
APPENDIX A

CALEEMOD OUTPUT SHEETS

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Merced Mall - Phase I - San Joaquin Valley Unified APCD Air District, Annual

Merced Mall - Phase I
San Joaquin Valley Unified APCD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|--------------------------|-------|----------|-------------|--------------------|------------|
| Regional Shopping Center | 50.00 | 1000sqft | 1.15 | 50,000.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|---------------------------------|--------------------------------|---------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.7 | Precipitation Freq (Days) | 45 |
| Climate Zone | 3 | | | Operational Year | 2020 |
| Utility Company | Pacific Gas & Electric Company | | | | |
| CO2 Intensity (lb/MW hr) | 328.8 | CH4 Intensity (lb/MW hr) | 0.029 | N2O Intensity (lb/MW hr) | 0.006 |

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 intensity based on 5-year average (2016-2020), PG&E 2015

Land Use -

Construction Phase - Demolition and construction of Phase I is anticipated to occur over approximately 20 months, starting in April 2019 and ending in January 2021.

Grading - Approximately 4,920 cubic yards of construction debris would be collected and off-hauled from the project site.

Vehicle Trips - Trip rates based on project trip generation

Fleet Mix - Truck percentages based on survey for similar shopping center.

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| Table Name | Column Name | Default Value | New Value |
|---------------------------|--------------------|---------------|-------------|
| tblConstructionPhase | NumDays | 10.00 | 30.00 |
| tblConstructionPhase | NumDays | 200.00 | 300.00 |
| tblConstructionPhase | NumDays | 20.00 | 30.00 |
| tblConstructionPhase | NumDays | 4.00 | 30.00 |
| tblConstructionPhase | NumDays | 10.00 | 40.00 |
| tblConstructionPhase | NumDays | 2.00 | 30.00 |
| tblFleetMix | HHD | 0.11 | 1.0000e-003 |
| tblFleetMix | LDA | 0.50 | 0.63 |
| tblFleetMix | LHD2 | 5.6900e-003 | 2.0000e-003 |
| tblFleetMix | MHD | 0.02 | 4.0000e-003 |
| tblGrading | AcresOfGrading | 11.25 | 1.50 |
| tblGrading | AcresOfGrading | 15.00 | 1.00 |
| tblGrading | MaterialExported | 0.00 | 4,920.00 |
| tblProjectCharacteristics | CO2IntensityFactor | 641.35 | 328.8 |
| tblVehicleTrips | ST_TR | 49.97 | 37.00 |
| tblVehicleTrips | SU_TR | 25.24 | 37.00 |
| tblVehicleTrips | WD_TR | 42.70 | 37.00 |

2.0 Emissions Summary

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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 | | | | | |
| 2019 | 0.2137 | 1.8809 | 1.2295 | 2.4900e-003 | 0.1669 | 0.0934 | 0.2603 | 0.0859 | 0.0885 | 0.1744 | 0.0000 | 217.1249 | 217.1249 | 0.0430 | 0.0000 | 218.2002 |
| 2020 | 0.5632 | 1.7198 | 1.5484 | 2.8100e-003 | 0.0199 | 0.0884 | 0.1083 | 5.4000e-003 | 0.0851 | 0.0905 | 0.0000 | 236.5311 | 236.5311 | 0.0423 | 0.0000 | 237.5884 |
| 2021 | 0.0117 | 7.7000e-004 | 9.5000e-004 | 0.0000 | 1.0000e-005 | 5.0000e-005 | 6.0000e-005 | 0.0000 | 5.0000e-005 | 5.0000e-005 | 0.0000 | 0.1381 | 0.1381 | 1.0000e-005 | 0.0000 | 0.1383 |
| Maximum | 0.5632 | 1.8809 | 1.5484 | 2.8100e-003 | 0.1669 | 0.0934 | 0.2603 | 0.0859 | 0.0885 | 0.1744 | 0.0000 | 236.5311 | 236.5311 | 0.0430 | 0.0000 | 237.5884 |

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 | | | | | |
| 2019 | 0.2137 | 1.8809 | 1.2295 | 2.4900e-003 | 0.1669 | 0.0934 | 0.2603 | 0.0859 | 0.0885 | 0.1744 | 0.0000 | 217.1247 | 217.1247 | 0.0430 | 0.0000 | 218.2000 |
| 2020 | 0.5632 | 1.7198 | 1.5484 | 2.8100e-003 | 0.0199 | 0.0884 | 0.1083 | 5.4000e-003 | 0.0851 | 0.0905 | 0.0000 | 236.5308 | 236.5308 | 0.0423 | 0.0000 | 237.5882 |
| 2021 | 0.0117 | 7.7000e-004 | 9.5000e-004 | 0.0000 | 1.0000e-005 | 5.0000e-005 | 6.0000e-005 | 0.0000 | 5.0000e-005 | 5.0000e-005 | 0.0000 | 0.1381 | 0.1381 | 1.0000e-005 | 0.0000 | 0.1383 |
| Maximum | 0.5632 | 1.8809 | 1.5484 | 2.8100e-003 | 0.1669 | 0.0934 | 0.2603 | 0.0859 | 0.0885 | 0.1744 | 0.0000 | 236.5308 | 236.5308 | 0.0430 | 0.0000 | 237.5882 |

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

| Quarter | Start Date | End Date | Maximum Unmitigated ROG + NOX (tons/quarter) | Maximum Mitigated ROG + NOX (tons/quarter) |
|---------|------------|------------|--|--|
| 1 | 4-1-2019 | 6-30-2019 | 0.8256 | 0.8256 |
| 2 | 7-1-2019 | 9-30-2019 | 0.6168 | 0.6168 |
| 3 | 10-1-2019 | 12-31-2019 | 0.6405 | 0.6405 |
| 4 | 1-1-2020 | 3-31-2020 | 0.5832 | 0.5832 |
| 5 | 4-1-2020 | 6-30-2020 | 0.5827 | 0.5827 |
| 6 | 7-1-2020 | 9-30-2020 | 0.5738 | 0.5738 |
| 7 | 10-1-2020 | 12-31-2020 | 0.5389 | 0.5389 |
| 8 | 1-1-2021 | 3-31-2021 | 0.0089 | 0.0089 |
| | | Highest | 0.8256 | 0.8256 |

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2.2 Overall Operational

Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------------|-------------------|-------------------|---------------|--------------------|-------------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 0.2301 | 0.0000 | 4.6000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 8.9000e-004 | 8.9000e-004 | 0.0000 | 0.0000 | 9.5000e-004 |
| Energy | 2.8800e-003 | 0.0262 | 0.0220 | 1.6000e-004 | | 1.9900e-003 | 1.9900e-003 | | 1.9900e-003 | 1.9900e-003 | 0.0000 | 89.3247 | 89.3247 | 5.9100e-003 | 1.6300e-003 | 89.9588 |
| Mobile | 0.5351 | 0.9519 | 5.2470 | 0.0133 | 1.2103 | 0.0123 | 1.2227 | 0.3233 | 0.0115 | 0.3348 | 0.0000 | 1,202.7360 | 1,202.7360 | 0.0514 | 0.0000 | 1,204.0202 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 10.6570 | 0.0000 | 10.6570 | 0.6298 | 0.0000 | 26.4023 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 1.1750 | 4.1737 | 5.3487 | 0.1211 | 2.9300e-003 | 9.2469 |
| Total | 0.7681 | 0.9781 | 5.2695 | 0.0134 | 1.2103 | 0.0143 | 1.2246 | 0.3233 | 0.0135 | 0.3368 | 11.8320 | 1,296.2353 | 1,308.0673 | 0.8081 | 4.5600e-003 | 1,329.6291 |

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2.2 Overall Operational

Mitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------------|-------------------|-------------------|---------------|--------------------|-------------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 0.2301 | 0.0000 | 4.6000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 8.9000e-004 | 8.9000e-004 | 0.0000 | 0.0000 | 9.5000e-004 |
| Energy | 2.8800e-003 | 0.0262 | 0.0220 | 1.6000e-004 | | 1.9900e-003 | 1.9900e-003 | | 1.9900e-003 | 1.9900e-003 | 0.0000 | 89.3247 | 89.3247 | 5.9100e-003 | 1.6300e-003 | 89.9588 |
| Mobile | 0.5351 | 0.9519 | 5.2470 | 0.0133 | 1.2103 | 0.0123 | 1.2227 | 0.3233 | 0.0115 | 0.3348 | 0.0000 | 1,202.7360 | 1,202.7360 | 0.0514 | 0.0000 | 1,204.0202 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 10.6570 | 0.0000 | 10.6570 | 0.6298 | 0.0000 | 26.4023 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 1.1750 | 4.1737 | 5.3487 | 0.1211 | 2.9300e-003 | 9.2469 |
| Total | 0.7681 | 0.9781 | 5.2695 | 0.0134 | 1.2103 | 0.0143 | 1.2246 | 0.3233 | 0.0135 | 0.3368 | 11.8320 | 1,296.2353 | 1,308.0673 | 0.8081 | 4.5600e-003 | 1,329.6291 |

| | ROG | NOx | CO | SO2 | 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

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| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1 | Demolition | Demolition | 4/1/2019 | 5/10/2019 | 5 | 30 | |
| 2 | Site Preparation | Site Preparation | 5/11/2019 | 6/21/2019 | 5 | 30 | |
| 3 | Grading | Grading | 6/22/2019 | 8/2/2019 | 5 | 30 | |
| 4 | Building Construction | Building Construction | 8/3/2019 | 9/25/2020 | 5 | 300 | |
| 5 | Paving | Paving | 9/26/2020 | 11/20/2020 | 5 | 40 | |
| 6 | Architectural Coating | Architectural Coating | 11/21/2020 | 1/1/2021 | 5 | 30 | |

Acres of Grading (Site Preparation Phase): 1

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 75,000; Non-Residential Outdoor: 25,000; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

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| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Demolition | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Demolition | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Demolition | Tractors/Loaders/Backhoes | 3 | 8.00 | 97 | 0.37 |
| Site Preparation | Graders | 1 | 8.00 | 187 | 0.41 |
| Site Preparation | Rubber Tired Dozers | 1 | 7.00 | 247 | 0.40 |
| Site Preparation | Tractors/Loaders/Backhoes | 1 | 8.00 | 97 | 0.37 |
| Grading | Graders | 1 | 6.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 1 | 6.00 | 247 | 0.40 |
| Grading | Tractors/Loaders/Backhoes | 1 | 7.00 | 97 | 0.37 |
| Building Construction | Cranes | 1 | 6.00 | 231 | 0.29 |
| Building Construction | Forklifts | 1 | 6.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 1 | 6.00 | 97 | 0.37 |
| Building Construction | Welders | 3 | 8.00 | 46 | 0.45 |
| Paving | Cement and Mortar Mixers | 1 | 6.00 | 9 | 0.56 |
| Paving | Pavers | 1 | 6.00 | 130 | 0.42 |
| Paving | Paving Equipment | 1 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 1 | 7.00 | 80 | 0.38 |
| Paving | Tractors/Loaders/Backhoes | 1 | 8.00 | 97 | 0.37 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |

Trips and VMT

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| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Demolition | 5 | 13.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 3 | 8.00 | 0.00 | 615.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 3 | 8.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 7 | 16.00 | 8.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 5 | 13.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 3.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

3.2 Demolition - 2019

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0344 | 0.3401 | 0.2234 | 3.6000e-004 | | 0.0193 | 0.0193 | | 0.0180 | 0.0180 | 0.0000 | 32.1241 | 32.1241 | 8.1800e-003 | 0.0000 | 32.3286 |
| Total | 0.0344 | 0.3401 | 0.2234 | 3.6000e-004 | | 0.0193 | 0.0193 | | 0.0180 | 0.0180 | 0.0000 | 32.1241 | 32.1241 | 8.1800e-003 | 0.0000 | 32.3286 |

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3.2 Demolition - 2019

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 9.1000e-004 | 6.4000e-004 | 6.4000e-003 | 2.0000e-005 | 1.5600e-003 | 1.0000e-005 | 1.5700e-003 | 4.1000e-004 | 1.0000e-005 | 4.2000e-004 | 0.0000 | 1.4447 | 1.4447 | 5.0000e-005 | 0.0000 | 1.4458 |
| Total | 9.1000e-004 | 6.4000e-004 | 6.4000e-003 | 2.0000e-005 | 1.5600e-003 | 1.0000e-005 | 1.5700e-003 | 4.1000e-004 | 1.0000e-005 | 4.2000e-004 | 0.0000 | 1.4447 | 1.4447 | 5.0000e-005 | 0.0000 | 1.4458 |

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 | 0.0344 | 0.3401 | 0.2234 | 3.6000e-004 | | 0.0193 | 0.0193 | | 0.0180 | 0.0180 | 0.0000 | 32.1241 | 32.1241 | 8.1800e-003 | 0.0000 | 32.3286 |
| Total | 0.0344 | 0.3401 | 0.2234 | 3.6000e-004 | | 0.0193 | 0.0193 | | 0.0180 | 0.0180 | 0.0000 | 32.1241 | 32.1241 | 8.1800e-003 | 0.0000 | 32.3286 |

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3.2 Demolition - 2019

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 9.1000e-004 | 6.4000e-004 | 6.4000e-003 | 2.0000e-005 | 1.5600e-003 | 1.0000e-005 | 1.5700e-003 | 4.1000e-004 | 1.0000e-005 | 4.2000e-004 | 0.0000 | 1.4447 | 1.4447 | 5.0000e-005 | 0.0000 | 1.4458 |
| Total | 9.1000e-004 | 6.4000e-004 | 6.4000e-003 | 2.0000e-005 | 1.5600e-003 | 1.0000e-005 | 1.5700e-003 | 4.1000e-004 | 1.0000e-005 | 4.2000e-004 | 0.0000 | 1.4447 | 1.4447 | 5.0000e-005 | 0.0000 | 1.4458 |

3.3 Site Preparation - 2019

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.0799 | 0.0000 | 0.0799 | 0.0436 | 0.0000 | 0.0436 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0257 | 0.2922 | 0.1183 | 2.6000e-004 | | 0.0132 | 0.0132 | | 0.0122 | 0.0122 | 0.0000 | 23.2002 | 23.2002 | 7.3400e-003 | 0.0000 | 23.3837 |
| Total | 0.0257 | 0.2922 | 0.1183 | 2.6000e-004 | 0.0799 | 0.0132 | 0.0932 | 0.0436 | 0.0122 | 0.0557 | 0.0000 | 23.2002 | 23.2002 | 7.3400e-003 | 0.0000 | 23.3837 |

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3.3 Site Preparation - 2019

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 | 2.6600e-003 | 0.0918 | 0.0132 | 2.5000e-004 | 5.2600e-003 | 3.6000e-004 | 5.6200e-003 | 1.4500e-003 | 3.4000e-004 | 1.7900e-003 | 0.0000 | 23.6354 | 23.6354 | 1.3700e-003 | 0.0000 | 23.6697 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 5.6000e-004 | 3.9000e-004 | 3.9400e-003 | 1.0000e-005 | 9.6000e-004 | 1.0000e-005 | 9.7000e-004 | 2.5000e-004 | 1.0000e-005 | 2.6000e-004 | 0.0000 | 0.8890 | 0.8890 | 3.0000e-005 | 0.0000 | 0.8897 |
| Total | 3.2200e-003 | 0.0921 | 0.0172 | 2.6000e-004 | 6.2200e-003 | 3.7000e-004 | 6.5900e-003 | 1.7000e-003 | 3.5000e-004 | 2.0500e-003 | 0.0000 | 24.5244 | 24.5244 | 1.4000e-003 | 0.0000 | 24.5594 |

