

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

**Golden Oaks - 6018 Norwalk Boulevard
South Coast AQMD Air District, Summer**

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|----------------------|-------|---------------|-------------|--------------------|------------|
| Retirement Community | 25.00 | Dwelling Unit | 0.47 | 18,000.00 | 72 |

1.2 Other Project Characteristics

| | | | | | |
|--------------------------------|----------------------------|--------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 31 |
| Climate Zone | 9 | | | Operational Year | 2024 |
| Utility Company | Southern California Edison | | | | |
| CO2 Intensity (lb/MWhr) | 390.98 | CH4 Intensity (lb/MWhr) | 0.033 | N2O Intensity (lb/MWhr) | 0.004 |

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 25-Unit Senior Citizen Housing Development on 0.47 acres.
Demolition of 10,200 square feet of existing structures.
Export of 595 cubic yards.

Land Use - Size of parcel provided by Applicant.

Construction Phase -

Grading - Applicant Estimates

Demolition -

Land Use Change -

Sequestration -

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

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Water Mitigation -

Waste Mitigation -

Woodstoves - Architect's Plans

| Table Name | Column Name | Default Value | New Value |
|----------------------|----------------------------|---------------|------------|
| tblAreaMitigation | UseLowVOCPaintParkingCheck | False | True |
| tblConstructionPhase | PhaseStartDate | 10/14/2023 | 10/16/2023 |
| tblFireplaces | FireplaceDayYear | 25.00 | 0.00 |
| tblFireplaces | FireplaceHourDay | 3.00 | 0.00 |
| tblFireplaces | FireplaceWoodMass | 1,019.20 | 0.00 |
| tblFireplaces | NumberGas | 21.25 | 0.00 |
| tblFireplaces | NumberNoFireplace | 2.50 | 0.00 |
| tblFireplaces | NumberWood | 1.25 | 0.00 |
| tblGrading | AcresOfGrading | 1.50 | 0.00 |
| tblGrading | AcresOfGrading | 0.50 | 0.47 |
| tblGrading | MaterialExported | 0.00 | 595.00 |
| tblLandUse | LandUseSquareFeet | 25,000.00 | 18,000.00 |
| tblLandUse | LotAcreage | 5.00 | 0.47 |
| tblSequestration | NumberOfNewTrees | 0.00 | 11.00 |
| tblWoodstoves | NumberCatalytic | 1.25 | 0.00 |
| tblWoodstoves | NumberNoncatalytic | 1.25 | 0.00 |
| tblWoodstoves | WoodstoveDayYear | 25.00 | 0.00 |
| tblWoodstoves | WoodstoveWoodMass | 999.60 | 0.00 |

2.0 Emissions Summary

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2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|----------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|---------------|-------------------|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2023 | 1.0388 | 14.6529 | 7.9002 | 0.0360 | 5.2868 | 0.4544 | 5.7412 | 2.6889 | 0.4193 | 3.1082 | 0.0000 | 3,770.2350 | 3,770.2350 | 0.5726 | 0.3712 | 3,895.1765 |
| 2024 | 22.7188 | 6.1178 | 7.7003 | 0.0137 | 0.2204 | 0.2841 | 0.5045 | 0.0589 | 0.2614 | 0.3203 | 0.0000 | 1,339.4268 | 1,339.4268 | 0.3633 | 0.0122 | 1,352.1414 |
| Maximum | 22.7188 | 14.6529 | 7.9002 | 0.0360 | 5.2868 | 0.4544 | 5.7412 | 2.6889 | 0.4193 | 3.1082 | 0.0000 | 3,770.2350 | 3,770.2350 | 0.5726 | 0.3712 | 3,895.1765 |

Mitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|----------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|---------------|-------------------|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2023 | 1.0388 | 14.6529 | 7.9002 | 0.0360 | 2.7842 | 0.4544 | 3.2386 | 1.3206 | 0.4193 | 1.7399 | 0.0000 | 3,770.2350 | 3,770.2350 | 0.5726 | 0.3712 | 3,895.1765 |
| 2024 | 22.7188 | 6.1178 | 7.7003 | 0.0137 | 0.2204 | 0.2841 | 0.5045 | 0.0589 | 0.2614 | 0.3203 | 0.0000 | 1,339.4268 | 1,339.4268 | 0.3633 | 0.0122 | 1,352.1414 |
| Maximum | 22.7188 | 14.6529 | 7.9002 | 0.0360 | 2.7842 | 0.4544 | 3.2386 | 1.3206 | 0.4193 | 1.7399 | 0.0000 | 3,770.2350 | 3,770.2350 | 0.5726 | 0.3712 | 3,895.1765 |

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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 | 45.44 | 0.00 | 40.07 | 49.80 | 0.00 | 39.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 0.4493 | 0.0238 | 2.0617 | 1.1000e-004 | | 0.0114 | 0.0114 | | 0.0114 | 0.0114 | 0.0000 | 3.7138 | 3.7138 | 3.5600e-003 | 0.0000 | 3.8029 |
| Energy | 0.0117 | 0.1002 | 0.0426 | 6.4000e-004 | | 8.1000e-003 | 8.1000e-003 | | 8.1000e-003 | 8.1000e-003 | | 127.8957 | 127.8957 | 2.4500e-003 | 2.3400e-003 | 128.6557 |
| Mobile | 0.1775 | 0.1898 | 1.8061 | 4.1200e-003 | 0.4320 | 2.9100e-003 | 0.4349 | 0.1151 | 2.7000e-003 | 0.1178 | | 426.7765 | 426.7765 | 0.0254 | 0.0171 | 432.5112 |
| Total | 0.6385 | 0.3137 | 3.9104 | 4.8700e-003 | 0.4320 | 0.0224 | 0.4544 | 0.1151 | 0.0222 | 0.1374 | 0.0000 | 558.3860 | 558.3860 | 0.0314 | 0.0195 | 564.9698 |

Mitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 0.4493 | 0.0238 | 2.0617 | 1.1000e-004 | | 0.0114 | 0.0114 | | 0.0114 | 0.0114 | 0.0000 | 3.7138 | 3.7138 | 3.5600e-003 | 0.0000 | 3.8029 |
| Energy | 0.0117 | 0.1002 | 0.0426 | 6.4000e-004 | | 8.1000e-003 | 8.1000e-003 | | 8.1000e-003 | 8.1000e-003 | | 127.8957 | 127.8957 | 2.4500e-003 | 2.3400e-003 | 128.6557 |
| Mobile | 0.1676 | 0.1732 | 1.6386 | 3.6800e-003 | 0.3849 | 2.6200e-003 | 0.3875 | 0.1026 | 2.4300e-003 | 0.1050 | | 381.2219 | 381.2219 | 0.0233 | 0.0156 | 386.4571 |
| Total | 0.6286 | 0.2971 | 3.7429 | 4.4300e-003 | 0.3849 | 0.0222 | 0.4071 | 0.1026 | 0.0220 | 0.1245 | 0.0000 | 512.8313 | 512.8313 | 0.0293 | 0.0180 | 518.9157 |

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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 | 1.55 | 5.29 | 4.28 | 9.03 | 10.90 | 1.29 | 10.43 | 10.90 | 1.21 | 9.33 | 0.00 | 8.16 | 8.16 | 6.63 | 7.76 | 8.15 |

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1 | Demolition | Demolition | 10/2/2023 | 10/13/2023 | 5 | 10 | |
| 2 | Site Preparation | Site Preparation | 10/16/2023 | 10/16/2023 | 5 | 1 | |
| 3 | Grading | Grading | 10/17/2023 | 10/18/2023 | 5 | 2 | |
| 4 | Building Construction | Building Construction | 10/19/2023 | 3/6/2024 | 5 | 100 | |
| 5 | Paving | Paving | 3/7/2024 | 3/13/2024 | 5 | 5 | |
| 6 | Architectural Coating | Architectural Coating | 3/14/2024 | 3/20/2024 | 5 | 5 | |

Acres of Grading (Site Preparation Phase): 0.47

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 36,450; Residential Outdoor: 12,150; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|--------------------------|--------|-------------|-------------|-------------|
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |
| Paving | Cement and Mortar Mixers | 4 | 6.00 | 9 | 0.56 |
| Demolition | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Building Construction | Cranes | 1 | 4.00 | 231 | 0.29 |
| Building Construction | Forklifts | 2 | 6.00 | 89 | 0.20 |

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| | | | | | |
|-----------------------|---------------------------|---|------|-----|------|
| Grading | Graders | 1 | 6.00 | 187 | 0.41 |
| Site Preparation | Graders | 1 | 8.00 | 187 | 0.41 |
| Paving | Pavers | 1 | 7.00 | 130 | 0.42 |
| Paving | Rollers | 1 | 7.00 | 80 | 0.38 |
| Demolition | Rubber Tired Dozers | 1 | 1.00 | 247 | 0.40 |
| Grading | Rubber Tired Dozers | 1 | 6.00 | 247 | 0.40 |
| Building Construction | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Demolition | Tractors/Loaders/Backhoes | 2 | 6.00 | 97 | 0.37 |
| Grading | Tractors/Loaders/Backhoes | 1 | 7.00 | 97 | 0.37 |
| Paving | Tractors/Loaders/Backhoes | 1 | 7.00 | 97 | 0.37 |
| Site Preparation | 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 |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Demolition | 4 | 10.00 | 0.00 | 46.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 2 | 5.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 3 | 8.00 | 0.00 | 74.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 5 | 18.00 | 3.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 7 | 18.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 4.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

Water Exposed Area

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3.2 Demolition - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 1.0040 | 0.0000 | 1.0040 | 0.1520 | 0.0000 | 0.1520 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.6463 | 5.7787 | 7.3926 | 0.0120 | | 0.2821 | 0.2821 | | 0.2698 | 0.2698 | | 1,148.4055 | 1,148.4055 | 0.2089 | | 1,153.6290 |
| Total | 0.6463 | 5.7787 | 7.3926 | 0.0120 | 1.0040 | 0.2821 | 1.2862 | 0.1520 | 0.2698 | 0.4218 | | 1,148.4055 | 1,148.4055 | 0.2089 | | 1,153.6290 |

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 9.9100e-003 | 0.5541 | 0.1558 | 2.6300e-003 | 0.0805 | 4.2000e-003 | 0.0847 | 0.0221 | 4.0200e-003 | 0.0261 | | 289.0918 | 289.0918 | 0.0161 | 0.0459 | 303.1802 |
| 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 |
| Worker | 0.0319 | 0.0214 | 0.3517 | 9.8000e-004 | 0.1118 | 6.3000e-004 | 0.1124 | 0.0296 | 5.8000e-004 | 0.0302 | | 100.1999 | 100.1999 | 2.4000e-003 | 2.2600e-003 | 100.9334 |
| Total | 0.0419 | 0.5755 | 0.5076 | 3.6100e-003 | 0.1922 | 4.8300e-003 | 0.1971 | 0.0517 | 4.6000e-003 | 0.0563 | | 389.2917 | 389.2917 | 0.0185 | 0.0482 | 404.1137 |

