

Appendix C – Air Quality and Greenhouse Gas Emissions Modeling Assumptions and Results

Proposed Project Construction Emissions Summary

| Annual Construction Emissions | | | | | | | | | | | |
|-------------------------------|-------------|-------------|-------------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|---------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | CO2e |
| Year | tons/year | | | | | | | | | | |
| 2021 | 0.7727 | 1.9251 | 1.816 | 4.91E-03 | 0.3717 | 0.0639 | 0.4356 | 0.0698 | 0.0594 | 0.1292 | 446.6947 |
| 2022 | 0.1 | 1.1262 | 0.9177 | 2.78E-03 | 0.3535 | 0.0372 | 0.3907 | 0.087 | 0.0346 | 0.1216 | 254.3909 |
| Total Emissions (tons) | 0.87 | 3.05 | 2.73 | 0.01 | 0.73 | 0.10 | 0.83 | 0.16 | 0.09 | 0.25 | 701.09 |

Notes: ROG = reactive organic gases; NOx = nitrogen oxides; CO = carbon monoxide; SO2 = sulfur dioxide; PM10 = particulate matter equal or less than 10 micrometers in diameter; PM2.5 = particulate matter equal or less than 2.5 micrometers in diameter

| Average Daily Construction Emissions | | | | | | | | | | | |
|---|------|-------|-------|------|---------------|--------------|------------|----------------|---------------|-------------|--|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | |
| Total Emissions (tons) | 0.87 | 3.05 | 2.73 | 0.01 | 0.73 | 0.10 | 0.83 | 0.16 | 0.09 | 0.25 | |
| Average Daily Emissions (pounds/day) ¹ | 6.93 | 24.22 | 21.70 | 0.06 | 5.76 | 0.80 | 6.56 | 1.24 | 0.75 | 1.99 | |
| Threshold ² | 54 | 54 | | | | 82 | | | 54 | | |
| Exceed Threshold? | No | No | | | | No | | | No | | |

Notes:
¹ Average daily emissions are calculated based on 21 working days per month over a 12-month construction period.
² Thresholds from Table 2-1 of the BAAQMD CEQA Air Quality Guidelines (BAAQMD 2017)
 ROG = reactive organic gases; NOx = nitrogen oxides; CO = carbon monoxide; SO2 = sulfur dioxide; PM10 = particulate matter equal or less than 10 micrometers in diameter; PM2.5 = particulate matter equal or less than 2.5 micrometers in diameter

| | |
|------------------------------|------|
| Total Months of Construction | 12 |
| Working Days/Month | 21 |
| Total Days of Construction | 252 |
| lb/ton | 2000 |

| Unit Conversions | |
|------------------|--------|
| tons | pounds |
| 1 | 2000 |

| Construction-Related Greenhouse Gas Emissions | |
|---|---------------|
| Year | MT CO2e |
| 2021 | 446.69 |
| 2022 | 254.39 |
| Total GHG Emissions | 701.09 |
| Amortized GHG Emissions¹ | 23.37 |

Notes:
¹ Amortized construction GHG emissions calculated assuming 30-year project lifetime.
 CO2e = carbon dioxide equivalents; MT = metric tons

| Summary of Project Energy Requirements | | | |
|---|--------------------|---------|-----------------------------------|
| Phase | Energy Requirement | Unit | Annual Energy Consumption (MMBtu) |
| Demolition Activities by Fuel | | | |
| Diesel | 62,469 | Gallons | 8,627 |
| Gasoline | 7,472 | Gallons | 934 |
| Total Demolition Activities Energy Requirements | | | 9,561 |

Notes:

Totals do not add due to rounding.

Source: Modeled by AECOM in 2020

| Conversion Factors | | |
|------------------------------------|--------|----------------|
| Category | Amount | Units |
| kWh per Btu | 3,412 | Btu/kWh |
| Diesel (heat content) ¹ | 5.8 | MMBtu/barrel |
| Motor Gasoline ² | 5.25 | MMBtu/barrel |
| Natural Gas ³ | 0.1 | MMBtu/therm |
| Propane ⁴ | 0.0913 | MMBtu/gallon |
| Kerosene ⁵ | 0.135 | MMBtu/gallon |
| Wood ⁶ | 20 | MMBtu/cord |
| Gallons per Barrel | 42 | gallons/barrel |

| Sources: | |
|----------|---|
| 1 | https://www.theclimateregistry.org/wp-content/uploads/2018/06/The-Climate-Registry-2018-Default-Emission-Factor-Document.pdf |
| 2 | https://www.theclimateregistry.org/wp-content/uploads/2018/06/The-Climate-Registry-2018-Default-Emission-Factor-Document.pdf |
| 3 | https://www.epa.gov/energy/greenhouse-gases-equivalencies-calculator-calculations-and-references |
| 4 | https://www.eia.gov/environment/emissions/co2_vol_mass.php |
| 5 | https://www.eia.gov/environment/emissions/co2_vol_mass.php |
| 6 | https://www.eia.gov/energyexplained/index.cfm?page=about_btu |

| Former City Hall Demolition: Fuel Consumption | | | | |
|--|-----------------------------------|-----------|--|---------|
| Source | MT CO ₂ e ^a | Fuel Type | Factor (MT CO ₂ /gallon) ^b | Gallons |
| Offroad Equip | 385 | Diesel | 1.02E-02 | 37,905 |
| Hauling | 199 | Diesel | 1.02E-02 | 19,602 |
| Vendor | 50 | Diesel | 1.02E-02 | 4,962 |
| Worker | 66 | Gas | 8.89E-03 | 7,472 |
| Total Gallons | | | Diesel | 62,469 |
| | | | Gasoline | 7,472 |
| Notes: | | | | |
| Sources: | | | | |
| ^a Modeled by AECOM in 2020; | | | | |
| ^b U.S. Energy Information Administration 2016 (https://www.eia.gov/environment/emissions/co2_vol_mass.php) | | | | |

| Factor | MT/gallon |
|----------|-----------|
| Diesel | 1.02E-02 |
| Gasoline | 8.89E-03 |

| Demolition Activities by Phase | Year | Source | MT CO ₂ e |
|--------------------------------|------|---------|----------------------|
| Hazardous Materials Abatement | 2021 | Offroad | 50.6857 |
| | | Hauling | 0 |
| | | Vendor | 35.2405 |
| | | Worker | 29.7583 |
| Site Control and Preparation | 2021 | Offroad | 73.3053 |
| | | Hauling | 0 |
| | | Vendor | 15.1697 |
| | | Worker | 17.0798 |
| Demolition and Debris Removal | 2021 | Offroad | 117.9682 |
| | | Hauling | 98.619 |
| | | Vendor | 0 |
| | | Worker | 8.8684 |
| Demolition and Debris Removal | 2022 | Offroad | 107.5042 |
| | | Hauling | 88.6406 |
| | | Vendor | 0 |
| | | Worker | 7.7863 |
| Site Rehabilitation | 2022 | Offroad | 35.6486 |
| | | Hauling | 11.8995 |
| | | Vendor | 0 |
| | | Worker | 2.9119 |

Alternative 1

| Annual Construction Emissions - Alternative 1 | | | | | | | | | | | |
|---|-----------|--------|--------|----------|---------------|--------------|------------|----------------|---------------|-------------|----------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | CO2e |
| Year | tons/year | | | | | | | | | | |
| 2021 | 1.018 | 1.454 | 1.5617 | 3.65E-03 | 0.0945 | 0.0576 | 0.1521 | 0.0254 | 0.0551 | 0.0806 | 320.4097 |
| 2022 | 0.4599 | 0.8392 | 0.9265 | 2.04E-03 | 0.0444 | 0.037 | 0.0814 | 0.0119 | 0.0361 | 0.048 | 173.503 |
| Total Emissions | 1.48 | 2.29 | 2.49 | 0.01 | 0.14 | 0.09 | 0.23 | 0.04 | 0.09 | 0.13 | 493.91 |

Notes: ROG = reactive organic gases; NOx = nitrogen oxides; CO = carbon monoxide; SO2 = sulfur dioxide; PM10 = particulate matter equal or less than 10 micrometers in diameter; PM2.5 = particulate matter equal or less than 2.5 micrometers in diameter

| Average Daily Construction Emissions - Alternative 1 | | | | | | | | | | | |
|--|-------|-------|-------|------|---------------|--------------|------------|----------------|---------------|-------------|--|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | |
| Total Emissions (tons) | 1.48 | 2.29 | 2.49 | 0.01 | 0.14 | 0.09 | 0.23 | 0.04 | 0.09 | 0.13 | |
| Average Daily Emissions (pounds/day) ¹ | 11.73 | 18.20 | 19.75 | 0.05 | 1.10 | 0.75 | 1.85 | 0.30 | 0.72 | 1.02 | |
| Threshold ² | 54 | 54 | | | | 82 | | | 54 | | |
| Exceed Threshold? | No | No | | | | No | | | No | | |

Notes:
¹ Average daily emissions are calculated based on 21 working days per month over a 12-month construction period.
² Thresholds from Table 2-1 of the BAAQMD CEQA Air Quality Guidelines (BAAQMD 2017)
 ROG = reactive organic gases; NOx = nitrogen oxides; CO = carbon monoxide; SO2 = sulfur dioxide; PM10 = particulate matter equal or less than 10 micrometers in diameter; PM2.5 = particulate matter equal or less than 2.5 micrometers in diameter

| | |
|------------------------------|------|
| Total Months of Construction | 12 |
| Working Days/Month | 21 |
| Total Days of Construction | 252 |
| lb/ton | 2000 |

| Unit Conversions | |
|------------------|--------|
| tons | pounds |
| 1 | 2000 |

| Construction-Related Greenhouse Gas Emissions | |
|---|---------|
| Year | MT CO2e |
| 2021 | 320.41 |
| 2022 | 173.50 |
| Total GHG Emissions | 493.91 |
| Amortized GHG Emissions ¹ | 16.46 |

Notes:
¹ Amortized construction GHG emissions calculated assuming 30-year project lifetime.
 CO2e = carbon dioxide equivalents; MT = metric tons

| Operational Emissions - Alternative 1 | | | | | | | | | | | |
|---|------|------|-------|------|---------------|--------------|------------|----------------|---------------|-------------|--|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | |
| Total Emissions (tons) | 0.69 | 0.79 | 1.92 | 0.01 | 0.55 | 0.01 | 0.56 | 0.15 | 0.01 | 0.16 | |
| Threshold | 10 | 10 | | | | | 15 | | | 10 | |
| Average Daily Emissions (pounds/day) ¹ | 3.77 | 4.32 | 10.50 | 0.04 | 3.03 | 0.07 | 3.09 | 0.81 | 0.06 | 0.88 | |
| Threshold ² | 54 | 54 | | | | | 82 | | | 54 | |
| Exceed Threshold? | No | No | | | | | No | | | No | |

Notes:

| | |
|-----------|------|
| Days/Year | 365 |
| lb/ton | 2000 |

| Operational Greenhouse Gas Emissions | |
|--------------------------------------|---------|
| Source | MT CO2e |
| Area | 0 |
| Energy | 292 |
| Mobile | 558 |
| Waste | 53 |
| Water | 42 |
| Total Annual GHG Emissions | 945 |
| GHG Emissions Per Service Population | 2.5 |

Alternative 2

| Annual Construction Emissions - Alternative 2 | | | | | | | | | | | |
|---|-----------|--------|--------|----------|---------------|--------------|------------|----------------|---------------|-------------|----------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | CO2e |
| Year | tons/year | | | | | | | | | | |
| 2021 | 0.9607 | 1.3336 | 1.438 | 3.29E-03 | 0.0841 | 0.0532 | 0.1373 | 0.0226 | 0.0506 | 0.0732 | 290.1797 |
| 2022 | 1.1404 | 2.6463 | 2.8884 | 6.31E-03 | 0.1332 | 0.1167 | 0.2499 | 0.0357 | 0.1135 | 0.1492 | 539.8301 |
| Total Emissions | 2.10 | 3.98 | 4.33 | 0.01 | 0.22 | 0.17 | 0.39 | 0.06 | 0.16 | 0.22 | 830.01 |

Notes: ROG = reactive organic gases; NOx = nitrogen oxides; CO = carbon monoxide; SO2 = sulfur dioxide; PM10 = particulate matter equal or less than 10 micrometers in diameter; PM2.5 = particulate matter equal or less than 2.5 micrometers in diameter

| Average Daily Construction Emissions - Alternative 2 | | | | | | | | | | | |
|--|-------|-------|-------|------|---------------|--------------|------------|----------------|---------------|-------------|--|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | |
| Total Emissions (tons) | 2.10 | 3.98 | 4.33 | 0.01 | 0.22 | 0.17 | 0.39 | 0.06 | 0.16 | 0.22 | |
| Average Daily Emissions (pounds/day) ¹ | 11.12 | 21.06 | 22.89 | 0.05 | 1.15 | 0.90 | 2.05 | 0.31 | 0.87 | 1.18 | |
| Threshold ² | 54 | 54 | | | | 82 | | | 54 | | |
| Exceed Threshold? | No | No | | | | No | | | No | | |

Notes:
¹ Average daily emissions are calculated based on 21 working days per month over a 18-month construction period.
² Thresholds from Table 2-1 of the BAAQMD CEQA Air Quality Guidelines (BAAQMD 2017)
 ROG = reactive organic gases; NOx = nitrogen oxides; CO = carbon monoxide; SO2 = sulfur dioxide; PM10 = particulate matter equal or less than 10 micrometers in diameter; PM2.5 = particulate matter equal or less than 2.5 micrometers in diameter

| | |
|------------------------------|------|
| Total Months of Construction | 18 |
| Working Days/Month | 21 |
| Total Days of Construction | 378 |
| lb/ton | 2000 |

| Unit Conversions | |
|------------------|--------|
| tons | pounds |
| 1 | 2000 |

| Construction-Related Greenhouse Gas Emissions | |
|---|---------|
| Year | MT CO2e |
| 2021 | 290.18 |
| 2022 | 539.83 |
| Total GHG Emissions | 830.01 |
| Amortized GHG Emissions ¹ | 27.67 |

Notes:
¹ Amortized construction GHG emissions calculated assuming 30-year project lifetime.
 CO2e = carbon dioxide equivalents; MT = metric tons

| Operational Emissions - Alternative 2 | | | | | | | | | | | |
|---|------|------|-------|------|---------------|--------------|------------|----------------|---------------|-------------|--|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | |
| Total Emissions (tons) | 0.72 | 0.64 | 2.56 | 0.01 | 0.56 | 0.01 | 0.57 | 0.15 | 0.01 | 0.16 | |
| Threshold | 10 | 10 | | | | | 15 | | | 10 | |
| Average Daily Emissions (pounds/day) ¹ | 3.94 | 3.53 | 14.00 | 0.03 | 3.05 | 0.07 | 3.12 | 0.82 | 0.07 | 0.88 | |
| Threshold ² | 54 | 54 | | | | | 82 | | | 54 | |
| Exceed Threshold? | No | No | | | | | No | | | No | |

Notes:

| | |
|-----------|------|
| Days/Year | 365 |
| lb/ton | 2000 |

| Operational Greenhouse Gas Emissions | |
|--------------------------------------|---------|
| Source | MT CO2e |
| Area | 6 |
| Energy | 94 |
| Mobile | 544 |
| Waste | 25 |
| Water | 15 |
| Total Annual GHG Emissions | 683.36 |
| GHG Emissions Per Service Population | 1.99 |

Alternative 3

| Annual Construction Emissions - Alternative 3 | | | | | | | | | | | |
|---|-----------|--------|--------|----------|---------------|--------------|------------|----------------|---------------|-------------|-----------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | CO2e |
| Year | tons/year | | | | | | | | | | |
| 2021 | 1.3912 | 1.4805 | 1.5688 | 3.72E-03 | 0.0962 | 0.0577 | 0.1538 | 0.0259 | 0.0552 | 0.0811 | 327.09999 |
| 2022 | 0.919 | 3.648 | 3.754 | 9.36E-03 | 0.1529 | 0.1433 | 0.2962 | 0.0411 | 0.138 | 0.1792 | 818.8817 |
| 2023 | 0.2383 | 2.2541 | 2.143 | 6.04E-03 | 0.1295 | 0.0768 | 0.2063 | 0.0355 | 0.0743 | 0.1098 | 535.1519 |
| 2024 | 1.097 | 1.8881 | 2.2112 | 5.07E-03 | 0.0974 | 0.0744 | 0.1718 | 0.0263 | 0.0717 | 0.0979 | 438.4084 |
| 2025 | 0.0516 | 0.4293 | 0.5172 | 1.07E-03 | 5.12E-03 | 0.0184 | 0.0235 | 1.36E-03 | 0.017 | 0.0183 | 94.6149 |
| Total Emissions | 3.70 | 9.70 | 10.19 | 0.03 | 0.48 | 0.37 | 0.85 | 0.13 | 0.36 | 0.49 | 2214.16 |

Notes: ROG = reactive organic gases; NOx = nitrogen oxides; CO = carbon monoxide; SO2 = sulfur dioxide; PM10 = particulate matter equal or less than 10 micrometers in diameter; PM2.5 = particulate matter equal or less than 2.5 micrometers in diameter

| Average Daily Construction Emissions - Alternative 3 | | | | | | | | | | | |
|--|------|-------|-------|------|---------------|--------------|------------|----------------|---------------|-------------|--|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | |
| Total Emissions (tons) | 3.70 | 9.70 | 10.19 | 0.03 | 0.48 | 0.37 | 0.85 | 0.13 | 0.36 | 0.49 | |
| Average Daily Emissions (pounds/day) ¹ | 7.04 | 18.48 | 19.42 | 0.05 | 0.92 | 0.71 | 1.62 | 0.25 | 0.68 | 0.93 | |
| Threshold ² | 54 | 54 | | | | 82 | | | 54 | | |
| Exceed Threshold? | No | No | | | | No | | | No | | |

Notes:
¹ Average daily emissions are calculated based on 21 working days per month over a 32-month construction period.
² Thresholds from Table 2-1 of the BAAQMD CEQA Air Quality Guidelines (BAAQMD 2017)
 ROG = reactive organic gases; NOx = nitrogen oxides; CO = carbon monoxide; SO2 = sulfur dioxide; PM10 = particulate matter equal or less than 10 micrometers in diameter; PM2.5 = particulate matter equal or less than 2.5 micrometers in diameter

| | |
|------------------------------|------|
| Total Months of Construction | 50 |
| Working Days/Month | 21 |
| Total Days of Construction | 1050 |
| lb/ton | 2000 |

| Unit Conversions | |
|------------------|--------|
| tons | pounds |
| 1 | 2000 |

| Construction-Related Greenhouse Gas Emissions | |
|---|----------|
| Year | MT CO2e |
| Total GHG Emissions | 2214.16 |
| Total GHG Emissions | 2,214.16 |
| Amortized GHG Emissions ¹ | 73.81 |

Notes:
¹ Amortized construction GHG emissions calculated assuming 30-year project lifetime.
 CO2e = carbon dioxide equivalents; MT = metric tons

| Operational Emissions - Alternative 3 | | | | | | | | | | | |
|---|------|------|-------|------|---------------|--------------|------------|----------------|---------------|-------------|--|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | |
| Total Emissions (tons) | 0.93 | 1.02 | 3.20 | 0.01 | 0.92 | 0.02 | 0.94 | 0.25 | 0.02 | 0.27 | |
| Threshold | 10 | 10 | | | | | 15 | | | 10 | |
| Average Daily Emissions (pounds/day) ¹ | 5.11 | 5.56 | 17.55 | 0.05 | 5.04 | 0.12 | 5.16 | 1.35 | 0.12 | 1.47 | |
| Threshold ² | 54 | 54 | | | | | 82 | | | 54 | |
| Exceed Threshold? | No | No | | | | | No | | | No | |

Notes:

| | |
|-----------|------|
| Days/Year | 365 |
| lb/ton | 2000 |

| Operational Greenhouse Gas Emissions | |
|--------------------------------------|----------|
| Source | MT CO2e |
| Area | 5 |
| Energy | 378 |
| Mobile | 818 |
| Waste | 76 |
| Water | 55 |
| Total Annual GHG Emissions | 1,332.13 |
| GHG Emissions Per Service Population | 1.91 |

Former City Hall Demolition - Santa Clara County, Annual

Former City Hall Demolition
Santa Clara County, Annual

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|----------------------------|--------|----------|-------------|--------------------|------------|
| Government Office Building | 113.43 | 1000sqft | 2.60 | 113,430.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|---------------------------------|--------------------------------|---------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 58 |
| Climate Zone | 4 | | | Operational Year | 2023 |
| Utility Company | Pacific Gas & Electric Company | | | | |
| CO2 Intensity (lb/MW hr) | 641.35 | CH4 Intensity (lb/MW hr) | 0.029 | N2O Intensity (lb/MW hr) | 0.006 |

1.3 User Entered Comments & Non-Default Data

Former City Hall Demolition - Santa Clara County, Annual

Project Characteristics - Demolition of vacant Former City Hall only - construction phases only, no operations.

Land Use - Placeholder included for demolition of 113,430 sq. ft. building. No future operations or future use identified for the site at this time.

Construction Phase - Based on project specific construction schedule of 12-15 months with anticipated start date of 2021.

Off-road Equipment - Project specific equipment. Crushing/Proc. Equipment = concrete crusher plant, Off-highway truck = water truck.

Off-road Equipment - Project specific equipment.

Off-road Equipment - Project specific equipment. Off-highway truck = water truck.

Off-road Equipment - Project specific equipment. Off-highway truck = water truck.

Trips and VMT - Haz = max of 30 workers. Site prep = max of 40 workers. Site rehab = max of 20 workers. Demolition debris haul truck trips (loaded) anticipated to be 2,500. Material import truck trips (loaded) during site rehab assumed to be 160. Vendor trips included to account for tree removal/misc. trips based on CalEEMod default of 0.1639 daily trips per 1000 sq. ft.

Energy Use - No operations or future use of the site identified.

Water And Wastewater - No operations or future use of site identified.

Construction Off-road Equipment Mitigation - Assumes watering twice per day consistent with BAAQMD Best Management Practices during construction.

| Table Name | Column Name | Default Value | New Value |
|----------------------|------------------------------|---------------|-----------|
| tblAreaCoating | Area_Nonresidential_Exterior | 56715 | 0 |
| tblAreaCoating | Area_Nonresidential_Interior | 170145 | 0 |
| tblConstructionPhase | NumDays | 10.00 | 151.00 |
| tblConstructionPhase | NumDays | 20.00 | 86.00 |
| tblConstructionPhase | NumDays | 6.00 | 23.00 |
| tblConstructionPhase | NumDays | 3.00 | 65.00 |
| tblEnergyUse | LightingElect | 3.88 | 0.00 |
| tblEnergyUse | NT24E | 7.84 | 0.00 |
| tblEnergyUse | NT24NG | 0.06 | 0.00 |
| tblEnergyUse | T24E | 6.11 | 0.00 |
| tblEnergyUse | T24NG | 16.31 | 0.00 |
| tblGrading | AcresOfGrading | 11.50 | 3.00 |
| tblGrading | AcresOfGrading | 0.00 | 4.50 |

Former City Hall Demolition - Santa Clara County, Annual

| | | | |
|---------------------|----------------------------|------|-------------------------------|
| tblGrading | MaterialImported | 0.00 | 2,500.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 2.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 2.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 2.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 3.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | PhaseName | | Site Control and Preparation |
| tblOffRoadEquipment | PhaseName | | Demolition and Debris Removal |
| tblOffRoadEquipment | PhaseName | | Demolition and Debris Removal |

Former City Hall Demolition - Santa Clara County, Annual

| | | | |
|---------------------|--------------------------|----------|-------------------------------|
| tblOffRoadEquipment | PhaseName | | Demolition and Debris Removal |
| tblOffRoadEquipment | PhaseName | | Site Control and Preparation |
| tblOffRoadEquipment | PhaseName | | Demolition and Debris Removal |
| tblOffRoadEquipment | PhaseName | | Site Rehabilitation |
| tblOffRoadEquipment | PhaseName | | Demolition and Debris Removal |
| tblOffRoadEquipment | PhaseName | | Site Control and Preparation |
| tblOffRoadEquipment | PhaseName | | Demolition and Debris Removal |
| tblOffRoadEquipment | PhaseName | | Site Rehabilitation |
| tblOffRoadEquipment | PhaseName | | Site Rehabilitation |
| tblOffRoadEquipment | PhaseName | | Site Control and Preparation |
| tblOffRoadEquipment | PhaseName | | Demolition and Debris Removal |
| tblOffRoadEquipment | PhaseName | | Demolition and Debris Removal |
| tblOffRoadEquipment | PhaseName | | Site Rehabilitation |
| tblOffRoadEquipment | UsageHours | 6.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 7.00 | 8.00 |
| tblOffRoadEquipment | UsageHours | 7.00 | 8.00 |
| tblSolidWaste | SolidWasteGenerationRate | 105.49 | 0.00 |
| tblTripsAndVMT | HaulingTripNumber | 4,450.00 | 5,000.00 |
| tblTripsAndVMT | HaulingTripNumber | 313.00 | 320.00 |
| tblTripsAndVMT | VendorTripNumber | 0.00 | 18.00 |
| tblTripsAndVMT | VendorTripNumber | 0.00 | 18.00 |
| tblTripsAndVMT | WorkerTripNumber | 7.00 | 60.00 |
| tblTripsAndVMT | WorkerTripNumber | 18.00 | 80.00 |

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| | | | |
|-----------------|---------------------|---------------|-------|
| tblTripsAndVMT | WorkerTripNumber | 35.00 | 60.00 |
| tblTripsAndVMT | WorkerTripNumber | 18.00 | 40.00 |
| tblVehicleTrips | WD_TR | 68.93 | 0.00 |
| tblWater | IndoorWaterUseRate | 22,533,968.17 | 0.00 |
| tblWater | OutdoorWaterUseRate | 13,811,141.78 | 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 | 0.4593 | 0.4593 |
| 2 | 4-1-2021 | 6-30-2021 | 0.4625 | 0.4625 |
| 3 | 7-1-2021 | 9-30-2021 | 0.4842 | 0.4842 |
| 4 | 10-1-2021 | 12-31-2021 | 1.2504 | 1.2504 |
| 5 | 1-1-2022 | 3-31-2022 | 1.2413 | 1.2413 |
| | | Highest | 1.2504 | 1.2504 |

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 | 0.4431 | 1.0000e-005 | 1.0400e-003 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 2.0300e-003 | 2.0300e-003 | 1.0000e-005 | 0.0000 | 2.1600e-003 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.4431 | 1.0000e-005 | 1.0400e-003 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 2.0300e-003 | 2.0300e-003 | 1.0000e-005 | 0.0000 | 2.1600e-003 |

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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 | 0.4431 | 1.0000e-005 | 1.0400e-003 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 2.0300e-003 | 2.0300e-003 | 1.0000e-005 | 0.0000 | 2.1600e-003 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.4431 | 1.0000e-005 | 1.0400e-003 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 2.0300e-003 | 2.0300e-003 | 1.0000e-005 | 0.0000 | 2.1600e-003 |