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 | | | | | 0.0799 | 0.0000 | 0.0799 | 0.0436 | 0.0000 | 0.0436 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0257 | 0.2922 | 0.1183 | 2.6000e-004 | | 0.0132 | 0.0132 | | 0.0122 | 0.0122 | 0.0000 | 23.2001 | 23.2001 | 7.3400e-003 | 0.0000 | 23.3836 |
| Total | 0.0257 | 0.2922 | 0.1183 | 2.6000e-004 | 0.0799 | 0.0132 | 0.0932 | 0.0436 | 0.0122 | 0.0557 | 0.0000 | 23.2001 | 23.2001 | 7.3400e-003 | 0.0000 | 23.3836 |

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3.3 Site Preparation - 2019

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 | 2.6600e-003 | 0.0918 | 0.0132 | 2.5000e-004 | 5.2600e-003 | 3.6000e-004 | 5.6200e-003 | 1.4500e-003 | 3.4000e-004 | 1.7900e-003 | 0.0000 | 23.6354 | 23.6354 | 1.3700e-003 | 0.0000 | 23.6697 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 5.6000e-004 | 3.9000e-004 | 3.9400e-003 | 1.0000e-005 | 9.6000e-004 | 1.0000e-005 | 9.7000e-004 | 2.5000e-004 | 1.0000e-005 | 2.6000e-004 | 0.0000 | 0.8890 | 0.8890 | 3.0000e-005 | 0.0000 | 0.8897 |
| Total | 3.2200e-003 | 0.0921 | 0.0172 | 2.6000e-004 | 6.2200e-003 | 3.7000e-004 | 6.5900e-003 | 1.7000e-003 | 3.5000e-004 | 2.0500e-003 | 0.0000 | 24.5244 | 24.5244 | 1.4000e-003 | 0.0000 | 24.5594 |

3.4 Grading - 2019

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.0685 | 0.0000 | 0.0685 | 0.0373 | 0.0000 | 0.0373 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0213 | 0.2405 | 0.0991 | 2.1000e-004 | | 0.0111 | 0.0111 | | 0.0102 | 0.0102 | 0.0000 | 19.0018 | 19.0018 | 6.0100e-003 | 0.0000 | 19.1521 |
| Total | 0.0213 | 0.2405 | 0.0991 | 2.1000e-004 | 0.0685 | 0.0111 | 0.0796 | 0.0373 | 0.0102 | 0.0475 | 0.0000 | 19.0018 | 19.0018 | 6.0100e-003 | 0.0000 | 19.1521 |

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3.4 Grading - 2019

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 5.6000e-004 | 3.9000e-004 | 3.9400e-003 | 1.0000e-005 | 9.6000e-004 | 1.0000e-005 | 9.7000e-004 | 2.5000e-004 | 1.0000e-005 | 2.6000e-004 | 0.0000 | 0.8890 | 0.8890 | 3.0000e-005 | 0.0000 | 0.8897 |
| Total | 5.6000e-004 | 3.9000e-004 | 3.9400e-003 | 1.0000e-005 | 9.6000e-004 | 1.0000e-005 | 9.7000e-004 | 2.5000e-004 | 1.0000e-005 | 2.6000e-004 | 0.0000 | 0.8890 | 0.8890 | 3.0000e-005 | 0.0000 | 0.8897 |

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 | | | | | 0.0685 | 0.0000 | 0.0685 | 0.0373 | 0.0000 | 0.0373 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0213 | 0.2405 | 0.0991 | 2.1000e-004 | | 0.0111 | 0.0111 | | 0.0102 | 0.0102 | 0.0000 | 19.0017 | 19.0017 | 6.0100e-003 | 0.0000 | 19.1520 |
| Total | 0.0213 | 0.2405 | 0.0991 | 2.1000e-004 | 0.0685 | 0.0111 | 0.0796 | 0.0373 | 0.0102 | 0.0475 | 0.0000 | 19.0017 | 19.0017 | 6.0100e-003 | 0.0000 | 19.1520 |

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3.4 Grading - 2019

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 5.6000e-004 | 3.9000e-004 | 3.9400e-003 | 1.0000e-005 | 9.6000e-004 | 1.0000e-005 | 9.7000e-004 | 2.5000e-004 | 1.0000e-005 | 2.6000e-004 | 0.0000 | 0.8890 | 0.8890 | 3.0000e-005 | 0.0000 | 0.8897 |
| Total | 5.6000e-004 | 3.9000e-004 | 3.9400e-003 | 1.0000e-005 | 9.6000e-004 | 1.0000e-005 | 9.7000e-004 | 2.5000e-004 | 1.0000e-005 | 2.6000e-004 | 0.0000 | 0.8890 | 0.8890 | 3.0000e-005 | 0.0000 | 0.8897 |

3.5 Building Construction - 2019

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.1216 | 0.8549 | 0.7216 | 1.1800e-003 | | 0.0490 | 0.0490 | | 0.0473 | 0.0473 | 0.0000 | 97.9435 | 97.9435 | 0.0188 | 0.0000 | 98.4142 |
| Total | 0.1216 | 0.8549 | 0.7216 | 1.1800e-003 | | 0.0490 | 0.0490 | | 0.0473 | 0.0473 | 0.0000 | 97.9435 | 97.9435 | 0.0188 | 0.0000 | 98.4142 |

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3.5 Building Construction - 2019

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 2.0900e-003 | 0.0571 | 0.0115 | 1.2000e-004 | 2.8400e-003 | 4.3000e-004 | 3.2700e-003 | 8.2000e-004 | 4.1000e-004 | 1.2300e-003 | 0.0000 | 11.6555 | 11.6555 | 9.7000e-004 | 0.0000 | 11.6798 |
| Worker | 3.9800e-003 | 2.7900e-003 | 0.0281 | 7.0000e-005 | 6.8400e-003 | 5.0000e-005 | 6.8900e-003 | 1.8200e-003 | 5.0000e-005 | 1.8700e-003 | 0.0000 | 6.3418 | 6.3418 | 2.0000e-004 | 0.0000 | 6.3468 |
| Total | 6.0700e-003 | 0.0599 | 0.0396 | 1.9000e-004 | 9.6800e-003 | 4.8000e-004 | 0.0102 | 2.6400e-003 | 4.6000e-004 | 3.1000e-003 | 0.0000 | 17.9973 | 17.9973 | 1.1700e-003 | 0.0000 | 18.0267 |

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 | 0.1216 | 0.8549 | 0.7216 | 1.1800e-003 | | 0.0490 | 0.0490 | | 0.0473 | 0.0473 | 0.0000 | 97.9434 | 97.9434 | 0.0188 | 0.0000 | 98.4141 |
| Total | 0.1216 | 0.8549 | 0.7216 | 1.1800e-003 | | 0.0490 | 0.0490 | | 0.0473 | 0.0473 | 0.0000 | 97.9434 | 97.9434 | 0.0188 | 0.0000 | 98.4141 |

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3.5 Building Construction - 2019

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 2.0900e-003 | 0.0571 | 0.0115 | 1.2000e-004 | 2.8400e-003 | 4.3000e-004 | 3.2700e-003 | 8.2000e-004 | 4.1000e-004 | 1.2300e-003 | 0.0000 | 11.6555 | 11.6555 | 9.7000e-004 | 0.0000 | 11.6798 |
| Worker | 3.9800e-003 | 2.7900e-003 | 0.0281 | 7.0000e-005 | 6.8400e-003 | 5.0000e-005 | 6.8900e-003 | 1.8200e-003 | 5.0000e-005 | 1.8700e-003 | 0.0000 | 6.3418 | 6.3418 | 2.0000e-004 | 0.0000 | 6.3468 |
| Total | 6.0700e-003 | 0.0599 | 0.0396 | 1.9000e-004 | 9.6800e-003 | 4.8000e-004 | 0.0102 | 2.6400e-003 | 4.6000e-004 | 3.1000e-003 | 0.0000 | 17.9973 | 17.9973 | 1.1700e-003 | 0.0000 | 18.0267 |

3.5 Building Construction - 2020

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.1959 | 1.4271 | 1.2727 | 2.1300e-003 | | 0.0768 | 0.0768 | | 0.0742 | 0.0742 | 0.0000 | 175.1882 | 175.1882 | 0.0325 | 0.0000 | 176.0012 |
| Total | 0.1959 | 1.4271 | 1.2727 | 2.1300e-003 | | 0.0768 | 0.0768 | | 0.0742 | 0.0742 | 0.0000 | 175.1882 | 175.1882 | 0.0325 | 0.0000 | 176.0012 |

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3.5 Building Construction - 2020

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 3.0600e-003 | 0.0940 | 0.0178 | 2.2000e-004 | 5.1200e-003 | 5.2000e-004 | 5.6400e-003 | 1.4800e-003 | 5.0000e-004 | 1.9700e-003 | 0.0000 | 20.8455 | 20.8455 | 1.6500e-003 | 0.0000 | 20.8867 |
| Worker | 6.5300e-003 | 4.4300e-003 | 0.0450 | 1.2000e-004 | 0.0123 | 9.0000e-005 | 0.0124 | 3.2800e-003 | 8.0000e-005 | 3.3600e-003 | 0.0000 | 11.0849 | 11.0849 | 3.2000e-004 | 0.0000 | 11.0928 |
| Total | 9.5900e-003 | 0.0984 | 0.0628 | 3.4000e-004 | 0.0175 | 6.1000e-004 | 0.0181 | 4.7600e-003 | 5.8000e-004 | 5.3300e-003 | 0.0000 | 31.9304 | 31.9304 | 1.9700e-003 | 0.0000 | 31.9795 |

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 | 0.1959 | 1.4271 | 1.2727 | 2.1300e-003 | | 0.0768 | 0.0768 | | 0.0742 | 0.0742 | 0.0000 | 175.1880 | 175.1880 | 0.0325 | 0.0000 | 176.0010 |
| Total | 0.1959 | 1.4271 | 1.2727 | 2.1300e-003 | | 0.0768 | 0.0768 | | 0.0742 | 0.0742 | 0.0000 | 175.1880 | 175.1880 | 0.0325 | 0.0000 | 176.0010 |

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3.5 Building Construction - 2020

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 3.0600e-003 | 0.0940 | 0.0178 | 2.2000e-004 | 5.1200e-003 | 5.2000e-004 | 5.6400e-003 | 1.4800e-003 | 5.0000e-004 | 1.9700e-003 | 0.0000 | 20.8455 | 20.8455 | 1.6500e-003 | 0.0000 | 20.8867 |
| Worker | 6.5300e-003 | 4.4300e-003 | 0.0450 | 1.2000e-004 | 0.0123 | 9.0000e-005 | 0.0124 | 3.2800e-003 | 8.0000e-005 | 3.3600e-003 | 0.0000 | 11.0849 | 11.0849 | 3.2000e-004 | 0.0000 | 11.0928 |
| Total | 9.5900e-003 | 0.0984 | 0.0628 | 3.4000e-004 | 0.0175 | 6.1000e-004 | 0.0181 | 4.7600e-003 | 5.8000e-004 | 5.3300e-003 | 0.0000 | 31.9304 | 31.9304 | 1.9700e-003 | 0.0000 | 31.9795 |

3.6 Paving - 2020

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0168 | 0.1690 | 0.1775 | 2.7000e-004 | | 9.3900e-003 | 9.3900e-003 | | 8.6600e-003 | 8.6600e-003 | 0.0000 | 23.5314 | 23.5314 | 7.4600e-003 | 0.0000 | 23.7179 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.0168 | 0.1690 | 0.1775 | 2.7000e-004 | | 9.3900e-003 | 9.3900e-003 | | 8.6600e-003 | 8.6600e-003 | 0.0000 | 23.5314 | 23.5314 | 7.4600e-003 | 0.0000 | 23.7179 |

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3.6 Paving - 2020

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 1.1000e-003 | 7.5000e-004 | 7.5800e-003 | 2.0000e-005 | 2.0800e-003 | 1.0000e-005 | 2.0900e-003 | 5.5000e-004 | 1.0000e-005 | 5.7000e-004 | 0.0000 | 1.8666 | 1.8666 | 5.0000e-005 | 0.0000 | 1.8680 |
| Total | 1.1000e-003 | 7.5000e-004 | 7.5800e-003 | 2.0000e-005 | 2.0800e-003 | 1.0000e-005 | 2.0900e-003 | 5.5000e-004 | 1.0000e-005 | 5.7000e-004 | 0.0000 | 1.8666 | 1.8666 | 5.0000e-005 | 0.0000 | 1.8680 |

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 | 0.0168 | 0.1690 | 0.1775 | 2.7000e-004 | | 9.3900e-003 | 9.3900e-003 | | 8.6600e-003 | 8.6600e-003 | 0.0000 | 23.5314 | 23.5314 | 7.4600e-003 | 0.0000 | 23.7179 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.0168 | 0.1690 | 0.1775 | 2.7000e-004 | | 9.3900e-003 | 9.3900e-003 | | 8.6600e-003 | 8.6600e-003 | 0.0000 | 23.5314 | 23.5314 | 7.4600e-003 | 0.0000 | 23.7179 |

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3.6 Paving - 2020

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 1.1000e-003 | 7.5000e-004 | 7.5800e-003 | 2.0000e-005 | 2.0800e-003 | 1.0000e-005 | 2.0900e-003 | 5.5000e-004 | 1.0000e-005 | 5.7000e-004 | 0.0000 | 1.8666 | 1.8666 | 5.0000e-005 | 0.0000 | 1.8680 |
| Total | 1.1000e-003 | 7.5000e-004 | 7.5800e-003 | 2.0000e-005 | 2.0800e-003 | 1.0000e-005 | 2.0900e-003 | 5.5000e-004 | 1.0000e-005 | 5.7000e-004 | 0.0000 | 1.8666 | 1.8666 | 5.0000e-005 | 0.0000 | 1.8680 |

3.7 Architectural Coating - 2020

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 0.3360 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 3.5100e-003 | 0.0244 | 0.0266 | 4.0000e-005 | | 1.6100e-003 | 1.6100e-003 | | 1.6100e-003 | 1.6100e-003 | 0.0000 | 3.7022 | 3.7022 | 2.9000e-004 | 0.0000 | 3.7094 |
| Total | 0.3396 | 0.0244 | 0.0266 | 4.0000e-005 | | 1.6100e-003 | 1.6100e-003 | | 1.6100e-003 | 1.6100e-003 | 0.0000 | 3.7022 | 3.7022 | 2.9000e-004 | 0.0000 | 3.7094 |

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3.7 Architectural Coating - 2020

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 1.8000e-004 | 1.2000e-004 | 1.2700e-003 | 0.0000 | 3.5000e-004 | 0.0000 | 3.5000e-004 | 9.0000e-005 | 0.0000 | 9.0000e-005 | 0.0000 | 0.3123 | 0.3123 | 1.0000e-005 | 0.0000 | 0.3125 |
| Total | 1.8000e-004 | 1.2000e-004 | 1.2700e-003 | 0.0000 | 3.5000e-004 | 0.0000 | 3.5000e-004 | 9.0000e-005 | 0.0000 | 9.0000e-005 | 0.0000 | 0.3123 | 0.3123 | 1.0000e-005 | 0.0000 | 0.3125 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 0.3360 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 3.5100e-003 | 0.0244 | 0.0266 | 4.0000e-005 | | 1.6100e-003 | 1.6100e-003 | | 1.6100e-003 | 1.6100e-003 | 0.0000 | 3.7022 | 3.7022 | 2.9000e-004 | 0.0000 | 3.7094 |
| Total | 0.3396 | 0.0244 | 0.0266 | 4.0000e-005 | | 1.6100e-003 | 1.6100e-003 | | 1.6100e-003 | 1.6100e-003 | 0.0000 | 3.7022 | 3.7022 | 2.9000e-004 | 0.0000 | 3.7094 |

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3.7 Architectural Coating - 2020