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3.2 Demolition - 2023

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 0.4518 | 0.0000 | 0.4518 | 0.0684 | 0.0000 | 0.0684 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.6463 | 5.7787 | 7.3926 | 0.0120 | | 0.2821 | 0.2821 | | 0.2698 | 0.2698 | 0.0000 | 1,148.4055 | 1,148.4055 | 0.2089 | | 1,153.6290 |
| Total | 0.6463 | 5.7787 | 7.3926 | 0.0120 | 0.4518 | 0.2821 | 0.7339 | 0.0684 | 0.2698 | 0.3382 | 0.0000 | 1,148.4055 | 1,148.4055 | 0.2089 | | 1,153.6290 |

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 9.9100e-003 | 0.5541 | 0.1558 | 2.6300e-003 | 0.0805 | 4.2000e-003 | 0.0847 | 0.0221 | 4.0200e-003 | 0.0261 | | 289.0918 | 289.0918 | 0.0161 | 0.0459 | 303.1802 |
| 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 |
| Worker | 0.0319 | 0.0214 | 0.3517 | 9.8000e-004 | 0.1118 | 6.3000e-004 | 0.1124 | 0.0296 | 5.8000e-004 | 0.0302 | | 100.1999 | 100.1999 | 2.4000e-003 | 2.2600e-003 | 100.9334 |
| Total | 0.0419 | 0.5755 | 0.5076 | 3.6100e-003 | 0.1922 | 4.8300e-003 | 0.1971 | 0.0517 | 4.6000e-003 | 0.0563 | | 389.2917 | 389.2917 | 0.0185 | 0.0482 | 404.1137 |

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3.3 Site Preparation - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 0.4984 | 0.0000 | 0.4984 | 0.0538 | 0.0000 | 0.0538 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.5348 | 6.1887 | 3.9239 | 9.7300e-003 | | 0.2266 | 0.2266 | | 0.2084 | 0.2084 | | 942.4317 | 942.4317 | 0.3048 | | 950.0517 |
| Total | 0.5348 | 6.1887 | 3.9239 | 9.7300e-003 | 0.4984 | 0.2266 | 0.7250 | 0.0538 | 0.2084 | 0.2623 | | 942.4317 | 942.4317 | 0.3048 | | 950.0517 |

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|----------------|----------------|--------------------|--------------------|----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 |
| Worker | 0.0160 | 0.0107 | 0.1759 | 4.9000e-004 | 0.0559 | 3.1000e-004 | 0.0562 | 0.0148 | 2.9000e-004 | 0.0151 | | 50.1000 | 50.1000 | 1.2000e-003 | 1.1300e-003 | 50.4667 |
| Total | 0.0160 | 0.0107 | 0.1759 | 4.9000e-004 | 0.0559 | 3.1000e-004 | 0.0562 | 0.0148 | 2.9000e-004 | 0.0151 | | 50.1000 | 50.1000 | 1.2000e-003 | 1.1300e-003 | 50.4667 |

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3.3 Site Preparation - 2023

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 0.2243 | 0.0000 | 0.2243 | 0.0242 | 0.0000 | 0.0242 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.5348 | 6.1887 | 3.9239 | 9.7300e-003 | | 0.2266 | 0.2266 | | 0.2084 | 0.2084 | 0.0000 | 942.4317 | 942.4317 | 0.3048 | | 950.0517 |
| Total | 0.5348 | 6.1887 | 3.9239 | 9.7300e-003 | 0.2243 | 0.2266 | 0.4509 | 0.0242 | 0.2084 | 0.2327 | 0.0000 | 942.4317 | 942.4317 | 0.3048 | | 950.0517 |

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|----------------|----------------|--------------------|--------------------|----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 |
| Worker | 0.0160 | 0.0107 | 0.1759 | 4.9000e-004 | 0.0559 | 3.1000e-004 | 0.0562 | 0.0148 | 2.9000e-004 | 0.0151 | | 50.1000 | 50.1000 | 1.2000e-003 | 1.1300e-003 | 50.4667 |
| Total | 0.0160 | 0.0107 | 0.1759 | 4.9000e-004 | 0.0559 | 3.1000e-004 | 0.0562 | 0.0148 | 2.9000e-004 | 0.0151 | | 50.1000 | 50.1000 | 1.2000e-003 | 1.1300e-003 | 50.4667 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 4.5502 | 0.0000 | 4.5502 | 2.4878 | 0.0000 | 2.4878 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.9335 | 10.1789 | 5.5516 | 0.0141 | | 0.4201 | 0.4201 | | 0.3865 | 0.3865 | | 1,364.771 3 | 1,364.771 3 | 0.4414 | | 1,375.806 2 |
| Total | 0.9335 | 10.1789 | 5.5516 | 0.0141 | 4.5502 | 0.4201 | 4.9703 | 2.4878 | 0.3865 | 2.8743 | | 1,364.771 3 | 1,364.771 3 | 0.4414 | | 1,375.806 2 |