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

3.0 Construction Detail

Construction Phase

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| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-------------------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1 | Hazardous Materials Abatement | Architectural Coating | 1/1/2021 | 7/30/2021 | 5 | 151 | |
| 2 | Site Control and Preparation | Site Preparation | 8/1/2021 | 10/29/2021 | 5 | 65 | |
| 3 | Demolition and Debris Removal | Demolition | 11/1/2021 | 2/28/2022 | 5 | 86 | |
| 4 | Site Rehabilitation | Grading | 3/1/2022 | 3/31/2022 | 5 | 23 | |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 170,145; Non-Residential Outdoor: 56,715; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-------------------------------|---------------------------|--------|-------------|-------------|-------------|
| Hazardous Materials Abatement | Aerial Lifts | 2 | 8.00 | 63 | 0.31 |
| Hazardous Materials Abatement | Air Compressors | 0 | 0.00 | 78 | 0.48 |
| Hazardous Materials Abatement | Dumpers/Tenders | 1 | 8.00 | 16 | 0.38 |
| Hazardous Materials Abatement | Forklifts | 1 | 8.00 | 89 | 0.20 |
| Hazardous Materials Abatement | Skid Steer Loaders | 1 | 8.00 | 65 | 0.37 |
| Site Control and Preparation | Aerial Lifts | 2 | 8.00 | 63 | 0.31 |
| Site Control and Preparation | Dumpers/Tenders | 1 | 8.00 | 16 | 0.38 |
| Site Control and Preparation | Graders | 0 | 0.00 | 187 | 0.41 |
| Site Control and Preparation | Off-Highway Trucks | 1 | 8.00 | 402 | 0.38 |
| Site Control and Preparation | Scrapers | 0 | 0.00 | 367 | 0.48 |
| Site Control and Preparation | Skid Steer Loaders | 1 | 8.00 | 65 | 0.37 |
| Site Control and Preparation | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |

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| | | | | | |
|-------------------------------|---------------------------|---|------|-----|------|
| Demolition and Debris Removal | Aerial Lifts | 2 | 8.00 | 63 | 0.31 |
| Demolition and Debris Removal | Concrete/Industrial Saws | 0 | 0.00 | 81 | 0.73 |
| Demolition and Debris Removal | Cranes | 1 | 8.00 | 231 | 0.29 |
| Demolition and Debris Removal | Crushing/Proc. Equipment | 1 | 8.00 | 85 | 0.78 |
| Demolition and Debris Removal | Dumpers/Tenders | 1 | 8.00 | 16 | 0.38 |
| Demolition and Debris Removal | Excavators | 3 | 8.00 | 158 | 0.38 |
| Demolition and Debris Removal | Off-Highway Trucks | 1 | 8.00 | 402 | 0.38 |
| Demolition and Debris Removal | Rubber Tired Dozers | 0 | 0.00 | 247 | 0.40 |
| Demolition and Debris Removal | Skid Steer Loaders | 1 | 8.00 | 65 | 0.37 |
| Demolition and Debris Removal | Sweepers/Scrubbers | 1 | 8.00 | 64 | 0.46 |
| Demolition and Debris Removal | Tractors/Loaders/Backhoes | 3 | 8.00 | 97 | 0.37 |
| Site Rehabilitation | Dumpers/Tenders | 1 | 8.00 | 16 | 0.38 |
| Site Rehabilitation | Graders | 1 | 8.00 | 187 | 0.41 |
| Site Rehabilitation | Off-Highway Trucks | 1 | 8.00 | 402 | 0.38 |
| Site Rehabilitation | Plate Compactors | 1 | 8.00 | 8 | 0.43 |
| Site Rehabilitation | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Site Rehabilitation | Sweepers/Scrubbers | 1 | 8.00 | 64 | 0.46 |
| Site Rehabilitation | Tractors/Loaders/Backhoes | 1 | 8.00 | 97 | 0.37 |

Trips and VMT

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-------------------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Hazardous Materials Abatement | 5 | 60.00 | 18.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Control and Preparation | 7 | 80.00 | 18.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Demolition and Debris Removal | 14 | 60.00 | 0.00 | 5,000.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Rehabilitation | 7 | 40.00 | 0.00 | 320.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

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3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Hazardous Materials Abatement - 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 | 0.5915 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0267 | 0.2906 | 0.3773 | 5.8000e-004 | | 0.0125 | 0.0125 | | 0.0116 | 0.0116 | 0.0000 | 50.3015 | 50.3015 | 0.0154 | 0.0000 | 50.6857 |
| Total | 0.6181 | 0.2906 | 0.3773 | 5.8000e-004 | | 0.0125 | 0.0125 | | 0.0116 | 0.0116 | 0.0000 | 50.3015 | 50.3015 | 0.0154 | 0.0000 | 50.6857 |

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3.2 Hazardous Materials Abatement - 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 | 4.4300e-003 | 0.1397 | 0.0372 | 3.7000e-004 | 8.9400e-003 | 3.1000e-004 | 9.2500e-003 | 2.5800e-003 | 3.0000e-004 | 2.8800e-003 | 0.0000 | 35.2021 | 35.2021 | 1.5300e-003 | 0.0000 | 35.2405 |
| Worker | 0.0140 | 9.6600e-003 | 0.1036 | 3.3000e-004 | 0.0359 | 2.3000e-004 | 0.0362 | 9.5600e-003 | 2.1000e-004 | 9.7600e-003 | 0.0000 | 29.7413 | 29.7413 | 6.8000e-004 | 0.0000 | 29.7583 |
| Total | 0.0184 | 0.1493 | 0.1408 | 7.0000e-004 | 0.0449 | 5.4000e-004 | 0.0454 | 0.0121 | 5.1000e-004 | 0.0126 | 0.0000 | 64.9434 | 64.9434 | 2.2100e-003 | 0.0000 | 64.9987 |

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 | 0.5915 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0267 | 0.2906 | 0.3773 | 5.8000e-004 | | 0.0125 | 0.0125 | | 0.0116 | 0.0116 | 0.0000 | 50.3014 | 50.3014 | 0.0154 | 0.0000 | 50.6856 |
| Total | 0.6181 | 0.2906 | 0.3773 | 5.8000e-004 | | 0.0125 | 0.0125 | | 0.0116 | 0.0116 | 0.0000 | 50.3014 | 50.3014 | 0.0154 | 0.0000 | 50.6856 |

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3.2 Hazardous Materials Abatement - 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 | 4.4300e-003 | 0.1397 | 0.0372 | 3.7000e-004 | 8.9400e-003 | 3.1000e-004 | 9.2500e-003 | 2.5800e-003 | 3.0000e-004 | 2.8800e-003 | 0.0000 | 35.2021 | 35.2021 | 1.5300e-003 | 0.0000 | 35.2405 |
| Worker | 0.0140 | 9.6600e-003 | 0.1036 | 3.3000e-004 | 0.0359 | 2.3000e-004 | 0.0362 | 9.5600e-003 | 2.1000e-004 | 9.7600e-003 | 0.0000 | 29.7413 | 29.7413 | 6.8000e-004 | 0.0000 | 29.7583 |
| Total | 0.0184 | 0.1493 | 0.1408 | 7.0000e-004 | 0.0449 | 5.4000e-004 | 0.0454 | 0.0121 | 5.1000e-004 | 0.0126 | 0.0000 | 64.9434 | 64.9434 | 2.2100e-003 | 0.0000 | 64.9987 |

3.3 Site Control and 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 | | | | | 2.3900e-003 | 0.0000 | 2.3900e-003 | 2.6000e-004 | 0.0000 | 2.6000e-004 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0391 | 0.3810 | 0.3885 | 8.3000e-004 | | 0.0162 | 0.0162 | | 0.0149 | 0.0149 | 0.0000 | 72.7270 | 72.7270 | 0.0231 | 0.0000 | 73.3053 |
| Total | 0.0391 | 0.3810 | 0.3885 | 8.3000e-004 | 2.3900e-003 | 0.0162 | 0.0186 | 2.6000e-004 | 0.0149 | 0.0152 | 0.0000 | 72.7270 | 72.7270 | 0.0231 | 0.0000 | 73.3053 |

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3.3 Site Control and 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 1.9100e-003 | 0.0601 | 0.0160 | 1.6000e-004 | 3.8500e-003 | 1.3000e-004 | 3.9800e-003 | 1.1100e-003 | 1.3000e-004 | 1.2400e-003 | 0.0000 | 15.1532 | 15.1532 | 6.6000e-004 | 0.0000 | 15.1697 |
| Worker | 8.0100e-003 | 5.5500e-003 | 0.0595 | 1.9000e-004 | 0.0206 | 1.3000e-004 | 0.0208 | 5.4800e-003 | 1.2000e-004 | 5.6000e-003 | 0.0000 | 17.0701 | 17.0701 | 3.9000e-004 | 0.0000 | 17.0798 |
| Total | 9.9200e-003 | 0.0657 | 0.0755 | 3.5000e-004 | 0.0245 | 2.6000e-004 | 0.0247 | 6.5900e-003 | 2.5000e-004 | 6.8400e-003 | 0.0000 | 32.2233 | 32.2233 | 1.0500e-003 | 0.0000 | 32.2495 |

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 | | | | | 1.0700e-003 | 0.0000 | 1.0700e-003 | 1.2000e-004 | 0.0000 | 1.2000e-004 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0391 | 0.3810 | 0.3885 | 8.3000e-004 | | 0.0162 | 0.0162 | | 0.0149 | 0.0149 | 0.0000 | 72.7269 | 72.7269 | 0.0231 | 0.0000 | 73.3053 |
| Total | 0.0391 | 0.3810 | 0.3885 | 8.3000e-004 | 1.0700e-003 | 0.0162 | 0.0173 | 1.2000e-004 | 0.0149 | 0.0151 | 0.0000 | 72.7269 | 72.7269 | 0.0231 | 0.0000 | 73.3053 |

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3.3 Site Control and 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 1.9100e-003 | 0.0601 | 0.0160 | 1.6000e-004 | 3.8500e-003 | 1.3000e-004 | 3.9800e-003 | 1.1100e-003 | 1.3000e-004 | 1.2400e-003 | 0.0000 | 15.1532 | 15.1532 | 6.6000e-004 | 0.0000 | 15.1697 |
| Worker | 8.0100e-003 | 5.5500e-003 | 0.0595 | 1.9000e-004 | 0.0206 | 1.3000e-004 | 0.0208 | 5.4800e-003 | 1.2000e-004 | 5.6000e-003 | 0.0000 | 17.0701 | 17.0701 | 3.9000e-004 | 0.0000 | 17.0798 |
| Total | 9.9200e-003 | 0.0657 | 0.0755 | 3.5000e-004 | 0.0245 | 2.6000e-004 | 0.0247 | 6.5900e-003 | 2.5000e-004 | 6.8400e-003 | 0.0000 | 32.2233 | 32.2233 | 1.0500e-003 | 0.0000 | 32.2495 |

3.4 Demolition and Debris Removal - 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 | | | | | 0.2519 | 0.0000 | 0.2519 | 0.0382 | 0.0000 | 0.0382 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0727 | 0.6859 | 0.7268 | 1.3400e-003 | | 0.0333 | 0.0333 | | 0.0310 | 0.0310 | 0.0000 | 117.1144 | 117.1144 | 0.0342 | 0.0000 | 117.9682 |
| Total | 0.0727 | 0.6859 | 0.7268 | 1.3400e-003 | 0.2519 | 0.0333 | 0.2852 | 0.0382 | 0.0310 | 0.0692 | 0.0000 | 117.1144 | 117.1144 | 0.0342 | 0.0000 | 117.9682 |

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3.4 Demolition and Debris Removal - 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 | 0.0103 | 0.3498 | 0.0762 | 1.0200e-003 | 0.0373 | 1.0900e-003 | 0.0384 | 9.8100e-003 | 1.0400e-003 | 0.0109 | 0.0000 | 98.5072 | 98.5072 | 4.4700e-003 | 0.0000 | 98.6190 |
| 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 | 4.1600e-003 | 2.8800e-003 | 0.0309 | 1.0000e-004 | 0.0107 | 7.0000e-005 | 0.0108 | 2.8500e-003 | 6.0000e-005 | 2.9100e-003 | 0.0000 | 8.8633 | 8.8633 | 2.0000e-004 | 0.0000 | 8.8684 |
| Total | 0.0144 | 0.3527 | 0.1071 | 1.1200e-003 | 0.0480 | 1.1600e-003 | 0.0492 | 0.0127 | 1.1000e-003 | 0.0138 | 0.0000 | 107.3705 | 107.3705 | 4.6700e-003 | 0.0000 | 107.4873 |

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 | | | | | 0.1134 | 0.0000 | 0.1134 | 0.0172 | 0.0000 | 0.0172 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0727 | 0.6858 | 0.7268 | 1.3400e-003 | | 0.0333 | 0.0333 | | 0.0310 | 0.0310 | 0.0000 | 117.1143 | 117.1143 | 0.0342 | 0.0000 | 117.9681 |
| Total | 0.0727 | 0.6858 | 0.7268 | 1.3400e-003 | 0.1134 | 0.0333 | 0.1467 | 0.0172 | 0.0310 | 0.0482 | 0.0000 | 117.1143 | 117.1143 | 0.0342 | 0.0000 | 117.9681 |

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3.4 Demolition and Debris Removal - 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 | 0.0103 | 0.3498 | 0.0762 | 1.0200e-003 | 0.0373 | 1.0900e-003 | 0.0384 | 9.8100e-003 | 1.0400e-003 | 0.0109 | 0.0000 | 98.5072 | 98.5072 | 4.4700e-003 | 0.0000 | 98.6190 |
| 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 | 4.1600e-003 | 2.8800e-003 | 0.0309 | 1.0000e-004 | 0.0107 | 7.0000e-005 | 0.0108 | 2.8500e-003 | 6.0000e-005 | 2.9100e-003 | 0.0000 | 8.8633 | 8.8633 | 2.0000e-004 | 0.0000 | 8.8684 |
| Total | 0.0144 | 0.3527 | 0.1071 | 1.1200e-003 | 0.0480 | 1.1600e-003 | 0.0492 | 0.0127 | 1.1000e-003 | 0.0138 | 0.0000 | 107.3705 | 107.3705 | 4.6700e-003 | 0.0000 | 107.4873 |

3.4 Demolition and Debris Removal - 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 | | | | | |
| Fugitive Dust | | | | | 0.2295 | 0.0000 | 0.2295 | 0.0348 | 0.0000 | 0.0348 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0593 | 0.5350 | 0.6520 | 1.2200e-003 | | 0.0250 | 0.0250 | | 0.0234 | 0.0234 | 0.0000 | 106.7272 | 106.7272 | 0.0311 | 0.0000 | 107.5042 |
| Total | 0.0593 | 0.5350 | 0.6520 | 1.2200e-003 | 0.2295 | 0.0250 | 0.2546 | 0.0348 | 0.0234 | 0.0581 | 0.0000 | 106.7272 | 106.7272 | 0.0311 | 0.0000 | 107.5042 |

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3.4 Demolition and Debris Removal - 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 | 8.8100e-003 | 0.2927 | 0.0683 | 9.1000e-004 | 0.0368 | 8.5000e-004 | 0.0377 | 9.6300e-003 | 8.2000e-004 | 0.0105 | 0.0000 | 88.5410 | 88.5410 | 3.9800e-003 | 0.0000 | 88.6406 |
| 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 | 3.5400e-003 | 2.3500e-003 | 0.0259 | 9.0000e-005 | 9.7600e-003 | 6.0000e-005 | 9.8200e-003 | 2.5900e-003 | 6.0000e-005 | 2.6500e-003 | 0.0000 | 7.7821 | 7.7821 | 1.6000e-004 | 0.0000 | 7.7863 |
| Total | 0.0124 | 0.2951 | 0.0941 | 1.0000e-003 | 0.0466 | 9.1000e-004 | 0.0475 | 0.0122 | 8.8000e-004 | 0.0131 | 0.0000 | 96.3232 | 96.3232 | 4.1400e-003 | 0.0000 | 96.4268 |

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 | | | | | 0.1033 | 0.0000 | 0.1033 | 0.0156 | 0.0000 | 0.0156 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0593 | 0.5350 | 0.6520 | 1.2200e-003 | | 0.0250 | 0.0250 | | 0.0234 | 0.0234 | 0.0000 | 106.7270 | 106.7270 | 0.0311 | 0.0000 | 107.5040 |
| Total | 0.0593 | 0.5350 | 0.6520 | 1.2200e-003 | 0.1033 | 0.0250 | 0.1283 | 0.0156 | 0.0234 | 0.0390 | 0.0000 | 106.7270 | 106.7270 | 0.0311 | 0.0000 | 107.5040 |

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3.4 Demolition and Debris Removal - 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 | 8.8100e-003 | 0.2927 | 0.0683 | 9.1000e-004 | 0.0368 | 8.5000e-004 | 0.0377 | 9.6300e-003 | 8.2000e-004 | 0.0105 | 0.0000 | 88.5410 | 88.5410 | 3.9800e-003 | 0.0000 | 88.6406 |
| 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 | 3.5400e-003 | 2.3500e-003 | 0.0259 | 9.0000e-005 | 9.7600e-003 | 6.0000e-005 | 9.8200e-003 | 2.5900e-003 | 6.0000e-005 | 2.6500e-003 | 0.0000 | 7.7821 | 7.7821 | 1.6000e-004 | 0.0000 | 7.7863 |
| Total | 0.0124 | 0.2951 | 0.0941 | 1.0000e-003 | 0.0466 | 9.1000e-004 | 0.0475 | 0.0122 | 8.8000e-004 | 0.0131 | 0.0000 | 96.3232 | 96.3232 | 4.1400e-003 | 0.0000 | 96.4268 |

3.5 Site Rehabilitation - 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 | | | | | |
| Fugitive Dust | | | | | 0.0710 | 0.0000 | 0.0710 | 0.0383 | 0.0000 | 0.0383 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0259 | 0.2560 | 0.1527 | 4.1000e-004 | | 0.0111 | 0.0111 | | 0.0103 | 0.0103 | 0.0000 | 35.3680 | 35.3680 | 0.0112 | 0.0000 | 35.6486 |
| Total | 0.0259 | 0.2560 | 0.1527 | 4.1000e-004 | 0.0710 | 0.0111 | 0.0821 | 0.0383 | 0.0103 | 0.0485 | 0.0000 | 35.3680 | 35.3680 | 0.0112 | 0.0000 | 35.6486 |

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3.5 Site Rehabilitation - 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 | 1.1800e-003 | 0.0393 | 9.1700e-003 | 1.2000e-004 | 2.7100e-003 | 1.1000e-004 | 2.8300e-003 | 7.5000e-004 | 1.1000e-004 | 8.6000e-004 | 0.0000 | 11.8861 | 11.8861 | 5.3000e-004 | 0.0000 | 11.8995 |
| 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 | 1.3200e-003 | 8.8000e-004 | 9.6700e-003 | 3.0000e-005 | 3.6500e-003 | 2.0000e-005 | 3.6700e-003 | 9.7000e-004 | 2.0000e-005 | 9.9000e-004 | 0.0000 | 2.9104 | 2.9104 | 6.0000e-005 | 0.0000 | 2.9119 |
| Total | 2.5000e-003 | 0.0402 | 0.0188 | 1.5000e-004 | 6.3600e-003 | 1.3000e-004 | 6.5000e-003 | 1.7200e-003 | 1.3000e-004 | 1.8500e-003 | 0.0000 | 14.7965 | 14.7965 | 5.9000e-004 | 0.0000 | 14.8114 |

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 | | | | | 0.0319 | 0.0000 | 0.0319 | 0.0172 | 0.0000 | 0.0172 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0259 | 0.2560 | 0.1527 | 4.1000e-004 | | 0.0111 | 0.0111 | | 0.0103 | 0.0103 | 0.0000 | 35.3680 | 35.3680 | 0.0112 | 0.0000 | 35.6485 |
| Total | 0.0259 | 0.2560 | 0.1527 | 4.1000e-004 | 0.0319 | 0.0111 | 0.0431 | 0.0172 | 0.0103 | 0.0275 | 0.0000 | 35.3680 | 35.3680 | 0.0112 | 0.0000 | 35.6485 |

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3.5 Site Rehabilitation - 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 | 1.1800e-003 | 0.0393 | 9.1700e-003 | 1.2000e-004 | 2.7100e-003 | 1.1000e-004 | 2.8300e-003 | 7.5000e-004 | 1.1000e-004 | 8.6000e-004 | 0.0000 | 11.8861 | 11.8861 | 5.3000e-004 | 0.0000 | 11.8995 |
| 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 | 1.3200e-003 | 8.8000e-004 | 9.6700e-003 | 3.0000e-005 | 3.6500e-003 | 2.0000e-005 | 3.6700e-003 | 9.7000e-004 | 2.0000e-005 | 9.9000e-004 | 0.0000 | 2.9104 | 2.9104 | 6.0000e-005 | 0.0000 | 2.9119 |
| Total | 2.5000e-003 | 0.0402 | 0.0188 | 1.5000e-004 | 6.3600e-003 | 1.3000e-004 | 6.5000e-003 | 1.7200e-003 | 1.3000e-004 | 1.8500e-003 | 0.0000 | 14.7965 | 14.7965 | 5.9000e-004 | 0.0000 | 14.8114 |

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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|----------------------------|-------------------------|----------|--------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Government Office Building | 0.00 | 0.00 | 0.00 | | |
| Total | 0.00 | 0.00 | 0.00 | | |

4.3 Trip Type Information

| Land Use | Miles | | | Trip % | | | Trip Purpose % | | |
|----------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
| | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| Government Office Building | 9.50 | 7.30 | 7.30 | 33.00 | 62.00 | 5.00 | 50 | 34 | 16 |

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Government Office Building | 0.610498 | 0.036775 | 0.183084 | 0.106123 | 0.014413 | 0.005007 | 0.012610 | 0.021118 | 0.002144 | 0.001548 | 0.005312 | 0.000627 | 0.000740 |

5.0 Energy Detail

Historical Energy Use: N

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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 | | | | | |
| Government Office Building | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

5.3 Energy by Land Use - Electricity

Unmitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|-----------------|---------------|---------------|---------------|---------------|
| Land Use | kWh/yr | MT/yr | | | |
| Government Office Building | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

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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 | | | |
| Government Office Building | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

6.0 Area Detail

6.1 Mitigation Measures Area

| | ROG | NOx | CO | SO2 | Fugitive 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 | 0.4431 | 1.0000e-005 | 1.0400e-003 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 2.0300e-003 | 2.0300e-003 | 1.0000e-005 | 0.0000 | 2.1600e-003 |
| Unmitigated | 0.4431 | 1.0000e-005 | 1.0400e-003 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 2.0300e-003 | 2.0300e-003 | 1.0000e-005 | 0.0000 | 2.1600e-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 | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.4430 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 1.0000e-004 | 1.0000e-005 | 1.0400e-003 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 2.0300e-003 | 2.0300e-003 | 1.0000e-005 | 0.0000 | 2.1600e-003 |
| Total | 0.4431 | 1.0000e-005 | 1.0400e-003 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 2.0300e-003 | 2.0300e-003 | 1.0000e-005 | 0.0000 | 2.1600e-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 | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.4430 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 1.0000e-004 | 1.0000e-005 | 1.0400e-003 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 2.0300e-003 | 2.0300e-003 | 1.0000e-005 | 0.0000 | 2.1600e-003 |
| Total | 0.4431 | 1.0000e-005 | 1.0400e-003 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 2.0300e-003 | 2.0300e-003 | 1.0000e-005 | 0.0000 | 2.1600e-003 |

7.0 Water Detail

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7.1 Mitigation Measures Water

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

7.2 Water by Land Use

Unmitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|--------------------|---------------|---------------|---------------|---------------|
| Land Use | Mgal | MT/yr | | | |
| Government Office Building | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

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7.2 Water by Land Use

Mitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|--------------------|---------------|---------------|---------------|---------------|
| Land Use | Mgal | MT/yr | | | |
| Government Office Building | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

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

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8.2 Waste by Land Use

Unmitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|----------------|---------------|---------------|---------------|---------------|
| Land Use | tons | MT/yr | | | |
| Government Office Building | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

Mitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|----------------|---------------|---------------|---------------|---------------|
| Land Use | tons | MT/yr | | | |
| Government Office Building | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

9.0 Operational Offroad

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

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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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**Former City Hall Alternative 1 Office Reuse
Santa Clara County, Annual**

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|-------------------------|--------|----------|-------------|--------------------|------------|
| General Office Building | 113.43 | 1000sqft | 1.10 | 113,430.00 | 0 |
| Parking Lot | 97.00 | Space | 0.87 | 38,800.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|--------------------------------|--------------------------------|--------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 58 |
| Climate Zone | 4 | | | Operational Year | 2022 |
| Utility Company | Pacific Gas & Electric Company | | | | |
| CO2 Intensity (lb/MWhr) | 206 | CH4 Intensity (lb/MWhr) | 0.029 | N2O Intensity (lb/MWhr) | 0.006 |

1.3 User Entered Comments & Non-Default Data

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Project Characteristics - Updated CO2 Intensity Factor per PG&E 2020 CRSR.

Land Use - Project specific acreage

Construction Phase - Project specific schedule based on anticipated 12-15 months construction duration.

Off-road Equipment - Dump truck modeled as off-highway truck to account for any necessary off-haul of materials.

Off-road Equipment - Project specific equipment.

Off-road Equipment - Concrete vibrator modeled as plate compactor.

Off-road Equipment - Concrete vibrator modeled as plate compactor.

Off-road Equipment - Project specific demolition. Dump truck modeled as off-highway truck to account for potential off-haul.

Trips and VMT - Assumes between 30-40 maximum workers per day. Vendor trip rate during Construction and abatement based on CalEEMod default vendor trip rate for commercial land use.

Vehicle Trips - Updated to ITE 10th Generation. Government office land use, no weekend trips assumed.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes watering twice per day per BAAQMD fugitive dust control requirements.