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 1.8000e-004 | 1.2000e-004 | 1.2700e-003 | 0.0000 | 3.5000e-004 | 0.0000 | 3.5000e-004 | 9.0000e-005 | 0.0000 | 9.0000e-005 | 0.0000 | 0.3123 | 0.3123 | 1.0000e-005 | 0.0000 | 0.3125 |
| Total | 1.8000e-004 | 1.2000e-004 | 1.2700e-003 | 0.0000 | 3.5000e-004 | 0.0000 | 3.5000e-004 | 9.0000e-005 | 0.0000 | 9.0000e-005 | 0.0000 | 0.3123 | 0.3123 | 1.0000e-005 | 0.0000 | 0.3125 |

3.7 Architectural Coating - 2021

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 0.0116 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 1.1000e-004 | 7.6000e-004 | 9.1000e-004 | 0.0000 | | 5.0000e-005 | 5.0000e-005 | | 5.0000e-005 | 5.0000e-005 | 0.0000 | 0.1277 | 0.1277 | 1.0000e-005 | 0.0000 | 0.1279 |
| Total | 0.0117 | 7.6000e-004 | 9.1000e-004 | 0.0000 | | 5.0000e-005 | 5.0000e-005 | | 5.0000e-005 | 5.0000e-005 | 0.0000 | 0.1277 | 0.1277 | 1.0000e-005 | 0.0000 | 0.1279 |

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3.7 Architectural Coating - 2021

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 1.0000e-005 | 0.0000 | 4.0000e-005 | 0.0000 | 1.0000e-005 | 0.0000 | 1.0000e-005 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0104 | 0.0104 | 0.0000 | 0.0000 | 0.0104 |
| Total | 1.0000e-005 | 0.0000 | 4.0000e-005 | 0.0000 | 1.0000e-005 | 0.0000 | 1.0000e-005 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0104 | 0.0104 | 0.0000 | 0.0000 | 0.0104 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 0.0116 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 1.1000e-004 | 7.6000e-004 | 9.1000e-004 | 0.0000 | | 5.0000e-005 | 5.0000e-005 | | 5.0000e-005 | 5.0000e-005 | 0.0000 | 0.1277 | 0.1277 | 1.0000e-005 | 0.0000 | 0.1279 |
| Total | 0.0117 | 7.6000e-004 | 9.1000e-004 | 0.0000 | | 5.0000e-005 | 5.0000e-005 | | 5.0000e-005 | 5.0000e-005 | 0.0000 | 0.1277 | 0.1277 | 1.0000e-005 | 0.0000 | 0.1279 |

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3.7 Architectural Coating - 2021

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 1.0000e-005 | 0.0000 | 4.0000e-005 | 0.0000 | 1.0000e-005 | 0.0000 | 1.0000e-005 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0104 | 0.0104 | 0.0000 | 0.0000 | 0.0104 |
| Total | 1.0000e-005 | 0.0000 | 4.0000e-005 | 0.0000 | 1.0000e-005 | 0.0000 | 1.0000e-005 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0104 | 0.0104 | 0.0000 | 0.0000 | 0.0104 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|---------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|--------|------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 0.5351 | 0.9519 | 5.2470 | 0.0133 | 1.2103 | 0.0123 | 1.2227 | 0.3233 | 0.0115 | 0.3348 | 0.0000 | 1,202.7360 | 1,202.7360 | 0.0514 | 0.0000 | 1,204.0202 |
| Unmitigated | 0.5351 | 0.9519 | 5.2470 | 0.0133 | 1.2103 | 0.0123 | 1.2227 | 0.3233 | 0.0115 | 0.3348 | 0.0000 | 1,202.7360 | 1,202.7360 | 0.0514 | 0.0000 | 1,204.0202 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|--------------------------|-------------------------|----------|----------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Regional Shopping Center | 1,850.00 | 1,850.00 | 1850.00 | 3,243,614 | 3,243,614 |
| Total | 1,850.00 | 1,850.00 | 1,850.00 | 3,243,614 | 3,243,614 |

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 |
| Regional Shopping Center | 9.50 | 7.30 | 7.30 | 16.30 | 64.70 | 19.00 | 54 | 35 | 11 |

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Regional Shopping Center | 0.628534 | 0.033454 | 0.168279 | 0.130431 | 0.021581 | 0.002000 | 0.004000 | 0.001000 | 0.001799 | 0.001690 | 0.005397 | 0.000987 | 0.000848 |

5.0 Energy Detail

Historical Energy Use: N

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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 | 60.7750 | 60.7750 | 5.3600e-003 | 1.1100e-003 | 61.2395 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 60.7750 | 60.7750 | 5.3600e-003 | 1.1100e-003 | 61.2395 |
| NaturalGas Mitigated | 2.8800e-003 | 0.0262 | 0.0220 | 1.6000e-004 | | 1.9900e-003 | 1.9900e-003 | | 1.9900e-003 | 1.9900e-003 | 0.0000 | 28.5496 | 28.5496 | 5.5000e-004 | 5.2000e-004 | 28.7193 |
| NaturalGas Unmitigated | 2.8800e-003 | 0.0262 | 0.0220 | 1.6000e-004 | | 1.9900e-003 | 1.9900e-003 | | 1.9900e-003 | 1.9900e-003 | 0.0000 | 28.5496 | 28.5496 | 5.5000e-004 | 5.2000e-004 | 28.7193 |

5.2 Energy by Land Use - NaturalGas

Unmitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------------------|----------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|--------------------|----------------|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Regional Shopping Center | 535000 | 2.8800e-003 | 0.0262 | 0.0220 | 1.6000e-004 | | 1.9900e-003 | 1.9900e-003 | | 1.9900e-003 | 1.9900e-003 | 0.0000 | 28.5496 | 28.5496 | 5.5000e-004 | 5.2000e-004 | 28.7193 |
| Total | | 2.8800e-003 | 0.0262 | 0.0220 | 1.6000e-004 | | 1.9900e-003 | 1.9900e-003 | | 1.9900e-003 | 1.9900e-003 | 0.0000 | 28.5496 | 28.5496 | 5.5000e-004 | 5.2000e-004 | 28.7193 |

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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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Regional Shopping Center | 535000 | 2.8800e-003 | 0.0262 | 0.0220 | 1.6000e-004 | | 1.9900e-003 | 1.9900e-003 | | 1.9900e-003 | 1.9900e-003 | 0.0000 | 28.5496 | 28.5496 | 5.5000e-004 | 5.2000e-004 | 28.7193 |
| Total | | 2.8800e-003 | 0.0262 | 0.0220 | 1.6000e-004 | | 1.9900e-003 | 1.9900e-003 | | 1.9900e-003 | 1.9900e-003 | 0.0000 | 28.5496 | 28.5496 | 5.5000e-004 | 5.2000e-004 | 28.7193 |

5.3 Energy by Land Use - Electricity

Unmitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|--------------------------|-----------------|----------------|--------------------|--------------------|----------------|
| Land Use | kWh/yr | MT/yr | | | |
| Regional Shopping Center | 407500 | 60.7750 | 5.3600e-003 | 1.1100e-003 | 61.2395 |
| Total | | 60.7750 | 5.3600e-003 | 1.1100e-003 | 61.2395 |

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5.3 Energy by Land Use - Electricity

Mitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|--------------------------|-----------------|----------------|--------------------|--------------------|----------------|
| Land Use | kWh/yr | MT/yr | | | |
| Regional Shopping Center | 407500 | 60.7750 | 5.3600e-003 | 1.1100e-003 | 61.2395 |
| Total | | 60.7750 | 5.3600e-003 | 1.1100e-003 | 61.2395 |

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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 0.2301 | 0.0000 | 4.6000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 8.9000e-004 | 8.9000e-004 | 0.0000 | 0.0000 | 9.5000e-004 |
| Unmitigated | 0.2301 | 0.0000 | 4.6000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 8.9000e-004 | 8.9000e-004 | 0.0000 | 0.0000 | 9.5000e-004 |

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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 | 0.0348 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.1953 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 4.0000e-005 | 0.0000 | 4.6000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 8.9000e-004 | 8.9000e-004 | 0.0000 | 0.0000 | 9.5000e-004 |
| Total | 0.2301 | 0.0000 | 4.6000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 8.9000e-004 | 8.9000e-004 | 0.0000 | 0.0000 | 9.5000e-004 |

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 | 0.0348 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.1953 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 4.0000e-005 | 0.0000 | 4.6000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 8.9000e-004 | 8.9000e-004 | 0.0000 | 0.0000 | 9.5000e-004 |
| Total | 0.2301 | 0.0000 | 4.6000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 8.9000e-004 | 8.9000e-004 | 0.0000 | 0.0000 | 9.5000e-004 |

7.0 Water Detail

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7.1 Mitigation Measures Water

| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|-------------|--------|
| Category | MT/yr | | | |
| Mitigated | 5.3487 | 0.1211 | 2.9300e-003 | 9.2469 |
| Unmitigated | 5.3487 | 0.1211 | 2.9300e-003 | 9.2469 |

7.2 Water by Land Use

Unmitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|--------------------------|--------------------|---------------|---------------|--------------------|---------------|
| Land Use | Mgal | MT/yr | | | |
| Regional Shopping Center | 3.70363 / 2.26996 | 5.3487 | 0.1211 | 2.9300e-003 | 9.2469 |
| Total | | 5.3487 | 0.1211 | 2.9300e-003 | 9.2469 |

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7.2 Water by Land Use

Mitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|--------------------------|--------------------|---------------|---------------|--------------------|---------------|
| Land Use | Mgal | MT/yr | | | |
| Regional Shopping Center | 3.70363 / 2.26996 | 5.3487 | 0.1211 | 2.9300e-003 | 9.2469 |
| Total | | 5.3487 | 0.1211 | 2.9300e-003 | 9.2469 |

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|--------|---------|
| | MT/yr | | | |
| Mitigated | 10.6570 | 0.6298 | 0.0000 | 26.4023 |
| Unmitigated | 10.6570 | 0.6298 | 0.0000 | 26.4023 |

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8.2 Waste by Land Use

Unmitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|--------------------------|----------------|----------------|---------------|---------------|----------------|
| Land Use | tons | MT/yr | | | |
| Regional Shopping Center | 52.5 | 10.6570 | 0.6298 | 0.0000 | 26.4023 |
| Total | | 10.6570 | 0.6298 | 0.0000 | 26.4023 |

Mitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|--------------------------|----------------|----------------|---------------|---------------|----------------|
| Land Use | tons | MT/yr | | | |
| Regional Shopping Center | 52.5 | 10.6570 | 0.6298 | 0.0000 | 26.4023 |
| Total | | 10.6570 | 0.6298 | 0.0000 | 26.4023 |

9.0 Operational Offroad

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

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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Merced Mall - Phase II Alternative 1 - San Joaquin Valley Unified APCD Air District, Annual

Merced Mall - Phase II Alternative 1
San Joaquin Valley Unified APCD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|----------------------------|-------|----------|-------------|--------------------|------------|
| Movie Theater (No Matinee) | 72.00 | 1000sqft | 1.65 | 72,000.00 | 0 |
| Regional Shopping Center | 22.68 | 1000sqft | 0.52 | 22,680.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|---------------------------------|--------------------------------|---------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.7 | Precipitation Freq (Days) | 45 |
| Climate Zone | 3 | | | Operational Year | 2022 |
| Utility Company | Pacific Gas & Electric Company | | | | |
| CO2 Intensity (lb/MW hr) | 328.8 | CH4 Intensity (lb/MW hr) | 0.029 | N2O Intensity (lb/MW hr) | 0.006 |

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 intensity based on 5-year average (2016-2020), PG&E 2015
 Start of construction would be dependent on market conditions; therefore this analysis assumes construction would begin in January 2021 following construction of Phase I

Land Use - The existing theater is approximately 22,680 square feet in size and would be demolished and replaced with a building of the same size to be used for retail uses

Construction Phase - Demolition and construction of Phase II Alternative 1 is anticipated to occur over approximately 20 months.

Demolition - The existing theater is approximately 22,680 square feet in size and would be demolished.

Grading - Under Phase II Alternative 1, approximately 5,910 cubic yards of construction debris would be collected and off-hauled from the project site.

Vehicle Trips - Trip rates based on project trip generation

Fleet Mix - Truck percentages based on survey for similar shopping center project.

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| Table Name | Column Name | Default Value | New Value |
|---------------------------|--------------------|---------------|-------------|
| tblConstructionPhase | NumDays | 10.00 | 30.00 |
| tblConstructionPhase | NumDays | 220.00 | 300.00 |
| tblConstructionPhase | NumDays | 20.00 | 30.00 |
| tblConstructionPhase | NumDays | 6.00 | 30.00 |
| tblConstructionPhase | NumDays | 10.00 | 30.00 |
| tblConstructionPhase | NumDays | 3.00 | 30.00 |
| tblFleetMix | HHD | 0.11 | 1.0000e-003 |
| tblFleetMix | HHD | 0.11 | 1.0000e-003 |
| tblFleetMix | LDA | 0.51 | 0.64 |
| tblFleetMix | LDA | 0.51 | 0.64 |
| tblFleetMix | LHD2 | 5.0970e-003 | 1.0000e-003 |
| tblFleetMix | LHD2 | 5.0970e-003 | 1.0000e-003 |
| tblFleetMix | MHD | 0.02 | 3.0000e-003 |
| tblFleetMix | MHD | 0.02 | 3.0000e-003 |
| tblGrading | AcresOfGrading | 15.00 | 3.00 |
| tblGrading | AcresOfGrading | 45.00 | 4.50 |
| tblGrading | MaterialExported | 0.00 | 5,910.00 |
| tblProjectCharacteristics | CO2IntensityFactor | 641.35 | 328.8 |
| tblVehicleTrips | ST_TR | 99.28 | 42.25 |
| tblVehicleTrips | ST_TR | 49.97 | 0.00 |
| tblVehicleTrips | SU_TR | 81.90 | 42.25 |
| tblVehicleTrips | SU_TR | 25.24 | 0.00 |
| tblVehicleTrips | WD_TR | 78.06 | 42.25 |
| tblVehicleTrips | WD_TR | 42.70 | 0.00 |

2.0 Emissions Summary

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| Quarter | Start Date | End Date | Maximum Unmitigated ROG + NOX (tons/quarter) | Maximum Mitigated ROG + NOX (tons/quarter) |
|---------|------------|------------|--|--|
| 1 | 1-1-2021 | 3-31-2021 | 0.7836 | 0.7836 |
| 2 | 4-1-2021 | 6-30-2021 | 0.6795 | 0.6795 |
| 3 | 7-1-2021 | 9-30-2021 | 0.6612 | 0.6612 |
| 4 | 10-1-2021 | 12-31-2021 | 0.6620 | 0.6620 |
| 5 | 1-1-2022 | 3-31-2022 | 0.5919 | 0.5919 |
| 6 | 4-1-2022 | 6-30-2022 | 0.5978 | 0.5978 |
| 7 | 7-1-2022 | 9-30-2022 | 0.8387 | 0.8387 |
| | | Highest | 0.8387 | 0.8387 |

2.2 Overall Operational

Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------------|-------------------|-------------------|---------------|---------------|-------------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 0.4357 | 1.0000e-005 | 8.7000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 1.6900e-003 | 1.6900e-003 | 0.0000 | 0.0000 | 1.8000e-003 |
| Energy | 9.4100e-003 | 0.0856 | 0.0719 | 5.1000e-004 | | 6.5000e-003 | 6.5000e-003 | | 6.5000e-003 | 6.5000e-003 | 0.0000 | 215.4149 | 215.4149 | 0.0126 | 3.9400e-003 | 216.9029 |
| Mobile | 0.7494 | 1.2832 | 7.4672 | 0.0215 | 2.1349 | 0.0185 | 2.1534 | 0.5698 | 0.0172 | 0.5871 | 0.0000 | 1,948.4579 | 1,948.4579 | 0.0743 | 0.0000 | 1,950.3153 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 88.1407 | 0.0000 | 88.1407 | 5.2090 | 0.0000 | 218.3649 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 9.7065 | 26.1914 | 35.8978 | 0.9993 | 0.0240 | 68.0366 |
| Total | 1.1945 | 1.3687 | 7.5399 | 0.0220 | 2.1349 | 0.0250 | 2.1599 | 0.5698 | 0.0237 | 0.5936 | 97.8472 | 2,190.0658 | 2,287.9130 | 6.2951 | 0.0280 | 2,453.6215 |

