavation and Undergrounding | Rollers | 3 | 8.00 | 80 | 0.38 |
| Excavation and Undergrounding | Rubber Tired Dozers | 2 | 8.00 | 247 | 0.40 |
| Excavation and Undergrounding | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Foundation Installation | Cement and Mortar Mixers | 1 | 8.00 | 9 | 0.56 |
| Foundation Installation | Plate Compactors | 1 | 8.00 | 8 | 0.43 |
| Foundation Installation | Rubber Tired Dozers | 2 | 8.00 | 247 | 0.40 |
| Foundation Installation | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Electrical Work | Excavators | 2 | 8.00 | 158 | 0.38 |
| Electrical Work | Rubber Tired Dozers | 2 | 8.00 | 247 | 0.40 |
| Electrical Work | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |

Form Energy - Mendocino-Inland County, Annual

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

| | | | | | |
|--|---------------------------|---|------|-----|------|
| BESS Enclosure Installation and Electrolyte Fill | Cranes | 2 | 8.00 | 231 | 0.29 |
| Enclosure Decommissioning | Cranes | 1 | 8.00 | 231 | 0.29 |
| Restoration | Crushing/Proc. Equipment | 1 | 8.00 | 85 | 0.78 |
| Restoration | Excavators | 2 | 8.00 | 158 | 0.38 |
| Restoration | Rollers | 3 | 8.00 | 80 | 0.38 |
| Restoration | Rubber Tired Dozers | 2 | 8.00 | 247 | 0.40 |
| Restoration | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |

Trips and VMT

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|--|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Construction Preparation and Site | 9 | 20.00 | 10.00 | 20.00 | 16.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Excavation and Underpinning | 9 | 20.00 | 6.00 | 20.00 | 16.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Foundation Installation | 6 | 20.00 | 6.00 | 220.00 | 16.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Electrical Work | 6 | 20.00 | 6.00 | 30.00 | 16.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Electrical Work | 6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | LD_Mix | HDT_Mix | HHDT |
| Electrical Work | 6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | LD_Mix | HDT_Mix | HHDT |
| BESS Enclosure Installation and Electr | 2 | 20.00 | 6.00 | 210.00 | 16.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Enclosure Decommissioning | 1 | 20.00 | 6.00 | 140.00 | 16.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Restoration | 10 | 20.00 | 6.00 | 200.00 | 16.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Form Energy - Mendocino-Inland County, Annual

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

3.2 Construction Preparation and Site Grading - 2024

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.1833 | 0.0000 | 0.1833 | 0.0996 | 0.0000 | 0.0996 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0424 | 0.4505 | 0.2940 | 6.7000e-004 | | 0.0193 | 0.0193 | | 0.0178 | 0.0178 | 0.0000 | 58.5263 | 58.5263 | 0.0189 | 0.0000 | 58.9995 |
| Total | 0.0424 | 0.4505 | 0.2940 | 6.7000e-004 | 0.1833 | 0.0193 | 0.2026 | 0.0996 | 0.0178 | 0.1174 | 0.0000 | 58.5263 | 58.5263 | 0.0189 | 0.0000 | 58.9995 |

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 3.0000e-005 | 1.4700e-003 | 3.0000e-004 | 1.0000e-005 | 1.7000e-004 | 1.0000e-005 | 1.8000e-004 | 5.0000e-005 | 1.0000e-005 | 6.0000e-005 | 0.0000 | 0.5634 | 0.5634 | 0.0000 | 9.0000e-005 | 0.5899 |
| Vendor | 3.1000e-004 | 7.9300e-003 | 2.7600e-003 | 3.0000e-005 | 9.7000e-004 | 5.0000e-005 | 1.0300e-003 | 2.8000e-004 | 5.0000e-005 | 3.3000e-004 | 0.0000 | 2.9663 | 2.9663 | 1.0000e-005 | 4.2000e-004 | 3.0931 |
| Worker | 1.9100e-003 | 1.2500e-003 | 0.0128 | 3.0000e-005 | 3.6400e-003 | 2.0000e-005 | 3.6600e-003 | 9.7000e-004 | 2.0000e-005 | 9.9000e-004 | 0.0000 | 2.8454 | 2.8454 | 9.0000e-005 | 9.0000e-005 | 2.8760 |
| Total | 2.2500e-003 | 0.0107 | 0.0159 | 7.0000e-005 | 4.7800e-003 | 8.0000e-005 | 4.8700e-003 | 1.3000e-003 | 8.0000e-005 | 1.3800e-003 | 0.0000 | 6.3752 | 6.3752 | 1.0000e-004 | 6.0000e-004 | 6.5589 |