Mobile Land Use Mitigation - Increases accessibility to adjacent VTA Civic Center station.

| Table Name | Column Name | Default Value | New Value |
|----------------------|----------------------------|---------------|-----------|
| tblConstructionPhase | NumDays | 10.00 | 151.00 |
| tblConstructionPhase | NumDays | 10.00 | 109.00 |
| tblConstructionPhase | NumDays | 200.00 | 130.00 |
| tblConstructionPhase | NumDays | 20.00 | 44.00 |
| tblLandUse | LotAcreage | 2.60 | 1.10 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |

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| | | | |
|---------------------|----------------------------|------|-----------------------|
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 2.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 4.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 4.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 2.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 2.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 2.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 2.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | PhaseName | | Selective Demolition |
| tblOffRoadEquipment | PhaseName | | Interior Construction |
| tblOffRoadEquipment | PhaseName | | Interior Finishes |
| tblOffRoadEquipment | PhaseName | | Interior Construction |
| tblOffRoadEquipment | PhaseName | | Interior Finishes |
| tblOffRoadEquipment | PhaseName | | Interior Construction |
| tblOffRoadEquipment | PhaseName | | Interior Finishes |
| tblOffRoadEquipment | PhaseName | | Selective Demolition |
| tblOffRoadEquipment | PhaseName | | Interior Finishes |
| tblOffRoadEquipment | PhaseName | | Selective Demolition |
| tblOffRoadEquipment | PhaseName | | Interior Construction |

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| | | | |
|---------------------------|--------------------|--------|-----------------------|
| tblOffRoadEquipment | PhaseName | | Interior Finishes |
| tblOffRoadEquipment | PhaseName | | Interior Construction |
| tblOffRoadEquipment | PhaseName | | Interior Finishes |
| tblOffRoadEquipment | PhaseName | | Interior Construction |
| tblOffRoadEquipment | PhaseName | | Interior Finishes |
| tblOffRoadEquipment | PhaseName | | Selective Demolition |
| tblOffRoadEquipment | UsageHours | 6.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 6.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 6.00 | 8.00 |
| tblOffRoadEquipment | UsageHours | 6.00 | 8.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 6.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 0.00 |
| tblProjectCharacteristics | CO2IntensityFactor | 641.35 | 206 |
| tblTripsAndVMT | VendorTripNumber | 0.00 | 18.00 |
| tblTripsAndVMT | VendorTripNumber | 25.00 | 18.00 |
| tblTripsAndVMT | WorkerTripNumber | 11.00 | 60.00 |
| tblTripsAndVMT | WorkerTripNumber | 13.00 | 60.00 |
| tblTripsAndVMT | WorkerTripNumber | 53.00 | 80.00 |
| tblTripsAndVMT | WorkerTripNumber | 11.00 | 80.00 |
| tblVehicleTrips | ST_TR | 2.46 | 0.00 |
| tblVehicleTrips | SU_TR | 1.05 | 0.00 |
| tblVehicleTrips | WD_TR | 11.03 | 9.74 |

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2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Year | tons/yr | | | | | | | | | | MT/yr | | | | | |
| 2021 | 1.0180 | 1.4540 | 1.5617 | 3.6500e-003 | 0.0945 | 0.0576 | 0.1521 | 0.0254 | 0.0551 | 0.0806 | 0.0000 | 319.2261 | 319.2261 | 0.0473 | 0.0000 | 320.4097 |
| 2022 | 0.4599 | 0.8392 | 0.9265 | 2.0400e-003 | 0.0444 | 0.0370 | 0.0814 | 0.0119 | 0.0361 | 0.0480 | 0.0000 | 173.0507 | 173.0507 | 0.0181 | 0.0000 | 173.5030 |
| Maximum | 1.0180 | 1.4540 | 1.5617 | 3.6500e-003 | 0.0945 | 0.0576 | 0.1521 | 0.0254 | 0.0551 | 0.0806 | 0.0000 | 319.2261 | 319.2261 | 0.0473 | 0.0000 | 320.4097 |

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 | 1.0180 | 1.4540 | 1.5617 | 3.6500e-003 | 0.0945 | 0.0576 | 0.1521 | 0.0254 | 0.0551 | 0.0806 | 0.0000 | 319.2258 | 319.2258 | 0.0473 | 0.0000 | 320.4094 |
| 2022 | 0.4599 | 0.8392 | 0.9265 | 2.0400e-003 | 0.0444 | 0.0370 | 0.0814 | 0.0119 | 0.0361 | 0.0480 | 0.0000 | 173.0506 | 173.0506 | 0.0181 | 0.0000 | 173.5029 |
| Maximum | 1.0180 | 1.4540 | 1.5617 | 3.6500e-003 | 0.0945 | 0.0576 | 0.1521 | 0.0254 | 0.0551 | 0.0806 | 0.0000 | 319.2258 | 319.2258 | 0.0473 | 0.0000 | 320.4094 |

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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 | 0.4627 | 0.4627 |
| 2 | 4-1-2021 | 6-30-2021 | 0.4660 | 0.4660 |
| 3 | 7-1-2021 | 9-30-2021 | 0.3680 | 0.3680 |
| 4 | 10-1-2021 | 12-31-2021 | 1.1537 | 1.1537 |
| 5 | 1-1-2022 | 3-31-2022 | 1.3075 | 1.3075 |
| | | Highest | 1.3075 | 1.3075 |

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 | 0.5057 | 2.0000e-005 | 1.9400e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 3.7600e-003 | 3.7600e-003 | 1.0000e-005 | 0.0000 | 4.0100e-003 |
| Energy | 0.0100 | 0.0910 | 0.0765 | 5.5000e-004 | | 6.9200e-003 | 6.9200e-003 | | 6.9200e-003 | 6.9200e-003 | 0.0000 | 289.3359 | 289.3359 | 0.0287 | 7.3600e-003 | 292.2456 |
| Mobile | 0.1852 | 0.7901 | 2.1808 | 7.5900e-003 | 0.7013 | 6.4300e-003 | 0.7077 | 0.1877 | 6.0100e-003 | 0.1937 | 0.0000 | 694.6961 | 694.6961 | 0.0233 | 0.0000 | 695.2790 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 21.4135 | 0.0000 | 21.4135 | 1.2655 | 0.0000 | 53.0511 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 6.3960 | 14.2342 | 20.6301 | 0.6589 | 0.0159 | 41.8493 |
| Total | 0.7008 | 0.8811 | 2.2592 | 8.1400e-003 | 0.7013 | 0.0134 | 0.7146 | 0.1877 | 0.0129 | 0.2007 | 27.8095 | 998.2700 | 1,026.0794 | 1.9764 | 0.0233 | 1,082.4290 |

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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 | 0.5057 | 2.0000e-005 | 1.9400e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 3.7600e-003 | 3.7600e-003 | 1.0000e-005 | 0.0000 | 4.0100e-003 |
| Energy | 0.0100 | 0.0910 | 0.0765 | 5.5000e-004 | | 6.9200e-003 | 6.9200e-003 | | 6.9200e-003 | 6.9200e-003 | 0.0000 | 289.3359 | 289.3359 | 0.0287 | 7.3600e-003 | 292.2456 |
| Mobile | 0.1716 | 0.6982 | 1.8372 | 6.0800e-003 | 0.5523 | 5.2400e-003 | 0.5576 | 0.1479 | 4.8900e-003 | 0.1527 | 0.0000 | 557.1935 | 557.1935 | 0.0197 | 0.0000 | 557.6855 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 21.4135 | 0.0000 | 21.4135 | 1.2655 | 0.0000 | 53.0511 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 6.3960 | 14.2342 | 20.6301 | 0.6589 | 0.0159 | 41.8493 |
| Total | 0.6873 | 0.7893 | 1.9156 | 6.6300e-003 | 0.5523 | 0.0122 | 0.5645 | 0.1479 | 0.0118 | 0.1597 | 27.8095 | 860.7674 | 888.5768 | 1.9728 | 0.0233 | 944.8354 |

| | ROG | NOx | CO | SO2 | 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 | 1.93 | 10.42 | 15.21 | 18.55 | 21.24 | 8.91 | 21.01 | 21.24 | 8.66 | 20.43 | 0.00 | 13.77 | 13.40 | 0.18 | 0.00 | 12.71 |

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 | Hazardous Materials Abatement | Architectural Coating | 1/1/2021 | 7/30/2021 | 5 | 151 | |
| 2 | Selective Demolition | Demolition | 8/1/2021 | 9/30/2021 | 5 | 44 | |
| 3 | Interior Construction | Building Construction | 10/1/2021 | 3/31/2022 | 5 | 130 | |
| 4 | Interior Finishes | Architectural Coating | 11/1/2021 | 3/31/2022 | 5 | 109 | |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.87

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 170,145; Non-Residential Outdoor: 56,715; Striped Parking Area: 2,328 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-------------------------------|---------------------------|--------|-------------|-------------|-------------|
| Hazardous Materials Abatement | Aerial Lifts | 2 | 8.00 | 63 | 0.31 |
| Hazardous Materials Abatement | Air Compressors | 0 | 0.00 | 78 | 0.48 |
| Hazardous Materials Abatement | Dumpers/Tenders | 1 | 8.00 | 16 | 0.38 |
| Hazardous Materials Abatement | Forklifts | 1 | 8.00 | 89 | 0.20 |
| Hazardous Materials Abatement | Skid Steer Loaders | 1 | 8.00 | 65 | 0.37 |
| Selective Demolition | Aerial Lifts | 2 | 8.00 | 63 | 0.31 |
| Selective Demolition | Concrete/Industrial Saws | 0 | 0.00 | 81 | 0.73 |
| Selective Demolition | Forklifts | 1 | 8.00 | 89 | 0.20 |
| Selective Demolition | Off-Highway Trucks | 1 | 8.00 | 402 | 0.38 |
| Selective Demolition | Rubber Tired Dozers | 0 | 0.00 | 247 | 0.40 |
| Selective Demolition | Skid Steer Loaders | 1 | 8.00 | 65 | 0.37 |
| Selective Demolition | Tractors/Loaders/Backhoes | 0 | 0.00 | 97 | 0.37 |

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| | | | | | |
|-----------------------|------------------------------|---|------|-----|------|
| Interior Construction | Aerial Lifts | 1 | 8.00 | 63 | 0.31 |
| Interior Construction | Cement and Mortar Mixers | 4 | 8.00 | 9 | 0.56 |
| Interior Construction | Cranes | 1 | 8.00 | 231 | 0.29 |
| Interior Construction | Dumpers/Tenders | 1 | 8.00 | 16 | 0.38 |
| Interior Construction | Forklifts | 1 | 8.00 | 89 | 0.20 |
| Interior Construction | Generator Sets | 0 | 0.00 | 84 | 0.74 |
| Interior Construction | Other Construction Equipment | 0 | 0.00 | 172 | 0.42 |
| Interior Construction | Plate Compactors | 2 | 8.00 | 8 | 0.43 |
| Interior Construction | Pumps | 2 | 8.00 | 84 | 0.74 |
| Interior Construction | Tractors/Loaders/Backhoes | 0 | 0.00 | 97 | 0.37 |
| Interior Construction | Welders | 0 | 0.00 | 46 | 0.45 |
| Interior Finishes | Aerial Lifts | 1 | 8.00 | 63 | 0.31 |
| Interior Finishes | Air Compressors | 0 | 0.00 | 78 | 0.48 |
| Interior Finishes | Cement and Mortar Mixers | 4 | 8.00 | 9 | 0.56 |
| Interior Finishes | Dumpers/Tenders | 1 | 8.00 | 16 | 0.38 |
| Interior Finishes | Forklifts | 1 | 8.00 | 89 | 0.20 |
| Interior Finishes | Other Construction Equipment | 0 | 0.00 | 172 | 0.42 |
| Interior Finishes | Plate Compactors | 2 | 8.00 | 8 | 0.43 |
| Interior Finishes | Pumps | 2 | 8.00 | 84 | 0.74 |

Trips and VMT

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-------------------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Hazardous Materials Abatement | 5 | 60.00 | 18.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Selective Demolition | 5 | 60.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Interior Construction | 12 | 80.00 | 18.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Interior Finishes | 11 | 80.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

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3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Hazardous Materials Abatement - 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 | 0.5996 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0267 | 0.2906 | 0.3773 | 5.8000e-004 | | 0.0125 | 0.0125 | | 0.0116 | 0.0116 | 0.0000 | 50.3015 | 50.3015 | 0.0154 | 0.0000 | 50.6857 |
| Total | 0.6262 | 0.2906 | 0.3773 | 5.8000e-004 | | 0.0125 | 0.0125 | | 0.0116 | 0.0116 | 0.0000 | 50.3015 | 50.3015 | 0.0154 | 0.0000 | 50.6857 |

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3.2 Hazardous Materials Abatement - 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 | 4.4300e-003 | 0.1397 | 0.0372 | 3.7000e-004 | 8.9400e-003 | 3.1000e-004 | 9.2500e-003 | 2.5800e-003 | 3.0000e-004 | 2.8800e-003 | 0.0000 | 35.2021 | 35.2021 | 1.5300e-003 | 0.0000 | 35.2405 |
| Worker | 0.0140 | 9.6600e-003 | 0.1036 | 3.3000e-004 | 0.0359 | 2.3000e-004 | 0.0362 | 9.5600e-003 | 2.1000e-004 | 9.7600e-003 | 0.0000 | 29.7413 | 29.7413 | 6.8000e-004 | 0.0000 | 29.7583 |
| Total | 0.0184 | 0.1493 | 0.1408 | 7.0000e-004 | 0.0449 | 5.4000e-004 | 0.0454 | 0.0121 | 5.1000e-004 | 0.0126 | 0.0000 | 64.9434 | 64.9434 | 2.2100e-003 | 0.0000 | 64.9987 |

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 | 0.5996 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0267 | 0.2906 | 0.3773 | 5.8000e-004 | | 0.0125 | 0.0125 | | 0.0116 | 0.0116 | 0.0000 | 50.3014 | 50.3014 | 0.0154 | 0.0000 | 50.6856 |
| Total | 0.6262 | 0.2906 | 0.3773 | 5.8000e-004 | | 0.0125 | 0.0125 | | 0.0116 | 0.0116 | 0.0000 | 50.3014 | 50.3014 | 0.0154 | 0.0000 | 50.6856 |

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3.2 Hazardous Materials Abatement - 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 | 4.4300e-003 | 0.1397 | 0.0372 | 3.7000e-004 | 8.9400e-003 | 3.1000e-004 | 9.2500e-003 | 2.5800e-003 | 3.0000e-004 | 2.8800e-003 | 0.0000 | 35.2021 | 35.2021 | 1.5300e-003 | 0.0000 | 35.2405 |
| Worker | 0.0140 | 9.6600e-003 | 0.1036 | 3.3000e-004 | 0.0359 | 2.3000e-004 | 0.0362 | 9.5600e-003 | 2.1000e-004 | 9.7600e-003 | 0.0000 | 29.7413 | 29.7413 | 6.8000e-004 | 0.0000 | 29.7583 |
| Total | 0.0184 | 0.1493 | 0.1408 | 7.0000e-004 | 0.0449 | 5.4000e-004 | 0.0454 | 0.0121 | 5.1000e-004 | 0.0126 | 0.0000 | 64.9434 | 64.9434 | 2.2100e-003 | 0.0000 | 64.9987 |

3.3 Selective 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 | | | | | |
| Off-Road | 0.0195 | 0.1902 | 0.1837 | 4.4000e-004 | | 7.4900e-003 | 7.4900e-003 | | 6.8900e-003 | 6.8900e-003 | 0.0000 | 38.9580 | 38.9580 | 0.0126 | 0.0000 | 39.2730 |
| Total | 0.0195 | 0.1902 | 0.1837 | 4.4000e-004 | | 7.4900e-003 | 7.4900e-003 | | 6.8900e-003 | 6.8900e-003 | 0.0000 | 38.9580 | 38.9580 | 0.0126 | 0.0000 | 39.2730 |

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3.3 Selective 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 4.0700e-003 | 2.8200e-003 | 0.0302 | 1.0000e-004 | 0.0105 | 7.0000e-005 | 0.0105 | 2.7800e-003 | 6.0000e-005 | 2.8400e-003 | 0.0000 | 8.6664 | 8.6664 | 2.0000e-004 | 0.0000 | 8.6713 |
| Total | 4.0700e-003 | 2.8200e-003 | 0.0302 | 1.0000e-004 | 0.0105 | 7.0000e-005 | 0.0105 | 2.7800e-003 | 6.0000e-005 | 2.8400e-003 | 0.0000 | 8.6664 | 8.6664 | 2.0000e-004 | 0.0000 | 8.6713 |

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 | 0.0195 | 0.1902 | 0.1837 | 4.4000e-004 | | 7.4900e-003 | 7.4900e-003 | | 6.8900e-003 | 6.8900e-003 | 0.0000 | 38.9579 | 38.9579 | 0.0126 | 0.0000 | 39.2729 |
| Total | 0.0195 | 0.1902 | 0.1837 | 4.4000e-004 | | 7.4900e-003 | 7.4900e-003 | | 6.8900e-003 | 6.8900e-003 | 0.0000 | 38.9579 | 38.9579 | 0.0126 | 0.0000 | 39.2729 |

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3.3 Selective 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 4.0700e-003 | 2.8200e-003 | 0.0302 | 1.0000e-004 | 0.0105 | 7.0000e-005 | 0.0105 | 2.7800e-003 | 6.0000e-005 | 2.8400e-003 | 0.0000 | 8.6664 | 8.6664 | 2.0000e-004 | 0.0000 | 8.6713 |
| Total | 4.0700e-003 | 2.8200e-003 | 0.0302 | 1.0000e-004 | 0.0105 | 7.0000e-005 | 0.0105 | 2.7800e-003 | 6.0000e-005 | 2.8400e-003 | 0.0000 | 8.6664 | 8.6664 | 2.0000e-004 | 0.0000 | 8.6713 |

3.4 Interior 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 | 0.0571 | 0.5111 | 0.4498 | 8.8000e-004 | | 0.0245 | 0.0245 | | 0.0237 | 0.0237 | 0.0000 | 73.2688 | 73.2688 | 0.0115 | 0.0000 | 73.5561 |
| Total | 0.0571 | 0.5111 | 0.4498 | 8.8000e-004 | | 0.0245 | 0.0245 | | 0.0237 | 0.0237 | 0.0000 | 73.2688 | 73.2688 | 0.0115 | 0.0000 | 73.5561 |

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3.4 Interior 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 | 1.9400e-003 | 0.0610 | 0.0163 | 1.6000e-004 | 3.9100e-003 | 1.4000e-004 | 4.0400e-003 | 1.1300e-003 | 1.3000e-004 | 1.2600e-003 | 0.0000 | 15.3864 | 15.3864 | 6.7000e-004 | 0.0000 | 15.4031 |
| Worker | 8.1300e-003 | 5.6300e-003 | 0.0604 | 1.9000e-004 | 0.0209 | 1.3000e-004 | 0.0211 | 5.5700e-003 | 1.2000e-004 | 5.6900e-003 | 0.0000 | 17.3327 | 17.3327 | 3.9000e-004 | 0.0000 | 17.3426 |
| Total | 0.0101 | 0.0667 | 0.0766 | 3.5000e-004 | 0.0249 | 2.7000e-004 | 0.0251 | 6.7000e-003 | 2.5000e-004 | 6.9500e-003 | 0.0000 | 32.7191 | 32.7191 | 1.0600e-003 | 0.0000 | 32.7457 |

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 | 0.0571 | 0.5111 | 0.4498 | 8.8000e-004 | | 0.0245 | 0.0245 | | 0.0237 | 0.0237 | 0.0000 | 73.2687 | 73.2687 | 0.0115 | 0.0000 | 73.5560 |
| Total | 0.0571 | 0.5111 | 0.4498 | 8.8000e-004 | | 0.0245 | 0.0245 | | 0.0237 | 0.0237 | 0.0000 | 73.2687 | 73.2687 | 0.0115 | 0.0000 | 73.5560 |

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3.4 Interior 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 | 1.9400e-003 | 0.0610 | 0.0163 | 1.6000e-004 | 3.9100e-003 | 1.4000e-004 | 4.0400e-003 | 1.1300e-003 | 1.3000e-004 | 1.2600e-003 | 0.0000 | 15.3864 | 15.3864 | 6.7000e-004 | 0.0000 | 15.4031 |
| Worker | 8.1300e-003 | 5.6300e-003 | 0.0604 | 1.9000e-004 | 0.0209 | 1.3000e-004 | 0.0211 | 5.5700e-003 | 1.2000e-004 | 5.6900e-003 | 0.0000 | 17.3327 | 17.3327 | 3.9000e-004 | 0.0000 | 17.3426 |
| Total | 0.0101 | 0.0667 | 0.0766 | 3.5000e-004 | 0.0249 | 2.7000e-004 | 0.0251 | 6.7000e-003 | 2.5000e-004 | 6.9500e-003 | 0.0000 | 32.7191 | 32.7191 | 1.0600e-003 | 0.0000 | 32.7457 |

3.4 Interior 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 | 0.0517 | 0.4537 | 0.4323 | 8.5000e-004 | | 0.0211 | 0.0211 | | 0.0205 | 0.0205 | 0.0000 | 71.0511 | 71.0511 | 0.0110 | 0.0000 | 71.3265 |
| Total | 0.0517 | 0.4537 | 0.4323 | 8.5000e-004 | | 0.0211 | 0.0211 | | 0.0205 | 0.0205 | 0.0000 | 71.0511 | 71.0511 | 0.0110 | 0.0000 | 71.3265 |

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3.4 Interior 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 | 1.7500e-003 | 0.0560 | 0.0148 | 1.5000e-004 | 3.7900e-003 | 1.1000e-004 | 3.9000e-003 | 1.1000e-003 | 1.1000e-004 | 1.2000e-003 | 0.0000 | 14.7774 | 14.7774 | 6.2000e-004 | 0.0000 | 14.7929 |
| Worker | 7.3600e-003 | 4.9000e-003 | 0.0538 | 1.8000e-004 | 0.0203 | 1.2000e-004 | 0.0204 | 5.4000e-003 | 1.2000e-004 | 5.5100e-003 | 0.0000 | 16.1970 | 16.1970 | 3.4000e-004 | 0.0000 | 16.2055 |
| Total | 9.1100e-003 | 0.0609 | 0.0687 | 3.3000e-004 | 0.0241 | 2.3000e-004 | 0.0243 | 6.5000e-003 | 2.3000e-004 | 6.7100e-003 | 0.0000 | 30.9743 | 30.9743 | 9.6000e-004 | 0.0000 | 30.9984 |

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 | 0.0517 | 0.4537 | 0.4323 | 8.5000e-004 | | 0.0211 | 0.0211 | | 0.0205 | 0.0205 | 0.0000 | 71.0511 | 71.0511 | 0.0110 | 0.0000 | 71.3265 |
| Total | 0.0517 | 0.4537 | 0.4323 | 8.5000e-004 | | 0.0211 | 0.0211 | | 0.0205 | 0.0205 | 0.0000 | 71.0511 | 71.0511 | 0.0110 | 0.0000 | 71.3265 |

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3.4 Interior 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 | 1.7500e-003 | 0.0560 | 0.0148 | 1.5000e-004 | 3.7900e-003 | 1.1000e-004 | 3.9000e-003 | 1.1000e-003 | 1.1000e-004 | 1.2000e-003 | 0.0000 | 14.7774 | 14.7774 | 6.2000e-004 | 0.0000 | 14.7929 |
| Worker | 7.3600e-003 | 4.9000e-003 | 0.0538 | 1.8000e-004 | 0.0203 | 1.2000e-004 | 0.0204 | 5.4000e-003 | 1.2000e-004 | 5.5100e-003 | 0.0000 | 16.1970 | 16.1970 | 3.4000e-004 | 0.0000 | 16.2055 |
| Total | 9.1100e-003 | 0.0609 | 0.0687 | 3.3000e-004 | 0.0241 | 2.3000e-004 | 0.0243 | 6.5000e-003 | 2.3000e-004 | 6.7100e-003 | 0.0000 | 30.9743 | 30.9743 | 9.6000e-004 | 0.0000 | 30.9984 |

3.5 Interior Finishes - 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 | 0.2475 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0296 | 0.2394 | 0.2621 | 4.7000e-004 | | 0.0123 | 0.0123 | | 0.0121 | 0.0121 | 0.0000 | 38.5512 | 38.5512 | 4.1500e-003 | 0.0000 | 38.6549 |
| Total | 0.2771 | 0.2394 | 0.2621 | 4.7000e-004 | | 0.0123 | 0.0123 | | 0.0121 | 0.0121 | 0.0000 | 38.5512 | 38.5512 | 4.1500e-003 | 0.0000 | 38.6549 |

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3.5 Interior Finishes - 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 | 5.5500e-003 | 3.8400e-003 | 0.0412 | 1.3000e-004 | 0.0143 | 9.0000e-005 | 0.0144 | 3.8000e-003 | 8.0000e-005 | 3.8800e-003 | 0.0000 | 11.8178 | 11.8178 | 2.7000e-004 | 0.0000 | 11.8245 |
| Total | 5.5500e-003 | 3.8400e-003 | 0.0412 | 1.3000e-004 | 0.0143 | 9.0000e-005 | 0.0144 | 3.8000e-003 | 8.0000e-005 | 3.8800e-003 | 0.0000 | 11.8178 | 11.8178 | 2.7000e-004 | 0.0000 | 11.8245 |

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 | 0.2475 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0296 | 0.2394 | 0.2621 | 4.7000e-004 | | 0.0123 | 0.0123 | | 0.0121 | 0.0121 | 0.0000 | 38.5512 | 38.5512 | 4.1500e-003 | 0.0000 | 38.6548 |
| Total | 0.2771 | 0.2394 | 0.2621 | 4.7000e-004 | | 0.0123 | 0.0123 | | 0.0121 | 0.0121 | 0.0000 | 38.5512 | 38.5512 | 4.1500e-003 | 0.0000 | 38.6548 |

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3.5 Interior Finishes - 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 | 5.5500e-003 | 3.8400e-003 | 0.0412 | 1.3000e-004 | 0.0143 | 9.0000e-005 | 0.0144 | 3.8000e-003 | 8.0000e-005 | 3.8800e-003 | 0.0000 | 11.8178 | 11.8178 | 2.7000e-004 | 0.0000 | 11.8245 |
| Total | 5.5500e-003 | 3.8400e-003 | 0.0412 | 1.3000e-004 | 0.0143 | 9.0000e-005 | 0.0144 | 3.8000e-003 | 8.0000e-005 | 3.8800e-003 | 0.0000 | 11.8178 | 11.8178 | 2.7000e-004 | 0.0000 | 11.8245 |

3.5 Interior Finishes - 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 | 0.3520 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0398 | 0.3198 | 0.3717 | 6.7000e-004 | | 0.0156 | 0.0156 | | 0.0153 | 0.0153 | 0.0000 | 54.8283 | 54.8283 | 5.7700e-003 | 0.0000 | 54.9726 |
| Total | 0.3918 | 0.3198 | 0.3717 | 6.7000e-004 | | 0.0156 | 0.0156 | | 0.0153 | 0.0153 | 0.0000 | 54.8283 | 54.8283 | 5.7700e-003 | 0.0000 | 54.9726 |

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3.5 Interior Finishes - 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 | 7.3600e-003 | 4.9000e-003 | 0.0538 | 1.8000e-004 | 0.0203 | 1.2000e-004 | 0.0204 | 5.4000e-003 | 1.2000e-004 | 5.5100e-003 | 0.0000 | 16.1970 | 16.1970 | 3.4000e-004 | 0.0000 | 16.2055 |
| Total | 7.3600e-003 | 4.9000e-003 | 0.0538 | 1.8000e-004 | 0.0203 | 1.2000e-004 | 0.0204 | 5.4000e-003 | 1.2000e-004 | 5.5100e-003 | 0.0000 | 16.1970 | 16.1970 | 3.4000e-004 | 0.0000 | 16.2055 |