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2.2 Overall Operational

Mitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------------|-------------------|-------------------|---------------|---------------|-------------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 0.4357 | 1.0000e-005 | 8.7000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 1.6900e-003 | 1.6900e-003 | 0.0000 | 0.0000 | 1.8000e-003 |
| Energy | 9.4100e-003 | 0.0856 | 0.0719 | 5.1000e-004 | | 6.5000e-003 | 6.5000e-003 | | 6.5000e-003 | 6.5000e-003 | 0.0000 | 215.4149 | 215.4149 | 0.0126 | 3.9400e-003 | 216.9029 |
| Mobile | 0.7494 | 1.2832 | 7.4672 | 0.0215 | 2.1349 | 0.0185 | 2.1534 | 0.5698 | 0.0172 | 0.5871 | 0.0000 | 1,948.4579 | 1,948.4579 | 0.0743 | 0.0000 | 1,950.3153 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 88.1407 | 0.0000 | 88.1407 | 5.2090 | 0.0000 | 218.3649 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 9.7065 | 26.1914 | 35.8978 | 0.9993 | 0.0240 | 68.0366 |
| Total | 1.1945 | 1.3687 | 7.5399 | 0.0220 | 2.1349 | 0.0250 | 2.1599 | 0.5698 | 0.0237 | 0.5936 | 97.8472 | 2,190.0658 | 2,287.9130 | 6.2951 | 0.0280 | 2,453.6215 |

| | ROG | NOx | CO | SO2 | 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

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| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|-----------|---------------|----------|-------------------|
| 1 | Demolition | Demolition | 1/1/2021 | 2/11/2021 | 5 | 30 | |
| 2 | Site Preparation | Site Preparation | 2/12/2021 | 3/25/2021 | 5 | 30 | |
| 3 | Grading | Grading | 3/26/2021 | 5/6/2021 | 5 | 30 | |
| 4 | Building Construction | Building Construction | 5/7/2021 | 6/30/2022 | 5 | 300 | |
| 5 | Paving | Paving | 7/1/2022 | 8/11/2022 | 5 | 30 | |
| 6 | Architectural Coating | Architectural Coating | 8/12/2022 | 9/22/2022 | 5 | 30 | |

Acres of Grading (Site Preparation Phase): 4.5

Acres of Grading (Grading Phase): 3

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 142,020; Non-Residential Outdoor: 47,340; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

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| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Demolition | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Demolition | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Demolition | Tractors/Loaders/Backhoes | 3 | 8.00 | 97 | 0.37 |
| Site Preparation | Graders | 1 | 8.00 | 187 | 0.41 |
| Site Preparation | Scrapers | 1 | 8.00 | 367 | 0.48 |
| Site Preparation | Tractors/Loaders/Backhoes | 1 | 7.00 | 97 | 0.37 |
| Grading | Graders | 1 | 8.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Grading | Tractors/Loaders/Backhoes | 2 | 7.00 | 97 | 0.37 |
| Building Construction | Cranes | 1 | 8.00 | 231 | 0.29 |
| Building Construction | Forklifts | 2 | 7.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 1 | 6.00 | 97 | 0.37 |
| Building Construction | Welders | 3 | 8.00 | 46 | 0.45 |
| Paving | Cement and Mortar Mixers | 1 | 8.00 | 9 | 0.56 |
| Paving | Pavers | 1 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 1 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 2 | 8.00 | 80 | 0.38 |
| Paving | Tractors/Loaders/Backhoes | 1 | 8.00 | 97 | 0.37 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |

Trips and VMT

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| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Demolition | 5 | 13.00 | 0.00 | 103.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 3 | 8.00 | 0.00 | 739.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 4 | 10.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 8 | 38.00 | 16.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 6 | 15.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 8.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.0113 | 0.0000 | 0.0113 | 1.7200e-003 | 0.0000 | 1.7200e-003 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0299 | 0.2955 | 0.2174 | 3.6000e-004 | | 0.0156 | 0.0156 | | 0.0146 | 0.0146 | 0.0000 | 31.6070 | 31.6070 | 8.0800e-003 | 0.0000 | 31.8091 |
| Total | 0.0299 | 0.2955 | 0.2174 | 3.6000e-004 | 0.0113 | 0.0156 | 0.0270 | 1.7200e-003 | 0.0146 | 0.0163 | 0.0000 | 31.6070 | 31.6070 | 8.0800e-003 | 0.0000 | 31.8091 |

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3.2 Demolition - 2021

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 3.9000e-004 | 0.0132 | 2.0000e-003 | 4.0000e-005 | 8.8000e-004 | 4.0000e-005 | 9.2000e-004 | 2.4000e-004 | 4.0000e-005 | 2.8000e-004 | 0.0000 | 3.8658 | 3.8658 | 2.1000e-004 | 0.0000 | 3.8711 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 7.6000e-004 | 5.0000e-004 | 5.1600e-003 | 1.0000e-005 | 1.5600e-003 | 1.0000e-005 | 1.5700e-003 | 4.1000e-004 | 1.0000e-005 | 4.2000e-004 | 0.0000 | 1.3513 | 1.3513 | 4.0000e-005 | 0.0000 | 1.3522 |
| Total | 1.1500e-003 | 0.0137 | 7.1600e-003 | 5.0000e-005 | 2.4400e-003 | 5.0000e-005 | 2.4900e-003 | 6.5000e-004 | 5.0000e-005 | 7.0000e-004 | 0.0000 | 5.2171 | 5.2171 | 2.5000e-004 | 0.0000 | 5.2232 |

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 | | | | | 0.0113 | 0.0000 | 0.0113 | 1.7200e-003 | 0.0000 | 1.7200e-003 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0299 | 0.2955 | 0.2174 | 3.6000e-004 | | 0.0156 | 0.0156 | | 0.0146 | 0.0146 | 0.0000 | 31.6070 | 31.6070 | 8.0800e-003 | 0.0000 | 31.8090 |
| Total | 0.0299 | 0.2955 | 0.2174 | 3.6000e-004 | 0.0113 | 0.0156 | 0.0270 | 1.7200e-003 | 0.0146 | 0.0163 | 0.0000 | 31.6070 | 31.6070 | 8.0800e-003 | 0.0000 | 31.8090 |

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3.2 Demolition - 2021

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 3.9000e-004 | 0.0132 | 2.0000e-003 | 4.0000e-005 | 8.8000e-004 | 4.0000e-005 | 9.2000e-004 | 2.4000e-004 | 4.0000e-005 | 2.8000e-004 | 0.0000 | 3.8658 | 3.8658 | 2.1000e-004 | 0.0000 | 3.8711 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 7.6000e-004 | 5.0000e-004 | 5.1600e-003 | 1.0000e-005 | 1.5600e-003 | 1.0000e-005 | 1.5700e-003 | 4.1000e-004 | 1.0000e-005 | 4.2000e-004 | 0.0000 | 1.3513 | 1.3513 | 4.0000e-005 | 0.0000 | 1.3522 |
| Total | 1.1500e-003 | 0.0137 | 7.1600e-003 | 5.0000e-005 | 2.4400e-003 | 5.0000e-005 | 2.4900e-003 | 6.5000e-004 | 5.0000e-005 | 7.0000e-004 | 0.0000 | 5.2171 | 5.2171 | 2.5000e-004 | 0.0000 | 5.2232 |

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|---------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 2.8200e-003 | 0.0000 | 2.8200e-003 | 3.2000e-004 | 0.0000 | 3.2000e-004 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0232 | 0.2743 | 0.1612 | 3.7000e-004 | | 0.0105 | 0.0105 | | 9.6900e-003 | 9.6900e-003 | 0.0000 | 32.2897 | 32.2897 | 0.0104 | 0.0000 | 32.5507 |
| Total | 0.0232 | 0.2743 | 0.1612 | 3.7000e-004 | 2.8200e-003 | 0.0105 | 0.0134 | 3.2000e-004 | 9.6900e-003 | 0.0100 | 0.0000 | 32.2897 | 32.2897 | 0.0104 | 0.0000 | 32.5507 |

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3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 2.7700e-003 | 0.0946 | 0.0143 | 2.9000e-004 | 6.3200e-003 | 3.1000e-004 | 6.6300e-003 | 1.7400e-003 | 3.0000e-004 | 2.0300e-003 | 0.0000 | 27.7358 | 27.7358 | 1.5200e-003 | 0.0000 | 27.7739 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 4.7000e-004 | 3.1000e-004 | 3.1700e-003 | 1.0000e-005 | 9.6000e-004 | 1.0000e-005 | 9.7000e-004 | 2.5000e-004 | 1.0000e-005 | 2.6000e-004 | 0.0000 | 0.8316 | 0.8316 | 2.0000e-005 | 0.0000 | 0.8321 |
| Total | 3.2400e-003 | 0.0949 | 0.0175 | 3.0000e-004 | 7.2800e-003 | 3.2000e-004 | 7.6000e-003 | 1.9900e-003 | 3.1000e-004 | 2.2900e-003 | 0.0000 | 28.5674 | 28.5674 | 1.5400e-003 | 0.0000 | 28.6060 |

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 | | | | | 2.8200e-003 | 0.0000 | 2.8200e-003 | 3.2000e-004 | 0.0000 | 3.2000e-004 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0232 | 0.2743 | 0.1612 | 3.7000e-004 | | 0.0105 | 0.0105 | | 9.6900e-003 | 9.6900e-003 | 0.0000 | 32.2896 | 32.2896 | 0.0104 | 0.0000 | 32.5507 |
| Total | 0.0232 | 0.2743 | 0.1612 | 3.7000e-004 | 2.8200e-003 | 0.0105 | 0.0134 | 3.2000e-004 | 9.6900e-003 | 0.0100 | 0.0000 | 32.2896 | 32.2896 | 0.0104 | 0.0000 | 32.5507 |

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3.3 Site Preparation - 2021

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 2.7700e-003 | 0.0946 | 0.0143 | 2.9000e-004 | 6.3200e-003 | 3.1000e-004 | 6.6300e-003 | 1.7400e-003 | 3.0000e-004 | 2.0300e-003 | 0.0000 | 27.7358 | 27.7358 | 1.5200e-003 | 0.0000 | 27.7739 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 4.7000e-004 | 3.1000e-004 | 3.1700e-003 | 1.0000e-005 | 9.6000e-004 | 1.0000e-005 | 9.7000e-004 | 2.5000e-004 | 1.0000e-005 | 2.6000e-004 | 0.0000 | 0.8316 | 0.8316 | 2.0000e-005 | 0.0000 | 0.8321 |
| Total | 3.2400e-003 | 0.0949 | 0.0175 | 3.0000e-004 | 7.2800e-003 | 3.2000e-004 | 7.6000e-003 | 1.9900e-003 | 3.1000e-004 | 2.2900e-003 | 0.0000 | 28.5674 | 28.5674 | 1.5400e-003 | 0.0000 | 28.6060 |

3.4 Grading - 2021

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.0919 | 0.0000 | 0.0919 | 0.0498 | 0.0000 | 0.0498 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0274 | 0.3032 | 0.1464 | 3.1000e-004 | | 0.0137 | 0.0137 | | 0.0126 | 0.0126 | 0.0000 | 27.1558 | 27.1558 | 8.7800e-003 | 0.0000 | 27.3754 |
| Total | 0.0274 | 0.3032 | 0.1464 | 3.1000e-004 | 0.0919 | 0.0137 | 0.1057 | 0.0498 | 0.0126 | 0.0625 | 0.0000 | 27.1558 | 27.1558 | 8.7800e-003 | 0.0000 | 27.3754 |

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3.4 Grading - 2021

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 5.8000e-004 | 3.8000e-004 | 3.9700e-003 | 1.0000e-005 | 1.2000e-003 | 1.0000e-005 | 1.2100e-003 | 3.2000e-004 | 1.0000e-005 | 3.3000e-004 | 0.0000 | 1.0395 | 1.0395 | 3.0000e-005 | 0.0000 | 1.0402 |
| Total | 5.8000e-004 | 3.8000e-004 | 3.9700e-003 | 1.0000e-005 | 1.2000e-003 | 1.0000e-005 | 1.2100e-003 | 3.2000e-004 | 1.0000e-005 | 3.3000e-004 | 0.0000 | 1.0395 | 1.0395 | 3.0000e-005 | 0.0000 | 1.0402 |

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 | | | | | 0.0919 | 0.0000 | 0.0919 | 0.0498 | 0.0000 | 0.0498 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0274 | 0.3032 | 0.1464 | 3.1000e-004 | | 0.0137 | 0.0137 | | 0.0126 | 0.0126 | 0.0000 | 27.1558 | 27.1558 | 8.7800e-003 | 0.0000 | 27.3754 |
| Total | 0.0274 | 0.3032 | 0.1464 | 3.1000e-004 | 0.0919 | 0.0137 | 0.1057 | 0.0498 | 0.0126 | 0.0625 | 0.0000 | 27.1558 | 27.1558 | 8.7800e-003 | 0.0000 | 27.3754 |

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3.4 Grading - 2021

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 5.8000e-004 | 3.8000e-004 | 3.9700e-003 | 1.0000e-005 | 1.2000e-003 | 1.0000e-005 | 1.2100e-003 | 3.2000e-004 | 1.0000e-005 | 3.3000e-004 | 0.0000 | 1.0395 | 1.0395 | 3.0000e-005 | 0.0000 | 1.0402 |
| Total | 5.8000e-004 | 3.8000e-004 | 3.9700e-003 | 1.0000e-005 | 1.2000e-003 | 1.0000e-005 | 1.2100e-003 | 3.2000e-004 | 1.0000e-005 | 3.3000e-004 | 0.0000 | 1.0395 | 1.0395 | 3.0000e-005 | 0.0000 | 1.0402 |

3.5 Building Construction - 2021

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.1749 | 1.3704 | 1.2451 | 2.1400e-003 | | 0.0699 | 0.0699 | | 0.0670 | 0.0670 | 0.0000 | 177.5397 | 177.5397 | 0.0349 | 0.0000 | 178.4129 |
| Total | 0.1749 | 1.3704 | 1.2451 | 2.1400e-003 | | 0.0699 | 0.0699 | | 0.0670 | 0.0670 | 0.0000 | 177.5397 | 177.5397 | 0.0349 | 0.0000 | 178.4129 |

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3.5 Building Construction - 2021

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 4.4100e-003 | 0.1508 | 0.0275 | 3.9000e-004 | 9.0700e-003 | 4.2000e-004 | 9.4900e-003 | 2.6200e-003 | 4.1000e-004 | 3.0300e-003 | 0.0000 | 36.5955 | 36.5955 | 2.7900e-003 | 0.0000 | 36.6654 |
| Worker | 0.0127 | 8.2900e-003 | 0.0859 | 2.5000e-004 | 0.0260 | 1.8000e-004 | 0.0262 | 6.9000e-003 | 1.6000e-004 | 7.0700e-003 | 0.0000 | 22.5147 | 22.5147 | 5.9000e-004 | 0.0000 | 22.5296 |
| Total | 0.0171 | 0.1591 | 0.1135 | 6.4000e-004 | 0.0350 | 6.0000e-004 | 0.0356 | 9.5200e-003 | 5.7000e-004 | 0.0101 | 0.0000 | 59.1102 | 59.1102 | 3.3800e-003 | 0.0000 | 59.1950 |