Form Energy - Mendocino-Inland County, Annual

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

3.2 Construction Preparation and Site Grading - 2024

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.0715 | 0.0000 | 0.0715 | 0.0388 | 0.0000 | 0.0388 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0424 | 0.4505 | 0.2940 | 6.7000e-004 | | 0.0193 | 0.0193 | | 0.0178 | 0.0178 | 0.0000 | 58.5262 | 58.5262 | 0.0189 | 0.0000 | 58.9995 |
| Total | 0.0424 | 0.4505 | 0.2940 | 6.7000e-004 | 0.0715 | 0.0193 | 0.0908 | 0.0388 | 0.0178 | 0.0566 | 0.0000 | 58.5262 | 58.5262 | 0.0189 | 0.0000 | 58.9995 |

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 3.0000e-005 | 1.4700e-003 | 3.0000e-004 | 1.0000e-005 | 1.7000e-004 | 1.0000e-005 | 1.8000e-004 | 5.0000e-005 | 1.0000e-005 | 6.0000e-005 | 0.0000 | 0.5634 | 0.5634 | 0.0000 | 9.0000e-005 | 0.5899 |
| Vendor | 3.1000e-004 | 7.9300e-003 | 2.7600e-003 | 3.0000e-005 | 9.7000e-004 | 5.0000e-005 | 1.0300e-003 | 2.8000e-004 | 5.0000e-005 | 3.3000e-004 | 0.0000 | 2.9663 | 2.9663 | 1.0000e-005 | 4.2000e-004 | 3.0931 |
| Worker | 1.9100e-003 | 1.2500e-003 | 0.0128 | 3.0000e-005 | 3.6400e-003 | 2.0000e-005 | 3.6600e-003 | 9.7000e-004 | 2.0000e-005 | 9.9000e-004 | 0.0000 | 2.8454 | 2.8454 | 9.0000e-005 | 9.0000e-005 | 2.8760 |
| Total | 2.2500e-003 | 0.0107 | 0.0159 | 7.0000e-005 | 4.7800e-003 | 8.0000e-005 | 4.8700e-003 | 1.3000e-003 | 8.0000e-005 | 1.3800e-003 | 0.0000 | 6.3752 | 6.3752 | 1.0000e-004 | 6.0000e-004 | 6.5589 |

Form Energy - Mendocino-Inland County, Annual

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

3.3 Excavation and Undergrounding - 2024

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.1300 | 1.2879 | 1.1977 | 2.1800e-003 | | 0.0607 | 0.0607 | | 0.0558 | 0.0558 | 0.0000 | 191.4834 | 191.4834 | 0.0619 | 0.0000 | 193.0317 |
| Total | 0.1300 | 1.2879 | 1.1977 | 2.1800e-003 | | 0.0607 | 0.0607 | | 0.0558 | 0.0558 | 0.0000 | 191.4834 | 191.4834 | 0.0619 | 0.0000 | 193.0317 |

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|--------------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 3.0000e-005 | 1.4700e-003 | 3.0000e-004 | 1.0000e-005 | 1.7000e-004 | 1.0000e-005 | 1.8000e-004 | 5.0000e-005 | 1.0000e-005 | 6.0000e-005 | 0.0000 | 0.5634 | 0.5634 | 0.0000 | 9.0000e-005 | 0.5899 |
| Vendor | 6.5000e-004 | 0.0167 | 5.7900e-003 | 7.0000e-005 | 2.0400e-003 | 1.1000e-004 | 2.1500e-003 | 5.9000e-004 | 1.1000e-004 | 7.0000e-004 | 0.0000 | 6.2293 | 6.2293 | 3.0000e-005 | 8.9000e-004 | 6.4954 |
| Worker | 6.6900e-003 | 4.3700e-003 | 0.0449 | 1.1000e-004 | 0.0127 | 7.0000e-005 | 0.0128 | 3.3900e-003 | 7.0000e-005 | 3.4600e-003 | 0.0000 | 9.9590 | 9.9590 | 3.2000e-004 | 3.3000e-004 | 10.0658 |
| Total | 7.3700e-003 | 0.0225 | 0.0510 | 1.9000e-004 | 0.0149 | 1.9000e-004 | 0.0151 | 4.0300e-003 | 1.9000e-004 | 4.2200e-003 | 0.0000 | 16.7517 | 16.7517 | 3.5000e-004 | 1.3100e-003 | 17.1511 |

Form Energy - Mendocino-Inland County, Annual

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

3.3 Excavation and Undergrounding - 2024

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.1300 | 1.2879 | 1.1977 | 2.1800e-003 | | 0.0607 | 0.0607 | | 0.0558 | 0.0558 | 0.0000 | 191.4832 | 191.4832 | 0.0619 | 0.0000 | 193.0314 |
| Total | 0.1300 | 1.2879 | 1.1977 | 2.1800e-003 | | 0.0607 | 0.0607 | | 0.0558 | 0.0558 | 0.0000 | 191.4832 | 191.4832 | 0.0619 | 0.0000 | 193.0314 |