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 | 0.3520 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0398 | 0.3198 | 0.3717 | 6.7000e-004 | | 0.0156 | 0.0156 | | 0.0153 | 0.0153 | 0.0000 | 54.8283 | 54.8283 | 5.7700e-003 | 0.0000 | 54.9725 |
| Total | 0.3918 | 0.3198 | 0.3717 | 6.7000e-004 | | 0.0156 | 0.0156 | | 0.0153 | 0.0153 | 0.0000 | 54.8283 | 54.8283 | 5.7700e-003 | 0.0000 | 54.9725 |

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3.5 Interior Finishes - 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 | 7.3600e-003 | 4.9000e-003 | 0.0538 | 1.8000e-004 | 0.0203 | 1.2000e-004 | 0.0204 | 5.4000e-003 | 1.2000e-004 | 5.5100e-003 | 0.0000 | 16.1970 | 16.1970 | 3.4000e-004 | 0.0000 | 16.2055 |
| Total | 7.3600e-003 | 4.9000e-003 | 0.0538 | 1.8000e-004 | 0.0203 | 1.2000e-004 | 0.0204 | 5.4000e-003 | 1.2000e-004 | 5.5100e-003 | 0.0000 | 16.1970 | 16.1970 | 3.4000e-004 | 0.0000 | 16.2055 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

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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 | 0.1716 | 0.6982 | 1.8372 | 6.0800e-003 | 0.5523 | 5.2400e-003 | 0.5576 | 0.1479 | 4.8900e-003 | 0.1527 | 0.0000 | 557.1935 | 557.1935 | 0.0197 | 0.0000 | 557.6855 |
| Unmitigated | 0.1852 | 0.7901 | 2.1808 | 7.5900e-003 | 0.7013 | 6.4300e-003 | 0.7077 | 0.1877 | 6.0100e-003 | 0.1937 | 0.0000 | 694.6961 | 694.6961 | 0.0233 | 0.0000 | 695.2790 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|-------------------------|-------------------------|----------|--------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| General Office Building | 1,104.81 | 0.00 | 0.00 | 1,885,870 | 1,485,330 |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Total | 1,104.81 | 0.00 | 0.00 | 1,885,870 | 1,485,330 |

4.3 Trip Type Information

| Land Use | Miles | | | Trip % | | | Trip Purpose % | | |
|-------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
| | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| General Office Building | 9.50 | 7.30 | 7.30 | 33.00 | 48.00 | 19.00 | 77 | 19 | 4 |
| Parking Lot | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|-------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| General Office Building | 0.610498 | 0.036775 | 0.183084 | 0.106123 | 0.014413 | 0.005007 | 0.012610 | 0.021118 | 0.002144 | 0.001548 | 0.005312 | 0.000627 | 0.000740 |
| Parking Lot | 0.610498 | 0.036775 | 0.183084 | 0.106123 | 0.014413 | 0.005007 | 0.012610 | 0.021118 | 0.002144 | 0.001548 | 0.005312 | 0.000627 | 0.000740 |

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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 | 190.2474 | 190.2474 | 0.0268 | 5.5400e-003 | 192.5682 |
| Electricity Unmitigated | | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 190.2474 | 190.2474 | 0.0268 | 5.5400e-003 | 192.5682 |
| NaturalGas Mitigated | 0.0100 | 0.0910 | 0.0765 | 5.5000e-004 | | 6.9200e-003 | 6.9200e-003 | | 6.9200e-003 | 6.9200e-003 | 0.0000 | 99.0885 | 99.0885 | 1.9000e-003 | 1.8200e-003 | 99.6774 |
| NaturalGas Unmitigated | 0.0100 | 0.0910 | 0.0765 | 5.5000e-004 | | 6.9200e-003 | 6.9200e-003 | | 6.9200e-003 | 6.9200e-003 | 0.0000 | 99.0885 | 99.0885 | 1.9000e-003 | 1.8200e-003 | 99.6774 |

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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 | | | | | |
| General Office Building | 1.85685e+006 | 0.0100 | 0.0910 | 0.0765 | 5.5000e-004 | | 6.9200e-003 | 6.9200e-003 | | 6.9200e-003 | 6.9200e-003 | 0.0000 | 99.0885 | 99.0885 | 1.9000e-003 | 1.8200e-003 | 99.6774 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0100 | 0.0910 | 0.0765 | 5.5000e-004 | | 6.9200e-003 | 6.9200e-003 | | 6.9200e-003 | 6.9200e-003 | 0.0000 | 99.0885 | 99.0885 | 1.9000e-003 | 1.8200e-003 | 99.6774 |

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 | | | | | |
| General Office Building | 1.85685e+006 | 0.0100 | 0.0910 | 0.0765 | 5.5000e-004 | | 6.9200e-003 | 6.9200e-003 | | 6.9200e-003 | 6.9200e-003 | 0.0000 | 99.0885 | 99.0885 | 1.9000e-003 | 1.8200e-003 | 99.6774 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0100 | 0.0910 | 0.0765 | 5.5000e-004 | | 6.9200e-003 | 6.9200e-003 | | 6.9200e-003 | 6.9200e-003 | 0.0000 | 99.0885 | 99.0885 | 1.9000e-003 | 1.8200e-003 | 99.6774 |

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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 | | | |
| General Office Building | 2.02246e+006 | 188.9784 | 0.0266 | 5.5000e-003 | 191.2838 |
| Parking Lot | 13580 | 1.2689 | 1.8000e-004 | 4.0000e-005 | 1.2844 |
| Total | | 190.2474 | 0.0268 | 5.5400e-003 | 192.5682 |

Mitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|-----------------|-----------------|---------------|--------------------|-----------------|
| Land Use | kWh/yr | MT/yr | | | |
| General Office Building | 2.02246e+006 | 188.9784 | 0.0266 | 5.5000e-003 | 191.2838 |
| Parking Lot | 13580 | 1.2689 | 1.8000e-004 | 4.0000e-005 | 1.2844 |
| Total | | 190.2474 | 0.0268 | 5.5400e-003 | 192.5682 |

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 | 0.5057 | 2.0000e-005 | 1.9400e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 3.7600e-003 | 3.7600e-003 | 1.0000e-005 | 0.0000 | 4.0100e-003 |
| Unmitigated | 0.5057 | 2.0000e-005 | 1.9400e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 3.7600e-003 | 3.7600e-003 | 1.0000e-005 | 0.0000 | 4.0100e-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 | 0.0600 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.4455 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 1.8000e-004 | 2.0000e-005 | 1.9400e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 3.7600e-003 | 3.7600e-003 | 1.0000e-005 | 0.0000 | 4.0100e-003 |
| Total | 0.5057 | 2.0000e-005 | 1.9400e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 3.7600e-003 | 3.7600e-003 | 1.0000e-005 | 0.0000 | 4.0100e-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 | 0.0600 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.4455 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 1.8000e-004 | 2.0000e-005 | 1.9400e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 3.7600e-003 | 3.7600e-003 | 1.0000e-005 | 0.0000 | 4.0100e-003 |
| Total | 0.5057 | 2.0000e-005 | 1.9400e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 3.7600e-003 | 3.7600e-003 | 1.0000e-005 | 0.0000 | 4.0100e-003 |

7.0 Water Detail

7.1 Mitigation Measures Water

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| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|--------|---------|
| Category | MT/yr | | | |
| Mitigated | 20.6301 | 0.6589 | 0.0159 | 41.8493 |
| Unmitigated | 20.6301 | 0.6589 | 0.0159 | 41.8493 |

7.2 Water by Land Use

Unmitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|--------------------|----------------|---------------|---------------|----------------|
| Land Use | Mgal | MT/yr | | | |
| General Office Building | 20.1603 / 12.3563 | 20.6301 | 0.6589 | 0.0159 | 41.8493 |
| Parking Lot | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 20.6301 | 0.6589 | 0.0159 | 41.8493 |

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7.2 Water by Land Use

Mitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|--------------------|----------------|---------------|---------------|----------------|
| Land Use | Mgal | MT/yr | | | |
| General Office Building | 20.1603 / 12.3563 | 20.6301 | 0.6589 | 0.0159 | 41.8493 |
| Parking Lot | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 20.6301 | 0.6589 | 0.0159 | 41.8493 |

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|--------|---------|
| | MT/yr | | | |
| Mitigated | 21.4135 | 1.2655 | 0.0000 | 53.0511 |
| Unmitigated | 21.4135 | 1.2655 | 0.0000 | 53.0511 |

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8.2 Waste by Land Use

Unmitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|----------------|----------------|---------------|---------------|----------------|
| Land Use | tons | MT/yr | | | |
| General Office Building | 105.49 | 21.4135 | 1.2655 | 0.0000 | 53.0511 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 21.4135 | 1.2655 | 0.0000 | 53.0511 |

Mitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|----------------|----------------|---------------|---------------|----------------|
| Land Use | tons | MT/yr | | | |
| General Office Building | 105.49 | 21.4135 | 1.2655 | 0.0000 | 53.0511 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 21.4135 | 1.2655 | 0.0000 | 53.0511 |

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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**Former City Hall Alternative 2 Residential Reuse
Santa Clara County, Annual**

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|------------------------------|--------|------------------------|-------------|--------------------|------------|
| Parking Lot | 97.00 | Space | 0.87 | 38,800.00 | 0 |
| ----- Apartments Mid Rise | 108.00 | ----- Dwelling Unit | 1.10 | 113,430.00 | 309 |

1.2 Other Project Characteristics

| | | | | | |
|---------------------------------|--------------------------------|---------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 58 |
| Climate Zone | 4 | | | Operational Year | 2023 |
| Utility Company | Pacific Gas & Electric Company | | | | |
| CO2 Intensity (lb/MW hr) | 206 | CH4 Intensity (lb/MW hr) | 0.029 | N2O Intensity (lb/MW hr) | 0.006 |

1.3 User Entered Comments & Non-Default Data

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Project Characteristics - Updated CO2 intensity based on PG&E 2020 CRSR

Land Use - Project specific acreage and square footage of building.

Construction Phase - Project specific schedule based on construction duration of 18-24 months.

Off-road Equipment - Concrete vibrator modeled as plate compactor.

Off-road Equipment - Project specific equipment.

Off-road Equipment - Vibratory roller modeled as plate compactor.

Off-road Equipment - Concrete vibrator modeled as plate compactor.

Off-road Equipment - Project specific equipment. Dump truck modeled as off-highway truck to account for potential off-haul.

Trips and VMT - Assumes maximum between 30-40 workers per day. Includes vendor truck trip rate based on CalEEMod default for residential land uses.

Vehicle Trips - Updated per 10th gen. ITE trip rates for approximately 822 daily vehicle trips.

Woodstoves - Assumes no woodstove or wood fireplaces.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes watering twice per day per BAAQMD fugitive dust control.

Mobile Land Use Mitigation - Increases transit accessibility to adjacent Civic Center Station.

| Table Name | Column Name | Default Value | New Value |
|----------------------|----------------------------|---------------|------------|
| tblConstructionPhase | NumDays | 10.00 | 151.00 |
| tblConstructionPhase | NumDays | 10.00 | 131.00 |
| tblConstructionPhase | NumDays | 200.00 | 173.00 |
| tblConstructionPhase | NumDays | 200.00 | 173.00 |
| tblConstructionPhase | NumDays | 20.00 | 44.00 |
| tblFireplaces | NumberGas | 16.50 | 35.00 |
| tblFireplaces | NumberWood | 18.70 | 0.00 |
| tblLandUse | LandUseSquareFeet | 108,000.00 | 113,430.00 |
| tblLandUse | LotAcreage | 2.84 | 1.10 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |

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| | | | |
|---------------------|----------------------------|------|-----------------------------------|
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 2.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | PhaseName | | Selective Demolition |
| tblOffRoadEquipment | PhaseName | | Alterations to Building Structure |
| tblOffRoadEquipment | PhaseName | | Interior Construction |
| tblOffRoadEquipment | PhaseName | | Interior Finishes |
| tblOffRoadEquipment | PhaseName | | Alterations to Building Structure |
| tblOffRoadEquipment | PhaseName | | Interior Construction |
| tblOffRoadEquipment | PhaseName | | Interior Finishes |
| tblOffRoadEquipment | PhaseName | | Alterations to Building Structure |
| tblOffRoadEquipment | PhaseName | | Interior Construction |
| tblOffRoadEquipment | PhaseName | | Interior Finishes |
| tblOffRoadEquipment | PhaseName | | Selective Demolition |
| tblOffRoadEquipment | PhaseName | | Interior Finishes |
| tblOffRoadEquipment | PhaseName | | Selective Demolition |
| tblOffRoadEquipment | PhaseName | | Alterations to Building Structure |
| tblOffRoadEquipment | PhaseName | | Interior Construction |
| tblOffRoadEquipment | PhaseName | | Alterations to Building Structure |
| tblOffRoadEquipment | PhaseName | | Interior Construction |
| tblOffRoadEquipment | PhaseName | | Interior Finishes |
| tblOffRoadEquipment | PhaseName | | Alterations to Building Structure |
| tblOffRoadEquipment | PhaseName | | Interior Construction |
| tblOffRoadEquipment | PhaseName | | Interior Finishes |
| tblOffRoadEquipment | PhaseName | | Selective Demolition |
| tblOffRoadEquipment | UsageHours | 6.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 6.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 0.00 |

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| | | | |
|---------------------------|--------------------|--------|-------|
| tblOffRoadEquipment | UsageHours | 6.00 | 8.00 |
| tblOffRoadEquipment | UsageHours | 6.00 | 8.00 |
| tblOffRoadEquipment | UsageHours | 6.00 | 8.00 |
| tblOffRoadEquipment | UsageHours | 6.00 | 8.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 6.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 6.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 0.00 |
| tblProjectCharacteristics | CO2IntensityFactor | 641.35 | 206 |
| tblTripsAndVMT | VendorTripNumber | 0.00 | 12.00 |
| tblTripsAndVMT | VendorTripNumber | 18.00 | 12.00 |
| tblTripsAndVMT | VendorTripNumber | 18.00 | 12.00 |
| tblTripsAndVMT | WorkerTripNumber | 19.00 | 60.00 |
| tblTripsAndVMT | WorkerTripNumber | 13.00 | 60.00 |
| tblTripsAndVMT | WorkerTripNumber | 96.00 | 80.00 |
| tblTripsAndVMT | WorkerTripNumber | 96.00 | 80.00 |
| tblTripsAndVMT | WorkerTripNumber | 19.00 | 80.00 |
| tblVehicleTrips | ST_TR | 6.39 | 7.61 |
| tblVehicleTrips | SU_TR | 5.86 | 7.61 |
| tblVehicleTrips | WD_TR | 6.65 | 7.61 |
| tblWoodstoves | NumberCatalytic | 2.20 | 0.00 |
| tblWoodstoves | NumberNoncatalytic | 2.20 | 0.00 |

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2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Year | tons/yr | | | | | | | | | | MT/yr | | | | | |
| 2021 | 0.9607 | 1.3336 | 1.4380 | 3.2900e-003 | 0.0841 | 0.0532 | 0.1373 | 0.0226 | 0.0506 | 0.0732 | 0.0000 | 288.9859 | 288.9859 | 0.0478 | 0.0000 | 290.1797 |
| 2022 | 1.1404 | 2.6463 | 2.8884 | 6.3100e-003 | 0.1332 | 0.1167 | 0.2499 | 0.0357 | 0.1135 | 0.1492 | 0.0000 | 538.2848 | 538.2848 | 0.0618 | 0.0000 | 539.8306 |
| Maximum | 1.1404 | 2.6463 | 2.8884 | 6.3100e-003 | 0.1332 | 0.1167 | 0.2499 | 0.0357 | 0.1135 | 0.1492 | 0.0000 | 538.2848 | 538.2848 | 0.0618 | 0.0000 | 539.8306 |

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 | 0.9607 | 1.3336 | 1.4380 | 3.2900e-003 | 0.0841 | 0.0532 | 0.1373 | 0.0226 | 0.0506 | 0.0732 | 0.0000 | 288.9857 | 288.9857 | 0.0478 | 0.0000 | 290.1795 |
| 2022 | 1.1404 | 2.6463 | 2.8884 | 6.3100e-003 | 0.1332 | 0.1167 | 0.2499 | 0.0357 | 0.1135 | 0.1492 | 0.0000 | 538.2843 | 538.2843 | 0.0618 | 0.0000 | 539.8301 |
| Maximum | 1.1404 | 2.6463 | 2.8884 | 6.3100e-003 | 0.1332 | 0.1167 | 0.2499 | 0.0357 | 0.1135 | 0.1492 | 0.0000 | 538.2843 | 538.2843 | 0.0618 | 0.0000 | 539.8301 |

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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 | 0.5304 | 0.5304 |
| 2 | 4-1-2021 | 6-30-2021 | 0.5346 | 0.5346 |
| 3 | 7-1-2021 | 9-30-2021 | 0.3906 | 0.3906 |
| 4 | 10-1-2021 | 12-31-2021 | 0.8254 | 0.8254 |
| 5 | 1-1-2022 | 3-31-2022 | 1.1114 | 1.1114 |
| 6 | 4-1-2022 | 6-30-2022 | 0.9367 | 0.9367 |
| 7 | 7-1-2022 | 9-30-2022 | 0.9659 | 0.9659 |
| | | Highest | 1.1114 | 1.1114 |

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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 | 0.5509 | 0.0130 | 0.8046 | 7.0000e-005 | | 4.7500e-003 | 4.7500e-003 | | 4.7500e-003 | 4.7500e-003 | 0.0000 | 5.6810 | 5.6810 | 1.3500e-003 | 8.0000e-005 | 5.7386 |
| Energy | 5.0300e-003 | 0.0430 | 0.0183 | 2.7000e-004 | | 3.4800e-003 | 3.4800e-003 | | 3.4800e-003 | 3.4800e-003 | 0.0000 | 92.7219 | 92.7219 | 7.0000e-003 | 2.1600e-003 | 93.5415 |
| Mobile | 0.1750 | 0.6588 | 2.0563 | 7.3900e-003 | 0.7059 | 5.7400e-003 | 0.7117 | 0.1890 | 5.3500e-003 | 0.1943 | 0.0000 | 676.8303 | 676.8303 | 0.0216 | 0.0000 | 677.3697 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 10.2713 | 0.0000 | 10.2713 | 0.6070 | 0.0000 | 25.4468 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 2.2737 | 5.1013 | 7.3750 | 0.2343 | 5.6600e-003 | 14.9189 |
| Total | 0.7309 | 0.7148 | 2.8792 | 7.7300e-003 | 0.7059 | 0.0140 | 0.7199 | 0.1890 | 0.0136 | 0.2025 | 12.5451 | 780.3345 | 792.8796 | 0.8712 | 7.9000e-003 | 817.0155 |

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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 | 0.5509 | 0.0130 | 0.8046 | 7.0000e-005 | | 4.7500e-003 | 4.7500e-003 | | 4.7500e-003 | 4.7500e-003 | 0.0000 | 5.6810 | 5.6810 | 1.3500e-003 | 8.0000e-005 | 5.7386 |
| Energy | 5.0300e-003 | 0.0430 | 0.0183 | 2.7000e-004 | | 3.4800e-003 | 3.4800e-003 | | 3.4800e-003 | 3.4800e-003 | 0.0000 | 92.7219 | 92.7219 | 7.0000e-003 | 2.1600e-003 | 93.5415 |
| Mobile | 0.1625 | 0.5889 | 1.7328 | 5.9300e-003 | 0.5560 | 4.6900e-003 | 0.5607 | 0.1488 | 4.3700e-003 | 0.1532 | 0.0000 | 543.2614 | 543.2614 | 0.0181 | 0.0000 | 543.7148 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 10.2713 | 0.0000 | 10.2713 | 0.6070 | 0.0000 | 25.4468 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 2.2737 | 5.1013 | 7.3750 | 0.2343 | 5.6600e-003 | 14.9189 |
| Total | 0.7184 | 0.6449 | 2.5557 | 6.2700e-003 | 0.5560 | 0.0129 | 0.5689 | 0.1488 | 0.0126 | 0.1614 | 12.5451 | 646.7657 | 659.3108 | 0.8678 | 7.9000e-003 | 683.3606 |

| | ROG | NOx | CO | SO2 | 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 | 1.70 | 9.78 | 11.24 | 18.89 | 21.24 | 7.52 | 20.97 | 21.24 | 7.22 | 20.30 | 0.00 | 17.12 | 16.85 | 0.40 | 0.00 | 16.36 |

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 | Hazardous Materials Abatement | Architectural Coating | 1/1/2021 | 7/30/2021 | 5 | 151 | |
| 2 | Selective Demolition | Demolition | 8/1/2021 | 9/30/2021 | 5 | 44 | |
| 3 | Alterations to Building Structure | Building Construction | 10/1/2021 | 5/31/2022 | 5 | 173 | |
| 4 | Interior Construction | Building Construction | 12/1/2021 | 7/29/2022 | 5 | 173 | |
| 5 | Interior Finishes | Architectural Coating | 7/1/2022 | 12/30/2022 | 5 | 131 | |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.87

Residential Indoor: 229,696; Residential Outdoor: 76,565; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 2,328 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-------------------------------|--------------------------|--------|-------------|-------------|-------------|
| Hazardous Materials Abatement | Aerial Lifts | 2 | 8.00 | 63 | 0.31 |
| Hazardous Materials Abatement | Air Compressors | 0 | 0.00 | 78 | 0.48 |
| Hazardous Materials Abatement | Dumpers/Tenders | 1 | 8.00 | 16 | 0.38 |
| Hazardous Materials Abatement | Forklifts | 1 | 8.00 | 89 | 0.20 |
| Hazardous Materials Abatement | Skid Steer Loaders | 1 | 8.00 | 65 | 0.37 |
| Selective Demolition | Aerial Lifts | 2 | 8.00 | 63 | 0.31 |
| Selective Demolition | Concrete/Industrial Saws | 0 | 0.00 | 81 | 0.73 |
| Selective Demolition | Forklifts | 1 | 8.00 | 89 | 0.20 |
| Selective Demolition | Off-Highway Trucks | 1 | 8.00 | 402 | 0.38 |
| Selective Demolition | Rubber Tired Dozers | 0 | 0.00 | 247 | 0.40 |
| Selective Demolition | Skid Steer Loaders | 1 | 8.00 | 65 | 0.37 |

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| | | | | | |
|-----------------------------------|------------------------------|---|------|-----|------|
| Selective Demolition | Tractors/Loaders/Backhoes | 0 | 0.00 | 97 | 0.37 |
| Alterations to Building Structure | Aerial Lifts | 2 | 8.00 | 63 | 0.31 |
| Alterations to Building Structure | Cement and Mortar Mixers | 2 | 8.00 | 9 | 0.56 |
| Alterations to Building Structure | Cranes | 1 | 8.00 | 231 | 0.29 |
| Alterations to Building Structure | Dumpers/Tenders | 1 | 8.00 | 16 | 0.38 |
| Alterations to Building Structure | Forklifts | 1 | 8.00 | 89 | 0.20 |
| Alterations to Building Structure | Generator Sets | 0 | 0.00 | 84 | 0.74 |
| Alterations to Building Structure | Other Construction Equipment | 0 | 0.00 | 172 | 0.42 |
| Alterations to Building Structure | Plate Compactors | 2 | 8.00 | 8 | 0.43 |
| Alterations to Building Structure | Pumps | 2 | 8.00 | 84 | 0.74 |
| Alterations to Building Structure | Tractors/Loaders/Backhoes | 0 | 0.00 | 97 | 0.37 |
| Alterations to Building Structure | Welders | 0 | 0.00 | 46 | 0.45 |
| Interior Construction | Aerial Lifts | 1 | 8.00 | 63 | 0.31 |
| Interior Construction | Cement and Mortar Mixers | 4 | 8.00 | 9 | 0.56 |
| Interior Construction | Cranes | 1 | 8.00 | 231 | 0.29 |
| Interior Construction | Dumpers/Tenders | 1 | 8.00 | 16 | 0.38 |
| Interior Construction | Forklifts | 1 | 8.00 | 89 | 0.20 |
| Interior Construction | Generator Sets | 0 | 0.00 | 84 | 0.74 |
| Interior Construction | Other Construction Equipment | 0 | 0.00 | 172 | 0.42 |
| Interior Construction | Plate Compactors | 2 | 8.00 | 8 | 0.43 |
| Interior Construction | Pumps | 2 | 8.00 | 84 | 0.74 |
| Interior Construction | Tractors/Loaders/Backhoes | 0 | 0.00 | 97 | 0.37 |
| Interior Construction | Welders | 0 | 0.00 | 46 | 0.45 |
| Interior Finishes | Aerial Lifts | 1 | 8.00 | 63 | 0.31 |
| Interior Finishes | Air Compressors | 0 | 0.00 | 78 | 0.48 |
| Interior Finishes | Cement and Mortar Mixers | 4 | 8.00 | 9 | 0.56 |
| Interior Finishes | Dumpers/Tenders | 1 | 8.00 | 16 | 0.38 |

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| | | | | | |
|-------------------|------------------|---|------|----|------|
| Interior Finishes | Forklifts | 1 | 8.00 | 89 | 0.20 |
| Interior Finishes | Plate Compactors | 2 | 8.00 | 8 | 0.43 |
| Interior Finishes | Pumps | 2 | 8.00 | 84 | 0.74 |

Trips and VMT

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Hazardous Materials Abatement | 5 | 60.00 | 12.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Selective Demolition | 5 | 60.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Alterations to Building Structure | 11 | 80.00 | 12.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Interior Construction | 12 | 80.00 | 12.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Interior Finishes | 11 | 80.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

Water Exposed Area

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3.2 Hazardous Materials Abatement - 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 | 0.8066 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0267 | 0.2906 | 0.3773 | 5.8000e-004 | | 0.0125 | 0.0125 | | 0.0116 | 0.0116 | 0.0000 | 50.3015 | 50.3015 | 0.0154 | 0.0000 | 50.6857 |
| Total | 0.8332 | 0.2906 | 0.3773 | 5.8000e-004 | | 0.0125 | 0.0125 | | 0.0116 | 0.0116 | 0.0000 | 50.3015 | 50.3015 | 0.0154 | 0.0000 | 50.6857 |

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 | 2.9500e-003 | 0.0931 | 0.0248 | 2.4000e-004 | 5.9600e-003 | 2.1000e-004 | 6.1700e-003 | 1.7200e-003 | 2.0000e-004 | 1.9200e-003 | 0.0000 | 23.4681 | 23.4681 | 1.0200e-003 | 0.0000 | 23.4936 |
| Worker | 0.0140 | 9.6600e-003 | 0.1036 | 3.3000e-004 | 0.0359 | 2.3000e-004 | 0.0362 | 9.5600e-003 | 2.1000e-004 | 9.7600e-003 | 0.0000 | 29.7413 | 29.7413 | 6.8000e-004 | 0.0000 | 29.7583 |
| Total | 0.0169 | 0.1028 | 0.1284 | 5.7000e-004 | 0.0419 | 4.4000e-004 | 0.0423 | 0.0113 | 4.1000e-004 | 0.0117 | 0.0000 | 53.2094 | 53.2094 | 1.7000e-003 | 0.0000 | 53.2519 |