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 | 0.1749 | 1.3704 | 1.2451 | 2.1400e-003 | | 0.0699 | 0.0699 | | 0.0670 | 0.0670 | 0.0000 | 177.5395 | 177.5395 | 0.0349 | 0.0000 | 178.4127 |
| Total | 0.1749 | 1.3704 | 1.2451 | 2.1400e-003 | | 0.0699 | 0.0699 | | 0.0670 | 0.0670 | 0.0000 | 177.5395 | 177.5395 | 0.0349 | 0.0000 | 178.4127 |

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3.5 Building Construction - 2021

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 4.4100e-003 | 0.1508 | 0.0275 | 3.9000e-004 | 9.0700e-003 | 4.2000e-004 | 9.4900e-003 | 2.6200e-003 | 4.1000e-004 | 3.0300e-003 | 0.0000 | 36.5955 | 36.5955 | 2.7900e-003 | 0.0000 | 36.6654 |
| Worker | 0.0127 | 8.2900e-003 | 0.0859 | 2.5000e-004 | 0.0260 | 1.8000e-004 | 0.0262 | 6.9000e-003 | 1.6000e-004 | 7.0700e-003 | 0.0000 | 22.5147 | 22.5147 | 5.9000e-004 | 0.0000 | 22.5296 |
| Total | 0.0171 | 0.1591 | 0.1135 | 6.4000e-004 | 0.0350 | 6.0000e-004 | 0.0356 | 9.5200e-003 | 5.7000e-004 | 0.0101 | 0.0000 | 59.1102 | 59.1102 | 3.3800e-003 | 0.0000 | 59.1950 |

3.5 Building Construction - 2022

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.1197 | 0.9420 | 0.9258 | 1.6100e-003 | | 0.0453 | 0.0453 | | 0.0434 | 0.0434 | 0.0000 | 133.9537 | 133.9537 | 0.0258 | 0.0000 | 134.5998 |
| Total | 0.1197 | 0.9420 | 0.9258 | 1.6100e-003 | | 0.0453 | 0.0453 | | 0.0434 | 0.0434 | 0.0000 | 133.9537 | 133.9537 | 0.0258 | 0.0000 | 134.5998 |

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3.5 Building Construction - 2022

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 3.0900e-003 | 0.1078 | 0.0192 | 2.9000e-004 | 6.8400e-003 | 2.8000e-004 | 7.1200e-003 | 1.9800e-003 | 2.7000e-004 | 2.2400e-003 | 0.0000 | 27.3508 | 27.3508 | 2.0300e-003 | 0.0000 | 27.4016 |
| Worker | 8.8400e-003 | 5.5800e-003 | 0.0591 | 1.8000e-004 | 0.0196 | 1.3000e-004 | 0.0197 | 5.2100e-003 | 1.2000e-004 | 5.3300e-003 | 0.0000 | 16.3778 | 16.3778 | 4.0000e-004 | 0.0000 | 16.3878 |
| Total | 0.0119 | 0.1134 | 0.0782 | 4.7000e-004 | 0.0264 | 4.1000e-004 | 0.0269 | 7.1900e-003 | 3.9000e-004 | 7.5700e-003 | 0.0000 | 43.7286 | 43.7286 | 2.4300e-003 | 0.0000 | 43.7894 |

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 | 0.1197 | 0.9420 | 0.9258 | 1.6100e-003 | | 0.0453 | 0.0453 | | 0.0434 | 0.0434 | 0.0000 | 133.9535 | 133.9535 | 0.0258 | 0.0000 | 134.5996 |
| Total | 0.1197 | 0.9420 | 0.9258 | 1.6100e-003 | | 0.0453 | 0.0453 | | 0.0434 | 0.0434 | 0.0000 | 133.9535 | 133.9535 | 0.0258 | 0.0000 | 134.5996 |

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3.5 Building Construction - 2022

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 3.0900e-003 | 0.1078 | 0.0192 | 2.9000e-004 | 6.8400e-003 | 2.8000e-004 | 7.1200e-003 | 1.9800e-003 | 2.7000e-004 | 2.2400e-003 | 0.0000 | 27.3508 | 27.3508 | 2.0300e-003 | 0.0000 | 27.4016 |
| Worker | 8.8400e-003 | 5.5800e-003 | 0.0591 | 1.8000e-004 | 0.0196 | 1.3000e-004 | 0.0197 | 5.2100e-003 | 1.2000e-004 | 5.3300e-003 | 0.0000 | 16.3778 | 16.3778 | 4.0000e-004 | 0.0000 | 16.3878 |
| Total | 0.0119 | 0.1134 | 0.0782 | 4.7000e-004 | 0.0264 | 4.1000e-004 | 0.0269 | 7.1900e-003 | 3.9000e-004 | 7.5700e-003 | 0.0000 | 43.7286 | 43.7286 | 2.4300e-003 | 0.0000 | 43.7894 |

3.6 Paving - 2022

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0141 | 0.1400 | 0.1755 | 2.7000e-004 | | 7.3200e-003 | 7.3200e-003 | | 6.7500e-003 | 6.7500e-003 | 0.0000 | 23.2651 | 23.2651 | 7.3700e-003 | 0.0000 | 23.4494 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.0141 | 0.1400 | 0.1755 | 2.7000e-004 | | 7.3200e-003 | 7.3200e-003 | | 6.7500e-003 | 6.7500e-003 | 0.0000 | 23.2651 | 23.2651 | 7.3700e-003 | 0.0000 | 23.4494 |

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3.6 Paving - 2022

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 8.1000e-004 | 5.1000e-004 | 5.4200e-003 | 2.0000e-005 | 1.8000e-003 | 1.0000e-005 | 1.8100e-003 | 4.8000e-004 | 1.0000e-005 | 4.9000e-004 | 0.0000 | 1.5035 | 1.5035 | 4.0000e-005 | 0.0000 | 1.5044 |
| Total | 8.1000e-004 | 5.1000e-004 | 5.4200e-003 | 2.0000e-005 | 1.8000e-003 | 1.0000e-005 | 1.8100e-003 | 4.8000e-004 | 1.0000e-005 | 4.9000e-004 | 0.0000 | 1.5035 | 1.5035 | 4.0000e-005 | 0.0000 | 1.5044 |

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 | 0.0141 | 0.1400 | 0.1755 | 2.7000e-004 | | 7.3200e-003 | 7.3200e-003 | | 6.7500e-003 | 6.7500e-003 | 0.0000 | 23.2650 | 23.2650 | 7.3700e-003 | 0.0000 | 23.4494 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.0141 | 0.1400 | 0.1755 | 2.7000e-004 | | 7.3200e-003 | 7.3200e-003 | | 6.7500e-003 | 6.7500e-003 | 0.0000 | 23.2650 | 23.2650 | 7.3700e-003 | 0.0000 | 23.4494 |

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3.6 Paving - 2022

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 8.1000e-004 | 5.1000e-004 | 5.4200e-003 | 2.0000e-005 | 1.8000e-003 | 1.0000e-005 | 1.8100e-003 | 4.8000e-004 | 1.0000e-005 | 4.9000e-004 | 0.0000 | 1.5035 | 1.5035 | 4.0000e-005 | 0.0000 | 1.5044 |
| Total | 8.1000e-004 | 5.1000e-004 | 5.4200e-003 | 2.0000e-005 | 1.8000e-003 | 1.0000e-005 | 1.8100e-003 | 4.8000e-004 | 1.0000e-005 | 4.9000e-004 | 0.0000 | 1.5035 | 1.5035 | 4.0000e-005 | 0.0000 | 1.5044 |

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 0.6583 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 3.0700e-003 | 0.0211 | 0.0272 | 4.0000e-005 | | 1.2300e-003 | 1.2300e-003 | | 1.2300e-003 | 1.2300e-003 | 0.0000 | 3.8299 | 3.8299 | 2.5000e-004 | 0.0000 | 3.8361 |
| Total | 0.6613 | 0.0211 | 0.0272 | 4.0000e-005 | | 1.2300e-003 | 1.2300e-003 | | 1.2300e-003 | 1.2300e-003 | 0.0000 | 3.8299 | 3.8299 | 2.5000e-004 | 0.0000 | 3.8361 |

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3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 4.3000e-004 | 2.7000e-004 | 2.8900e-003 | 1.0000e-005 | 9.6000e-004 | 1.0000e-005 | 9.7000e-004 | 2.5000e-004 | 1.0000e-005 | 2.6000e-004 | 0.0000 | 0.8019 | 0.8019 | 2.0000e-005 | 0.0000 | 0.8023 |
| Total | 4.3000e-004 | 2.7000e-004 | 2.8900e-003 | 1.0000e-005 | 9.6000e-004 | 1.0000e-005 | 9.7000e-004 | 2.5000e-004 | 1.0000e-005 | 2.6000e-004 | 0.0000 | 0.8019 | 0.8019 | 2.0000e-005 | 0.0000 | 0.8023 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 0.6583 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 3.0700e-003 | 0.0211 | 0.0272 | 4.0000e-005 | | 1.2300e-003 | 1.2300e-003 | | 1.2300e-003 | 1.2300e-003 | 0.0000 | 3.8299 | 3.8299 | 2.5000e-004 | 0.0000 | 3.8361 |
| Total | 0.6613 | 0.0211 | 0.0272 | 4.0000e-005 | | 1.2300e-003 | 1.2300e-003 | | 1.2300e-003 | 1.2300e-003 | 0.0000 | 3.8299 | 3.8299 | 2.5000e-004 | 0.0000 | 3.8361 |

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3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 4.3000e-004 | 2.7000e-004 | 2.8900e-003 | 1.0000e-005 | 9.6000e-004 | 1.0000e-005 | 9.7000e-004 | 2.5000e-004 | 1.0000e-005 | 2.6000e-004 | 0.0000 | 0.8019 | 0.8019 | 2.0000e-005 | 0.0000 | 0.8023 |
| Total | 4.3000e-004 | 2.7000e-004 | 2.8900e-003 | 1.0000e-005 | 9.6000e-004 | 1.0000e-005 | 9.7000e-004 | 2.5000e-004 | 1.0000e-005 | 2.6000e-004 | 0.0000 | 0.8019 | 0.8019 | 2.0000e-005 | 0.0000 | 0.8023 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|---------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|--------|------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 0.7494 | 1.2832 | 7.4672 | 0.0215 | 2.1349 | 0.0185 | 2.1534 | 0.5698 | 0.0172 | 0.5871 | 0.0000 | 1,948.4579 | 1,948.4579 | 0.0743 | 0.0000 | 1,950.3153 |
| Unmitigated | 0.7494 | 1.2832 | 7.4672 | 0.0215 | 2.1349 | 0.0185 | 2.1534 | 0.5698 | 0.0172 | 0.5871 | 0.0000 | 1,948.4579 | 1,948.4579 | 0.0743 | 0.0000 | 1,950.3153 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|----------------------------|-------------------------|-----------------|-----------------|------------------|------------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Movie Theater (No Matinee) | 3,042.00 | 3,042.00 | 3,042.00 | 5,728,077 | 5,728,077 |
| Regional Shopping Center | 0.00 | 0.00 | 0.00 | | |
| Total | 3,042.00 | 3,042.00 | 3,042.00 | 5,728,077 | 5,728,077 |

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 |
| Movie Theater (No Matinee) | 9.50 | 7.30 | 7.30 | 1.80 | 79.20 | 19.00 | 66 | 17 | 17 |
| Regional Shopping Center | 9.50 | 7.30 | 7.30 | 16.30 | 64.70 | 19.00 | 54 | 35 | 11 |

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Movie Theater (No Matinee) | 0.644860 | 0.031902 | 0.170344 | 0.119204 | 0.018408 | 0.001000 | 0.003000 | 0.001000 | 0.001794 | 0.001564 | 0.005229 | 0.000954 | 0.000741 |
| Regional Shopping Center | 0.644860 | 0.031902 | 0.170344 | 0.119204 | 0.018408 | 0.001000 | 0.003000 | 0.001000 | 0.001794 | 0.001564 | 0.005229 | 0.000954 | 0.000741 |

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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 | 122.2782 | 122.2782 | 0.0108 | 2.2300e-003 | 123.2127 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 122.2782 | 122.2782 | 0.0108 | 2.2300e-003 | 123.2127 |
| NaturalGas Mitigated | 9.4100e-003 | 0.0856 | 0.0719 | 5.1000e-004 | | 6.5000e-003 | 6.5000e-003 | | 6.5000e-003 | 6.5000e-003 | 0.0000 | 93.1367 | 93.1367 | 1.7900e-003 | 1.7100e-003 | 93.6902 |
| NaturalGas Unmitigated | 9.4100e-003 | 0.0856 | 0.0719 | 5.1000e-004 | | 6.5000e-003 | 6.5000e-003 | | 6.5000e-003 | 6.5000e-003 | 0.0000 | 93.1367 | 93.1367 | 1.7900e-003 | 1.7100e-003 | 93.6902 |

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5.2 Energy by Land Use - NaturalGas

Unmitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|----------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|--------------------|----------------|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Movie Theater (No Matinee) | 1.50264e+006 | 8.1000e-003 | 0.0737 | 0.0619 | 4.4000e-004 | | 5.6000e-003 | 5.6000e-003 | | 5.6000e-003 | 5.6000e-003 | 0.0000 | 80.1866 | 80.1866 | 1.5400e-003 | 1.4700e-003 | 80.6631 |
| Regional Shopping Center | 242676 | 1.3100e-003 | 0.0119 | 9.9900e-003 | 7.0000e-005 | | 9.0000e-004 | 9.0000e-004 | | 9.0000e-004 | 9.0000e-004 | 0.0000 | 12.9501 | 12.9501 | 2.5000e-004 | 2.4000e-004 | 13.0271 |
| Total | | 9.4100e-003 | 0.0856 | 0.0719 | 5.1000e-004 | | 6.5000e-003 | 6.5000e-003 | | 6.5000e-003 | 6.5000e-003 | 0.0000 | 93.1367 | 93.1367 | 1.7900e-003 | 1.7100e-003 | 93.6902 |

Mitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|----------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|--------------------|----------------|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Movie Theater (No Matinee) | 1.50264e+006 | 8.1000e-003 | 0.0737 | 0.0619 | 4.4000e-004 | | 5.6000e-003 | 5.6000e-003 | | 5.6000e-003 | 5.6000e-003 | 0.0000 | 80.1866 | 80.1866 | 1.5400e-003 | 1.4700e-003 | 80.6631 |
| Regional Shopping Center | 242676 | 1.3100e-003 | 0.0119 | 9.9900e-003 | 7.0000e-005 | | 9.0000e-004 | 9.0000e-004 | | 9.0000e-004 | 9.0000e-004 | 0.0000 | 12.9501 | 12.9501 | 2.5000e-004 | 2.4000e-004 | 13.0271 |
| Total | | 9.4100e-003 | 0.0856 | 0.0719 | 5.1000e-004 | | 6.5000e-003 | 6.5000e-003 | | 6.5000e-003 | 6.5000e-003 | 0.0000 | 93.1367 | 93.1367 | 1.7900e-003 | 1.7100e-003 | 93.6902 |

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5.3 Energy by Land Use - Electricity

Unmitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|-----------------|-----------------|---------------|--------------------|-----------------|
| Land Use | kWh/yr | MT/yr | | | |
| Movie Theater (No Matinee) | 635040 | 94.7106 | 8.3500e-003 | 1.7300e-003 | 95.4345 |
| Regional Shopping Center | 184842 | 27.5676 | 2.4300e-003 | 5.0000e-004 | 27.7783 |
| Total | | 122.2782 | 0.0108 | 2.2300e-003 | 123.2127 |

Mitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|-----------------|-----------------|---------------|--------------------|-----------------|
| Land Use | kWh/yr | MT/yr | | | |
| Movie Theater (No Matinee) | 635040 | 94.7106 | 8.3500e-003 | 1.7300e-003 | 95.4345 |
| Regional Shopping Center | 184842 | 27.5676 | 2.4300e-003 | 5.0000e-004 | 27.7783 |
| Total | | 122.2782 | 0.0108 | 2.2300e-003 | 123.2127 |