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|--------------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 3.0000e-005 | 1.4700e-003 | 3.0000e-004 | 1.0000e-005 | 1.7000e-004 | 1.0000e-005 | 1.8000e-004 | 5.0000e-005 | 1.0000e-005 | 6.0000e-005 | 0.0000 | 0.5634 | 0.5634 | 0.0000 | 9.0000e-005 | 0.5899 |
| Vendor | 6.5000e-004 | 0.0167 | 5.7900e-003 | 7.0000e-005 | 2.0400e-003 | 1.1000e-004 | 2.1500e-003 | 5.9000e-004 | 1.1000e-004 | 7.0000e-004 | 0.0000 | 6.2293 | 6.2293 | 3.0000e-005 | 8.9000e-004 | 6.4954 |
| Worker | 6.6900e-003 | 4.3700e-003 | 0.0449 | 1.1000e-004 | 0.0127 | 7.0000e-005 | 0.0128 | 3.3900e-003 | 7.0000e-005 | 3.4600e-003 | 0.0000 | 9.9590 | 9.9590 | 3.2000e-004 | 3.3000e-004 | 10.0658 |
| Total | 7.3700e-003 | 0.0225 | 0.0510 | 1.9000e-004 | 0.0149 | 1.9000e-004 | 0.0151 | 4.0300e-003 | 1.9000e-004 | 4.2200e-003 | 0.0000 | 16.7517 | 16.7517 | 3.5000e-004 | 1.3100e-003 | 17.1511 |

Form Energy - Mendocino-Inland County, Annual

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

3.4 Foundation Installation - 2024

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.2737 | 0.0000 | 0.2737 | 0.1493 | 0.0000 | 0.1493 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0400 | 0.3999 | 0.2532 | 5.5000e-004 | | 0.0180 | 0.0180 | | 0.0166 | 0.0166 | 0.0000 | 47.8141 | 47.8141 | 0.0151 | 0.0000 | 48.1912 |
| Total | 0.0400 | 0.3999 | 0.2532 | 5.5000e-004 | 0.2737 | 0.0180 | 0.2916 | 0.1493 | 0.0166 | 0.1658 | 0.0000 | 47.8141 | 47.8141 | 0.0151 | 0.0000 | 48.1912 |

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|--------------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 2.9000e-004 | 0.0161 | 3.2900e-003 | 6.0000e-005 | 1.8400e-003 | 1.5000e-004 | 1.9900e-003 | 5.1000e-004 | 1.4000e-004 | 6.5000e-004 | 0.0000 | 6.1978 | 6.1978 | 1.0000e-005 | 9.7000e-004 | 6.4883 |
| Vendor | 2.8000e-004 | 7.1400e-003 | 2.4800e-003 | 3.0000e-005 | 8.8000e-004 | 5.0000e-005 | 9.2000e-004 | 2.5000e-004 | 5.0000e-005 | 3.0000e-004 | 0.0000 | 2.6697 | 2.6697 | 1.0000e-005 | 3.8000e-004 | 2.7838 |
| Worker | 2.8700e-003 | 1.8700e-003 | 0.0192 | 5.0000e-005 | 5.4500e-003 | 3.0000e-005 | 5.4900e-003 | 1.4500e-003 | 3.0000e-005 | 1.4800e-003 | 0.0000 | 4.2681 | 4.2681 | 1.4000e-004 | 1.4000e-004 | 4.3139 |
| Total | 3.4400e-003 | 0.0251 | 0.0250 | 1.4000e-004 | 8.1700e-003 | 2.3000e-004 | 8.4000e-003 | 2.2100e-003 | 2.2000e-004 | 2.4300e-003 | 0.0000 | 13.1356 | 13.1356 | 1.6000e-004 | 1.4900e-003 | 13.5860 |

Form Energy - Mendocino-Inland County, Annual

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

3.4 Foundation Installation - 2024

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.1067 | 0.0000 | 0.1067 | 0.0582 | 0.0000 | 0.0582 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0400 | 0.3999 | 0.2532 | 5.5000e-004 | | 0.0180 | 0.0180 | | 0.0166 | 0.0166 | 0.0000 | 47.8141 | 47.8141 | 0.0151 | 0.0000 | 48.1912 |
| Total | 0.0400 | 0.3999 | 0.2532 | 5.5000e-004 | 0.1067 | 0.0180 | 0.1247 | 0.0582 | 0.0166 | 0.0748 | 0.0000 | 47.8141 | 47.8141 | 0.0151 | 0.0000 | 48.1912 |