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|---------------|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0797 | 4.4569 | 1.2534 | 0.0211 | 0.6472 | 0.0338 | 0.6810 | 0.1774 | 0.0323 | 0.2097 | | 2,325.303 8 | 2,325.303 8 | 0.1293 | 0.3694 | 2,438.623 6 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0256 | 0.0172 | 0.2814 | 7.8000e-004 | 0.0894 | 5.0000e-004 | 0.0899 | 0.0237 | 4.6000e-004 | 0.0242 | | 80.1599 | 80.1599 | 1.9200e-003 | 1.8100e-003 | 80.7468 |
| Total | 0.1053 | 4.4741 | 1.5348 | 0.0219 | 0.7366 | 0.0343 | 0.7709 | 0.2011 | 0.0328 | 0.2339 | | 2,405.463 7 | 2,405.463 7 | 0.1312 | 0.3712 | 2,519.370 3 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2023

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|-----|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 2.0476 | 0.0000 | 2.0476 | 1.1195 | 0.0000 | 1.1195 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.9335 | 10.1789 | 5.5516 | 0.0141 | | 0.4201 | 0.4201 | | 0.3865 | 0.3865 | 0.0000 | 1,364.771 3 | 1,364.771 3 | 0.4414 | | 1,375.806 2 |
| Total | 0.9335 | 10.1789 | 5.5516 | 0.0141 | 2.0476 | 0.4201 | 2.4677 | 1.1195 | 0.3865 | 1.5060 | 0.0000 | 1,364.771 3 | 1,364.771 3 | 0.4414 | | 1,375.806 2 |

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|---------------|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0797 | 4.4569 | 1.2534 | 0.0211 | 0.6472 | 0.0338 | 0.6810 | 0.1774 | 0.0323 | 0.2097 | | 2,325.303 8 | 2,325.303 8 | 0.1293 | 0.3694 | 2,438.623 6 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0256 | 0.0172 | 0.2814 | 7.8000e-004 | 0.0894 | 5.0000e-004 | 0.0899 | 0.0237 | 4.6000e-004 | 0.0242 | | 80.1599 | 80.1599 | 1.9200e-003 | 1.8100e-003 | 80.7468 |
| Total | 0.1053 | 4.4741 | 1.5348 | 0.0219 | 0.7366 | 0.0343 | 0.7709 | 0.2011 | 0.0328 | 0.2339 | | 2,405.463 7 | 2,405.463 7 | 0.1312 | 0.3712 | 2,519.370 3 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.6322 | 6.4186 | 7.0970 | 0.0114 | | 0.3203 | 0.3203 | | 0.2946 | 0.2946 | | 1,104.6089 | 1,104.6089 | 0.3573 | | 1,113.5402 |
| Total | 0.6322 | 6.4186 | 7.0970 | 0.0114 | | 0.3203 | 0.3203 | | 0.2946 | 0.2946 | | 1,104.6089 | 1,104.6089 | 0.3573 | | 1,113.5402 |

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|---------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 3.3200e-003 | 0.1089 | 0.0429 | 5.5000e-004 | 0.0192 | 6.3000e-004 | 0.0198 | 5.5300e-003 | 6.1000e-004 | 6.1400e-003 | | 58.8093 | 58.8093 | 1.9800e-003 | 8.5100e-003 | 61.3958 |
| Worker | 0.0575 | 0.0386 | 0.6331 | 1.7600e-003 | 0.2012 | 1.1300e-003 | 0.2023 | 0.0534 | 1.0400e-003 | 0.0544 | | 180.3599 | 180.3599 | 4.3200e-003 | 4.0700e-003 | 181.6802 |
| Total | 0.0608 | 0.1475 | 0.6760 | 2.3100e-003 | 0.2204 | 1.7600e-003 | 0.2222 | 0.0589 | 1.6500e-003 | 0.0605 | | 239.1691 | 239.1691 | 6.3000e-003 | 0.0126 | 243.0760 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.6322 | 6.4186 | 7.0970 | 0.0114 | | 0.3203 | 0.3203 | | 0.2946 | 0.2946 | 0.0000 | 1,104.6089 | 1,104.6089 | 0.3573 | | 1,113.5402 |
| Total | 0.6322 | 6.4186 | 7.0970 | 0.0114 | | 0.3203 | 0.3203 | | 0.2946 | 0.2946 | 0.0000 | 1,104.6089 | 1,104.6089 | 0.3573 | | 1,113.5402 |

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|---------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 3.3200e-003 | 0.1089 | 0.0429 | 5.5000e-004 | 0.0192 | 6.3000e-004 | 0.0198 | 5.5300e-003 | 6.1000e-004 | 6.1400e-003 | | 58.8093 | 58.8093 | 1.9800e-003 | 8.5100e-003 | 61.3958 |
| Worker | 0.0575 | 0.0386 | 0.6331 | 1.7600e-003 | 0.2012 | 1.1300e-003 | 0.2023 | 0.0534 | 1.0400e-003 | 0.0544 | | 180.3599 | 180.3599 | 4.3200e-003 | 4.0700e-003 | 181.6802 |
| Total | 0.0608 | 0.1475 | 0.6760 | 2.3100e-003 | 0.2204 | 1.7600e-003 | 0.2222 | 0.0589 | 1.6500e-003 | 0.0605 | | 239.1691 | 239.1691 | 6.3000e-003 | 0.0126 | 243.0760 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.5950 | 5.9739 | 7.0675 | 0.0114 | | 0.2824 | 0.2824 | | 0.2598 | 0.2598 | | 1,104.9834 | 1,104.9834 | 0.3574 | | 1,113.9177 |
| Total | 0.5950 | 5.9739 | 7.0675 | 0.0114 | | 0.2824 | 0.2824 | | 0.2598 | 0.2598 | | 1,104.9834 | 1,104.9834 | 0.3574 | | 1,113.9177 |