6.0 Area Detail

6.1 Mitigation Measures Area

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| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|---------|-------------|-------------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-------------|-------------|--------|--------|-------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 0.4357 | 1.0000e-005 | 8.7000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 1.6900e-003 | 1.6900e-003 | 0.0000 | 0.0000 | 1.8000e-003 |
| Unmitigated | 0.4357 | 1.0000e-005 | 8.7000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 1.6900e-003 | 1.6900e-003 | 0.0000 | 0.0000 | 1.8000e-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 | 0.0658 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.3698 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 8.0000e-005 | 1.0000e-005 | 8.7000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 1.6900e-003 | 1.6900e-003 | 0.0000 | 0.0000 | 1.8000e-003 |
| Total | 0.4357 | 1.0000e-005 | 8.7000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 1.6900e-003 | 1.6900e-003 | 0.0000 | 0.0000 | 1.8000e-003 |

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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 | 0.0658 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.3698 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 8.0000e-005 | 1.0000e-005 | 8.7000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 1.6900e-003 | 1.6900e-003 | 0.0000 | 0.0000 | 1.8000e-003 |
| Total | 0.4357 | 1.0000e-005 | 8.7000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 1.6900e-003 | 1.6900e-003 | 0.0000 | 0.0000 | 1.8000e-003 |

7.0 Water Detail

7.1 Mitigation Measures Water

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| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|--------|---------|
| Category | MT/yr | | | |
| Mitigated | 35.8978 | 0.9993 | 0.0240 | 68.0366 |
| Unmitigated | 35.8978 | 0.9993 | 0.0240 | 68.0366 |

7.2 Water by Land Use

Unmitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|--------------------|----------------|---------------|---------------|----------------|
| Land Use | Mgal | MT/yr | | | |
| Movie Theater (No Matinee) | 28.9153 / 1.84566 | 33.4717 | 0.9444 | 0.0227 | 63.8423 |
| Regional Shopping Center | 1.67996 / 1.02966 | 2.4262 | 0.0549 | 1.3300e-003 | 4.1944 |
| Total | | 35.8978 | 0.9993 | 0.0240 | 68.0366 |

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7.2 Water by Land Use

Mitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|--------------------|----------------|---------------|---------------|----------------|
| Land Use | Mgal | MT/yr | | | |
| Movie Theater (No Matinee) | 28.9153 / 1.84566 | 33.4717 | 0.9444 | 0.0227 | 63.8423 |
| Regional Shopping Center | 1.67996 / 1.02966 | 2.4262 | 0.0549 | 1.3300e-003 | 4.1944 |
| Total | | 35.8978 | 0.9993 | 0.0240 | 68.0366 |

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|--------|----------|
| | MT/yr | | | |
| Mitigated | 88.1407 | 5.2090 | 0.0000 | 218.3649 |
| Unmitigated | 88.1407 | 5.2090 | 0.0000 | 218.3649 |

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8.2 Waste by Land Use

Unmitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|----------------|----------------|---------------|---------------|-----------------|
| Land Use | tons | MT/yr | | | |
| Movie Theater (No Matinee) | 410.4 | 83.3075 | 4.9233 | 0.0000 | 206.3908 |
| Regional Shopping Center | 23.81 | 4.8332 | 0.2856 | 0.0000 | 11.9741 |
| Total | | 88.1407 | 5.2090 | 0.0000 | 218.3649 |

Mitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|----------------|----------------|---------------|---------------|-----------------|
| Land Use | tons | MT/yr | | | |
| Movie Theater (No Matinee) | 410.4 | 83.3075 | 4.9233 | 0.0000 | 206.3908 |
| Regional Shopping Center | 23.81 | 4.8332 | 0.2856 | 0.0000 | 11.9741 |
| Total | | 88.1407 | 5.2090 | 0.0000 | 218.3649 |

9.0 Operational Offroad

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

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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

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1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|----------------------------|-------|----------|-------------|--------------------|------------|
| Movie Theater (No Matinee) | 72.00 | 1000sqft | 1.65 | 72,000.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|---------------------------------|--------------------------------|---------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.7 | Precipitation Freq (Days) | 45 |
| Climate Zone | 3 | | | Operational Year | 2023 |
| Utility Company | Pacific Gas & Electric Company | | | | |
| CO2 Intensity (lb/MW hr) | 328.8 | CH4 Intensity (lb/MW hr) | 0.029 | N2O Intensity (lb/MW hr) | 0.006 |

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 intensity based on 5-year average (2016-2020), PG&E 2015
 The timing of the construction of the selected Phase II alternative would be dependent on market conditions.

Land Use -

Construction Phase - Demolition and construction of Phase II Alternative 2 is anticipated to occur over approximately 24 months.

Demolition - Phase II Alternative 2 would demolish the existing United Artists Theater and two retail stores. The existing theater is approximately 22,680 square feet in size, and the existing retail stores are approximately 25,416 square feet in size.

Grading - Under Phase II Alternative 2, approximately 4,200 cubic yards of construction debris would be collected and off-hauled from the project site.

Vehicle Trips - Trip rates based on project trip generation

Fleet Mix - Truck percentages based on survey for similar shopping center project.

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| Table Name | Column Name | Default Value | New Value |
|---------------------------|--------------------|---------------|-------------|
| tblConstructionPhase | NumDays | 20.00 | 60.00 |
| tblConstructionPhase | NumDays | 2.00 | 40.00 |
| tblConstructionPhase | NumDays | 4.00 | 30.00 |
| tblConstructionPhase | NumDays | 200.00 | 320.00 |
| tblConstructionPhase | NumDays | 10.00 | 40.00 |
| tblConstructionPhase | NumDays | 10.00 | 40.00 |
| tblFleetMix | HHD | 0.11 | 6.0000e-003 |
| tblFleetMix | LDA | 0.52 | 0.63 |
| tblFleetMix | LHD2 | 4.8400e-003 | 7.0000e-003 |
| tblFleetMix | MHD | 0.02 | 0.16 |
| tblGrading | AcresOfGrading | 11.25 | 1.50 |
| tblGrading | AcresOfGrading | 20.00 | 1.00 |
| tblGrading | MaterialExported | 0.00 | 4,200.00 |
| tblProjectCharacteristics | CO2IntensityFactor | 641.35 | 328.8 |
| tblVehicleTrips | ST_TR | 99.28 | 8.07 |
| tblVehicleTrips | SU_TR | 81.90 | 8.07 |
| tblVehicleTrips | WD_TR | 78.06 | 8.07 |

2.0 Emissions Summary

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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 | | | | | |
| 2021 | 0.2445 | 2.2360 | 1.6258 | 3.4400e-003 | 0.2315 | 0.1016 | 0.3331 | 0.1079 | 0.0960 | 0.2038 | 0.0000 | 298.1497 | 298.1497 | 0.0568 | 0.0000 | 299.5697 |
| 2022 | 0.5756 | 1.4646 | 1.5048 | 2.9500e-003 | 0.0330 | 0.0643 | 0.0973 | 8.9500e-003 | 0.0619 | 0.0708 | 0.0000 | 250.4435 | 250.4435 | 0.0404 | 0.0000 | 251.4525 |
| 2023 | 0.1136 | 5.9200e-003 | 8.7400e-003 | 2.0000e-005 | 2.2000e-004 | 3.2000e-004 | 5.4000e-004 | 6.0000e-005 | 3.2000e-004 | 3.8000e-004 | 0.0000 | 1.3227 | 1.3227 | 7.0000e-005 | 0.0000 | 1.3245 |
| Maximum | 0.5756 | 2.2360 | 1.6258 | 3.4400e-003 | 0.2315 | 0.1016 | 0.3331 | 0.1079 | 0.0960 | 0.2038 | 0.0000 | 298.1497 | 298.1497 | 0.0568 | 0.0000 | 299.5697 |

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 | | | | | |
| 2021 | 0.2445 | 2.2360 | 1.6258 | 3.4400e-003 | 0.2315 | 0.1016 | 0.3331 | 0.1079 | 0.0960 | 0.2038 | 0.0000 | 298.1494 | 298.1494 | 0.0568 | 0.0000 | 299.5694 |
| 2022 | 0.5756 | 1.4646 | 1.5048 | 2.9500e-003 | 0.0330 | 0.0643 | 0.0973 | 8.9500e-003 | 0.0619 | 0.0708 | 0.0000 | 250.4433 | 250.4433 | 0.0404 | 0.0000 | 251.4523 |
| 2023 | 0.1136 | 5.9200e-003 | 8.7400e-003 | 2.0000e-005 | 2.2000e-004 | 3.2000e-004 | 5.4000e-004 | 6.0000e-005 | 3.2000e-004 | 3.8000e-004 | 0.0000 | 1.3227 | 1.3227 | 7.0000e-005 | 0.0000 | 1.3245 |
| Maximum | 0.5756 | 2.2360 | 1.6258 | 3.4400e-003 | 0.2315 | 0.1016 | 0.3331 | 0.1079 | 0.0960 | 0.2038 | 0.0000 | 298.1494 | 298.1494 | 0.0568 | 0.0000 | 299.5694 |

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

| Quarter | Start Date | End Date | Maximum Unmitigated ROG + NOX (tons/quarter) | Maximum Mitigated ROG + NOX (tons/quarter) |
|---------|------------|------------|--|--|
| 1 | 1-1-2021 | 3-31-2021 | 0.7305 | 0.7305 |
| 2 | 4-1-2021 | 6-30-2021 | 0.6297 | 0.6297 |
| 3 | 7-1-2021 | 9-30-2021 | 0.5580 | 0.5580 |
| 4 | 10-1-2021 | 12-31-2021 | 0.5591 | 0.5591 |
| 5 | 1-1-2022 | 3-31-2022 | 0.5023 | 0.5023 |
| 6 | 4-1-2022 | 6-30-2022 | 0.5074 | 0.5074 |
| 7 | 7-1-2022 | 9-30-2022 | 0.4899 | 0.4899 |
| 8 | 10-1-2022 | 12-31-2022 | 0.5486 | 0.5486 |
| 9 | 1-1-2023 | 3-31-2023 | 0.1138 | 0.1138 |
| | | Highest | 0.7305 | 0.7305 |

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2.2 Overall Operational

Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------------|-----------------|-----------------|---------------|---------------|-------------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 0.3313 | 1.0000e-005 | 6.6000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 1.2900e-003 | 1.2900e-003 | 0.0000 | 0.0000 | 1.3700e-003 |
| Energy | 8.1000e-003 | 0.0737 | 0.0619 | 4.4000e-004 | | 5.6000e-003 | 5.6000e-003 | | 5.6000e-003 | 5.6000e-003 | 0.0000 | 174.8972 | 174.8972 | 9.8900e-003 | 3.2000e-003 | 176.0976 |
| Mobile | 0.1531 | 1.0470 | 1.5265 | 6.3000e-003 | 0.4346 | 4.1000e-003 | 0.4387 | 0.1199 | 3.8300e-003 | 0.1238 | 0.0000 | 581.7520 | 581.7520 | 0.0171 | 0.0000 | 582.1801 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 83.3075 | 0.0000 | 83.3075 | 4.9233 | 0.0000 | 206.3908 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 9.1735 | 24.2982 | 33.4717 | 0.9444 | 0.0227 | 63.8423 |
| Total | 0.4925 | 1.1206 | 1.5891 | 6.7400e-003 | 0.4346 | 9.7000e-003 | 0.4443 | 0.1199 | 9.4300e-003 | 0.1294 | 92.4810 | 780.9486 | 873.4296 | 5.8947 | 0.0259 | 1,028.5120 |

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2.2 Overall Operational

Mitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------------|-----------------|-----------------|---------------|---------------|-------------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 0.3313 | 1.0000e-005 | 6.6000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 1.2900e-003 | 1.2900e-003 | 0.0000 | 0.0000 | 1.3700e-003 |
| Energy | 8.1000e-003 | 0.0737 | 0.0619 | 4.4000e-004 | | 5.6000e-003 | 5.6000e-003 | | 5.6000e-003 | 5.6000e-003 | 0.0000 | 174.8972 | 174.8972 | 9.8900e-003 | 3.2000e-003 | 176.0976 |
| Mobile | 0.1531 | 1.0470 | 1.5265 | 6.3000e-003 | 0.4346 | 4.1000e-003 | 0.4387 | 0.1199 | 3.8300e-003 | 0.1238 | 0.0000 | 581.7520 | 581.7520 | 0.0171 | 0.0000 | 582.1801 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 83.3075 | 0.0000 | 83.3075 | 4.9233 | 0.0000 | 206.3908 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 9.1735 | 24.2982 | 33.4717 | 0.9444 | 0.0227 | 63.8423 |
| Total | 0.4925 | 1.1206 | 1.5891 | 6.7400e-003 | 0.4346 | 9.7000e-003 | 0.4443 | 0.1199 | 9.4300e-003 | 0.1294 | 92.4810 | 780.9486 | 873.4296 | 5.8947 | 0.0259 | 1,028.5120 |

| | ROG | NOx | CO | SO2 | 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

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| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1 | Demolition | Demolition | 1/1/2021 | 3/25/2021 | 5 | 60 | |
| 2 | Site Preparation | Site Preparation | 3/26/2021 | 5/20/2021 | 5 | 40 | |
| 3 | Grading | Grading | 5/21/2021 | 7/1/2021 | 5 | 30 | |
| 4 | Building Construction | Building Construction | 7/2/2021 | 9/22/2022 | 5 | 320 | |
| 5 | Paving | Paving | 9/23/2022 | 11/17/2022 | 5 | 40 | |
| 6 | Architectural Coating | Architectural Coating | 11/18/2022 | 1/12/2023 | 5 | 40 | |

Acres of Grading (Site Preparation Phase): 1

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 108,000; Non-Residential Outdoor: 36,000; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

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| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Demolition | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Demolition | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Demolition | Tractors/Loaders/Backhoes | 3 | 8.00 | 97 | 0.37 |
| Site Preparation | Graders | 1 | 8.00 | 187 | 0.41 |
| Site Preparation | Rubber Tired Dozers | 1 | 7.00 | 247 | 0.40 |
| Site Preparation | Tractors/Loaders/Backhoes | 1 | 8.00 | 97 | 0.37 |
| Grading | Graders | 1 | 6.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 1 | 6.00 | 247 | 0.40 |
| Grading | Tractors/Loaders/Backhoes | 1 | 7.00 | 97 | 0.37 |
| Building Construction | Cranes | 1 | 6.00 | 231 | 0.29 |
| Building Construction | Forklifts | 1 | 6.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 1 | 6.00 | 97 | 0.37 |
| Building Construction | Welders | 3 | 8.00 | 46 | 0.45 |
| Paving | Cement and Mortar Mixers | 1 | 6.00 | 9 | 0.56 |
| Paving | Pavers | 1 | 6.00 | 130 | 0.42 |
| Paving | Paving Equipment | 1 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 1 | 7.00 | 80 | 0.38 |
| Paving | Tractors/Loaders/Backhoes | 1 | 8.00 | 97 | 0.37 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |

Trips and VMT

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| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Demolition | 5 | 13.00 | 0.00 | 219.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 3 | 8.00 | 0.00 | 525.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 3 | 8.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 7 | 30.00 | 12.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 5 | 13.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 6.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.0240 | 0.0000 | 0.0240 | 3.6400e-003 | 0.0000 | 3.6400e-003 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0598 | 0.5909 | 0.4348 | 7.2000e-004 | | 0.0312 | 0.0312 | | 0.0291 | 0.0291 | 0.0000 | 63.2140 | 63.2140 | 0.0162 | 0.0000 | 63.6181 |
| Total | 0.0598 | 0.5909 | 0.4348 | 7.2000e-004 | 0.0240 | 0.0312 | 0.0553 | 3.6400e-003 | 0.0291 | 0.0328 | 0.0000 | 63.2140 | 63.2140 | 0.0162 | 0.0000 | 63.6181 |