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|--------------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 2.9000e-004 | 0.0161 | 3.2900e-003 | 6.0000e-005 | 1.8400e-003 | 1.5000e-004 | 1.9900e-003 | 5.1000e-004 | 1.4000e-004 | 6.5000e-004 | 0.0000 | 6.1978 | 6.1978 | 1.0000e-005 | 9.7000e-004 | 6.4883 |
| Vendor | 2.8000e-004 | 7.1400e-003 | 2.4800e-003 | 3.0000e-005 | 8.8000e-004 | 5.0000e-005 | 9.2000e-004 | 2.5000e-004 | 5.0000e-005 | 3.0000e-004 | 0.0000 | 2.6697 | 2.6697 | 1.0000e-005 | 3.8000e-004 | 2.7838 |
| Worker | 2.8700e-003 | 1.8700e-003 | 0.0192 | 5.0000e-005 | 5.4500e-003 | 3.0000e-005 | 5.4900e-003 | 1.4500e-003 | 3.0000e-005 | 1.4800e-003 | 0.0000 | 4.2681 | 4.2681 | 1.4000e-004 | 1.4000e-004 | 4.3139 |
| Total | 3.4400e-003 | 0.0251 | 0.0250 | 1.4000e-004 | 8.1700e-003 | 2.3000e-004 | 8.4000e-003 | 2.2100e-003 | 2.2000e-004 | 2.4300e-003 | 0.0000 | 13.1356 | 13.1356 | 1.6000e-004 | 1.4900e-003 | 13.5860 |

Form Energy - Mendocino-Inland County, Annual

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

3.5 Electrical Work - 2024

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0357 | 0.3493 | 0.3021 | 5.9000e-004 | | 0.0160 | 0.0160 | | 0.0147 | 0.0147 | 0.0000 | 51.7236 | 51.7236 | 0.0167 | 0.0000 | 52.1418 |
| Total | 0.0357 | 0.3493 | 0.3021 | 5.9000e-004 | | 0.0160 | 0.0160 | | 0.0147 | 0.0147 | 0.0000 | 51.7236 | 51.7236 | 0.0167 | 0.0000 | 52.1418 |

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 4.0000e-005 | 2.2000e-003 | 4.5000e-004 | 1.0000e-005 | 6.2000e-004 | 2.0000e-005 | 6.4000e-004 | 1.6000e-004 | 2.0000e-005 | 1.8000e-004 | 0.0000 | 0.8452 | 0.8452 | 0.0000 | 1.3000e-004 | 0.8848 |
| Vendor | 2.2000e-004 | 5.5500e-003 | 1.9300e-003 | 2.0000e-005 | 1.6400e-003 | 4.0000e-005 | 1.6700e-003 | 4.3000e-004 | 4.0000e-005 | 4.7000e-004 | 0.0000 | 2.0764 | 2.0764 | 1.0000e-005 | 3.0000e-004 | 2.1651 |
| Worker | 2.2300e-003 | 1.4600e-003 | 0.0150 | 4.0000e-005 | 0.0116 | 2.0000e-005 | 0.0116 | 2.9300e-003 | 2.0000e-005 | 2.9500e-003 | 0.0000 | 3.3197 | 3.3197 | 1.1000e-004 | 1.1000e-004 | 3.3553 |
| Total | 2.4900e-003 | 9.2100e-003 | 0.0174 | 7.0000e-005 | 0.0138 | 8.0000e-005 | 0.0139 | 3.5200e-003 | 8.0000e-005 | 3.6000e-003 | 0.0000 | 6.2412 | 6.2412 | 1.2000e-004 | 5.4000e-004 | 6.4052 |

Form Energy - Mendocino-Inland County, Annual

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

3.5 Electrical Work - 2024

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0357 | 0.3493 | 0.3021 | 5.9000e-004 | | 0.0160 | 0.0160 | | 0.0147 | 0.0147 | 0.0000 | 51.7235 | 51.7235 | 0.0167 | 0.0000 | 52.1417 |
| Total | 0.0357 | 0.3493 | 0.3021 | 5.9000e-004 | | 0.0160 | 0.0160 | | 0.0147 | 0.0147 | 0.0000 | 51.7235 | 51.7235 | 0.0167 | 0.0000 | 52.1417 |