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3.2 Hazardous Materials Abatement - 2021

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 0.8066 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0267 | 0.2906 | 0.3773 | 5.8000e-004 | | 0.0125 | 0.0125 | | 0.0116 | 0.0116 | 0.0000 | 50.3014 | 50.3014 | 0.0154 | 0.0000 | 50.6856 |
| Total | 0.8332 | 0.2906 | 0.3773 | 5.8000e-004 | | 0.0125 | 0.0125 | | 0.0116 | 0.0116 | 0.0000 | 50.3014 | 50.3014 | 0.0154 | 0.0000 | 50.6856 |

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 | 2.9500e-003 | 0.0931 | 0.0248 | 2.4000e-004 | 5.9600e-003 | 2.1000e-004 | 6.1700e-003 | 1.7200e-003 | 2.0000e-004 | 1.9200e-003 | 0.0000 | 23.4681 | 23.4681 | 1.0200e-003 | 0.0000 | 23.4936 |
| Worker | 0.0140 | 9.6600e-003 | 0.1036 | 3.3000e-004 | 0.0359 | 2.3000e-004 | 0.0362 | 9.5600e-003 | 2.1000e-004 | 9.7600e-003 | 0.0000 | 29.7413 | 29.7413 | 6.8000e-004 | 0.0000 | 29.7583 |
| Total | 0.0169 | 0.1028 | 0.1284 | 5.7000e-004 | 0.0419 | 4.4000e-004 | 0.0423 | 0.0113 | 4.1000e-004 | 0.0117 | 0.0000 | 53.2094 | 53.2094 | 1.7000e-003 | 0.0000 | 53.2519 |

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3.3 Selective 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 | | | | | |
| Off-Road | 0.0195 | 0.1902 | 0.1837 | 4.4000e-004 | | 7.4900e-003 | 7.4900e-003 | | 6.8900e-003 | 6.8900e-003 | 0.0000 | 38.9580 | 38.9580 | 0.0126 | 0.0000 | 39.2730 |
| Total | 0.0195 | 0.1902 | 0.1837 | 4.4000e-004 | | 7.4900e-003 | 7.4900e-003 | | 6.8900e-003 | 6.8900e-003 | 0.0000 | 38.9580 | 38.9580 | 0.0126 | 0.0000 | 39.2730 |

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 | 4.0700e-003 | 2.8200e-003 | 0.0302 | 1.0000e-004 | 0.0105 | 7.0000e-005 | 0.0105 | 2.7800e-003 | 6.0000e-005 | 2.8400e-003 | 0.0000 | 8.6664 | 8.6664 | 2.0000e-004 | 0.0000 | 8.6713 |
| Total | 4.0700e-003 | 2.8200e-003 | 0.0302 | 1.0000e-004 | 0.0105 | 7.0000e-005 | 0.0105 | 2.7800e-003 | 6.0000e-005 | 2.8400e-003 | 0.0000 | 8.6664 | 8.6664 | 2.0000e-004 | 0.0000 | 8.6713 |

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3.3 Selective Demolition - 2021

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0195 | 0.1902 | 0.1837 | 4.4000e-004 | | 7.4900e-003 | 7.4900e-003 | | 6.8900e-003 | 6.8900e-003 | 0.0000 | 38.9579 | 38.9579 | 0.0126 | 0.0000 | 39.2729 |
| Total | 0.0195 | 0.1902 | 0.1837 | 4.4000e-004 | | 7.4900e-003 | 7.4900e-003 | | 6.8900e-003 | 6.8900e-003 | 0.0000 | 38.9579 | 38.9579 | 0.0126 | 0.0000 | 39.2729 |

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 | 4.0700e-003 | 2.8200e-003 | 0.0302 | 1.0000e-004 | 0.0105 | 7.0000e-005 | 0.0105 | 2.7800e-003 | 6.0000e-005 | 2.8400e-003 | 0.0000 | 8.6664 | 8.6664 | 2.0000e-004 | 0.0000 | 8.6713 |
| Total | 4.0700e-003 | 2.8200e-003 | 0.0302 | 1.0000e-004 | 0.0105 | 7.0000e-005 | 0.0105 | 2.7800e-003 | 6.0000e-005 | 2.8400e-003 | 0.0000 | 8.6664 | 8.6664 | 2.0000e-004 | 0.0000 | 8.6713 |

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3.4 Alterations to Building Structure - 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 | 0.0544 | 0.5067 | 0.4656 | 8.9000e-004 | | 0.0239 | 0.0239 | | 0.0231 | 0.0231 | 0.0000 | 75.1125 | 75.1125 | 0.0128 | 0.0000 | 75.4313 |
| Total | 0.0544 | 0.5067 | 0.4656 | 8.9000e-004 | | 0.0239 | 0.0239 | | 0.0231 | 0.0231 | 0.0000 | 75.1125 | 75.1125 | 0.0128 | 0.0000 | 75.4313 |

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 | 1.2900e-003 | 0.0407 | 0.0108 | 1.1000e-004 | 2.6100e-003 | 9.0000e-005 | 2.7000e-003 | 7.5000e-004 | 9.0000e-005 | 8.4000e-004 | 0.0000 | 10.2576 | 10.2576 | 4.5000e-004 | 0.0000 | 10.2687 |
| Worker | 8.1300e-003 | 5.6300e-003 | 0.0604 | 1.9000e-004 | 0.0209 | 1.3000e-004 | 0.0211 | 5.5700e-003 | 1.2000e-004 | 5.6900e-003 | 0.0000 | 17.3327 | 17.3327 | 3.9000e-004 | 0.0000 | 17.3426 |
| Total | 9.4200e-003 | 0.0463 | 0.0712 | 3.0000e-004 | 0.0236 | 2.2000e-004 | 0.0238 | 6.3200e-003 | 2.1000e-004 | 6.5300e-003 | 0.0000 | 27.5903 | 27.5903 | 8.4000e-004 | 0.0000 | 27.6113 |

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3.4 Alterations to Building Structure - 2021

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0544 | 0.5067 | 0.4656 | 8.9000e-004 | | 0.0239 | 0.0239 | | 0.0231 | 0.0231 | 0.0000 | 75.1125 | 75.1125 | 0.0128 | 0.0000 | 75.4312 |
| Total | 0.0544 | 0.5067 | 0.4656 | 8.9000e-004 | | 0.0239 | 0.0239 | | 0.0231 | 0.0231 | 0.0000 | 75.1125 | 75.1125 | 0.0128 | 0.0000 | 75.4312 |

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 | 1.2900e-003 | 0.0407 | 0.0108 | 1.1000e-004 | 2.6100e-003 | 9.0000e-005 | 2.7000e-003 | 7.5000e-004 | 9.0000e-005 | 8.4000e-004 | 0.0000 | 10.2576 | 10.2576 | 4.5000e-004 | 0.0000 | 10.2687 |
| Worker | 8.1300e-003 | 5.6300e-003 | 0.0604 | 1.9000e-004 | 0.0209 | 1.3000e-004 | 0.0211 | 5.5700e-003 | 1.2000e-004 | 5.6900e-003 | 0.0000 | 17.3327 | 17.3327 | 3.9000e-004 | 0.0000 | 17.3426 |
| Total | 9.4200e-003 | 0.0463 | 0.0712 | 3.0000e-004 | 0.0236 | 2.2000e-004 | 0.0238 | 6.3200e-003 | 2.1000e-004 | 6.5300e-003 | 0.0000 | 27.5903 | 27.5903 | 8.4000e-004 | 0.0000 | 27.6113 |

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3.4 Alterations to Building Structure - 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 | 0.0821 | 0.7491 | 0.7483 | 1.4400e-003 | | 0.0343 | 0.0343 | | 0.0332 | 0.0332 | 0.0000 | 121.7777 | 121.7777 | 0.0205 | 0.0000 | 122.2892 |
| Total | 0.0821 | 0.7491 | 0.7483 | 1.4400e-003 | | 0.0343 | 0.0343 | | 0.0332 | 0.0332 | 0.0000 | 121.7777 | 121.7777 | 0.0205 | 0.0000 | 122.2892 |

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 | 1.9500e-003 | 0.0624 | 0.0165 | 1.7000e-004 | 4.2200e-003 | 1.3000e-004 | 4.3500e-003 | 1.2200e-003 | 1.2000e-004 | 1.3400e-003 | 0.0000 | 16.4706 | 16.4706 | 6.9000e-004 | 0.0000 | 16.4879 |
| Worker | 0.0123 | 8.1900e-003 | 0.0900 | 3.0000e-004 | 0.0340 | 2.1000e-004 | 0.0342 | 9.0300e-003 | 1.9000e-004 | 9.2200e-003 | 0.0000 | 27.0793 | 27.0793 | 5.7000e-004 | 0.0000 | 27.0936 |
| Total | 0.0143 | 0.0706 | 0.1065 | 4.7000e-004 | 0.0382 | 3.4000e-004 | 0.0385 | 0.0103 | 3.1000e-004 | 0.0106 | 0.0000 | 43.5499 | 43.5499 | 1.2600e-003 | 0.0000 | 43.5815 |

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3.4 Alterations to Building Structure - 2022

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0821 | 0.7491 | 0.7483 | 1.4400e-003 | | 0.0343 | 0.0343 | | 0.0332 | 0.0332 | 0.0000 | 121.7776 | 121.7776 | 0.0205 | 0.0000 | 122.2891 |
| Total | 0.0821 | 0.7491 | 0.7483 | 1.4400e-003 | | 0.0343 | 0.0343 | | 0.0332 | 0.0332 | 0.0000 | 121.7776 | 121.7776 | 0.0205 | 0.0000 | 122.2891 |

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 | 1.9500e-003 | 0.0624 | 0.0165 | 1.7000e-004 | 4.2200e-003 | 1.3000e-004 | 4.3500e-003 | 1.2200e-003 | 1.2000e-004 | 1.3400e-003 | 0.0000 | 16.4706 | 16.4706 | 6.9000e-004 | 0.0000 | 16.4879 |
| Worker | 0.0123 | 8.1900e-003 | 0.0900 | 3.0000e-004 | 0.0340 | 2.1000e-004 | 0.0342 | 9.0300e-003 | 1.9000e-004 | 9.2200e-003 | 0.0000 | 27.0793 | 27.0793 | 5.7000e-004 | 0.0000 | 27.0936 |
| Total | 0.0143 | 0.0706 | 0.1065 | 4.7000e-004 | 0.0382 | 3.4000e-004 | 0.0385 | 0.0103 | 3.1000e-004 | 0.0106 | 0.0000 | 43.5499 | 43.5499 | 1.2600e-003 | 0.0000 | 43.5815 |

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3.5 Interior 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 | 0.0199 | 0.1781 | 0.1568 | 3.1000e-004 | | 8.5300e-003 | 8.5300e-003 | | 8.2600e-003 | 8.2600e-003 | 0.0000 | 25.5331 | 25.5331 | 4.0000e-003 | 0.0000 | 25.6332 |
| Total | 0.0199 | 0.1781 | 0.1568 | 3.1000e-004 | | 8.5300e-003 | 8.5300e-003 | | 8.2600e-003 | 8.2600e-003 | 0.0000 | 25.5331 | 25.5331 | 4.0000e-003 | 0.0000 | 25.6332 |

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 | 4.5000e-004 | 0.0142 | 3.7700e-003 | 4.0000e-005 | 9.1000e-004 | 3.0000e-005 | 9.4000e-004 | 2.6000e-004 | 3.0000e-005 | 2.9000e-004 | 0.0000 | 3.5746 | 3.5746 | 1.6000e-004 | 0.0000 | 3.5785 |
| Worker | 2.8300e-003 | 1.9600e-003 | 0.0211 | 7.0000e-005 | 7.3000e-003 | 5.0000e-005 | 7.3400e-003 | 1.9400e-003 | 4.0000e-005 | 1.9800e-003 | 0.0000 | 6.0402 | 6.0402 | 1.4000e-004 | 0.0000 | 6.0436 |
| Total | 3.2800e-003 | 0.0161 | 0.0248 | 1.1000e-004 | 8.2100e-003 | 8.0000e-005 | 8.2800e-003 | 2.2000e-003 | 7.0000e-005 | 2.2700e-003 | 0.0000 | 9.6148 | 9.6148 | 3.0000e-004 | 0.0000 | 9.6221 |

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3.5 Interior Construction - 2021

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0199 | 0.1781 | 0.1568 | 3.1000e-004 | | 8.5300e-003 | 8.5300e-003 | | 8.2600e-003 | 8.2600e-003 | 0.0000 | 25.5330 | 25.5330 | 4.0000e-003 | 0.0000 | 25.6332 |
| Total | 0.0199 | 0.1781 | 0.1568 | 3.1000e-004 | | 8.5300e-003 | 8.5300e-003 | | 8.2600e-003 | 8.2600e-003 | 0.0000 | 25.5330 | 25.5330 | 4.0000e-003 | 0.0000 | 25.6332 |

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 | 4.5000e-004 | 0.0142 | 3.7700e-003 | 4.0000e-005 | 9.1000e-004 | 3.0000e-005 | 9.4000e-004 | 2.6000e-004 | 3.0000e-005 | 2.9000e-004 | 0.0000 | 3.5746 | 3.5746 | 1.6000e-004 | 0.0000 | 3.5785 |
| Worker | 2.8300e-003 | 1.9600e-003 | 0.0211 | 7.0000e-005 | 7.3000e-003 | 5.0000e-005 | 7.3400e-003 | 1.9400e-003 | 4.0000e-005 | 1.9800e-003 | 0.0000 | 6.0402 | 6.0402 | 1.4000e-004 | 0.0000 | 6.0436 |
| Total | 3.2800e-003 | 0.0161 | 0.0248 | 1.1000e-004 | 8.2100e-003 | 8.0000e-005 | 8.2800e-003 | 2.2000e-003 | 7.0000e-005 | 2.2700e-003 | 0.0000 | 9.6148 | 9.6148 | 3.0000e-004 | 0.0000 | 9.6221 |

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3.5 Interior 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 | 0.1211 | 1.0633 | 1.0132 | 2.0000e-003 | | 0.0495 | 0.0495 | | 0.0479 | 0.0479 | 0.0000 | 166.5261 | 166.5261 | 0.0258 | 0.0000 | 167.1716 |
| Total | 0.1211 | 1.0633 | 1.0132 | 2.0000e-003 | | 0.0495 | 0.0495 | | 0.0479 | 0.0479 | 0.0000 | 166.5261 | 166.5261 | 0.0258 | 0.0000 | 167.1716 |

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 | 2.7400e-003 | 0.0874 | 0.0232 | 2.4000e-004 | 5.9200e-003 | 1.8000e-004 | 6.1000e-003 | 1.7100e-003 | 1.7000e-004 | 1.8800e-003 | 0.0000 | 23.0896 | 23.0896 | 9.7000e-004 | 0.0000 | 23.1139 |
| Worker | 0.0173 | 0.0115 | 0.1262 | 4.2000e-004 | 0.0476 | 2.9000e-004 | 0.0479 | 0.0127 | 2.7000e-004 | 0.0129 | 0.0000 | 37.9616 | 37.9616 | 8.0000e-004 | 0.0000 | 37.9817 |
| Total | 0.0200 | 0.0989 | 0.1493 | 6.6000e-004 | 0.0535 | 4.7000e-004 | 0.0540 | 0.0144 | 4.4000e-004 | 0.0148 | 0.0000 | 61.0512 | 61.0512 | 1.7700e-003 | 0.0000 | 61.0956 |

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3.5 Interior Construction - 2022

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.1211 | 1.0633 | 1.0132 | 2.0000e-003 | | 0.0495 | 0.0495 | | 0.0479 | 0.0479 | 0.0000 | 166.5259 | 166.5259 | 0.0258 | 0.0000 | 167.1714 |
| Total | 0.1211 | 1.0633 | 1.0132 | 2.0000e-003 | | 0.0495 | 0.0495 | | 0.0479 | 0.0479 | 0.0000 | 166.5259 | 166.5259 | 0.0258 | 0.0000 | 167.1714 |

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 | 2.7400e-003 | 0.0874 | 0.0232 | 2.4000e-004 | 5.9200e-003 | 1.8000e-004 | 6.1000e-003 | 1.7100e-003 | 1.7000e-004 | 1.8800e-003 | 0.0000 | 23.0896 | 23.0896 | 9.7000e-004 | 0.0000 | 23.1139 |
| Worker | 0.0173 | 0.0115 | 0.1262 | 4.2000e-004 | 0.0476 | 2.9000e-004 | 0.0479 | 0.0127 | 2.7000e-004 | 0.0129 | 0.0000 | 37.9616 | 37.9616 | 8.0000e-004 | 0.0000 | 37.9817 |
| Total | 0.0200 | 0.0989 | 0.1493 | 6.6000e-004 | 0.0535 | 4.7000e-004 | 0.0540 | 0.0144 | 4.4000e-004 | 0.0148 | 0.0000 | 61.0512 | 61.0512 | 1.7700e-003 | 0.0000 | 61.0956 |

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3.6 Interior Finishes - 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 | 0.8066 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0814 | 0.6545 | 0.7609 | 1.3700e-003 | | 0.0318 | 0.0318 | | 0.0314 | 0.0314 | 0.0000 | 112.2268 | 112.2268 | 0.0118 | 0.0000 | 112.5220 |
| Total | 0.8879 | 0.6545 | 0.7609 | 1.3700e-003 | | 0.0318 | 0.0318 | | 0.0314 | 0.0314 | 0.0000 | 112.2268 | 112.2268 | 0.0118 | 0.0000 | 112.5220 |

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 | 0.0151 | 0.0100 | 0.1102 | 3.7000e-004 | 0.0416 | 2.6000e-004 | 0.0418 | 0.0111 | 2.4000e-004 | 0.0113 | 0.0000 | 33.1532 | 33.1532 | 7.0000e-004 | 0.0000 | 33.1707 |
| Total | 0.0151 | 0.0100 | 0.1102 | 3.7000e-004 | 0.0416 | 2.6000e-004 | 0.0418 | 0.0111 | 2.4000e-004 | 0.0113 | 0.0000 | 33.1532 | 33.1532 | 7.0000e-004 | 0.0000 | 33.1707 |

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3.6 Interior Finishes - 2022

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 0.8066 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0814 | 0.6545 | 0.7609 | 1.3700e-003 | | 0.0318 | 0.0318 | | 0.0314 | 0.0314 | 0.0000 | 112.2266 | 112.2266 | 0.0118 | 0.0000 | 112.5218 |
| Total | 0.8879 | 0.6545 | 0.7609 | 1.3700e-003 | | 0.0318 | 0.0318 | | 0.0314 | 0.0314 | 0.0000 | 112.2266 | 112.2266 | 0.0118 | 0.0000 | 112.5218 |

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 | 0.0151 | 0.0100 | 0.1102 | 3.7000e-004 | 0.0416 | 2.6000e-004 | 0.0418 | 0.0111 | 2.4000e-004 | 0.0113 | 0.0000 | 33.1532 | 33.1532 | 7.0000e-004 | 0.0000 | 33.1707 |
| Total | 0.0151 | 0.0100 | 0.1102 | 3.7000e-004 | 0.0416 | 2.6000e-004 | 0.0418 | 0.0111 | 2.4000e-004 | 0.0113 | 0.0000 | 33.1532 | 33.1532 | 7.0000e-004 | 0.0000 | 33.1707 |

4.0 Operational Detail - Mobile

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4.1 Mitigation Measures Mobile

Increase Transit Accessibility

| | ROG | NOx | CO | SO2 | Fugitive 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 | 0.1625 | 0.5889 | 1.7328 | 5.9300e-003 | 0.5560 | 4.6900e-003 | 0.5607 | 0.1488 | 4.3700e-003 | 0.1532 | 0.0000 | 543.2614 | 543.2614 | 0.0181 | 0.0000 | 543.7148 |
| Unmitigated | 0.1750 | 0.6588 | 2.0563 | 7.3900e-003 | 0.7059 | 5.7400e-003 | 0.7117 | 0.1890 | 5.3500e-003 | 0.1943 | 0.0000 | 676.8303 | 676.8303 | 0.0216 | 0.0000 | 677.3697 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---------------------|-------------------------|----------|--------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Apartments Mid Rise | 821.99 | 821.99 | 821.99 | 1,898,469 | 1,495,254 |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Total | 821.99 | 821.99 | 821.99 | 1,898,469 | 1,495,254 |

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 |
| Apartments Mid Rise | 10.80 | 4.80 | 5.70 | 31.00 | 15.00 | 54.00 | 86 | 11 | 3 |
| Parking Lot | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |

4.4 Fleet Mix

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| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|---------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Apartments Mid Rise | 0.612822 | 0.036208 | 0.182365 | 0.105071 | 0.013933 | 0.005011 | 0.012748 | 0.021514 | 0.002168 | 0.001529 | 0.005280 | 0.000629 | 0.000720 |
| Parking Lot | 0.612822 | 0.036208 | 0.182365 | 0.105071 | 0.013933 | 0.005011 | 0.012748 | 0.021514 | 0.002168 | 0.001529 | 0.005280 | 0.000629 | 0.000720 |

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 | 42.9303 | 42.9303 | 6.0400e-003 | 1.2500e-003 | 43.4540 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 42.9303 | 42.9303 | 6.0400e-003 | 1.2500e-003 | 43.4540 |
| NaturalGas Mitigated | 5.0300e-003 | 0.0430 | 0.0183 | 2.7000e-004 | | 3.4800e-003 | 3.4800e-003 | | 3.4800e-003 | 3.4800e-003 | 0.0000 | 49.7917 | 49.7917 | 9.5000e-004 | 9.1000e-004 | 50.0876 |
| NaturalGas Unmitigated | 5.0300e-003 | 0.0430 | 0.0183 | 2.7000e-004 | | 3.4800e-003 | 3.4800e-003 | | 3.4800e-003 | 3.4800e-003 | 0.0000 | 49.7917 | 49.7917 | 9.5000e-004 | 9.1000e-004 | 50.0876 |

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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 | | | | | |
| Apartments Mid Rise | 933061 | 5.0300e-003 | 0.0430 | 0.0183 | 2.7000e-004 | | 3.4800e-003 | 3.4800e-003 | | 3.4800e-003 | 3.4800e-003 | 0.0000 | 49.7917 | 49.7917 | 9.5000e-004 | 9.1000e-004 | 50.0876 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 5.0300e-003 | 0.0430 | 0.0183 | 2.7000e-004 | | 3.4800e-003 | 3.4800e-003 | | 3.4800e-003 | 3.4800e-003 | 0.0000 | 49.7917 | 49.7917 | 9.5000e-004 | 9.1000e-004 | 50.0876 |

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 | | | | | |
| Apartments Mid Rise | 933061 | 5.0300e-003 | 0.0430 | 0.0183 | 2.7000e-004 | | 3.4800e-003 | 3.4800e-003 | | 3.4800e-003 | 3.4800e-003 | 0.0000 | 49.7917 | 49.7917 | 9.5000e-004 | 9.1000e-004 | 50.0876 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 5.0300e-003 | 0.0430 | 0.0183 | 2.7000e-004 | | 3.4800e-003 | 3.4800e-003 | | 3.4800e-003 | 3.4800e-003 | 0.0000 | 49.7917 | 49.7917 | 9.5000e-004 | 9.1000e-004 | 50.0876 |

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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 | | | |
| Apartments Mid Rise | 445862 | 41.6613 | 5.8600e-003 | 1.2100e-003 | 42.1696 |
| Parking Lot | 13580 | 1.2689 | 1.8000e-004 | 4.0000e-005 | 1.2844 |
| Total | | 42.9303 | 6.0400e-003 | 1.2500e-003 | 43.4540 |

Mitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|---------------------|-----------------|----------------|--------------------|--------------------|----------------|
| Land Use | kWh/yr | MT/yr | | | |
| Apartments Mid Rise | 445862 | 41.6613 | 5.8600e-003 | 1.2100e-003 | 42.1696 |
| Parking Lot | 13580 | 1.2689 | 1.8000e-004 | 4.0000e-005 | 1.2844 |
| Total | | 42.9303 | 6.0400e-003 | 1.2500e-003 | 43.4540 |

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 | 0.5509 | 0.0130 | 0.8046 | 7.0000e-005 | | 4.7500e-003 | 4.7500e-003 | | 4.7500e-003 | 4.7500e-003 | 0.0000 | 5.6810 | 5.6810 | 1.3500e-003 | 8.0000e-005 | 5.7386 |
| Unmitigated | 0.5509 | 0.0130 | 0.8046 | 7.0000e-005 | | 4.7500e-003 | 4.7500e-003 | | 4.7500e-003 | 4.7500e-003 | 0.0000 | 5.6810 | 5.6810 | 1.3500e-003 | 8.0000e-005 | 5.7386 |

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 | 0.0807 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.4455 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Hearth | 4.4000e-004 | 3.7700e-003 | 1.6100e-003 | 2.0000e-005 | | 3.1000e-004 | 3.1000e-004 | | 3.1000e-004 | 3.1000e-004 | 0.0000 | 4.3694 | 4.3694 | 8.0000e-005 | 8.0000e-005 | 4.3953 |
| Landscaping | 0.0243 | 9.2500e-003 | 0.8030 | 4.0000e-005 | | 4.4400e-003 | 4.4400e-003 | | 4.4400e-003 | 4.4400e-003 | 0.0000 | 1.3116 | 1.3116 | 1.2600e-003 | 0.0000 | 1.3433 |
| Total | 0.5509 | 0.0130 | 0.8046 | 6.0000e-005 | | 4.7500e-003 | 4.7500e-003 | | 4.7500e-003 | 4.7500e-003 | 0.0000 | 5.6810 | 5.6810 | 1.3400e-003 | 8.0000e-005 | 5.7386 |

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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 | 0.0807 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.4455 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Hearth | 4.4000e-004 | 3.7700e-003 | 1.6100e-003 | 2.0000e-005 | | 3.1000e-004 | 3.1000e-004 | | 3.1000e-004 | 3.1000e-004 | 0.0000 | 4.3694 | 4.3694 | 8.0000e-005 | 8.0000e-005 | 4.3953 |
| Landscaping | 0.0243 | 9.2500e-003 | 0.8030 | 4.0000e-005 | | 4.4400e-003 | 4.4400e-003 | | 4.4400e-003 | 4.4400e-003 | 0.0000 | 1.3116 | 1.3116 | 1.2600e-003 | 0.0000 | 1.3433 |
| Total | 0.5509 | 0.0130 | 0.8046 | 6.0000e-005 | | 4.7500e-003 | 4.7500e-003 | | 4.7500e-003 | 4.7500e-003 | 0.0000 | 5.6810 | 5.6810 | 1.3400e-003 | 8.0000e-005 | 5.7386 |

7.0 Water Detail

7.1 Mitigation Measures Water

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| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|-------------|---------|
| Category | MT/yr | | | |
| Mitigated | 7.3750 | 0.2343 | 5.6600e-003 | 14.9189 |
| Unmitigated | 7.3750 | 0.2343 | 5.6600e-003 | 14.9189 |

7.2 Water by Land Use

Unmitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|---------------------|--------------------|---------------|---------------|--------------------|----------------|
| Land Use | Mgal | MT/yr | | | |
| Apartments Mid Rise | 7.16694 / 4.51829 | 7.3750 | 0.2343 | 5.6600e-003 | 14.9189 |
| Parking Lot | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 7.3750 | 0.2343 | 5.6600e-003 | 14.9189 |

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7.2 Water by Land Use

Mitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|---------------------|--------------------|---------------|---------------|--------------------|----------------|
| Land Use | Mgal | MT/yr | | | |
| Apartments Mid Rise | 7.16694 / 4.51829 | 7.3750 | 0.2343 | 5.6600e-003 | 14.9189 |
| Parking Lot | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 7.3750 | 0.2343 | 5.6600e-003 | 14.9189 |

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|--------|---------|
| | MT/yr | | | |
| Mitigated | 10.2713 | 0.6070 | 0.0000 | 25.4468 |
| Unmitigated | 10.2713 | 0.6070 | 0.0000 | 25.4468 |

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8.2 Waste by Land Use

Unmitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|---------------------|----------------|----------------|---------------|---------------|----------------|
| Land Use | tons | MT/yr | | | |
| Apartments Mid Rise | 50.6 | 10.2713 | 0.6070 | 0.0000 | 25.4468 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 10.2713 | 0.6070 | 0.0000 | 25.4468 |

Mitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|---------------------|----------------|----------------|---------------|---------------|----------------|
| Land Use | tons | MT/yr | | | |
| Apartments Mid Rise | 50.6 | 10.2713 | 0.6070 | 0.0000 | 25.4468 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 10.2713 | 0.6070 | 0.0000 | 25.4468 |

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

FCH Alternative 3 Office Reuse and New Residential - Santa Clara County, Annual

**FCH Alternative 3 Office Reuse and New Residential
Santa Clara County, Annual**

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|-------------------------|--------|---------------|-------------|--------------------|------------|
| General Office Building | 113.43 | 1000sqft | 1.10 | 113,430.00 | 0 |
| Other Asphalt Surfaces | 116.00 | 1000sqft | 2.66 | 116,000.00 | 0 |
| Parking Lot | 97.00 | Space | 0.87 | 38,800.00 | 0 |
| Apartments Mid Rise | 100.00 | Dwelling Unit | 0.30 | 34,000.00 | 286 |

1.2 Other Project Characteristics

| | | | | | |
|---------------------------------|--------------------------------|---------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 58 |
| Climate Zone | 4 | | | Operational Year | 2026 |
| Utility Company | Pacific Gas & Electric Company | | | | |
| CO2 Intensity (lb/MW hr) | 206 | CH4 Intensity (lb/MW hr) | 0.029 | N2O Intensity (lb/MW hr) | 0.006 |

1.3 User Entered Comments & Non-Default Data

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Project Characteristics - Updated CO2 intensity per PG&E 2020 CRSR

Land Use - Project specific land uses.