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3.2 Demolition - 2021

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 8.2000e-004 | 0.0280 | 4.2400e-003 | 9.0000e-005 | 1.8700e-003 | 9.0000e-005 | 1.9700e-003 | 5.2000e-004 | 9.0000e-005 | 6.0000e-004 | 0.0000 | 8.2194 | 8.2194 | 4.5000e-004 | 0.0000 | 8.2307 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 1.5200e-003 | 9.9000e-004 | 0.0103 | 3.0000e-005 | 3.1200e-003 | 2.0000e-005 | 3.1400e-003 | 8.3000e-004 | 2.0000e-005 | 8.5000e-004 | 0.0000 | 2.7026 | 2.7026 | 7.0000e-005 | 0.0000 | 2.7044 |
| Total | 2.3400e-003 | 0.0290 | 0.0146 | 1.2000e-004 | 4.9900e-003 | 1.1000e-004 | 5.1100e-003 | 1.3500e-003 | 1.1000e-004 | 1.4500e-003 | 0.0000 | 10.9220 | 10.9220 | 5.2000e-004 | 0.0000 | 10.9351 |

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 | | | | | 0.0240 | 0.0000 | 0.0240 | 3.6400e-003 | 0.0000 | 3.6400e-003 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0598 | 0.5909 | 0.4348 | 7.2000e-004 | | 0.0312 | 0.0312 | | 0.0291 | 0.0291 | 0.0000 | 63.2139 | 63.2139 | 0.0162 | 0.0000 | 63.6180 |
| Total | 0.0598 | 0.5909 | 0.4348 | 7.2000e-004 | 0.0240 | 0.0312 | 0.0553 | 3.6400e-003 | 0.0291 | 0.0328 | 0.0000 | 63.2139 | 63.2139 | 0.0162 | 0.0000 | 63.6180 |

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3.2 Demolition - 2021

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 8.2000e-004 | 0.0280 | 4.2400e-003 | 9.0000e-005 | 1.8700e-003 | 9.0000e-005 | 1.9700e-003 | 5.2000e-004 | 9.0000e-005 | 6.0000e-004 | 0.0000 | 8.2194 | 8.2194 | 4.5000e-004 | 0.0000 | 8.2307 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 1.5200e-003 | 9.9000e-004 | 0.0103 | 3.0000e-005 | 3.1200e-003 | 2.0000e-005 | 3.1400e-003 | 8.3000e-004 | 2.0000e-005 | 8.5000e-004 | 0.0000 | 2.7026 | 2.7026 | 7.0000e-005 | 0.0000 | 2.7044 |
| Total | 2.3400e-003 | 0.0290 | 0.0146 | 1.2000e-004 | 4.9900e-003 | 1.1000e-004 | 5.1100e-003 | 1.3500e-003 | 1.1000e-004 | 1.4500e-003 | 0.0000 | 10.9220 | 10.9220 | 5.2000e-004 | 0.0000 | 10.9351 |

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.1062 | 0.0000 | 0.1062 | 0.0580 | 0.0000 | 0.0580 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0311 | 0.3484 | 0.1512 | 3.4000e-004 | | 0.0153 | 0.0153 | | 0.0141 | 0.0141 | 0.0000 | 30.2368 | 30.2368 | 9.7800e-003 | 0.0000 | 30.4813 |
| Total | 0.0311 | 0.3484 | 0.1512 | 3.4000e-004 | 0.1062 | 0.0153 | 0.1215 | 0.0580 | 0.0141 | 0.0721 | 0.0000 | 30.2368 | 30.2368 | 9.7800e-003 | 0.0000 | 30.4813 |

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3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 1.9700e-003 | 0.0672 | 0.0102 | 2.1000e-004 | 4.4900e-003 | 2.2000e-004 | 4.7100e-003 | 1.2300e-003 | 2.1000e-004 | 1.4400e-003 | 0.0000 | 19.7041 | 19.7041 | 1.0800e-003 | 0.0000 | 19.7311 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 6.2000e-004 | 4.1000e-004 | 4.2300e-003 | 1.0000e-005 | 1.2800e-003 | 1.0000e-005 | 1.2900e-003 | 3.4000e-004 | 1.0000e-005 | 3.5000e-004 | 0.0000 | 1.1088 | 1.1088 | 3.0000e-005 | 0.0000 | 1.1095 |
| Total | 2.5900e-003 | 0.0676 | 0.0144 | 2.2000e-004 | 5.7700e-003 | 2.3000e-004 | 6.0000e-003 | 1.5700e-003 | 2.2000e-004 | 1.7900e-003 | 0.0000 | 20.8128 | 20.8128 | 1.1100e-003 | 0.0000 | 20.8406 |

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 | | | | | 0.1062 | 0.0000 | 0.1062 | 0.0580 | 0.0000 | 0.0580 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0311 | 0.3484 | 0.1512 | 3.4000e-004 | | 0.0153 | 0.0153 | | 0.0141 | 0.0141 | 0.0000 | 30.2368 | 30.2368 | 9.7800e-003 | 0.0000 | 30.4812 |
| Total | 0.0311 | 0.3484 | 0.1512 | 3.4000e-004 | 0.1062 | 0.0153 | 0.1215 | 0.0580 | 0.0141 | 0.0721 | 0.0000 | 30.2368 | 30.2368 | 9.7800e-003 | 0.0000 | 30.4812 |

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3.3 Site Preparation - 2021

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 1.9700e-003 | 0.0672 | 0.0102 | 2.1000e-004 | 4.4900e-003 | 2.2000e-004 | 4.7100e-003 | 1.2300e-003 | 2.1000e-004 | 1.4400e-003 | 0.0000 | 19.7041 | 19.7041 | 1.0800e-003 | 0.0000 | 19.7311 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 6.2000e-004 | 4.1000e-004 | 4.2300e-003 | 1.0000e-005 | 1.2800e-003 | 1.0000e-005 | 1.2900e-003 | 3.4000e-004 | 1.0000e-005 | 3.5000e-004 | 0.0000 | 1.1088 | 1.1088 | 3.0000e-005 | 0.0000 | 1.1095 |
| Total | 2.5900e-003 | 0.0676 | 0.0144 | 2.2000e-004 | 5.7700e-003 | 2.3000e-004 | 6.0000e-003 | 1.5700e-003 | 2.2000e-004 | 1.7900e-003 | 0.0000 | 20.8128 | 20.8128 | 1.1100e-003 | 0.0000 | 20.8406 |

3.4 Grading - 2021

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.0685 | 0.0000 | 0.0685 | 0.0373 | 0.0000 | 0.0373 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0193 | 0.2150 | 0.0950 | 2.1000e-004 | | 9.5700e-003 | 9.5700e-003 | | 8.8000e-003 | 8.8000e-003 | 0.0000 | 18.5755 | 18.5755 | 6.0100e-003 | 0.0000 | 18.7257 |
| Total | 0.0193 | 0.2150 | 0.0950 | 2.1000e-004 | 0.0685 | 9.5700e-003 | 0.0781 | 0.0373 | 8.8000e-003 | 0.0461 | 0.0000 | 18.5755 | 18.5755 | 6.0100e-003 | 0.0000 | 18.7257 |

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3.4 Grading - 2021

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 4.7000e-004 | 3.1000e-004 | 3.1700e-003 | 1.0000e-005 | 9.6000e-004 | 1.0000e-005 | 9.7000e-004 | 2.5000e-004 | 1.0000e-005 | 2.6000e-004 | 0.0000 | 0.8316 | 0.8316 | 2.0000e-005 | 0.0000 | 0.8321 |
| Total | 4.7000e-004 | 3.1000e-004 | 3.1700e-003 | 1.0000e-005 | 9.6000e-004 | 1.0000e-005 | 9.7000e-004 | 2.5000e-004 | 1.0000e-005 | 2.6000e-004 | 0.0000 | 0.8316 | 0.8316 | 2.0000e-005 | 0.0000 | 0.8321 |

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 | | | | | 0.0685 | 0.0000 | 0.0685 | 0.0373 | 0.0000 | 0.0373 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0193 | 0.2150 | 0.0950 | 2.1000e-004 | | 9.5700e-003 | 9.5700e-003 | | 8.8000e-003 | 8.8000e-003 | 0.0000 | 18.5755 | 18.5755 | 6.0100e-003 | 0.0000 | 18.7257 |
| Total | 0.0193 | 0.2150 | 0.0950 | 2.1000e-004 | 0.0685 | 9.5700e-003 | 0.0781 | 0.0373 | 8.8000e-003 | 0.0461 | 0.0000 | 18.5755 | 18.5755 | 6.0100e-003 | 0.0000 | 18.7257 |

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3.4 Grading - 2021

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 4.7000e-004 | 3.1000e-004 | 3.1700e-003 | 1.0000e-005 | 9.6000e-004 | 1.0000e-005 | 9.7000e-004 | 2.5000e-004 | 1.0000e-005 | 2.6000e-004 | 0.0000 | 0.8316 | 0.8316 | 2.0000e-005 | 0.0000 | 0.8321 |
| Total | 4.7000e-004 | 3.1000e-004 | 3.1700e-003 | 1.0000e-005 | 9.6000e-004 | 1.0000e-005 | 9.7000e-004 | 2.5000e-004 | 1.0000e-005 | 2.6000e-004 | 0.0000 | 0.8316 | 0.8316 | 2.0000e-005 | 0.0000 | 0.8321 |

3.5 Building Construction - 2021

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.1187 | 0.8932 | 0.8449 | 1.4400e-003 | | 0.0448 | 0.0448 | | 0.0433 | 0.0433 | 0.0000 | 118.9137 | 118.9137 | 0.0212 | 0.0000 | 119.4444 |
| Total | 0.1187 | 0.8932 | 0.8449 | 1.4400e-003 | | 0.0448 | 0.0448 | | 0.0433 | 0.0433 | 0.0000 | 118.9137 | 118.9137 | 0.0212 | 0.0000 | 119.4444 |

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3.5 Building Construction - 2021

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 2.5300e-003 | 0.0867 | 0.0158 | 2.2000e-004 | 5.2100e-003 | 2.4000e-004 | 5.4500e-003 | 1.5100e-003 | 2.3000e-004 | 1.7400e-003 | 0.0000 | 21.0264 | 21.0264 | 1.6100e-003 | 0.0000 | 21.0665 |
| Worker | 7.6500e-003 | 5.0100e-003 | 0.0520 | 1.5000e-004 | 0.0157 | 1.1000e-004 | 0.0158 | 4.1800e-003 | 1.0000e-004 | 4.2800e-003 | 0.0000 | 13.6169 | 13.6169 | 3.6000e-004 | 0.0000 | 13.6259 |
| Total | 0.0102 | 0.0917 | 0.0678 | 3.7000e-004 | 0.0209 | 3.5000e-004 | 0.0213 | 5.6900e-003 | 3.3000e-004 | 6.0200e-003 | 0.0000 | 34.6433 | 34.6433 | 1.9700e-003 | 0.0000 | 34.6924 |

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 | 0.1187 | 0.8932 | 0.8449 | 1.4400e-003 | | 0.0448 | 0.0448 | | 0.0433 | 0.0433 | 0.0000 | 118.9136 | 118.9136 | 0.0212 | 0.0000 | 119.4443 |
| Total | 0.1187 | 0.8932 | 0.8449 | 1.4400e-003 | | 0.0448 | 0.0448 | | 0.0433 | 0.0433 | 0.0000 | 118.9136 | 118.9136 | 0.0212 | 0.0000 | 119.4443 |

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3.5 Building Construction - 2021

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 2.5300e-003 | 0.0867 | 0.0158 | 2.2000e-004 | 5.2100e-003 | 2.4000e-004 | 5.4500e-003 | 1.5100e-003 | 2.3000e-004 | 1.7400e-003 | 0.0000 | 21.0264 | 21.0264 | 1.6100e-003 | 0.0000 | 21.0665 |
| Worker | 7.6500e-003 | 5.0100e-003 | 0.0520 | 1.5000e-004 | 0.0157 | 1.1000e-004 | 0.0158 | 4.1800e-003 | 1.0000e-004 | 4.2800e-003 | 0.0000 | 13.6169 | 13.6169 | 3.6000e-004 | 0.0000 | 13.6259 |
| Total | 0.0102 | 0.0917 | 0.0678 | 3.7000e-004 | 0.0209 | 3.5000e-004 | 0.0213 | 5.6900e-003 | 3.3000e-004 | 6.0200e-003 | 0.0000 | 34.6433 | 34.6433 | 1.9700e-003 | 0.0000 | 34.6924 |

3.5 Building Construction - 2022

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.1558 | 1.1815 | 1.2027 | 2.0800e-003 | | 0.0557 | 0.0557 | | 0.0538 | 0.0538 | 0.0000 | 171.5902 | 171.5902 | 0.0299 | 0.0000 | 172.3373 |
| Total | 0.1558 | 1.1815 | 1.2027 | 2.0800e-003 | | 0.0557 | 0.0557 | | 0.0538 | 0.0538 | 0.0000 | 171.5902 | 171.5902 | 0.0299 | 0.0000 | 172.3373 |

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3.5 Building Construction - 2022

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 3.4000e-003 | 0.1185 | 0.0210 | 3.2000e-004 | 7.5200e-003 | 3.0000e-004 | 7.8200e-003 | 2.1700e-003 | 2.9000e-004 | 2.4600e-003 | 0.0000 | 30.0541 | 30.0541 | 2.2300e-003 | 0.0000 | 30.1099 |
| Worker | 0.0102 | 6.4600e-003 | 0.0683 | 2.1000e-004 | 0.0227 | 1.5000e-004 | 0.0228 | 6.0200e-003 | 1.4000e-004 | 6.1600e-003 | 0.0000 | 18.9437 | 18.9437 | 4.6000e-004 | 0.0000 | 18.9553 |
| Total | 0.0136 | 0.1249 | 0.0894 | 5.3000e-004 | 0.0302 | 4.5000e-004 | 0.0306 | 8.1900e-003 | 4.3000e-004 | 8.6200e-003 | 0.0000 | 48.9978 | 48.9978 | 2.6900e-003 | 0.0000 | 49.0652 |

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 | 0.1558 | 1.1815 | 1.2027 | 2.0800e-003 | | 0.0557 | 0.0557 | | 0.0538 | 0.0538 | 0.0000 | 171.5900 | 171.5900 | 0.0299 | 0.0000 | 172.3371 |
| Total | 0.1558 | 1.1815 | 1.2027 | 2.0800e-003 | | 0.0557 | 0.0557 | | 0.0538 | 0.0538 | 0.0000 | 171.5900 | 171.5900 | 0.0299 | 0.0000 | 172.3371 |

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3.5 Building Construction - 2022**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 3.4000e-003 | 0.1185 | 0.0210 | 3.2000e-004 | 7.5200e-003 | 3.0000e-004 | 7.8200e-003 | 2.1700e-003 | 2.9000e-004 | 2.4600e-003 | 0.0000 | 30.0541 | 30.0541 | 2.2300e-003 | 0.0000 | 30.1099 |
| Worker | 0.0102 | 6.4600e-003 | 0.0683 | 2.1000e-004 | 0.0227 | 1.5000e-004 | 0.0228 | 6.0200e-003 | 1.4000e-004 | 6.1600e-003 | 0.0000 | 18.9437 | 18.9437 | 4.6000e-004 | 0.0000 | 18.9553 |
| Total | 0.0136 | 0.1249 | 0.0894 | 5.3000e-004 | 0.0302 | 4.5000e-004 | 0.0306 | 8.1900e-003 | 4.3000e-004 | 8.6200e-003 | 0.0000 | 48.9978 | 48.9978 | 2.6900e-003 | 0.0000 | 49.0652 |