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 4.0000e-005 | 2.2000e-003 | 4.5000e-004 | 1.0000e-005 | 6.2000e-004 | 2.0000e-005 | 6.4000e-004 | 1.6000e-004 | 2.0000e-005 | 1.8000e-004 | 0.0000 | 0.8452 | 0.8452 | 0.0000 | 1.3000e-004 | 0.8848 |
| Vendor | 2.2000e-004 | 5.5500e-003 | 1.9300e-003 | 2.0000e-005 | 1.6400e-003 | 4.0000e-005 | 1.6700e-003 | 4.3000e-004 | 4.0000e-005 | 4.7000e-004 | 0.0000 | 2.0764 | 2.0764 | 1.0000e-005 | 3.0000e-004 | 2.1651 |
| Worker | 2.2300e-003 | 1.4600e-003 | 0.0150 | 4.0000e-005 | 0.0116 | 2.0000e-005 | 0.0116 | 2.9300e-003 | 2.0000e-005 | 2.9500e-003 | 0.0000 | 3.3197 | 3.3197 | 1.1000e-004 | 1.1000e-004 | 3.3553 |
| Total | 2.4900e-003 | 9.2100e-003 | 0.0174 | 7.0000e-005 | 0.0138 | 8.0000e-005 | 0.0139 | 3.5200e-003 | 8.0000e-005 | 3.6000e-003 | 0.0000 | 6.2412 | 6.2412 | 1.2000e-004 | 5.4000e-004 | 6.4052 |

Form Energy - Mendocino-Inland County, Annual

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

3.6 BESS Enclosure Installation and Electrolyte Fill - 2024

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 8.2900e-003 | 0.0876 | 0.0444 | 1.4000e-004 | | 3.6500e-003 | 3.6500e-003 | | 3.3500e-003 | 3.3500e-003 | 0.0000 | 12.6735 | 12.6735 | 4.1000e-003 | 0.0000 | 12.7760 |
| Total | 8.2900e-003 | 0.0876 | 0.0444 | 1.4000e-004 | | 3.6500e-003 | 3.6500e-003 | | 3.3500e-003 | 3.3500e-003 | 0.0000 | 12.6735 | 12.6735 | 4.1000e-003 | 0.0000 | 12.7760 |

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 2.8000e-004 | 0.0154 | 3.1400e-003 | 6.0000e-005 | 1.7600e-003 | 1.4000e-004 | 1.9000e-003 | 4.8000e-004 | 1.3000e-004 | 6.2000e-004 | 0.0000 | 5.9161 | 5.9161 | 1.0000e-005 | 9.3000e-004 | 6.1934 |
| Vendor | 1.5000e-004 | 3.9700e-003 | 1.3800e-003 | 2.0000e-005 | 4.9000e-004 | 3.0000e-005 | 5.1000e-004 | 1.4000e-004 | 3.0000e-005 | 1.7000e-004 | 0.0000 | 1.4832 | 1.4832 | 1.0000e-005 | 2.1000e-004 | 1.5465 |
| Worker | 1.5900e-003 | 1.0400e-003 | 0.0107 | 3.0000e-005 | 3.0300e-003 | 2.0000e-005 | 3.0500e-003 | 8.1000e-004 | 2.0000e-005 | 8.2000e-004 | 0.0000 | 2.3712 | 2.3712 | 8.0000e-005 | 8.0000e-005 | 2.3966 |
| Total | 2.0200e-003 | 0.0204 | 0.0152 | 1.1000e-004 | 5.2800e-003 | 1.9000e-004 | 5.4600e-003 | 1.4300e-003 | 1.8000e-004 | 1.6100e-003 | 0.0000 | 9.7704 | 9.7704 | 1.0000e-004 | 1.2200e-003 | 10.1366 |

Form Energy - Mendocino-Inland County, Annual

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

3.6 BESS Enclosure Installation and Electrolyte Fill - 2024

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 8.2900e-003 | 0.0876 | 0.0444 | 1.4000e-004 | | 3.6500e-003 | 3.6500e-003 | | 3.3500e-003 | 3.3500e-003 | 0.0000 | 12.6735 | 12.6735 | 4.1000e-003 | 0.0000 | 12.7760 |
| Total | 8.2900e-003 | 0.0876 | 0.0444 | 1.4000e-004 | | 3.6500e-003 | 3.6500e-003 | | 3.3500e-003 | 3.3500e-003 | 0.0000 | 12.6735 | 12.6735 | 4.1000e-003 | 0.0000 | 12.7760 |