Construction Phase - Project specific phases.

Off-road Equipment - Project specific equipment.

Off-road Equipment - Plate compactors to account for concrete vibrators.

Off-road Equipment - Plate compactor to account for concrete vibrator

Off-road Equipment - Plate compactor to account for concrete vibrator

Off-road Equipment - Plate compactor to account for concrete vibrator

Off-road Equipment - Project specific equipment. Dump truck modeled as off-highway truck to account for potential off-haul

Off-road Equipment - Plate compactors to account for compactor, vibrator, and concrete vibrator. Water truck modeled as off highway truck.

Off-road Equipment - Off highway truck to account for water truck. Bobcats modeled as skid steer loader. Roller is compactor

Off-road Equipment - Plate compactor to account for concrete vibrator

Trips and VMT - Assumes 320 haul truck trips. Project specific workers. Abatement vendor truck trips based on default vendor truck trip rate for commercial land uses.

Grading - Assumes similar material export as proposed project for foundation.

Vehicle Trips - Updated consistent with 10th gen ITE trip rates. Govt office land use, assumes no weekend trips.

Woodstoves - Assumes no woodstoves or wood fireplaces.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes watering twice per day per BAAQMD fugitive dust control requirements.

Mobile Land Use Mitigation - Increases transit accessibility to adjacent VTA Civic Center Station.

| Table Name | Column Name | Default Value | New Value |
|----------------------|-------------|---------------|-----------|
| tblConstructionPhase | NumDays | 18.00 | 151.00 |
| tblConstructionPhase | NumDays | 18.00 | 109.00 |
| tblConstructionPhase | NumDays | 18.00 | 153.00 |
| tblConstructionPhase | NumDays | 230.00 | 130.00 |
| tblConstructionPhase | NumDays | 230.00 | 260.00 |
| tblConstructionPhase | NumDays | 230.00 | 218.00 |

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| | | | |
|----------------------|----------------------------|------------|-----------|
| tblConstructionPhase | NumDays | 20.00 | 44.00 |
| tblConstructionPhase | NumDays | 8.00 | 130.00 |
| tblConstructionPhase | NumDays | 18.00 | 85.00 |
| tblFireplaces | NumberGas | 15.00 | 32.00 |
| tblFireplaces | NumberWood | 17.00 | 0.00 |
| tblGrading | AcresOfGrading | 0.00 | 4.00 |
| tblGrading | MaterialExported | 0.00 | 2,500.00 |
| tblLandUse | LandUseSquareFeet | 100,000.00 | 34,000.00 |
| tblLandUse | LotAcreage | 2.60 | 1.10 |
| tblLandUse | LotAcreage | 2.63 | 0.30 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |

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| | | | |
|---------------------|----------------------------|------|-------------------------|
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 2.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 2.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 4.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 2.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 2.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 2.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 2.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 2.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 2.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 2.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 2.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 2.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 2.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 2.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 2.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | PhaseName | | Selective Demolition |
| tblOffRoadEquipment | PhaseName | | Interior Construction 1 |
| tblOffRoadEquipment | PhaseName | | Interior Finishes 1 |
| tblOffRoadEquipment | PhaseName | | Superstructure |

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| | | |
|---------------------|-----------|-------------------------|
| tblOffRoadEquipment | PhaseName | Interior Construction 2 |
| tblOffRoadEquipment | PhaseName | Interior Finishes 2 |
| tblOffRoadEquipment | PhaseName | Site Clearance |
| tblOffRoadEquipment | PhaseName | Interior Construction 1 |
| tblOffRoadEquipment | PhaseName | Interior Finishes 1 |
| tblOffRoadEquipment | PhaseName | Site Clearance |
| tblOffRoadEquipment | PhaseName | Superstructure |
| tblOffRoadEquipment | PhaseName | Interior Construction 2 |
| tblOffRoadEquipment | PhaseName | Interior Finishes 2 |
| tblOffRoadEquipment | PhaseName | Interior Construction 1 |
| tblOffRoadEquipment | PhaseName | Interior Finishes 1 |
| tblOffRoadEquipment | PhaseName | Site Clearance |
| tblOffRoadEquipment | PhaseName | Superstructure |
| tblOffRoadEquipment | PhaseName | Interior Construction 2 |
| tblOffRoadEquipment | PhaseName | Interior Finishes 2 |
| tblOffRoadEquipment | PhaseName | Site Work |
| tblOffRoadEquipment | PhaseName | Site Work |
| tblOffRoadEquipment | PhaseName | Selective Demolition |
| tblOffRoadEquipment | PhaseName | Interior Finishes 1 |
| tblOffRoadEquipment | PhaseName | Interior Finishes 2 |
| tblOffRoadEquipment | PhaseName | Selective Demolition |
| tblOffRoadEquipment | PhaseName | Site Clearance |
| tblOffRoadEquipment | PhaseName | Site Work |
| tblOffRoadEquipment | PhaseName | Interior Construction 1 |
| tblOffRoadEquipment | PhaseName | Interior Finishes 1 |
| tblOffRoadEquipment | PhaseName | Site Clearance |
| tblOffRoadEquipment | PhaseName | Superstructure |

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| | | | |
|---------------------|------------|------|-------------------------|
| tblOffRoadEquipment | PhaseName | | Interior Construction 2 |
| tblOffRoadEquipment | PhaseName | | Interior Finishes 2 |
| tblOffRoadEquipment | PhaseName | | Interior Construction 1 |
| tblOffRoadEquipment | PhaseName | | Interior Finishes 1 |
| tblOffRoadEquipment | PhaseName | | Site Clearance |
| tblOffRoadEquipment | PhaseName | | Superstructure |
| tblOffRoadEquipment | PhaseName | | Interior Construction 2 |
| tblOffRoadEquipment | PhaseName | | Interior Finishes 2 |
| tblOffRoadEquipment | PhaseName | | Site Work |
| tblOffRoadEquipment | PhaseName | | Selective Demolition |
| tblOffRoadEquipment | PhaseName | | Site Work |
| tblOffRoadEquipment | PhaseName | | Site Work |
| tblOffRoadEquipment | UsageHours | 6.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 6.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 6.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 6.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 7.00 | 8.00 |
| tblOffRoadEquipment | UsageHours | 7.00 | 8.00 |
| tblOffRoadEquipment | UsageHours | 7.00 | 8.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 6.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 6.00 | 8.00 |

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| | | | |
|---------------------------|--------------------|--------|--------|
| tblOffRoadEquipment | UsageHours | 8.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 7.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 7.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 7.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 0.00 |
| tblProjectCharacteristics | CO2IntensityFactor | 641.35 | 206 |
| tblTripsAndVMT | HaulingTripNumber | 313.00 | 320.00 |
| tblTripsAndVMT | VendorTripNumber | 0.00 | 18.00 |
| tblTripsAndVMT | WorkerTripNumber | 35.00 | 60.00 |
| tblTripsAndVMT | WorkerTripNumber | 13.00 | 60.00 |
| tblTripsAndVMT | WorkerTripNumber | 173.00 | 80.00 |
| tblTripsAndVMT | WorkerTripNumber | 35.00 | 80.00 |
| tblTripsAndVMT | WorkerTripNumber | 38.00 | 60.00 |
| tblTripsAndVMT | WorkerTripNumber | 173.00 | 80.00 |
| tblTripsAndVMT | WorkerTripNumber | 173.00 | 80.00 |
| tblTripsAndVMT | WorkerTripNumber | 35.00 | 80.00 |
| tblTripsAndVMT | WorkerTripNumber | 28.00 | 30.00 |
| tblVehicleTrips | ST_TR | 6.39 | 5.44 |
| tblVehicleTrips | ST_TR | 2.46 | 0.00 |
| tblVehicleTrips | SU_TR | 5.86 | 5.44 |
| tblVehicleTrips | SU_TR | 1.05 | 0.00 |
| tblVehicleTrips | WD_TR | 6.65 | 5.44 |
| tblVehicleTrips | WD_TR | 11.03 | 9.74 |
| tblWoodstoves | NumberCatalytic | 2.00 | 0.00 |

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| | | | | | | |
|---------------|---|--------------------|---|------|---|------|
| tblWoodstoves | : | NumberNoncatalytic | : | 2.00 | : | 0.00 |
|---------------|---|--------------------|---|------|---|------|

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Year | tons/yr | | | | | | | | | | MT/yr | | | | | |
| 2021 | 1.3912 | 1.4805 | 1.5688 | 3.7200e-003 | 0.0962 | 0.0577 | 0.1538 | 0.0259 | 0.0552 | 0.0811 | 0.0000 | 325.9090 | 325.9090 | 0.0476 | 0.0000 | 327.0999 |
| 2022 | 0.9190 | 3.6480 | 3.7540 | 9.3600e-003 | 0.1529 | 0.1433 | 0.2962 | 0.0411 | 0.1380 | 0.1792 | 0.0000 | 815.7813 | 815.7813 | 0.1240 | 0.0000 | 818.8817 |
| 2023 | 0.2383 | 2.2541 | 2.1430 | 6.0400e-003 | 0.1295 | 0.0768 | 0.2063 | 0.0355 | 0.0743 | 0.1098 | 0.0000 | 533.7951 | 533.7951 | 0.0543 | 0.0000 | 535.1519 |
| 2024 | 1.0970 | 1.8881 | 2.2112 | 5.0700e-003 | 0.0974 | 0.0744 | 0.1718 | 0.0263 | 0.0717 | 0.0979 | 0.0000 | 436.9200 | 436.9200 | 0.0595 | 0.0000 | 438.4084 |
| 2025 | 0.0516 | 0.4293 | 0.5172 | 1.0700e-003 | 5.1200e-003 | 0.0184 | 0.0235 | 1.3600e-003 | 0.0170 | 0.0183 | 0.0000 | 93.8899 | 93.8899 | 0.0290 | 0.0000 | 94.6149 |
| Maximum | 1.3912 | 3.6480 | 3.7540 | 9.3600e-003 | 0.1529 | 0.1433 | 0.2962 | 0.0411 | 0.1380 | 0.1792 | 0.0000 | 815.7813 | 815.7813 | 0.1240 | 0.0000 | 818.8817 |

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2.1 Overall Construction

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 | 1.3912 | 1.4805 | 1.5688 | 3.7200e-003 | 0.0962 | 0.0577 | 0.1538 | 0.0259 | 0.0552 | 0.0811 | 0.0000 | 325.9088 | 325.9088 | 0.0476 | 0.0000 | 327.0997 |
| 2022 | 0.9190 | 3.6480 | 3.7540 | 9.3600e-003 | 0.1516 | 0.1433 | 0.2950 | 0.0410 | 0.1380 | 0.1790 | 0.0000 | 815.7806 | 815.7806 | 0.1240 | 0.0000 | 818.8810 |
| 2023 | 0.2383 | 2.2541 | 2.1430 | 6.0400e-003 | 0.1295 | 0.0768 | 0.2063 | 0.0355 | 0.0743 | 0.1098 | 0.0000 | 533.7948 | 533.7948 | 0.0543 | 0.0000 | 535.1515 |
| 2024 | 1.0970 | 1.8881 | 2.2112 | 5.0700e-003 | 0.0974 | 0.0744 | 0.1718 | 0.0263 | 0.0717 | 0.0979 | 0.0000 | 436.9196 | 436.9196 | 0.0595 | 0.0000 | 438.4080 |
| 2025 | 0.0516 | 0.4293 | 0.5172 | 1.0700e-003 | 5.1200e-003 | 0.0184 | 0.0235 | 1.3600e-003 | 0.0170 | 0.0183 | 0.0000 | 93.8898 | 93.8898 | 0.0290 | 0.0000 | 94.6148 |
| Maximum | 1.3912 | 3.6480 | 3.7540 | 9.3600e-003 | 0.1516 | 0.1433 | 0.2950 | 0.0410 | 0.1380 | 0.1790 | 0.0000 | 815.7806 | 815.7806 | 0.1240 | 0.0000 | 818.8810 |

| | ROG | NOx | CO | SO2 | 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 | 0.26 | 0.00 | 0.15 | 0.11 | 0.00 | 0.03 | 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 | 0.5136 | 0.5136 |
| 2 | 4-1-2021 | 6-30-2021 | 0.5181 | 0.5181 |
| 3 | 7-1-2021 | 9-30-2021 | 0.4263 | 0.4263 |
| 4 | 10-1-2021 | 12-31-2021 | 1.3879 | 1.3879 |
| 5 | 1-1-2022 | 3-31-2022 | 2.3750 | 2.3750 |
| 6 | 4-1-2022 | 6-30-2022 | 0.8003 | 0.8003 |

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| | | | | |
|----|-----------|------------|--------|--------|
| 7 | 7-1-2022 | 9-30-2022 | 0.7031 | 0.7031 |
| 8 | 10-1-2022 | 12-31-2022 | 0.7052 | 0.7052 |
| 9 | 1-1-2023 | 3-31-2023 | 0.6127 | 0.6127 |
| 10 | 4-1-2023 | 6-30-2023 | 0.6172 | 0.6172 |
| 11 | 7-1-2023 | 9-30-2023 | 0.6333 | 0.6333 |
| 12 | 10-1-2023 | 12-31-2023 | 0.6357 | 0.6357 |
| 13 | 1-1-2024 | 3-31-2024 | 0.5996 | 0.5996 |
| 14 | 4-1-2024 | 6-30-2024 | 0.6694 | 0.6694 |
| 15 | 7-1-2024 | 9-30-2024 | 0.7143 | 0.7143 |
| 16 | 10-1-2024 | 12-31-2024 | 1.0119 | 1.0119 |
| 17 | 1-1-2025 | 3-31-2025 | 0.4716 | 0.4716 |
| | | Highest | 2.3750 | 2.3750 |

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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 | 0.6951 | 0.0120 | 0.7463 | 6.0000e-005 | | 4.4100e-003 | 4.4100e-003 | | 4.4100e-003 | 4.4100e-003 | 0.0000 | 5.2136 | 5.2136 | 1.2500e-003 | 7.0000e-005 | 5.2667 |
| Energy | 0.0147 | 0.1308 | 0.0934 | 8.0000e-004 | | 0.0101 | 0.0101 | | 0.0101 | 0.0101 | 0.0000 | 374.0146 | 374.0146 | 0.0350 | 9.3300e-003 | 377.6688 |
| Mobile | 0.2412 | 0.9682 | 2.8137 | 0.0111 | 1.1683 | 8.6500e-003 | 1.1770 | 0.3127 | 8.0400e-003 | 0.3207 | 0.0000 | 1,017.3212 | 1,017.3212 | 0.0306 | 0.0000 | 1,018.0862 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 30.7511 | 0.0000 | 30.7511 | 1.8173 | 0.0000 | 76.1846 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 8.4630 | 18.8717 | 27.3347 | 0.8719 | 0.0211 | 55.4119 |
| Total | 0.9510 | 1.1111 | 3.6534 | 0.0119 | 1.1683 | 0.0232 | 1.1915 | 0.3127 | 0.0226 | 0.3353 | 39.2141 | 1,415.4211 | 1,454.6351 | 2.7561 | 0.0305 | 1,532.6182 |

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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 | 0.6951 | 0.0120 | 0.7463 | 6.0000e-005 | | 4.4100e-003 | 4.4100e-003 | | 4.4100e-003 | 4.4100e-003 | 0.0000 | 5.2136 | 5.2136 | 1.2500e-003 | 7.0000e-005 | 5.2667 |
| Energy | 0.0147 | 0.1308 | 0.0934 | 8.0000e-004 | | 0.0101 | 0.0101 | | 0.0101 | 0.0101 | 0.0000 | 374.0146 | 374.0146 | 0.0350 | 9.3300e-003 | 377.6688 |
| Mobile | 0.2233 | 0.8724 | 2.3631 | 8.8900e-003 | 0.9202 | 7.0800e-003 | 0.9272 | 0.2463 | 6.5800e-003 | 0.2529 | 0.0000 | 816.9526 | 816.9526 | 0.0257 | 0.0000 | 817.5939 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 30.7511 | 0.0000 | 30.7511 | 1.8173 | 0.0000 | 76.1846 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 8.4630 | 18.8717 | 27.3347 | 0.8719 | 0.0211 | 55.4119 |
| Total | 0.9331 | 1.0152 | 3.2027 | 9.7500e-003 | 0.9202 | 0.0216 | 0.9418 | 0.2463 | 0.0211 | 0.2674 | 39.2141 | 1,215.0524 | 1,254.2665 | 2.7511 | 0.0305 | 1,332.1259 |

| | ROG | NOx | CO | SO2 | 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 | 1.88 | 8.63 | 12.34 | 18.34 | 21.24 | 6.77 | 20.96 | 21.24 | 6.46 | 20.25 | 0.00 | 14.16 | 13.77 | 0.18 | 0.00 | 13.08 |

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 | Hazardous Materials Abatement | Architectural Coating | 1/1/2021 | 7/30/2021 | 5 | 151 | |
| 2 | Selective Demolition | Demolition | 8/1/2021 | 9/30/2021 | 5 | 44 | |
| 3 | Interior Construction 1 | Building Construction | 10/1/2021 | 3/31/2022 | 5 | 130 | |
| 4 | Interior Finishes 1 | Architectural Coating | 11/1/2021 | 3/31/2022 | 5 | 109 | |
| 5 | Site Clearance | Grading | 1/1/2022 | 7/1/2022 | 5 | 130 | |
| 6 | Superstructure | Building Construction | 7/2/2022 | 6/30/2023 | 5 | 260 | |
| 7 | Interior Construction 2 | Building Construction | 7/1/2023 | 5/1/2024 | 5 | 218 | |
| 8 | Interior Finishes 2 | Architectural Coating | 5/2/2024 | 12/2/2024 | 5 | 153 | |
| 9 | Site Work | Paving | 11/2/2024 | 2/28/2025 | 5 | 85 | |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 3.53

Residential Indoor: 68,850; Residential Outdoor: 22,950; Non-Residential Indoor: 170,145; Non-Residential Outdoor: 56,715; Striped Parking Area: 9,288 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-------------------------------|--------------------------|--------|-------------|-------------|-------------|
| Hazardous Materials Abatement | Aerial Lifts | 2 | 8.00 | 63 | 0.31 |
| Hazardous Materials Abatement | Air Compressors | 0 | 0.00 | 78 | 0.48 |
| Hazardous Materials Abatement | Dumpers/Tenders | 1 | 8.00 | 16 | 0.38 |
| Hazardous Materials Abatement | Forklifts | 1 | 8.00 | 89 | 0.20 |
| Hazardous Materials Abatement | Skid Steer Loaders | 1 | 8.00 | 65 | 0.37 |
| Selective Demolition | Aerial Lifts | 2 | 8.00 | 63 | 0.31 |
| Selective Demolition | Concrete/Industrial Saws | 0 | 0.00 | 81 | 0.73 |

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| | | | | | |
|-------------------------|---------------------------|---|------|-----|------|
| Selective Demolition | Excavators | 0 | 0.00 | 158 | 0.38 |
| Selective Demolition | Forklifts | 1 | 8.00 | 89 | 0.20 |
| Selective Demolition | Off-Highway Trucks | 1 | 8.00 | 402 | 0.38 |
| Selective Demolition | Rubber Tired Dozers | 0 | 0.00 | 247 | 0.40 |
| Selective Demolition | Skid Steer Loaders | 1 | 8.00 | 65 | 0.37 |
| Interior Construction 1 | Aerial Lifts | 1 | 8.00 | 63 | 0.31 |
| Interior Construction 1 | Cement and Mortar Mixers | 4 | 8.00 | 9 | 0.56 |
| Interior Construction 1 | Cranes | 1 | 8.00 | 231 | 0.29 |
| Interior Construction 1 | Dumpers/Tenders | 1 | 8.00 | 16 | 0.38 |
| Interior Construction 1 | Forklifts | 1 | 8.00 | 89 | 0.20 |
| Interior Construction 1 | Generator Sets | 0 | 0.00 | 84 | 0.74 |
| Interior Construction 1 | Plate Compactors | 2 | 8.00 | 8 | 0.43 |
| Interior Construction 1 | Pumps | 2 | 8.00 | 84 | 0.74 |
| Interior Construction 1 | Tractors/Loaders/Backhoes | 0 | 0.00 | 97 | 0.37 |
| Interior Construction 1 | Welders | 0 | 0.00 | 46 | 0.45 |
| Interior Finishes 1 | Aerial Lifts | 1 | 8.00 | 63 | 0.31 |
| Interior Finishes 1 | Air Compressors | 0 | 0.00 | 78 | 0.48 |
| Interior Finishes 1 | Cement and Mortar Mixers | 4 | 8.00 | 9 | 0.56 |
| Interior Finishes 1 | Dumpers/Tenders | 1 | 8.00 | 16 | 0.38 |
| Interior Finishes 1 | Forklifts | 1 | 8.00 | 89 | 0.20 |
| Interior Finishes 1 | Plate Compactors | 2 | 8.00 | 8 | 0.43 |
| Interior Finishes 1 | Pumps | 2 | 8.00 | 84 | 0.74 |
| Site Clearance | Bore/Drill Rigs | 1 | 8.00 | 221 | 0.50 |
| Site Clearance | Cement and Mortar Mixers | 2 | 8.00 | 9 | 0.56 |
| Site Clearance | Dumpers/Tenders | 1 | 8.00 | 16 | 0.38 |
| Site Clearance | Excavators | 1 | 8.00 | 158 | 0.38 |
| Site Clearance | Graders | 0 | 0.00 | 187 | 0.41 |

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| | | | | | |
|-------------------------|---------------------------|---|------|-----|------|
| Site Clearance | Off-Highway Trucks | 1 | 8.00 | 402 | 0.38 |
| Site Clearance | Plate Compactors | 4 | 8.00 | 8 | 0.43 |
| Site Clearance | Pumps | 2 | 8.00 | 84 | 0.74 |
| Site Clearance | Rubber Tired Dozers | 0 | 0.00 | 247 | 0.40 |
| Site Clearance | Tractors/Loaders/Backhoes | 3 | 8.00 | 97 | 0.37 |
| Superstructure | Aerial Lifts | 2 | 8.00 | 63 | 0.31 |
| Superstructure | Cement and Mortar Mixers | 2 | 8.00 | 9 | 0.56 |
| Superstructure | Cranes | 1 | 8.00 | 231 | 0.29 |
| Superstructure | Dumpers/Tenders | 1 | 8.00 | 16 | 0.38 |
| Superstructure | Forklifts | 1 | 8.00 | 89 | 0.20 |
| Superstructure | Generator Sets | 0 | 0.00 | 84 | 0.74 |
| Superstructure | Plate Compactors | 2 | 8.00 | 8 | 0.43 |
| Superstructure | Pumps | 2 | 8.00 | 84 | 0.74 |
| Superstructure | Tractors/Loaders/Backhoes | 0 | 0.00 | 97 | 0.37 |
| Superstructure | Welders | 0 | 0.00 | 46 | 0.45 |
| Interior Construction 2 | Aerial Lifts | 1 | 8.00 | 63 | 0.31 |
| Interior Construction 2 | Cement and Mortar Mixers | 4 | 8.00 | 9 | 0.56 |
| Interior Construction 2 | Cranes | 1 | 8.00 | 231 | 0.29 |
| Interior Construction 2 | Dumpers/Tenders | 1 | 8.00 | 16 | 0.38 |
| Interior Construction 2 | Forklifts | 1 | 8.00 | 89 | 0.20 |
| Interior Construction 2 | Generator Sets | 0 | 0.00 | 84 | 0.74 |
| Interior Construction 2 | Plate Compactors | 2 | 8.00 | 8 | 0.43 |
| Interior Construction 2 | Pumps | 2 | 8.00 | 84 | 0.74 |
| Interior Construction 2 | Tractors/Loaders/Backhoes | 0 | 0.00 | 97 | 0.37 |
| Interior Construction 2 | Welders | 0 | 0.00 | 46 | 0.45 |
| Interior Finishes 2 | Aerial Lifts | 1 | 8.00 | 63 | 0.31 |
| Interior Finishes 2 | Air Compressors | 0 | 0.00 | 78 | 0.48 |