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

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0138 | 0.1355 | 0.1761 | 2.7000e-004 | | 6.9500e-003 | 6.9500e-003 | | 6.4100e-003 | 6.4100e-003 | 0.0000 | 23.5393 | 23.5393 | 7.4600e-003 | 0.0000 | 23.7258 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.0138 | 0.1355 | 0.1761 | 2.7000e-004 | | 6.9500e-003 | 6.9500e-003 | | 6.4100e-003 | 6.4100e-003 | 0.0000 | 23.5393 | 23.5393 | 7.4600e-003 | 0.0000 | 23.7258 |

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3.6 Paving - 2022

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 9.4000e-004 | 5.9000e-004 | 6.2700e-003 | 2.0000e-005 | 2.0800e-003 | 1.0000e-005 | 2.0900e-003 | 5.5000e-004 | 1.0000e-005 | 5.7000e-004 | 0.0000 | 1.7373 | 1.7373 | 4.0000e-005 | 0.0000 | 1.7384 |
| Total | 9.4000e-004 | 5.9000e-004 | 6.2700e-003 | 2.0000e-005 | 2.0800e-003 | 1.0000e-005 | 2.0900e-003 | 5.5000e-004 | 1.0000e-005 | 5.7000e-004 | 0.0000 | 1.7373 | 1.7373 | 4.0000e-005 | 0.0000 | 1.7384 |

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 | 0.0138 | 0.1355 | 0.1761 | 2.7000e-004 | | 6.9500e-003 | 6.9500e-003 | | 6.4100e-003 | 6.4100e-003 | 0.0000 | 23.5392 | 23.5392 | 7.4600e-003 | 0.0000 | 23.7258 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.0138 | 0.1355 | 0.1761 | 2.7000e-004 | | 6.9500e-003 | 6.9500e-003 | | 6.4100e-003 | 6.4100e-003 | 0.0000 | 23.5392 | 23.5392 | 7.4600e-003 | 0.0000 | 23.7258 |

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3.6 Paving - 2022

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 9.4000e-004 | 5.9000e-004 | 6.2700e-003 | 2.0000e-005 | 2.0800e-003 | 1.0000e-005 | 2.0900e-003 | 5.5000e-004 | 1.0000e-005 | 5.7000e-004 | 0.0000 | 1.7373 | 1.7373 | 4.0000e-005 | 0.0000 | 1.7384 |
| Total | 9.4000e-004 | 5.9000e-004 | 6.2700e-003 | 2.0000e-005 | 2.0800e-003 | 1.0000e-005 | 2.0900e-003 | 5.5000e-004 | 1.0000e-005 | 5.7000e-004 | 0.0000 | 1.7373 | 1.7373 | 4.0000e-005 | 0.0000 | 1.7384 |

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 0.3880 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 3.1700e-003 | 0.0218 | 0.0281 | 5.0000e-005 | | 1.2700e-003 | 1.2700e-003 | | 1.2700e-003 | 1.2700e-003 | 0.0000 | 3.9575 | 3.9575 | 2.6000e-004 | 0.0000 | 3.9640 |
| Total | 0.3911 | 0.0218 | 0.0281 | 5.0000e-005 | | 1.2700e-003 | 1.2700e-003 | | 1.2700e-003 | 1.2700e-003 | 0.0000 | 3.9575 | 3.9575 | 2.6000e-004 | 0.0000 | 3.9640 |

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3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 3.4000e-004 | 2.1000e-004 | 2.2400e-003 | 1.0000e-005 | 7.4000e-004 | 0.0000 | 7.5000e-004 | 2.0000e-004 | 0.0000 | 2.0000e-004 | 0.0000 | 0.6214 | 0.6214 | 2.0000e-005 | 0.0000 | 0.6218 |
| Total | 3.4000e-004 | 2.1000e-004 | 2.2400e-003 | 1.0000e-005 | 7.4000e-004 | 0.0000 | 7.5000e-004 | 2.0000e-004 | 0.0000 | 2.0000e-004 | 0.0000 | 0.6214 | 0.6214 | 2.0000e-005 | 0.0000 | 0.6218 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 0.3880 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 3.1700e-003 | 0.0218 | 0.0281 | 5.0000e-005 | | 1.2700e-003 | 1.2700e-003 | | 1.2700e-003 | 1.2700e-003 | 0.0000 | 3.9575 | 3.9575 | 2.6000e-004 | 0.0000 | 3.9640 |
| Total | 0.3911 | 0.0218 | 0.0281 | 5.0000e-005 | | 1.2700e-003 | 1.2700e-003 | | 1.2700e-003 | 1.2700e-003 | 0.0000 | 3.9575 | 3.9575 | 2.6000e-004 | 0.0000 | 3.9640 |

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3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 3.4000e-004 | 2.1000e-004 | 2.2400e-003 | 1.0000e-005 | 7.4000e-004 | 0.0000 | 7.5000e-004 | 2.0000e-004 | 0.0000 | 2.0000e-004 | 0.0000 | 0.6214 | 0.6214 | 2.0000e-005 | 0.0000 | 0.6218 |
| Total | 3.4000e-004 | 2.1000e-004 | 2.2400e-003 | 1.0000e-005 | 7.4000e-004 | 0.0000 | 7.5000e-004 | 2.0000e-004 | 0.0000 | 2.0000e-004 | 0.0000 | 0.6214 | 0.6214 | 2.0000e-005 | 0.0000 | 0.6218 |

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|---------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 0.1126 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 8.6000e-004 | 5.8600e-003 | 8.1500e-003 | 1.0000e-005 | | 3.2000e-004 | 3.2000e-004 | | 3.2000e-004 | 3.2000e-004 | 0.0000 | 1.1490 | 1.1490 | 7.0000e-005 | 0.0000 | 1.1507 |
| Total | 0.1135 | 5.8600e-003 | 8.1500e-003 | 1.0000e-005 | | 3.2000e-004 | 3.2000e-004 | | 3.2000e-004 | 3.2000e-004 | 0.0000 | 1.1490 | 1.1490 | 7.0000e-005 | 0.0000 | 1.1507 |

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3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 9.0000e-005 | 6.0000e-005 | 5.9000e-004 | 0.0000 | 2.2000e-004 | 0.0000 | 2.2000e-004 | 6.0000e-005 | 0.0000 | 6.0000e-005 | 0.0000 | 0.1737 | 0.1737 | 0.0000 | 0.0000 | 0.1738 |
| Total | 9.0000e-005 | 6.0000e-005 | 5.9000e-004 | 0.0000 | 2.2000e-004 | 0.0000 | 2.2000e-004 | 6.0000e-005 | 0.0000 | 6.0000e-005 | 0.0000 | 0.1737 | 0.1737 | 0.0000 | 0.0000 | 0.1738 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|---------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 0.1126 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 8.6000e-004 | 5.8600e-003 | 8.1500e-003 | 1.0000e-005 | | 3.2000e-004 | 3.2000e-004 | | 3.2000e-004 | 3.2000e-004 | 0.0000 | 1.1490 | 1.1490 | 7.0000e-005 | 0.0000 | 1.1507 |
| Total | 0.1135 | 5.8600e-003 | 8.1500e-003 | 1.0000e-005 | | 3.2000e-004 | 3.2000e-004 | | 3.2000e-004 | 3.2000e-004 | 0.0000 | 1.1490 | 1.1490 | 7.0000e-005 | 0.0000 | 1.1507 |

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3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 9.0000e-005 | 6.0000e-005 | 5.9000e-004 | 0.0000 | 2.2000e-004 | 0.0000 | 2.2000e-004 | 6.0000e-005 | 0.0000 | 6.0000e-005 | 0.0000 | 0.1737 | 0.1737 | 0.0000 | 0.0000 | 0.1738 |
| Total | 9.0000e-005 | 6.0000e-005 | 5.9000e-004 | 0.0000 | 2.2000e-004 | 0.0000 | 2.2000e-004 | 6.0000e-005 | 0.0000 | 6.0000e-005 | 0.0000 | 0.1737 | 0.1737 | 0.0000 | 0.0000 | 0.1738 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|---------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|----------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 0.1531 | 1.0470 | 1.5265 | 6.3000e-003 | 0.4346 | 4.1000e-003 | 0.4387 | 0.1199 | 3.8300e-003 | 0.1238 | 0.0000 | 581.7520 | 581.7520 | 0.0171 | 0.0000 | 582.1801 |
| Unmitigated | 0.1531 | 1.0470 | 1.5265 | 6.3000e-003 | 0.4346 | 4.1000e-003 | 0.4387 | 0.1199 | 3.8300e-003 | 0.1238 | 0.0000 | 581.7520 | 581.7520 | 0.0171 | 0.0000 | 582.1801 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|----------------------------|-------------------------|----------|--------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Movie Theater (No Matinee) | 581.04 | 581.04 | 581.04 | 1,094,097 | 1,094,097 |
| Total | 581.04 | 581.04 | 581.04 | 1,094,097 | 1,094,097 |

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 |
| Movie Theater (No Matinee) | 9.50 | 7.30 | 7.30 | 1.80 | 79.20 | 19.00 | 66 | 17 | 17 |

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Movie Theater (No Matinee) | 0.626736 | 0.031316 | 0.171418 | 0.114437 | 0.017015 | 0.007000 | 0.160000 | 0.006000 | 0.001792 | 0.001507 | 0.005146 | 0.000939 | 0.000694 |

5.0 Energy Detail

Historical Energy Use: N

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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 | 94.7106 | 94.7106 | 8.3500e-003 | 1.7300e-003 | 95.4345 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 94.7106 | 94.7106 | 8.3500e-003 | 1.7300e-003 | 95.4345 |
| NaturalGas Mitigated | 8.1000e-003 | 0.0737 | 0.0619 | 4.4000e-004 | | 5.6000e-003 | 5.6000e-003 | | 5.6000e-003 | 5.6000e-003 | 0.0000 | 80.1866 | 80.1866 | 1.5400e-003 | 1.4700e-003 | 80.6631 |
| NaturalGas Unmitigated | 8.1000e-003 | 0.0737 | 0.0619 | 4.4000e-004 | | 5.6000e-003 | 5.6000e-003 | | 5.6000e-003 | 5.6000e-003 | 0.0000 | 80.1866 | 80.1866 | 1.5400e-003 | 1.4700e-003 | 80.6631 |

5.2 Energy by Land Use - NaturalGas

Unmitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|----------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|--------------------|----------------|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Movie Theater (No Matinee) | 1.50264e+006 | 8.1000e-003 | 0.0737 | 0.0619 | 4.4000e-004 | | 5.6000e-003 | 5.6000e-003 | | 5.6000e-003 | 5.6000e-003 | 0.0000 | 80.1866 | 80.1866 | 1.5400e-003 | 1.4700e-003 | 80.6631 |
| Total | | 8.1000e-003 | 0.0737 | 0.0619 | 4.4000e-004 | | 5.6000e-003 | 5.6000e-003 | | 5.6000e-003 | 5.6000e-003 | 0.0000 | 80.1866 | 80.1866 | 1.5400e-003 | 1.4700e-003 | 80.6631 |

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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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Movie Theater (No Matinee) | 1.50264e+006 | 8.1000e-003 | 0.0737 | 0.0619 | 4.4000e-004 | | 5.6000e-003 | 5.6000e-003 | | 5.6000e-003 | 5.6000e-003 | 0.0000 | 80.1866 | 80.1866 | 1.5400e-003 | 1.4700e-003 | 80.6631 |
| Total | | 8.1000e-003 | 0.0737 | 0.0619 | 4.4000e-004 | | 5.6000e-003 | 5.6000e-003 | | 5.6000e-003 | 5.6000e-003 | 0.0000 | 80.1866 | 80.1866 | 1.5400e-003 | 1.4700e-003 | 80.6631 |

5.3 Energy by Land Use - Electricity

Unmitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|-----------------|----------------|--------------------|--------------------|----------------|
| Land Use | kWh/yr | MT/yr | | | |
| Movie Theater (No Matinee) | 635040 | 94.7106 | 8.3500e-003 | 1.7300e-003 | 95.4345 |
| Total | | 94.7106 | 8.3500e-003 | 1.7300e-003 | 95.4345 |

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5.3 Energy by Land Use - Electricity

Mitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|-----------------|----------------|--------------------|--------------------|----------------|
| Land Use | kWh/yr | MT/yr | | | |
| Movie Theater (No Matinee) | 635040 | 94.7106 | 8.3500e-003 | 1.7300e-003 | 95.4345 |
| Total | | 94.7106 | 8.3500e-003 | 1.7300e-003 | 95.4345 |

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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 0.3313 | 1.0000e-005 | 6.6000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 1.2900e-003 | 1.2900e-003 | 0.0000 | 0.0000 | 1.3700e-003 |
| Unmitigated | 0.3313 | 1.0000e-005 | 6.6000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 1.2900e-003 | 1.2900e-003 | 0.0000 | 0.0000 | 1.3700e-003 |

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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 | 0.0501 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.2812 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 6.0000e-005 | 1.0000e-005 | 6.6000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 1.2900e-003 | 1.2900e-003 | 0.0000 | 0.0000 | 1.3700e-003 |
| Total | 0.3313 | 1.0000e-005 | 6.6000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 1.2900e-003 | 1.2900e-003 | 0.0000 | 0.0000 | 1.3700e-003 |

Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|--------------------|--------------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|
| SubCategory | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Architectural Coating | 0.0501 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.2812 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 6.0000e-005 | 1.0000e-005 | 6.6000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 1.2900e-003 | 1.2900e-003 | 0.0000 | 0.0000 | 1.3700e-003 |
| Total | 0.3313 | 1.0000e-005 | 6.6000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 1.2900e-003 | 1.2900e-003 | 0.0000 | 0.0000 | 1.3700e-003 |

7.0 Water Detail

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7.1 Mitigation Measures Water

| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|--------|---------|
| Category | MT/yr | | | |
| Mitigated | 33.4717 | 0.9444 | 0.0227 | 63.8423 |
| Unmitigated | 33.4717 | 0.9444 | 0.0227 | 63.8423 |

7.2 Water by Land Use

Unmitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|--------------------|----------------|---------------|---------------|----------------|
| Land Use | Mgal | MT/yr | | | |
| Movie Theater (No Matinee) | 28.9153 / 1.84566 | 33.4717 | 0.9444 | 0.0227 | 63.8423 |
| Total | | 33.4717 | 0.9444 | 0.0227 | 63.8423 |

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7.2 Water by Land Use

Mitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|--------------------|----------------|---------------|---------------|----------------|
| Land Use | Mgal | MT/yr | | | |
| Movie Theater (No Matinee) | 28.9153 / 1.84566 | 33.4717 | 0.9444 | 0.0227 | 63.8423 |
| Total | | 33.4717 | 0.9444 | 0.0227 | 63.8423 |

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|--------|----------|
| | MT/yr | | | |
| Mitigated | 83.3075 | 4.9233 | 0.0000 | 206.3908 |
| Unmitigated | 83.3075 | 4.9233 | 0.0000 | 206.3908 |

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8.2 Waste by Land Use

Unmitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|----------------|----------------|---------------|---------------|-----------------|
| Land Use | tons | MT/yr | | | |
| Movie Theater (No Matinee) | 410.4 | 83.3075 | 4.9233 | 0.0000 | 206.3908 |
| Total | | 83.3075 | 4.9233 | 0.0000 | 206.3908 |

Mitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|----------------|----------------|---------------|---------------|-----------------|
| Land Use | tons | MT/yr | | | |
| Movie Theater (No Matinee) | 410.4 | 83.3075 | 4.9233 | 0.0000 | 206.3908 |
| Total | | 83.3075 | 4.9233 | 0.0000 | 206.3908 |

9.0 Operational Offroad

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

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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation