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 2.8000e-004 | 0.0154 | 3.1400e-003 | 6.0000e-005 | 1.7600e-003 | 1.4000e-004 | 1.9000e-003 | 4.8000e-004 | 1.3000e-004 | 6.2000e-004 | 0.0000 | 5.9161 | 5.9161 | 1.0000e-005 | 9.3000e-004 | 6.1934 |
| Vendor | 1.5000e-004 | 3.9700e-003 | 1.3800e-003 | 2.0000e-005 | 4.9000e-004 | 3.0000e-005 | 5.1000e-004 | 1.4000e-004 | 3.0000e-005 | 1.7000e-004 | 0.0000 | 1.4832 | 1.4832 | 1.0000e-005 | 2.1000e-004 | 1.5465 |
| Worker | 1.5900e-003 | 1.0400e-003 | 0.0107 | 3.0000e-005 | 3.0300e-003 | 2.0000e-005 | 3.0500e-003 | 8.1000e-004 | 2.0000e-005 | 8.2000e-004 | 0.0000 | 2.3712 | 2.3712 | 8.0000e-005 | 8.0000e-005 | 2.3966 |
| Total | 2.0200e-003 | 0.0204 | 0.0152 | 1.1000e-004 | 5.2800e-003 | 1.9000e-004 | 5.4600e-003 | 1.4300e-003 | 1.8000e-004 | 1.6100e-003 | 0.0000 | 9.7704 | 9.7704 | 1.0000e-004 | 1.2200e-003 | 10.1366 |

Form Energy - Mendocino-Inland County, Annual

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

3.7 Enclosure Decommissioning - 2030

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 5.2900e-003 | 0.0177 | 0.0271 | 1.4000e-004 | | 5.7000e-004 | 5.7000e-004 | | 5.7000e-004 | 5.7000e-004 | 0.0000 | 12.1825 | 12.1825 | 4.3000e-004 | 0.0000 | 12.1932 |
| Total | 5.2900e-003 | 0.0177 | 0.0271 | 1.4000e-004 | | 5.7000e-004 | 5.7000e-004 | | 5.7000e-004 | 5.7000e-004 | 0.0000 | 12.1825 | 12.1825 | 4.3000e-004 | 0.0000 | 12.1932 |

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 1.7000e-004 | 8.9000e-003 | 2.1100e-003 | 4.0000e-005 | 1.1700e-003 | 8.0000e-005 | 1.2500e-003 | 3.2000e-004 | 8.0000e-005 | 4.0000e-004 | 0.0000 | 3.3672 | 3.3672 | 1.0000e-005 | 5.3000e-004 | 3.5251 |
| Vendor | 2.1000e-004 | 5.5700e-003 | 1.9400e-003 | 2.0000e-005 | 7.8000e-004 | 4.0000e-005 | 8.2000e-004 | 2.3000e-004 | 3.0000e-005 | 2.6000e-004 | 0.0000 | 2.1121 | 2.1121 | 1.0000e-005 | 2.9000e-004 | 2.1997 |
| Worker | 1.7600e-003 | 8.7000e-004 | 0.0110 | 3.0000e-005 | 4.8500e-003 | 2.0000e-005 | 4.8700e-003 | 1.2900e-003 | 2.0000e-005 | 1.3100e-003 | 0.0000 | 3.2030 | 3.2030 | 7.0000e-005 | 8.0000e-005 | 3.2297 |
| Total | 2.1400e-003 | 0.0153 | 0.0150 | 9.0000e-005 | 6.8000e-003 | 1.4000e-004 | 6.9400e-003 | 1.8400e-003 | 1.3000e-004 | 1.9700e-003 | 0.0000 | 8.6824 | 8.6824 | 9.0000e-005 | 9.0000e-004 | 8.9545 |

Form Energy - Mendocino-Inland County, Annual

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

3.7 Enclosure Decommissioning - 2030

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 5.2900e-003 | 0.0177 | 0.0271 | 1.4000e-004 | | 5.7000e-004 | 5.7000e-004 | | 5.7000e-004 | 5.7000e-004 | 0.0000 | 12.1825 | 12.1825 | 4.3000e-004 | 0.0000 | 12.1932 |
| Total | 5.2900e-003 | 0.0177 | 0.0271 | 1.4000e-004 | | 5.7000e-004 | 5.7000e-004 | | 5.7000e-004 | 5.7000e-004 | 0.0000 | 12.1825 | 12.1825 | 4.3000e-004 | 0.0000 | 12.1932 |

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 1.7000e-004 | 8.9000e-003 | 2.1100e-003 | 4.0000e-005 | 1.1700e-003 | 8.0000e-005 | 1.2500e-003 | 3.2000e-004 | 8.0000e-005 | 4.0000e-004 | 0.0000 | 3.3672 | 3.3672 | 1.0000e-005 | 5.3000e-004 | 3.5251 |
| Vendor | 2.1000e-004 | 5.5700e-003 | 1.9400e-003 | 2.0000e-005 | 7.8000e-004 | 4.0000e-005 | 8.2000e-004 | 2.3000e-004 | 3.0000e-005 | 2.6000e-004 | 0.0000 | 2.1121 | 2.1121 | 1.0000e-005 | 2.9000e-004 | 2.1997 |
| Worker | 1.7600e-003 | 8.7000e-004 | 0.0110 | 3.0000e-005 | 4.8500e-003 | 2.0000e-005 | 4.8700e-003 | 1.2900e-003 | 2.0000e-005 | 1.3100e-003 | 0.0000 | 3.2030 | 3.2030 | 7.0000e-005 | 8.0000e-005 | 3.2297 |
| Total | 2.1400e-003 | 0.0153 | 0.0150 | 9.0000e-005 | 6.8000e-003 | 1.4000e-004 | 6.9400e-003 | 1.8400e-003 | 1.3000e-004 | 1.9700e-003 | 0.0000 | 8.6824 | 8.6824 | 9.0000e-005 | 9.0000e-004 | 8.9545 |