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|---------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 3.2400e-003 | 0.1094 | 0.0422 | 5.4000e-004 | 0.0192 | 6.4000e-004 | 0.0199 | 5.5300e-003 | 6.1000e-004 | 6.1400e-003 | | 57.9633 | 57.9633 | 1.9800e-003 | 8.4000e-003 | 60.5170 |
| Worker | 0.0537 | 0.0345 | 0.5906 | 1.7100e-003 | 0.2012 | 1.0900e-003 | 0.2023 | 0.0534 | 1.0000e-003 | 0.0544 | | 176.4802 | 176.4802 | 3.9100e-003 | 3.7900e-003 | 177.7067 |
| Total | 0.0569 | 0.1439 | 0.6328 | 2.2500e-003 | 0.2204 | 1.7300e-003 | 0.2221 | 0.0589 | 1.6100e-003 | 0.0605 | | 234.4434 | 234.4434 | 5.8900e-003 | 0.0122 | 238.2237 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.5950 | 5.9739 | 7.0675 | 0.0114 | | 0.2824 | 0.2824 | | 0.2598 | 0.2598 | 0.0000 | 1,104.9834 | 1,104.9834 | 0.3574 | | 1,113.9177 |
| Total | 0.5950 | 5.9739 | 7.0675 | 0.0114 | | 0.2824 | 0.2824 | | 0.2598 | 0.2598 | 0.0000 | 1,104.9834 | 1,104.9834 | 0.3574 | | 1,113.9177 |

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|---------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 3.2400e-003 | 0.1094 | 0.0422 | 5.4000e-004 | 0.0192 | 6.4000e-004 | 0.0199 | 5.5300e-003 | 6.1000e-004 | 6.1400e-003 | | 57.9633 | 57.9633 | 1.9800e-003 | 8.4000e-003 | 60.5170 |
| Worker | 0.0537 | 0.0345 | 0.5906 | 1.7100e-003 | 0.2012 | 1.0900e-003 | 0.2023 | 0.0534 | 1.0000e-003 | 0.0544 | | 176.4802 | 176.4802 | 3.9100e-003 | 3.7900e-003 | 177.7067 |
| Total | 0.0569 | 0.1439 | 0.6328 | 2.2500e-003 | 0.2204 | 1.7300e-003 | 0.2221 | 0.0589 | 1.6100e-003 | 0.0605 | | 234.4434 | 234.4434 | 5.8900e-003 | 0.0122 | 238.2237 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2024

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.5904 | 5.2297 | 7.0314 | 0.0113 | | 0.2429 | 0.2429 | | 0.2269 | 0.2269 | | 1,036.2393 | 1,036.2393 | 0.3019 | | 1,043.7858 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 0.5904 | 5.2297 | 7.0314 | 0.0113 | | 0.2429 | 0.2429 | | 0.2269 | 0.2269 | | 1,036.2393 | 1,036.2393 | 0.3019 | | 1,043.7858 |

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 |
| Worker | 0.0537 | 0.0345 | 0.5906 | 1.7100e-003 | 0.2012 | 1.0900e-003 | 0.2023 | 0.0534 | 1.0000e-003 | 0.0544 | | 176.4802 | 176.4802 | 3.9100e-003 | 3.7900e-003 | 177.7067 |
| Total | 0.0537 | 0.0345 | 0.5906 | 1.7100e-003 | 0.2012 | 1.0900e-003 | 0.2023 | 0.0534 | 1.0000e-003 | 0.0544 | | 176.4802 | 176.4802 | 3.9100e-003 | 3.7900e-003 | 177.7067 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2024

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.5904 | 5.2297 | 7.0314 | 0.0113 | | 0.2429 | 0.2429 | | 0.2269 | 0.2269 | 0.0000 | 1,036.2393 | 1,036.2393 | 0.3019 | | 1,043.7858 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 0.5904 | 5.2297 | 7.0314 | 0.0113 | | 0.2429 | 0.2429 | | 0.2269 | 0.2269 | 0.0000 | 1,036.2393 | 1,036.2393 | 0.3019 | | 1,043.7858 |

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 |
| Worker | 0.0537 | 0.0345 | 0.5906 | 1.7100e-003 | 0.2012 | 1.0900e-003 | 0.2023 | 0.0534 | 1.0000e-003 | 0.0544 | | 176.4802 | 176.4802 | 3.9100e-003 | 3.7900e-003 | 177.7067 |
| Total | 0.0537 | 0.0345 | 0.5906 | 1.7100e-003 | 0.2012 | 1.0900e-003 | 0.2023 | 0.0534 | 1.0000e-003 | 0.0544 | | 176.4802 | 176.4802 | 3.9100e-003 | 3.7900e-003 | 177.7067 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 22.5261 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1808 | 1.2188 | 1.8101 | 2.9700e-003 | | 0.0609 | 0.0609 | | 0.0609 | 0.0609 | | 281.4481 | 281.4481 | 0.0159 | | 281.8443 |
| Total | 22.7069 | 1.2188 | 1.8101 | 2.9700e-003 | | 0.0609 | 0.0609 | | 0.0609 | 0.0609 | | 281.4481 | 281.4481 | 0.0159 | | 281.8443 |