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| | | | | | |
|---------------------|---------------------------|---|------|-----|------|
| Interior Finishes 2 | Cement and Mortar Mixers | 4 | 8.00 | 9 | 0.56 |
| Interior Finishes 2 | Dumpers/Tenders | 1 | 8.00 | 16 | 0.38 |
| Interior Finishes 2 | Forklifts | 1 | 8.00 | 89 | 0.20 |
| Interior Finishes 2 | Plate Compactors | 2 | 8.00 | 8 | 0.43 |
| Interior Finishes 2 | Pumps | 2 | 8.00 | 84 | 0.74 |
| Site Work | Cement and Mortar Mixers | 0 | 0.00 | 9 | 0.56 |
| Site Work | Dumpers/Tenders | 1 | 8.00 | 16 | 0.38 |
| Site Work | Excavators | 1 | 8.00 | 158 | 0.38 |
| Site Work | Off-Highway Trucks | 1 | 8.00 | 402 | 0.38 |
| Site Work | Pavers | 1 | 8.00 | 130 | 0.42 |
| Site Work | Paving Equipment | 0 | 0.00 | 132 | 0.36 |
| Site Work | Rollers | 1 | 8.00 | 80 | 0.38 |
| Site Work | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Site Work | Skid Steer Loaders | 2 | 8.00 | 65 | 0.37 |
| Site Work | Sweepers/Scrubbers | 1 | 8.00 | 64 | 0.46 |
| Site Work | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |

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 |
|-------------------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Hazardous Materials Abatement | 5 | 60.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Selective Demolition | 5 | 60.00 | 18.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Interior Construction 1 | 12 | 80.00 | 55.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Interior Finishes 1 | 11 | 80.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Clearance | 15 | 60.00 | 0.00 | 320.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Superstructure | 11 | 80.00 | 55.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Interior Construction 2 | 12 | 80.00 | 55.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Interior Finishes 2 | 11 | 80.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Work | 11 | 30.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Hazardous Materials Abatement - 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 | 0.8631 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0267 | 0.2906 | 0.3773 | 5.8000e-004 | | 0.0125 | 0.0125 | | 0.0116 | 0.0116 | 0.0000 | 50.3015 | 50.3015 | 0.0154 | 0.0000 | 50.6857 |
| Total | 0.8898 | 0.2906 | 0.3773 | 5.8000e-004 | | 0.0125 | 0.0125 | | 0.0116 | 0.0116 | 0.0000 | 50.3015 | 50.3015 | 0.0154 | 0.0000 | 50.6857 |

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3.2 Hazardous Materials Abatement - 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 | 0.0140 | 9.6600e-003 | 0.1036 | 3.3000e-004 | 0.0359 | 2.3000e-004 | 0.0362 | 9.5600e-003 | 2.1000e-004 | 9.7600e-003 | 0.0000 | 29.7413 | 29.7413 | 6.8000e-004 | 0.0000 | 29.7583 |
| Total | 0.0140 | 9.6600e-003 | 0.1036 | 3.3000e-004 | 0.0359 | 2.3000e-004 | 0.0362 | 9.5600e-003 | 2.1000e-004 | 9.7600e-003 | 0.0000 | 29.7413 | 29.7413 | 6.8000e-004 | 0.0000 | 29.7583 |

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 | 0.8631 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0267 | 0.2906 | 0.3773 | 5.8000e-004 | | 0.0125 | 0.0125 | | 0.0116 | 0.0116 | 0.0000 | 50.3014 | 50.3014 | 0.0154 | 0.0000 | 50.6856 |
| Total | 0.8898 | 0.2906 | 0.3773 | 5.8000e-004 | | 0.0125 | 0.0125 | | 0.0116 | 0.0116 | 0.0000 | 50.3014 | 50.3014 | 0.0154 | 0.0000 | 50.6856 |

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3.2 Hazardous Materials Abatement - 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 | 0.0140 | 9.6600e-003 | 0.1036 | 3.3000e-004 | 0.0359 | 2.3000e-004 | 0.0362 | 9.5600e-003 | 2.1000e-004 | 9.7600e-003 | 0.0000 | 29.7413 | 29.7413 | 6.8000e-004 | 0.0000 | 29.7583 |
| Total | 0.0140 | 9.6600e-003 | 0.1036 | 3.3000e-004 | 0.0359 | 2.3000e-004 | 0.0362 | 9.5600e-003 | 2.1000e-004 | 9.7600e-003 | 0.0000 | 29.7413 | 29.7413 | 6.8000e-004 | 0.0000 | 29.7583 |

3.3 Selective 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 | | | | | |
| Off-Road | 0.0195 | 0.1902 | 0.1837 | 4.4000e-004 | | 7.4900e-003 | 7.4900e-003 | | 6.8900e-003 | 6.8900e-003 | 0.0000 | 38.9580 | 38.9580 | 0.0126 | 0.0000 | 39.2730 |
| Total | 0.0195 | 0.1902 | 0.1837 | 4.4000e-004 | | 7.4900e-003 | 7.4900e-003 | | 6.8900e-003 | 6.8900e-003 | 0.0000 | 38.9580 | 38.9580 | 0.0126 | 0.0000 | 39.2730 |

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3.3 Selective 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 1.2900e-003 | 0.0407 | 0.0108 | 1.1000e-004 | 2.6100e-003 | 9.0000e-005 | 2.7000e-003 | 7.5000e-004 | 9.0000e-005 | 8.4000e-004 | 0.0000 | 10.2576 | 10.2576 | 4.5000e-004 | 0.0000 | 10.2687 |
| Worker | 4.0700e-003 | 2.8200e-003 | 0.0302 | 1.0000e-004 | 0.0105 | 7.0000e-005 | 0.0105 | 2.7800e-003 | 6.0000e-005 | 2.8400e-003 | 0.0000 | 8.6664 | 8.6664 | 2.0000e-004 | 0.0000 | 8.6713 |
| Total | 5.3600e-003 | 0.0435 | 0.0410 | 2.1000e-004 | 0.0131 | 1.6000e-004 | 0.0132 | 3.5300e-003 | 1.5000e-004 | 3.6800e-003 | 0.0000 | 18.9239 | 18.9239 | 6.5000e-004 | 0.0000 | 18.9400 |

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 | 0.0195 | 0.1902 | 0.1837 | 4.4000e-004 | | 7.4900e-003 | 7.4900e-003 | | 6.8900e-003 | 6.8900e-003 | 0.0000 | 38.9579 | 38.9579 | 0.0126 | 0.0000 | 39.2729 |
| Total | 0.0195 | 0.1902 | 0.1837 | 4.4000e-004 | | 7.4900e-003 | 7.4900e-003 | | 6.8900e-003 | 6.8900e-003 | 0.0000 | 38.9579 | 38.9579 | 0.0126 | 0.0000 | 39.2729 |

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3.3 Selective 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 1.2900e-003 | 0.0407 | 0.0108 | 1.1000e-004 | 2.6100e-003 | 9.0000e-005 | 2.7000e-003 | 7.5000e-004 | 9.0000e-005 | 8.4000e-004 | 0.0000 | 10.2576 | 10.2576 | 4.5000e-004 | 0.0000 | 10.2687 |
| Worker | 4.0700e-003 | 2.8200e-003 | 0.0302 | 1.0000e-004 | 0.0105 | 7.0000e-005 | 0.0105 | 2.7800e-003 | 6.0000e-005 | 2.8400e-003 | 0.0000 | 8.6664 | 8.6664 | 2.0000e-004 | 0.0000 | 8.6713 |
| Total | 5.3600e-003 | 0.0435 | 0.0410 | 2.1000e-004 | 0.0131 | 1.6000e-004 | 0.0132 | 3.5300e-003 | 1.5000e-004 | 3.6800e-003 | 0.0000 | 18.9239 | 18.9239 | 6.5000e-004 | 0.0000 | 18.9400 |

3.4 Interior Construction 1 - 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 | 0.0571 | 0.5111 | 0.4498 | 8.8000e-004 | | 0.0245 | 0.0245 | | 0.0237 | 0.0237 | 0.0000 | 73.2688 | 73.2688 | 0.0115 | 0.0000 | 73.5561 |
| Total | 0.0571 | 0.5111 | 0.4498 | 8.8000e-004 | | 0.0245 | 0.0245 | | 0.0237 | 0.0237 | 0.0000 | 73.2688 | 73.2688 | 0.0115 | 0.0000 | 73.5561 |

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3.4 Interior Construction 1 - 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 | 5.9200e-003 | 0.1865 | 0.0497 | 4.9000e-004 | 0.0119 | 4.1000e-004 | 0.0124 | 3.4500e-003 | 4.0000e-004 | 3.8500e-003 | 0.0000 | 47.0138 | 47.0138 | 2.0500e-003 | 0.0000 | 47.0651 |
| Worker | 8.1300e-003 | 5.6300e-003 | 0.0604 | 1.9000e-004 | 0.0209 | 1.3000e-004 | 0.0211 | 5.5700e-003 | 1.2000e-004 | 5.6900e-003 | 0.0000 | 17.3327 | 17.3327 | 3.9000e-004 | 0.0000 | 17.3426 |
| Total | 0.0141 | 0.1921 | 0.1100 | 6.8000e-004 | 0.0329 | 5.4000e-004 | 0.0334 | 9.0200e-003 | 5.2000e-004 | 9.5400e-003 | 0.0000 | 64.3465 | 64.3465 | 2.4400e-003 | 0.0000 | 64.4076 |

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 | 0.0571 | 0.5111 | 0.4498 | 8.8000e-004 | | 0.0245 | 0.0245 | | 0.0237 | 0.0237 | 0.0000 | 73.2687 | 73.2687 | 0.0115 | 0.0000 | 73.5560 |
| Total | 0.0571 | 0.5111 | 0.4498 | 8.8000e-004 | | 0.0245 | 0.0245 | | 0.0237 | 0.0237 | 0.0000 | 73.2687 | 73.2687 | 0.0115 | 0.0000 | 73.5560 |

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3.4 Interior Construction 1 - 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 | 5.9200e-003 | 0.1865 | 0.0497 | 4.9000e-004 | 0.0119 | 4.1000e-004 | 0.0124 | 3.4500e-003 | 4.0000e-004 | 3.8500e-003 | 0.0000 | 47.0138 | 47.0138 | 2.0500e-003 | 0.0000 | 47.0651 |
| Worker | 8.1300e-003 | 5.6300e-003 | 0.0604 | 1.9000e-004 | 0.0209 | 1.3000e-004 | 0.0211 | 5.5700e-003 | 1.2000e-004 | 5.6900e-003 | 0.0000 | 17.3327 | 17.3327 | 3.9000e-004 | 0.0000 | 17.3426 |
| Total | 0.0141 | 0.1921 | 0.1100 | 6.8000e-004 | 0.0329 | 5.4000e-004 | 0.0334 | 9.0200e-003 | 5.2000e-004 | 9.5400e-003 | 0.0000 | 64.3465 | 64.3465 | 2.4400e-003 | 0.0000 | 64.4076 |

3.4 Interior Construction 1 - 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 | 0.0517 | 0.4537 | 0.4323 | 8.5000e-004 | | 0.0211 | 0.0211 | | 0.0205 | 0.0205 | 0.0000 | 71.0511 | 71.0511 | 0.0110 | 0.0000 | 71.3265 |
| Total | 0.0517 | 0.4537 | 0.4323 | 8.5000e-004 | | 0.0211 | 0.0211 | | 0.0205 | 0.0205 | 0.0000 | 71.0511 | 71.0511 | 0.0110 | 0.0000 | 71.3265 |

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3.4 Interior Construction 1 - 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 | 5.3600e-003 | 0.1710 | 0.0453 | 4.7000e-004 | 0.0116 | 3.5000e-004 | 0.0119 | 3.3500e-003 | 3.3000e-004 | 3.6800e-003 | 0.0000 | 45.1530 | 45.1530 | 1.9000e-003 | 0.0000 | 45.2005 |
| Worker | 7.3600e-003 | 4.9000e-003 | 0.0538 | 1.8000e-004 | 0.0203 | 1.2000e-004 | 0.0204 | 5.4000e-003 | 1.2000e-004 | 5.5100e-003 | 0.0000 | 16.1970 | 16.1970 | 3.4000e-004 | 0.0000 | 16.2055 |
| Total | 0.0127 | 0.1759 | 0.0992 | 6.5000e-004 | 0.0319 | 4.7000e-004 | 0.0324 | 8.7500e-003 | 4.5000e-004 | 9.1900e-003 | 0.0000 | 61.3500 | 61.3500 | 2.2400e-003 | 0.0000 | 61.4060 |

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 | 0.0517 | 0.4537 | 0.4323 | 8.5000e-004 | | 0.0211 | 0.0211 | | 0.0205 | 0.0205 | 0.0000 | 71.0511 | 71.0511 | 0.0110 | 0.0000 | 71.3265 |
| Total | 0.0517 | 0.4537 | 0.4323 | 8.5000e-004 | | 0.0211 | 0.0211 | | 0.0205 | 0.0205 | 0.0000 | 71.0511 | 71.0511 | 0.0110 | 0.0000 | 71.3265 |

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3.4 Interior Construction 1 - 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 | 5.3600e-003 | 0.1710 | 0.0453 | 4.7000e-004 | 0.0116 | 3.5000e-004 | 0.0119 | 3.3500e-003 | 3.3000e-004 | 3.6800e-003 | 0.0000 | 45.1530 | 45.1530 | 1.9000e-003 | 0.0000 | 45.2005 |
| Worker | 7.3600e-003 | 4.9000e-003 | 0.0538 | 1.8000e-004 | 0.0203 | 1.2000e-004 | 0.0204 | 5.4000e-003 | 1.2000e-004 | 5.5100e-003 | 0.0000 | 16.1970 | 16.1970 | 3.4000e-004 | 0.0000 | 16.2055 |
| Total | 0.0127 | 0.1759 | 0.0992 | 6.5000e-004 | 0.0319 | 4.7000e-004 | 0.0324 | 8.7500e-003 | 4.5000e-004 | 9.1900e-003 | 0.0000 | 61.3500 | 61.3500 | 2.2400e-003 | 0.0000 | 61.4060 |

3.5 Interior Finishes 1 - 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 | 0.3563 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0296 | 0.2394 | 0.2621 | 4.7000e-004 | | 0.0123 | 0.0123 | | 0.0121 | 0.0121 | 0.0000 | 38.5512 | 38.5512 | 4.1500e-003 | 0.0000 | 38.6549 |
| Total | 0.3859 | 0.2394 | 0.2621 | 4.7000e-004 | | 0.0123 | 0.0123 | | 0.0121 | 0.0121 | 0.0000 | 38.5512 | 38.5512 | 4.1500e-003 | 0.0000 | 38.6549 |

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3.5 Interior Finishes 1 - 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 | 5.5500e-003 | 3.8400e-003 | 0.0412 | 1.3000e-004 | 0.0143 | 9.0000e-005 | 0.0144 | 3.8000e-003 | 8.0000e-005 | 3.8800e-003 | 0.0000 | 11.8178 | 11.8178 | 2.7000e-004 | 0.0000 | 11.8245 |
| Total | 5.5500e-003 | 3.8400e-003 | 0.0412 | 1.3000e-004 | 0.0143 | 9.0000e-005 | 0.0144 | 3.8000e-003 | 8.0000e-005 | 3.8800e-003 | 0.0000 | 11.8178 | 11.8178 | 2.7000e-004 | 0.0000 | 11.8245 |

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 | 0.3563 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0296 | 0.2394 | 0.2621 | 4.7000e-004 | | 0.0123 | 0.0123 | | 0.0121 | 0.0121 | 0.0000 | 38.5512 | 38.5512 | 4.1500e-003 | 0.0000 | 38.6548 |
| Total | 0.3859 | 0.2394 | 0.2621 | 4.7000e-004 | | 0.0123 | 0.0123 | | 0.0121 | 0.0121 | 0.0000 | 38.5512 | 38.5512 | 4.1500e-003 | 0.0000 | 38.6548 |

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3.5 Interior Finishes 1 - 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 | 5.5500e-003 | 3.8400e-003 | 0.0412 | 1.3000e-004 | 0.0143 | 9.0000e-005 | 0.0144 | 3.8000e-003 | 8.0000e-005 | 3.8800e-003 | 0.0000 | 11.8178 | 11.8178 | 2.7000e-004 | 0.0000 | 11.8245 |
| Total | 5.5500e-003 | 3.8400e-003 | 0.0412 | 1.3000e-004 | 0.0143 | 9.0000e-005 | 0.0144 | 3.8000e-003 | 8.0000e-005 | 3.8800e-003 | 0.0000 | 11.8178 | 11.8178 | 2.7000e-004 | 0.0000 | 11.8245 |

3.5 Interior Finishes 1 - 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 | 0.5068 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0398 | 0.3198 | 0.3717 | 6.7000e-004 | | 0.0156 | 0.0156 | | 0.0153 | 0.0153 | 0.0000 | 54.8283 | 54.8283 | 5.7700e-003 | 0.0000 | 54.9726 |
| Total | 0.5465 | 0.3198 | 0.3717 | 6.7000e-004 | | 0.0156 | 0.0156 | | 0.0153 | 0.0153 | 0.0000 | 54.8283 | 54.8283 | 5.7700e-003 | 0.0000 | 54.9726 |

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3.5 Interior Finishes 1 - 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 | 7.3600e-003 | 4.9000e-003 | 0.0538 | 1.8000e-004 | 0.0203 | 1.2000e-004 | 0.0204 | 5.4000e-003 | 1.2000e-004 | 5.5100e-003 | 0.0000 | 16.1970 | 16.1970 | 3.4000e-004 | 0.0000 | 16.2055 |
| Total | 7.3600e-003 | 4.9000e-003 | 0.0538 | 1.8000e-004 | 0.0203 | 1.2000e-004 | 0.0204 | 5.4000e-003 | 1.2000e-004 | 5.5100e-003 | 0.0000 | 16.1970 | 16.1970 | 3.4000e-004 | 0.0000 | 16.2055 |

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 | 0.5068 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0398 | 0.3198 | 0.3717 | 6.7000e-004 | | 0.0156 | 0.0156 | | 0.0153 | 0.0153 | 0.0000 | 54.8283 | 54.8283 | 5.7700e-003 | 0.0000 | 54.9725 |
| Total | 0.5465 | 0.3198 | 0.3717 | 6.7000e-004 | | 0.0156 | 0.0156 | | 0.0153 | 0.0153 | 0.0000 | 54.8283 | 54.8283 | 5.7700e-003 | 0.0000 | 54.9725 |

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3.5 Interior Finishes 1 - 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 | 7.3600e-003 | 4.9000e-003 | 0.0538 | 1.8000e-004 | 0.0203 | 1.2000e-004 | 0.0204 | 5.4000e-003 | 1.2000e-004 | 5.5100e-003 | 0.0000 | 16.1970 | 16.1970 | 3.4000e-004 | 0.0000 | 16.2055 |
| Total | 7.3600e-003 | 4.9000e-003 | 0.0538 | 1.8000e-004 | 0.0203 | 1.2000e-004 | 0.0204 | 5.4000e-003 | 1.2000e-004 | 5.5100e-003 | 0.0000 | 16.1970 | 16.1970 | 3.4000e-004 | 0.0000 | 16.2055 |

3.6 Site Clearance - 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 | | | | | |
| Fugitive Dust | | | | | 2.2600e-003 | 0.0000 | 2.2600e-003 | 2.5000e-004 | 0.0000 | 2.5000e-004 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.1628 | 1.3798 | 1.5952 | 3.5400e-003 | | 0.0631 | 0.0631 | | 0.0602 | 0.0602 | 0.0000 | 303.2224 | 303.2224 | 0.0742 | 0.0000 | 305.0770 |
| Total | 0.1628 | 1.3798 | 1.5952 | 3.5400e-003 | 2.2600e-003 | 0.0631 | 0.0654 | 2.5000e-004 | 0.0602 | 0.0604 | 0.0000 | 303.2224 | 303.2224 | 0.0742 | 0.0000 | 305.0770 |

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3.6 Site Clearance - 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 | 1.1800e-003 | 0.0393 | 9.1700e-003 | 1.2000e-004 | 2.7100e-003 | 1.1000e-004 | 2.8300e-003 | 7.5000e-004 | 1.1000e-004 | 8.6000e-004 | 0.0000 | 11.8861 | 11.8861 | 5.3000e-004 | 0.0000 | 11.8995 |
| 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 | 0.0112 | 7.4600e-003 | 0.0820 | 2.7000e-004 | 0.0309 | 1.9000e-004 | 0.0311 | 8.2300e-003 | 1.8000e-004 | 8.4000e-003 | 0.0000 | 24.6751 | 24.6751 | 5.2000e-004 | 0.0000 | 24.6881 |
| Total | 0.0124 | 0.0468 | 0.0912 | 3.9000e-004 | 0.0336 | 3.0000e-004 | 0.0340 | 8.9800e-003 | 2.9000e-004 | 9.2600e-003 | 0.0000 | 36.5612 | 36.5612 | 1.0500e-003 | 0.0000 | 36.5876 |

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 | | | | | 1.0200e-003 | 0.0000 | 1.0200e-003 | 1.1000e-004 | 0.0000 | 1.1000e-004 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.1628 | 1.3798 | 1.5952 | 3.5400e-003 | | 0.0631 | 0.0631 | | 0.0602 | 0.0602 | 0.0000 | 303.2220 | 303.2220 | 0.0742 | 0.0000 | 305.0766 |
| Total | 0.1628 | 1.3798 | 1.5952 | 3.5400e-003 | 1.0200e-003 | 0.0631 | 0.0642 | 1.1000e-004 | 0.0602 | 0.0603 | 0.0000 | 303.2220 | 303.2220 | 0.0742 | 0.0000 | 305.0766 |

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3.6 Site Clearance - 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 | 1.1800e-003 | 0.0393 | 9.1700e-003 | 1.2000e-004 | 2.7100e-003 | 1.1000e-004 | 2.8300e-003 | 7.5000e-004 | 1.1000e-004 | 8.6000e-004 | 0.0000 | 11.8861 | 11.8861 | 5.3000e-004 | 0.0000 | 11.8995 |
| 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 | 0.0112 | 7.4600e-003 | 0.0820 | 2.7000e-004 | 0.0309 | 1.9000e-004 | 0.0311 | 8.2300e-003 | 1.8000e-004 | 8.4000e-003 | 0.0000 | 24.6751 | 24.6751 | 5.2000e-004 | 0.0000 | 24.6881 |
| Total | 0.0124 | 0.0468 | 0.0912 | 3.9000e-004 | 0.0336 | 3.0000e-004 | 0.0340 | 8.9800e-003 | 2.9000e-004 | 9.2600e-003 | 0.0000 | 36.5612 | 36.5612 | 1.0500e-003 | 0.0000 | 36.5876 |

3.7 Superstructure - 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 | 0.0997 | 0.9101 | 0.9091 | 1.7500e-003 | | 0.0417 | 0.0417 | | 0.0403 | 0.0403 | 0.0000 | 147.9542 | 147.9542 | 0.0249 | 0.0000 | 148.5757 |
| Total | 0.0997 | 0.9101 | 0.9091 | 1.7500e-003 | | 0.0417 | 0.0417 | | 0.0403 | 0.0403 | 0.0000 | 147.9542 | 147.9542 | 0.0249 | 0.0000 | 148.5757 |

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3.7 Superstructure - 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 | 0.0109 | 0.3473 | 0.0921 | 9.6000e-004 | 0.0235 | 7.1000e-004 | 0.0242 | 6.8000e-003 | 6.8000e-004 | 7.4800e-003 | 0.0000 | 91.7171 | 91.7171 | 3.8500e-003 | 0.0000 | 91.8134 |
| Worker | 0.0150 | 9.9500e-003 | 0.1093 | 3.6000e-004 | 0.0412 | 2.5000e-004 | 0.0415 | 0.0110 | 2.3000e-004 | 0.0112 | 0.0000 | 32.9001 | 32.9001 | 7.0000e-004 | 0.0000 | 32.9175 |
| Total | 0.0258 | 0.3572 | 0.2014 | 1.3200e-003 | 0.0648 | 9.6000e-004 | 0.0657 | 0.0178 | 9.1000e-004 | 0.0187 | 0.0000 | 124.6172 | 124.6172 | 4.5500e-003 | 0.0000 | 124.7309 |

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 | 0.0997 | 0.9101 | 0.9091 | 1.7500e-003 | | 0.0417 | 0.0417 | | 0.0403 | 0.0403 | 0.0000 | 147.9541 | 147.9541 | 0.0249 | 0.0000 | 148.5755 |
| Total | 0.0997 | 0.9101 | 0.9091 | 1.7500e-003 | | 0.0417 | 0.0417 | | 0.0403 | 0.0403 | 0.0000 | 147.9541 | 147.9541 | 0.0249 | 0.0000 | 148.5755 |

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3.7 Superstructure - 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 | 0.0109 | 0.3473 | 0.0921 | 9.6000e-004 | 0.0235 | 7.1000e-004 | 0.0242 | 6.8000e-003 | 6.8000e-004 | 7.4800e-003 | 0.0000 | 91.7171 | 91.7171 | 3.8500e-003 | 0.0000 | 91.8134 |
| Worker | 0.0150 | 9.9500e-003 | 0.1093 | 3.6000e-004 | 0.0412 | 2.5000e-004 | 0.0415 | 0.0110 | 2.3000e-004 | 0.0112 | 0.0000 | 32.9001 | 32.9001 | 7.0000e-004 | 0.0000 | 32.9175 |
| Total | 0.0258 | 0.3572 | 0.2014 | 1.3200e-003 | 0.0648 | 9.6000e-004 | 0.0657 | 0.0178 | 9.1000e-004 | 0.0187 | 0.0000 | 124.6172 | 124.6172 | 4.5500e-003 | 0.0000 | 124.7309 |

3.7 Superstructure - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0943 | 0.8483 | 0.9037 | 1.7500e-003 | | 0.0372 | 0.0372 | | 0.0360 | 0.0360 | 0.0000 | 147.9536 | 147.9536 | 0.0245 | 0.0000 | 148.5654 |
| Total | 0.0943 | 0.8483 | 0.9037 | 1.7500e-003 | | 0.0372 | 0.0372 | | 0.0360 | 0.0360 | 0.0000 | 147.9536 | 147.9536 | 0.0245 | 0.0000 | 148.5654 |

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3.7 Superstructure - 2023

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|-----------------|-----------------|--------------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 8.2000e-003 | 0.2632 | 0.0827 | 9.3000e-004 | 0.0235 | 3.1000e-004 | 0.0238 | 6.8000e-003 | 2.9000e-004 | 7.0900e-003 | 0.0000 | 89.1095 | 89.1095 | 3.2800e-003 | 0.0000 | 89.1915 |
| Worker | 0.0140 | 8.9500e-003 | 0.1006 | 3.5000e-004 | 0.0412 | 2.5000e-004 | 0.0415 | 0.0110 | 2.3000e-004 | 0.0112 | 0.0000 | 31.6504 | 31.6504 | 6.2000e-004 | 0.0000 | 31.6660 |
| Total | 0.0222 | 0.2721 | 0.1833 | 1.2800e-003 | 0.0648 | 5.6000e-004 | 0.0653 | 0.0178 | 5.2000e-004 | 0.0183 | 0.0000 | 120.7598 | 120.7598 | 3.9000e-003 | 0.0000 | 120.8574 |