Form Energy - Mendocino-Inland County, Annual

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

3.8 Restoration - 2030

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.2762 | 1.4672 | 2.6566 | 5.7900e-003 | | 0.0478 | 0.0478 | | 0.0478 | 0.0478 | 0.0000 | 497.3389 | 497.3389 | 0.0224 | 0.0000 | 497.8984 |
| Total | 0.2762 | 1.4672 | 2.6566 | 5.7900e-003 | | 0.0478 | 0.0478 | | 0.0478 | 0.0478 | 0.0000 | 497.3389 | 497.3389 | 0.0224 | 0.0000 | 497.8984 |

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|--------------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 2.4000e-004 | 0.0127 | 3.0100e-003 | 5.0000e-005 | 1.6700e-003 | 1.2000e-004 | 1.7900e-003 | 4.6000e-004 | 1.1000e-004 | 5.7000e-004 | 0.0000 | 4.8103 | 4.8103 | 1.0000e-005 | 7.6000e-004 | 5.0359 |
| Vendor | 1.0600e-003 | 0.0278 | 9.6900e-003 | 1.1000e-004 | 3.9000e-003 | 1.8000e-004 | 4.0800e-003 | 1.1300e-003 | 1.7000e-004 | 1.3000e-003 | 0.0000 | 10.5605 | 10.5605 | 4.0000e-005 | 1.4700e-003 | 10.9985 |
| Worker | 8.8200e-003 | 4.3700e-003 | 0.0550 | 1.7000e-004 | 0.0242 | 9.0000e-005 | 0.0243 | 6.4500e-003 | 9.0000e-005 | 6.5400e-003 | 0.0000 | 16.0152 | 16.0152 | 3.4000e-004 | 4.2000e-004 | 16.1487 |
| Total | 0.0101 | 0.0449 | 0.0677 | 3.3000e-004 | 0.0298 | 3.9000e-004 | 0.0302 | 8.0400e-003 | 3.7000e-004 | 8.4100e-003 | 0.0000 | 31.3860 | 31.3860 | 3.9000e-004 | 2.6500e-003 | 32.1831 |

Form Energy - Mendocino-Inland County, Annual

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

3.8 Restoration - 2030

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.2762 | 1.4672 | 2.6566 | 5.7900e-003 | | 0.0478 | 0.0478 | | 0.0478 | 0.0478 | 0.0000 | 497.3383 | 497.3383 | 0.0224 | 0.0000 | 497.8978 |
| Total | 0.2762 | 1.4672 | 2.6566 | 5.7900e-003 | | 0.0478 | 0.0478 | | 0.0478 | 0.0478 | 0.0000 | 497.3383 | 497.3383 | 0.0224 | 0.0000 | 497.8978 |

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|--------------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 2.4000e-004 | 0.0127 | 3.0100e-003 | 5.0000e-005 | 1.6700e-003 | 1.2000e-004 | 1.7900e-003 | 4.6000e-004 | 1.1000e-004 | 5.7000e-004 | 0.0000 | 4.8103 | 4.8103 | 1.0000e-005 | 7.6000e-004 | 5.0359 |
| Vendor | 1.0600e-003 | 0.0278 | 9.6900e-003 | 1.1000e-004 | 3.9000e-003 | 1.8000e-004 | 4.0800e-003 | 1.1300e-003 | 1.7000e-004 | 1.3000e-003 | 0.0000 | 10.5605 | 10.5605 | 4.0000e-005 | 1.4700e-003 | 10.9985 |
| Worker | 8.8200e-003 | 4.3700e-003 | 0.0550 | 1.7000e-004 | 0.0242 | 9.0000e-005 | 0.0243 | 6.4500e-003 | 9.0000e-005 | 6.5400e-003 | 0.0000 | 16.0152 | 16.0152 | 3.4000e-004 | 4.2000e-004 | 16.1487 |
| Total | 0.0101 | 0.0449 | 0.0677 | 3.3000e-004 | 0.0298 | 3.9000e-004 | 0.0302 | 8.0400e-003 | 3.7000e-004 | 8.4100e-003 | 0.0000 | 31.3860 | 31.3860 | 3.9000e-004 | 2.6500e-003 | 32.1831 |

Form Energy - Mendocino-Inland County, Annual

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|-------------|-------------|-------------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|--------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 1.0500e-003 | 1.6200e-003 | 9.1800e-003 | 2.0000e-005 | 1.6600e-003 | 2.0000e-005 | 1.6800e-003 | 4.4000e-004 | 2.0000e-005 | 4.6000e-004 | 0.0000 | 1.5360 | 1.5360 | 1.1000e-004 | 9.0000e-005 | 1.5649 |
| Unmitigated | 1.0500e-003 | 1.6200e-003 | 9.1800e-003 | 2.0000e-005 | 1.6600e-003 | 2.0000e-005 | 1.6800e-003 | 4.4000e-004 | 2.0000e-005 | 4.6000e-004 | 0.0000 | 1.5360 | 1.5360 | 1.1000e-004 | 9.0000e-005 | 1.5649 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|------------------------|-------------------------|----------|--------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| General Heavy Industry | 2.18 | 0.00 | 0.00 | 4,542 | 4,542 |
| Total | 2.18 | 0.00 | 0.00 | 4,542 | 4,542 |

4.3 Trip Type Information

| Land Use | Miles | | | Trip % | | | Trip Purpose % | | |
|------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
| | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| General Heavy Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| General Heavy Industry | 0.469465 | 0.066061 | 0.203104 | 0.149205 | 0.045283 | 0.008608 | 0.007230 | 0.012003 | 0.000542 | 0.000293 | 0.032608 | 0.001048 | 0.004550 |

Form Energy - Mendocino-Inland County, Annual

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

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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Electricity Mitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 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 | 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 | 0.0000 |

Form Energy - Mendocino-Inland County, Annual

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

5.3 Energy by Land Use - Electricity

Unmitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|------------------------|-----------------|---------------|---------------|---------------|---------------|
| Land Use | kWh/yr | MT/yr | | | |
| General Heavy Industry | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

Mitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|------------------------|-----------------|---------------|---------------|---------------|---------------|
| Land Use | kWh/yr | MT/yr | | | |
| General Heavy Industry | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

6.0 Area Detail

6.1 Mitigation Measures Area

Form Energy - Mendocino-Inland County, Annual

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

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|-------------|-------------|-------------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-------------|-------------|-------------|--------|-------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 1.8000e-004 | 2.0000e-005 | 2.0000e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 3.8900e-003 | 3.8900e-003 | 1.0000e-005 | 0.0000 | 4.1400e-003 |
| Unmitigated | 1.8000e-004 | 2.0000e-005 | 2.0000e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 3.8900e-003 | 3.8900e-003 | 1.0000e-005 | 0.0000 | 4.1400e-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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Architectural Coating | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 1.8000e-004 | 2.0000e-005 | 2.0000e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 3.8900e-003 | 3.8900e-003 | 1.0000e-005 | 0.0000 | 4.1400e-003 |
| Total | 1.8000e-004 | 2.0000e-005 | 2.0000e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 3.8900e-003 | 3.8900e-003 | 1.0000e-005 | 0.0000 | 4.1400e-003 |

Form Energy - Mendocino-Inland County, Annual

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

6.2 Area by SubCategory

Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|--------------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|--------------------|
| SubCategory | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Architectural Coating | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 1.8000e-004 | 2.0000e-005 | 2.0000e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 3.8900e-003 | 3.8900e-003 | 1.0000e-005 | 0.0000 | 4.1400e-003 |
| Total | 1.8000e-004 | 2.0000e-005 | 2.0000e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 3.8900e-003 | 3.8900e-003 | 1.0000e-005 | 0.0000 | 4.1400e-003 |

7.0 Water Detail

7.1 Mitigation Measures Water

Form Energy - Mendocino-Inland County, Annual

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

| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|--------|--------|
| Category | MT/yr | | | |
| Mitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

7.2 Water by Land Use

Unmitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|------------------------|--------------------|---------------|---------------|---------------|---------------|
| Land Use | Mgal | MT/yr | | | |
| General Heavy Industry | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

Form Energy - Mendocino-Inland County, Annual

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

7.2 Water by Land Use

Mitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|------------------------|--------------------|---------------|---------------|---------------|---------------|
| Land Use | Mgal | MT/yr | | | |
| General Heavy Industry | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

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

Form Energy - Mendocino-Inland County, Annual

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

8.2 Waste by Land Use

Unmitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|------------------------|----------------|---------------|---------------|---------------|---------------|
| Land Use | tons | MT/yr | | | |
| General Heavy Industry | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

Mitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|------------------------|----------------|---------------|---------------|---------------|---------------|
| Land Use | tons | MT/yr | | | |
| General Heavy Industry | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

9.0 Operational Offroad

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

Form Energy - Mendocino-Inland County, Annual

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation