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|----------------|----------------|--------------------|--------------------|----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 |
| Worker | 0.0119 | 7.6700e-003 | 0.1313 | 3.8000e-004 | 0.0447 | 2.4000e-004 | 0.0450 | 0.0119 | 2.2000e-004 | 0.0121 | | 39.2178 | 39.2178 | 8.7000e-004 | 8.4000e-004 | 39.4904 |
| Total | 0.0119 | 7.6700e-003 | 0.1313 | 3.8000e-004 | 0.0447 | 2.4000e-004 | 0.0450 | 0.0119 | 2.2000e-004 | 0.0121 | | 39.2178 | 39.2178 | 8.7000e-004 | 8.4000e-004 | 39.4904 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2024

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 22.5261 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1808 | 1.2188 | 1.8101 | 2.9700e-003 | | 0.0609 | 0.0609 | | 0.0609 | 0.0609 | 0.0000 | 281.4481 | 281.4481 | 0.0159 | | 281.8443 |
| Total | 22.7069 | 1.2188 | 1.8101 | 2.9700e-003 | | 0.0609 | 0.0609 | | 0.0609 | 0.0609 | 0.0000 | 281.4481 | 281.4481 | 0.0159 | | 281.8443 |

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|----------------|----------------|--------------------|--------------------|----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 |
| Worker | 0.0119 | 7.6700e-003 | 0.1313 | 3.8000e-004 | 0.0447 | 2.4000e-004 | 0.0450 | 0.0119 | 2.2000e-004 | 0.0121 | | 39.2178 | 39.2178 | 8.7000e-004 | 8.4000e-004 | 39.4904 |
| Total | 0.0119 | 7.6700e-003 | 0.1313 | 3.8000e-004 | 0.0447 | 2.4000e-004 | 0.0450 | 0.0119 | 2.2000e-004 | 0.0121 | | 39.2178 | 39.2178 | 8.7000e-004 | 8.4000e-004 | 39.4904 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

Improve Pedestrian Network

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|----------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 0.1676 | 0.1732 | 1.6386 | 3.6800e-003 | 0.3849 | 2.6200e-003 | 0.3875 | 0.1026 | 2.4300e-003 | 0.1050 | | 381.2219 | 381.2219 | 0.0233 | 0.0156 | 386.4571 |
| Unmitigated | 0.1775 | 0.1898 | 1.8061 | 4.1200e-003 | 0.4320 | 2.9100e-003 | 0.4349 | 0.1151 | 2.7000e-003 | 0.1178 | | 426.7765 | 426.7765 | 0.0254 | 0.0171 | 432.5112 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|----------------------|-------------------------|----------|--------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Retirement Community | 60.00 | 50.75 | 48.75 | 195,022 | 173,764 |
| Total | 60.00 | 50.75 | 48.75 | 195,022 | 173,764 |

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 |
| Retirement Community | 14.70 | 5.90 | 8.70 | 40.20 | 19.20 | 40.60 | 86 | 11 | 3 |

4.4 Fleet Mix

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Retirement Community | 0.542450 | 0.061470 | 0.185138 | 0.129299 | 0.023799 | 0.006448 | 0.011958 | 0.009209 | 0.000810 | 0.000503 | 0.024446 | 0.000751 | 0.003721 |

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|--------|--------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|----------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 0.0117 | 0.1002 | 0.0426 | 6.4000e-004 | | 8.1000e-003 | 8.1000e-003 | | 8.1000e-003 | 8.1000e-003 | | 127.8957 | 127.8957 | 2.4500e-003 | 2.3400e-003 | 128.6557 |
| NaturalGas Unmitigated | 0.0117 | 0.1002 | 0.0426 | 6.4000e-004 | | 8.1000e-003 | 8.1000e-003 | | 8.1000e-003 | 8.1000e-003 | | 127.8957 | 127.8957 | 2.4500e-003 | 2.3400e-003 | 128.6557 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------|----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| Retirement Community | 1087.11 | 0.0117 | 0.1002 | 0.0426 | 6.4000e-004 | | 8.1000e-003 | 8.1000e-003 | | 8.1000e-003 | 8.1000e-003 | | 127.8957 | 127.8957 | 2.4500e-003 | 2.3400e-003 | 128.6557 |
| Total | | 0.0117 | 0.1002 | 0.0426 | 6.4000e-004 | | 8.1000e-003 | 8.1000e-003 | | 8.1000e-003 | 8.1000e-003 | | 127.8957 | 127.8957 | 2.4500e-003 | 2.3400e-003 | 128.6557 |

Mitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------|----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| Retirement Community | 1.08711 | 0.0117 | 0.1002 | 0.0426 | 6.4000e-004 | | 8.1000e-003 | 8.1000e-003 | | 8.1000e-003 | 8.1000e-003 | | 127.8957 | 127.8957 | 2.4500e-003 | 2.3400e-003 | 128.6557 |
| Total | | 0.0117 | 0.1002 | 0.0426 | 6.4000e-004 | | 8.1000e-003 | 8.1000e-003 | | 8.1000e-003 | 8.1000e-003 | | 127.8957 | 127.8957 | 2.4500e-003 | 2.3400e-003 | 128.6557 |