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 | 0.0943 | 0.8483 | 0.9037 | 1.7500e-003 | | 0.0372 | 0.0372 | | 0.0360 | 0.0360 | 0.0000 | 147.9534 | 147.9534 | 0.0245 | 0.0000 | 148.5652 |
| Total | 0.0943 | 0.8483 | 0.9037 | 1.7500e-003 | | 0.0372 | 0.0372 | | 0.0360 | 0.0360 | 0.0000 | 147.9534 | 147.9534 | 0.0245 | 0.0000 | 148.5652 |

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3.7 Superstructure - 2023

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|-----------------|-----------------|--------------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 8.2000e-003 | 0.2632 | 0.0827 | 9.3000e-004 | 0.0235 | 3.1000e-004 | 0.0238 | 6.8000e-003 | 2.9000e-004 | 7.0900e-003 | 0.0000 | 89.1095 | 89.1095 | 3.2800e-003 | 0.0000 | 89.1915 |
| Worker | 0.0140 | 8.9500e-003 | 0.1006 | 3.5000e-004 | 0.0412 | 2.5000e-004 | 0.0415 | 0.0110 | 2.3000e-004 | 0.0112 | 0.0000 | 31.6504 | 31.6504 | 6.2000e-004 | 0.0000 | 31.6660 |
| Total | 0.0222 | 0.2721 | 0.1833 | 1.2800e-003 | 0.0648 | 5.6000e-004 | 0.0653 | 0.0178 | 5.2000e-004 | 0.0183 | 0.0000 | 120.7598 | 120.7598 | 3.9000e-003 | 0.0000 | 120.8574 |

3.8 Interior Construction 2 - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0996 | 0.8615 | 0.8728 | 1.7400e-003 | | 0.0385 | 0.0385 | | 0.0373 | 0.0373 | 0.0000 | 144.3220 | 144.3220 | 0.0220 | 0.0000 | 144.8717 |
| Total | 0.0996 | 0.8615 | 0.8728 | 1.7400e-003 | | 0.0385 | 0.0385 | | 0.0373 | 0.0373 | 0.0000 | 144.3220 | 144.3220 | 0.0220 | 0.0000 | 144.8717 |

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3.8 Interior Construction 2 - 2023

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|-----------------|-----------------|--------------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 8.2000e-003 | 0.2632 | 0.0827 | 9.3000e-004 | 0.0235 | 3.1000e-004 | 0.0238 | 6.8000e-003 | 2.9000e-004 | 7.0900e-003 | 0.0000 | 89.1095 | 89.1095 | 3.2800e-003 | 0.0000 | 89.1915 |
| Worker | 0.0140 | 8.9500e-003 | 0.1006 | 3.5000e-004 | 0.0412 | 2.5000e-004 | 0.0415 | 0.0110 | 2.3000e-004 | 0.0112 | 0.0000 | 31.6504 | 31.6504 | 6.2000e-004 | 0.0000 | 31.6660 |
| Total | 0.0222 | 0.2721 | 0.1833 | 1.2800e-003 | 0.0648 | 5.6000e-004 | 0.0653 | 0.0178 | 5.2000e-004 | 0.0183 | 0.0000 | 120.7598 | 120.7598 | 3.9000e-003 | 0.0000 | 120.8574 |

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 | 0.0996 | 0.8615 | 0.8728 | 1.7400e-003 | | 0.0385 | 0.0385 | | 0.0373 | 0.0373 | 0.0000 | 144.3218 | 144.3218 | 0.0220 | 0.0000 | 144.8715 |
| Total | 0.0996 | 0.8615 | 0.8728 | 1.7400e-003 | | 0.0385 | 0.0385 | | 0.0373 | 0.0373 | 0.0000 | 144.3218 | 144.3218 | 0.0220 | 0.0000 | 144.8715 |

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3.8 Interior Construction 2 - 2023

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|-----------------|-----------------|--------------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 8.2000e-003 | 0.2632 | 0.0827 | 9.3000e-004 | 0.0235 | 3.1000e-004 | 0.0238 | 6.8000e-003 | 2.9000e-004 | 7.0900e-003 | 0.0000 | 89.1095 | 89.1095 | 3.2800e-003 | 0.0000 | 89.1915 |
| Worker | 0.0140 | 8.9500e-003 | 0.1006 | 3.5000e-004 | 0.0412 | 2.5000e-004 | 0.0415 | 0.0110 | 2.3000e-004 | 0.0112 | 0.0000 | 31.6504 | 31.6504 | 6.2000e-004 | 0.0000 | 31.6660 |
| Total | 0.0222 | 0.2721 | 0.1833 | 1.2800e-003 | 0.0648 | 5.6000e-004 | 0.0653 | 0.0178 | 5.2000e-004 | 0.0183 | 0.0000 | 120.7598 | 120.7598 | 3.9000e-003 | 0.0000 | 120.8574 |

3.8 Interior Construction 2 - 2024

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0643 | 0.5505 | 0.5875 | 1.1700e-003 | | 0.0235 | 0.0235 | | 0.0228 | 0.0228 | 0.0000 | 97.6944 | 97.6944 | 0.0148 | 0.0000 | 98.0643 |
| Total | 0.0643 | 0.5505 | 0.5875 | 1.1700e-003 | | 0.0235 | 0.0235 | | 0.0228 | 0.0228 | 0.0000 | 97.6944 | 97.6944 | 0.0148 | 0.0000 | 98.0643 |

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3.8 Interior Construction 2 - 2024

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | 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 | 5.3700e-003 | 0.1759 | 0.0541 | 6.2000e-004 | 0.0159 | 2.0000e-004 | 0.0161 | 4.6000e-003 | 2.0000e-004 | 4.8000e-003 | 0.0000 | 59.9169 | 59.9169 | 2.1800e-003 | 0.0000 | 59.9713 |
| Worker | 8.9200e-003 | 5.4800e-003 | 0.0631 | 2.3000e-004 | 0.0279 | 1.7000e-004 | 0.0281 | 7.4200e-003 | 1.5000e-004 | 7.5800e-003 | 0.0000 | 20.5833 | 20.5833 | 3.8000e-004 | 0.0000 | 20.5928 |
| Total | 0.0143 | 0.1814 | 0.1172 | 8.5000e-004 | 0.0438 | 3.7000e-004 | 0.0442 | 0.0120 | 3.5000e-004 | 0.0124 | 0.0000 | 80.5002 | 80.5002 | 2.5600e-003 | 0.0000 | 80.5641 |

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 | 0.0643 | 0.5505 | 0.5875 | 1.1700e-003 | | 0.0235 | 0.0235 | | 0.0228 | 0.0228 | 0.0000 | 97.6943 | 97.6943 | 0.0148 | 0.0000 | 98.0642 |
| Total | 0.0643 | 0.5505 | 0.5875 | 1.1700e-003 | | 0.0235 | 0.0235 | | 0.0228 | 0.0228 | 0.0000 | 97.6943 | 97.6943 | 0.0148 | 0.0000 | 98.0642 |

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3.8 Interior Construction 2 - 2024

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | 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 | 5.3700e-003 | 0.1759 | 0.0541 | 6.2000e-004 | 0.0159 | 2.0000e-004 | 0.0161 | 4.6000e-003 | 2.0000e-004 | 4.8000e-003 | 0.0000 | 59.9169 | 59.9169 | 2.1800e-003 | 0.0000 | 59.9713 |
| Worker | 8.9200e-003 | 5.4800e-003 | 0.0631 | 2.3000e-004 | 0.0279 | 1.7000e-004 | 0.0281 | 7.4200e-003 | 1.5000e-004 | 7.5800e-003 | 0.0000 | 20.5833 | 20.5833 | 3.8000e-004 | 0.0000 | 20.5928 |
| Total | 0.0143 | 0.1814 | 0.1172 | 8.5000e-004 | 0.0438 | 3.7000e-004 | 0.0442 | 0.0120 | 3.5000e-004 | 0.0124 | 0.0000 | 80.5002 | 80.5002 | 2.5600e-003 | 0.0000 | 80.5641 |

3.9 Interior Finishes 2 - 2024

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 0.8631 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0864 | 0.6890 | 0.8856 | 1.6000e-003 | | 0.0297 | 0.0297 | | 0.0294 | 0.0294 | 0.0000 | 131.0740 | 131.0740 | 0.0132 | 0.0000 | 131.4036 |
| Total | 0.9495 | 0.6890 | 0.8856 | 1.6000e-003 | | 0.0297 | 0.0297 | | 0.0294 | 0.0294 | 0.0000 | 131.0740 | 131.0740 | 0.0132 | 0.0000 | 131.4036 |

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3.9 Interior Finishes 2 - 2024

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | 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 | 0.0155 | 9.5200e-003 | 0.1098 | 4.0000e-004 | 0.0485 | 2.9000e-004 | 0.0488 | 0.0129 | 2.6000e-004 | 0.0132 | 0.0000 | 35.7869 | 35.7869 | 6.6000e-004 | 0.0000 | 35.8034 |
| Total | 0.0155 | 9.5200e-003 | 0.1098 | 4.0000e-004 | 0.0485 | 2.9000e-004 | 0.0488 | 0.0129 | 2.6000e-004 | 0.0132 | 0.0000 | 35.7869 | 35.7869 | 6.6000e-004 | 0.0000 | 35.8034 |

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 | 0.8631 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0864 | 0.6890 | 0.8856 | 1.6000e-003 | | 0.0297 | 0.0297 | | 0.0294 | 0.0294 | 0.0000 | 131.0738 | 131.0738 | 0.0132 | 0.0000 | 131.4034 |
| Total | 0.9495 | 0.6890 | 0.8856 | 1.6000e-003 | | 0.0297 | 0.0297 | | 0.0294 | 0.0294 | 0.0000 | 131.0738 | 131.0738 | 0.0132 | 0.0000 | 131.4034 |

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3.9 Interior Finishes 2 - 2024

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | 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 | 0.0155 | 9.5200e-003 | 0.1098 | 4.0000e-004 | 0.0485 | 2.9000e-004 | 0.0488 | 0.0129 | 2.6000e-004 | 0.0132 | 0.0000 | 35.7869 | 35.7869 | 6.6000e-004 | 0.0000 | 35.8034 |
| Total | 0.0155 | 9.5200e-003 | 0.1098 | 4.0000e-004 | 0.0485 | 2.9000e-004 | 0.0488 | 0.0129 | 2.6000e-004 | 0.0132 | 0.0000 | 35.7869 | 35.7869 | 6.6000e-004 | 0.0000 | 35.8034 |

3.10 Site Work - 2024

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0496 | 0.4567 | 0.4998 | 1.0100e-003 | | 0.0204 | 0.0204 | | 0.0188 | 0.0188 | 0.0000 | 88.1806 | 88.1806 | 0.0283 | 0.0000 | 88.8873 |
| Paving | 2.2800e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.0518 | 0.4567 | 0.4998 | 1.0100e-003 | | 0.0204 | 0.0204 | | 0.0188 | 0.0188 | 0.0000 | 88.1806 | 88.1806 | 0.0283 | 0.0000 | 88.8873 |

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3.10 Site Work - 2024

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | 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 | 1.6000e-003 | 9.8000e-004 | 0.0113 | 4.0000e-005 | 5.0000e-003 | 3.0000e-005 | 5.0300e-003 | 1.3300e-003 | 3.0000e-005 | 1.3600e-003 | 0.0000 | 3.6839 | 3.6839 | 7.0000e-005 | 0.0000 | 3.6857 |
| Total | 1.6000e-003 | 9.8000e-004 | 0.0113 | 4.0000e-005 | 5.0000e-003 | 3.0000e-005 | 5.0300e-003 | 1.3300e-003 | 3.0000e-005 | 1.3600e-003 | 0.0000 | 3.6839 | 3.6839 | 7.0000e-005 | 0.0000 | 3.6857 |

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 | 0.0496 | 0.4567 | 0.4998 | 1.0100e-003 | | 0.0204 | 0.0204 | | 0.0188 | 0.0188 | 0.0000 | 88.1805 | 88.1805 | 0.0283 | 0.0000 | 88.8872 |
| Paving | 2.2800e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.0518 | 0.4567 | 0.4998 | 1.0100e-003 | | 0.0204 | 0.0204 | | 0.0188 | 0.0188 | 0.0000 | 88.1805 | 88.1805 | 0.0283 | 0.0000 | 88.8872 |

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3.10 Site Work - 2024

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | 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 | 1.6000e-003 | 9.8000e-004 | 0.0113 | 4.0000e-005 | 5.0000e-003 | 3.0000e-005 | 5.0300e-003 | 1.3300e-003 | 3.0000e-005 | 1.3600e-003 | 0.0000 | 3.6839 | 3.6839 | 7.0000e-005 | 0.0000 | 3.6857 |
| Total | 1.6000e-003 | 9.8000e-004 | 0.0113 | 4.0000e-005 | 5.0000e-003 | 3.0000e-005 | 5.0300e-003 | 1.3300e-003 | 3.0000e-005 | 1.3600e-003 | 0.0000 | 3.6839 | 3.6839 | 7.0000e-005 | 0.0000 | 3.6857 |

3.10 Site Work - 2025

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 | 0.0477 | 0.4284 | 0.5065 | 1.0300e-003 | | 0.0184 | 0.0184 | | 0.0170 | 0.0170 | 0.0000 | 90.2707 | 90.2707 | 0.0289 | 0.0000 | 90.9942 |
| Paving | 2.3400e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.0500 | 0.4284 | 0.5065 | 1.0300e-003 | | 0.0184 | 0.0184 | | 0.0170 | 0.0170 | 0.0000 | 90.2707 | 90.2707 | 0.0289 | 0.0000 | 90.9942 |

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3.10 Site Work - 2025

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 | 1.5500e-003 | 9.1000e-004 | 0.0107 | 4.0000e-005 | 5.1200e-003 | 3.0000e-005 | 5.1500e-003 | 1.3600e-003 | 3.0000e-005 | 1.3900e-003 | 0.0000 | 3.6191 | 3.6191 | 6.0000e-005 | 0.0000 | 3.6207 |
| Total | 1.5500e-003 | 9.1000e-004 | 0.0107 | 4.0000e-005 | 5.1200e-003 | 3.0000e-005 | 5.1500e-003 | 1.3600e-003 | 3.0000e-005 | 1.3900e-003 | 0.0000 | 3.6191 | 3.6191 | 6.0000e-005 | 0.0000 | 3.6207 |

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 | 0.0477 | 0.4284 | 0.5065 | 1.0300e-003 | | 0.0184 | 0.0184 | | 0.0170 | 0.0170 | 0.0000 | 90.2706 | 90.2706 | 0.0289 | 0.0000 | 90.9941 |
| Paving | 2.3400e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.0500 | 0.4284 | 0.5065 | 1.0300e-003 | | 0.0184 | 0.0184 | | 0.0170 | 0.0170 | 0.0000 | 90.2706 | 90.2706 | 0.0289 | 0.0000 | 90.9941 |

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3.10 Site Work - 2025

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 | 1.5500e-003 | 9.1000e-004 | 0.0107 | 4.0000e-005 | 5.1200e-003 | 3.0000e-005 | 5.1500e-003 | 1.3600e-003 | 3.0000e-005 | 1.3900e-003 | 0.0000 | 3.6191 | 3.6191 | 6.0000e-005 | 0.0000 | 3.6207 |
| Total | 1.5500e-003 | 9.1000e-004 | 0.0107 | 4.0000e-005 | 5.1200e-003 | 3.0000e-005 | 5.1500e-003 | 1.3600e-003 | 3.0000e-005 | 1.3900e-003 | 0.0000 | 3.6191 | 3.6191 | 6.0000e-005 | 0.0000 | 3.6207 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

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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 | 0.2233 | 0.8724 | 2.3631 | 8.8900e-003 | 0.9202 | 7.0800e-003 | 0.9272 | 0.2463 | 6.5800e-003 | 0.2529 | 0.0000 | 816.9526 | 816.9526 | 0.0257 | 0.0000 | 817.5939 |
| Unmitigated | 0.2412 | 0.9682 | 2.8137 | 0.0111 | 1.1683 | 8.6500e-003 | 1.1770 | 0.3127 | 8.0400e-003 | 0.3207 | 0.0000 | 1,017.3212 | 1,017.3212 | 0.0306 | 0.0000 | 1,018.0862 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|-------------------------|-------------------------|---------------|---------------|------------------|------------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Apartments Mid Rise | 544.00 | 544.00 | 544.00 | 1,256,426 | 989,574 |
| General Office Building | 1,104.81 | 0.00 | 0.00 | 1,885,870 | 1,485,330 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | | |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Total | 1,648.81 | 544.00 | 544.00 | 3,142,297 | 2,474,904 |

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 |
| Apartments Mid Rise | 10.80 | 4.80 | 5.70 | 31.00 | 15.00 | 54.00 | 86 | 11 | 3 |
| General Office Building | 9.50 | 7.30 | 7.30 | 33.00 | 48.00 | 19.00 | 77 | 19 | 4 |
| Other Asphalt Surfaces | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Parking Lot | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |

4.4 Fleet Mix

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| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|-------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Apartments Mid Rise | 0.618126 | 0.034987 | 0.181060 | 0.102744 | 0.012808 | 0.005030 | 0.012887 | 0.022139 | 0.002195 | 0.001502 | 0.005204 | 0.000638 | 0.000681 |
| General Office Building | 0.618126 | 0.034987 | 0.181060 | 0.102744 | 0.012808 | 0.005030 | 0.012887 | 0.022139 | 0.002195 | 0.001502 | 0.005204 | 0.000638 | 0.000681 |
| Other Asphalt Surfaces | 0.618126 | 0.034987 | 0.181060 | 0.102744 | 0.012808 | 0.005030 | 0.012887 | 0.022139 | 0.002195 | 0.001502 | 0.005204 | 0.000638 | 0.000681 |
| Parking Lot | 0.618126 | 0.034987 | 0.181060 | 0.102744 | 0.012808 | 0.005030 | 0.012887 | 0.022139 | 0.002195 | 0.001502 | 0.005204 | 0.000638 | 0.000681 |

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|---------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|----------|
| | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Electricity Mitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 228.8227 | 228.8227 | 0.0322 | 6.6600e-003 | 231.6141 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 228.8227 | 228.8227 | 0.0322 | 6.6600e-003 | 231.6141 |
| NaturalGas Mitigated | 0.0147 | 0.1308 | 0.0934 | 8.0000e-004 | | 0.0101 | 0.0101 | | 0.0101 | 0.0101 | 0.0000 | 145.1919 | 145.1919 | 2.7800e-003 | 2.6600e-003 | 146.0547 |
| NaturalGas Unmitigated | 0.0147 | 0.1308 | 0.0934 | 8.0000e-004 | | 0.0101 | 0.0101 | | 0.0101 | 0.0101 | 0.0000 | 145.1919 | 145.1919 | 2.7800e-003 | 2.6600e-003 | 146.0547 |

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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 | | | | | |
| Apartments Mid Rise | 863945 | 4.6600e-003 | 0.0398 | 0.0169 | 2.5000e-004 | | 3.2200e-003 | 3.2200e-003 | | 3.2200e-003 | 3.2200e-003 | 0.0000 | 46.1034 | 46.1034 | 8.8000e-004 | 8.5000e-004 | 46.3774 |
| General Office Building | 1.85685e+006 | 0.0100 | 0.0910 | 0.0765 | 5.5000e-004 | | 6.9200e-003 | 6.9200e-003 | | 6.9200e-003 | 6.9200e-003 | 0.0000 | 99.0885 | 99.0885 | 1.9000e-003 | 1.8200e-003 | 99.6774 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0147 | 0.1308 | 0.0934 | 8.0000e-004 | | 0.0101 | 0.0101 | | 0.0101 | 0.0101 | 0.0000 | 145.1919 | 145.1919 | 2.7800e-003 | 2.6700e-003 | 146.0547 |

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5.2 Energy by Land Use - NaturalGas

Mitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Apartments Mid Rise | 863945 | 4.6600e-003 | 0.0398 | 0.0169 | 2.5000e-004 | | 3.2200e-003 | 3.2200e-003 | | 3.2200e-003 | 3.2200e-003 | 0.0000 | 46.1034 | 46.1034 | 8.8000e-004 | 8.5000e-004 | 46.3774 |
| General Office Building | 1.85685e+006 | 0.0100 | 0.0910 | 0.0765 | 5.5000e-004 | | 6.9200e-003 | 6.9200e-003 | | 6.9200e-003 | 6.9200e-003 | 0.0000 | 99.0885 | 99.0885 | 1.9000e-003 | 1.8200e-003 | 99.6774 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0147 | 0.1308 | 0.0934 | 8.0000e-004 | | 0.0101 | 0.0101 | | 0.0101 | 0.0101 | 0.0000 | 145.1919 | 145.1919 | 2.7800e-003 | 2.6700e-003 | 146.0547 |

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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 | | | |
| Apartments Mid Rise | 412835 | 38.5753 | 5.4300e-003 | 1.1200e-003 | 39.0459 |
| General Office Building | 2.02246e+006 | 188.9784 | 0.0266 | 5.5000e-003 | 191.2838 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 13580 | 1.2689 | 1.8000e-004 | 4.0000e-005 | 1.2844 |
| Total | | 228.8227 | 0.0322 | 6.6600e-003 | 231.6141 |

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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 | | | |
| Apartments Mid Rise | 412835 | 38.5753 | 5.4300e-003 | 1.1200e-003 | 39.0459 |
| General Office Building | 2.02246e+006 | 188.9784 | 0.0266 | 5.5000e-003 | 191.2838 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 13580 | 1.2689 | 1.8000e-004 | 4.0000e-005 | 1.2844 |
| Total | | 228.8227 | 0.0322 | 6.6600e-003 | 231.6141 |

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 | 0.6951 | 0.0120 | 0.7463 | 6.0000e-005 | | 4.4100e-003 | 4.4100e-003 | | 4.4100e-003 | 4.4100e-003 | 0.0000 | 5.2136 | 5.2136 | 1.2500e-003 | 7.0000e-005 | 5.2667 |
| Unmitigated | 0.6951 | 0.0120 | 0.7463 | 6.0000e-005 | | 4.4100e-003 | 4.4100e-003 | | 4.4100e-003 | 4.4100e-003 | 0.0000 | 5.2136 | 5.2136 | 1.2500e-003 | 7.0000e-005 | 5.2667 |

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 | 0.0863 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.5858 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Hearth | 4.0000e-004 | 3.4500e-003 | 1.4700e-003 | 2.0000e-005 | | 2.8000e-004 | 2.8000e-004 | | 2.8000e-004 | 2.8000e-004 | 0.0000 | 3.9949 | 3.9949 | 8.0000e-005 | 7.0000e-005 | 4.0186 |
| Landscaping | 0.0226 | 8.5700e-003 | 0.7448 | 4.0000e-005 | | 4.1300e-003 | 4.1300e-003 | | 4.1300e-003 | 4.1300e-003 | 0.0000 | 1.2187 | 1.2187 | 1.1800e-003 | 0.0000 | 1.2481 |
| Total | 0.6951 | 0.0120 | 0.7463 | 6.0000e-005 | | 4.4100e-003 | 4.4100e-003 | | 4.4100e-003 | 4.4100e-003 | 0.0000 | 5.2136 | 5.2136 | 1.2600e-003 | 7.0000e-005 | 5.2667 |

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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 | 0.0863 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.5858 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Hearth | 4.0000e-004 | 3.4500e-003 | 1.4700e-003 | 2.0000e-005 | | 2.8000e-004 | 2.8000e-004 | | 2.8000e-004 | 2.8000e-004 | 0.0000 | 3.9949 | 3.9949 | 8.0000e-005 | 7.0000e-005 | 4.0186 |
| Landscaping | 0.0226 | 8.5700e-003 | 0.7448 | 4.0000e-005 | | 4.1300e-003 | 4.1300e-003 | | 4.1300e-003 | 4.1300e-003 | 0.0000 | 1.2187 | 1.2187 | 1.1800e-003 | 0.0000 | 1.2481 |
| Total | 0.6951 | 0.0120 | 0.7463 | 6.0000e-005 | | 4.4100e-003 | 4.4100e-003 | | 4.4100e-003 | 4.4100e-003 | 0.0000 | 5.2136 | 5.2136 | 1.2600e-003 | 7.0000e-005 | 5.2667 |

7.0 Water Detail

7.1 Mitigation Measures Water

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| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|--------|---------|
| Category | MT/yr | | | |
| Mitigated | 27.3347 | 0.8719 | 0.0211 | 55.4119 |
| Unmitigated | 27.3347 | 0.8719 | 0.0211 | 55.4119 |

7.2 Water by Land Use

Unmitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|--------------------|----------------|---------------|---------------|----------------|
| Land Use | Mgal | MT/yr | | | |
| Apartments Mid Rise | 6.5154 / 4.10754 | 6.7046 | 0.2130 | 5.1500e-003 | 13.5626 |
| General Office Building | 20.1603 / 12.3563 | 20.6301 | 0.6589 | 0.0159 | 41.8493 |
| Other Asphalt Surfaces | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 27.3347 | 0.8719 | 0.0211 | 55.4119 |

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7.2 Water by Land Use

Mitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|--------------------|----------------|---------------|---------------|----------------|
| Land Use | Mgal | MT/yr | | | |
| Apartments Mid Rise | 6.5154 / 4.10754 | 6.7046 | 0.2130 | 5.1500e-003 | 13.5626 |
| General Office Building | 20.1603 / 12.3563 | 20.6301 | 0.6589 | 0.0159 | 41.8493 |
| Other Asphalt Surfaces | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 27.3347 | 0.8719 | 0.0211 | 55.4119 |

8.0 Waste Detail

8.1 Mitigation Measures Waste

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Category/Year

| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|--------|---------|
| | MT/yr | | | |
| Mitigated | 30.7511 | 1.8173 | 0.0000 | 76.1846 |
| Unmitigated | 30.7511 | 1.8173 | 0.0000 | 76.1846 |

8.2 Waste by Land Use

Unmitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|----------------|----------------|---------------|---------------|----------------|
| Land Use | tons | MT/yr | | | |
| Apartments Mid Rise | 46 | 9.3376 | 0.5518 | 0.0000 | 23.1335 |
| General Office Building | 105.49 | 21.4135 | 1.2655 | 0.0000 | 53.0511 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 30.7511 | 1.8173 | 0.0000 | 76.1846 |

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8.2 Waste by Land Use

Mitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|----------------|----------------|---------------|---------------|----------------|
| Land Use | tons | MT/yr | | | |
| Apartments Mid Rise | 46 | 9.3376 | 0.5518 | 0.0000 | 23.1335 |
| General Office Building | 105.49 | 21.4135 | 1.2655 | 0.0000 | 53.0511 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 30.7511 | 1.8173 | 0.0000 | 76.1846 |

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation