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Use Low VOC Paint - Residential Exterior

No Hearths Installed

Use Low VOC Cleaning Supplies

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|--------|--------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 0.4493 | 0.0238 | 2.0617 | 1.1000e-004 | | 0.0114 | 0.0114 | | 0.0114 | 0.0114 | 0.0000 | 3.7138 | 3.7138 | 3.5600e-003 | 0.0000 | 3.8029 |
| Unmitigated | 0.4493 | 0.0238 | 2.0617 | 1.1000e-004 | | 0.0114 | 0.0114 | | 0.0114 | 0.0114 | 0.0000 | 3.7138 | 3.7138 | 3.5600e-003 | 0.0000 | 3.8029 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Unmitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.0309 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.3564 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Hearth | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 0.0620 | 0.0238 | 2.0617 | 1.1000e-004 | | 0.0114 | 0.0114 | | 0.0114 | 0.0114 | | 3.7138 | 3.7138 | 3.5600e-003 | | 3.8029 |
| Total | 0.4493 | 0.0238 | 2.0617 | 1.1000e-004 | | 0.0114 | 0.0114 | | 0.0114 | 0.0114 | 0.0000 | 3.7138 | 3.7138 | 3.5600e-003 | 0.0000 | 3.8029 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.0309 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.3564 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Hearth | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 0.0620 | 0.0238 | 2.0617 | 1.1000e-004 | | 0.0114 | 0.0114 | | 0.0114 | 0.0114 | | 3.7138 | 3.7138 | 3.5600e-003 | | 3.8029 |
| Total | 0.4493 | 0.0238 | 2.0617 | 1.1000e-004 | | 0.0114 | 0.0114 | | 0.0114 | 0.0114 | 0.0000 | 3.7138 | 3.7138 | 3.5600e-003 | 0.0000 | 3.8029 |

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**8.0 Waste Detail**

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Golden Oaks - 6018 Norwalk Boulevard

South Coast AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|----------------------|-------|---------------|-------------|--------------------|------------|
| Retirement Community | 25.00 | Dwelling Unit | 0.47 | 18,000.00 | 72 |

1.2 Other Project Characteristics

| | | | | | |
|--------------------------------|----------------------------|--------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 31 |
| Climate Zone | 9 | | | Operational Year | 2024 |
| Utility Company | Southern California Edison | | | | |
| CO2 Intensity (lb/MWhr) | 390.98 | CH4 Intensity (lb/MWhr) | 0.033 | N2O Intensity (lb/MWhr) | 0.004 |

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 25-Unit Senior Citizen Housing Development on 0.47 acres.
 Demolition of 10,200 square feet of existing structures.
 Export of 595 cubic yards.

Land Use - Size of parcel provided by Applicant.

Construction Phase -

Grading - Applicant Estimates

Demolition -

Land Use Change -

Sequestration -

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Water Mitigation -

Waste Mitigation -

Woodstoves - Architect's Plans

| Table Name | Column Name | Default Value | New Value |
|----------------------|----------------------------|---------------|------------|
| tblAreaMitigation | UseLowVOCPaintParkingCheck | False | True |
| tblConstructionPhase | PhaseStartDate | 10/14/2023 | 10/16/2023 |
| tblFireplaces | FireplaceDayYear | 25.00 | 0.00 |
| tblFireplaces | FireplaceHourDay | 3.00 | 0.00 |
| tblFireplaces | FireplaceWoodMass | 1,019.20 | 0.00 |
| tblFireplaces | NumberGas | 21.25 | 0.00 |
| tblFireplaces | NumberNoFireplace | 2.50 | 0.00 |
| tblFireplaces | NumberWood | 1.25 | 0.00 |
| tblGrading | AcresOfGrading | 1.50 | 0.00 |
| tblGrading | AcresOfGrading | 0.50 | 0.47 |
| tblGrading | MaterialExported | 0.00 | 595.00 |
| tblLandUse | LandUseSquareFeet | 25,000.00 | 18,000.00 |
| tblLandUse | LotAcreage | 5.00 | 0.47 |
| tblSequestration | NumberOfNewTrees | 0.00 | 11.00 |
| tblWoodstoves | NumberCatalytic | 1.25 | 0.00 |
| tblWoodstoves | NumberNoncatalytic | 1.25 | 0.00 |
| tblWoodstoves | WoodstoveDayYear | 25.00 | 0.00 |
| tblWoodstoves | WoodstoveWoodMass | 999.60 | 0.00 |

2.0 Emissions Summary

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|----------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|---------------|------------------------|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2023 | 1.0349 | 14.8670 | 7.8691 | 0.0360 | 5.2868 | 0.4544 | 5.7413 | 2.6889 | 0.4193 | 3.1082 | 0.0000 | 3,768.202 2 | 3,768.202 2 | 0.5723 | 0.3718 | 3,893.295 7 |
| 2024 | 22.7195 | 6.1265 | 7.6458 | 0.0136 | 0.2204 | 0.2841 | 0.5045 | 0.0589 | 0.2614 | 0.3203 | 0.0000 | 1,329.297 7 | 1,329.297 7 | 0.3633 | 0.0125 | 1,342.088 2 |
| Maximum | 22.7195 | 14.8670 | 7.8691 | 0.0360 | 5.2868 | 0.4544 | 5.7413 | 2.6889 | 0.4193 | 3.1082 | 0.0000 | 3,768.202 2 | 3,768.202 2 | 0.5723 | 0.3718 | 3,893.295 7 |

Mitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|----------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|---------------|------------------------|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2023 | 1.0349 | 14.8670 | 7.8691 | 0.0360 | 2.7842 | 0.4544 | 3.2386 | 1.3206 | 0.4193 | 1.7399 | 0.0000 | 3,768.202 2 | 3,768.202 2 | 0.5723 | 0.3718 | 3,893.295 7 |
| 2024 | 22.7195 | 6.1265 | 7.6458 | 0.0136 | 0.2204 | 0.2841 | 0.5045 | 0.0589 | 0.2614 | 0.3203 | 0.0000 | 1,329.297 7 | 1,329.297 7 | 0.3633 | 0.0125 | 1,342.088 2 |
| Maximum | 22.7195 | 14.8670 | 7.8691 | 0.0360 | 2.7842 | 0.4544 | 3.2386 | 1.3206 | 0.4193 | 1.7399 | 0.0000 | 3,768.202 2 | 3,768.202 2 | 0.5723 | 0.3718 | 3,893.295 7 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| Percent Reduction | 0.00 | 0.00 | 0.00 | 0.00 | 45.44 | 0.00 | 40.07 | 49.80 | 0.00 | 39.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 0.4493 | 0.0238 | 2.0617 | 1.1000e-004 | | 0.0114 | 0.0114 | | 0.0114 | 0.0114 | 0.0000 | 3.7138 | 3.7138 | 3.5600e-003 | 0.0000 | 3.8029 |
| Energy | 0.0117 | 0.1002 | 0.0426 | 6.4000e-004 | | 8.1000e-003 | 8.1000e-003 | | 8.1000e-003 | 8.1000e-003 | | 127.8957 | 127.8957 | 2.4500e-003 | 2.3400e-003 | 128.6557 |
| Mobile | 0.1712 | 0.2039 | 1.7416 | 3.9300e-003 | 0.4320 | 2.9100e-003 | 0.4349 | 0.1151 | 2.7100e-003 | 0.1178 | | 406.9445 | 406.9445 | 0.0261 | 0.0178 | 412.8957 |
| Total | 0.6322 | 0.3278 | 3.8459 | 4.6800e-003 | 0.4320 | 0.0224 | 0.4544 | 0.1151 | 0.0222 | 0.1374 | 0.0000 | 538.5540 | 538.5540 | 0.0321 | 0.0201 | 545.3542 |

Mitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 0.4493 | 0.0238 | 2.0617 | 1.1000e-004 | | 0.0114 | 0.0114 | | 0.0114 | 0.0114 | 0.0000 | 3.7138 | 3.7138 | 3.5600e-003 | 0.0000 | 3.8029 |
| Energy | 0.0117 | 0.1002 | 0.0426 | 6.4000e-004 | | 8.1000e-003 | 8.1000e-003 | | 8.1000e-003 | 8.1000e-003 | | 127.8957 | 127.8957 | 2.4500e-003 | 2.3400e-003 | 128.6557 |
| Mobile | 0.1613 | 0.1861 | 1.5865 | 3.5100e-003 | 0.3849 | 2.6200e-003 | 0.3875 | 0.1026 | 2.4300e-003 | 0.1050 | | 363.5658 | 363.5658 | 0.0240 | 0.0162 | 369.0023 |
| Total | 0.6222 | 0.3100 | 3.6907 | 4.2600e-003 | 0.3849 | 0.0222 | 0.4071 | 0.1026 | 0.0220 | 0.1245 | 0.0000 | 495.1753 | 495.1753 | 0.0300 | 0.0186 | 501.4609 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| Percent Reduction | 1.57 | 5.44 | 4.03 | 8.97 | 10.90 | 1.29 | 10.43 | 10.90 | 1.26 | 9.33 | 0.00 | 8.05 | 8.05 | 6.45 | 7.70 | 8.05 |

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1 | Demolition | Demolition | 10/2/2023 | 10/13/2023 | 5 | 10 | |
| 2 | Site Preparation | Site Preparation | 10/16/2023 | 10/16/2023 | 5 | 1 | |
| 3 | Grading | Grading | 10/17/2023 | 10/18/2023 | 5 | 2 | |
| 4 | Building Construction | Building Construction | 10/19/2023 | 3/6/2024 | 5 | 100 | |
| 5 | Paving | Paving | 3/7/2024 | 3/13/2024 | 5 | 5 | |
| 6 | Architectural Coating | Architectural Coating | 3/14/2024 | 3/20/2024 | 5 | 5 | |

Acres of Grading (Site Preparation Phase): 0.47

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 36,450; Residential Outdoor: 12,150; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|--------------------------|--------|-------------|-------------|-------------|
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |
| Paving | Cement and Mortar Mixers | 4 | 6.00 | 9 | 0.56 |
| Demolition | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Building Construction | Cranes | 1 | 4.00 | 231 | 0.29 |
| Building Construction | Forklifts | 2 | 6.00 | 89 | 0.20 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

| | | | | | |
|-----------------------|---------------------------|---|------|-----|------|
| Grading | Graders | 1 | 6.00 | 187 | 0.41 |
| Site Preparation | Graders | 1 | 8.00 | 187 | 0.41 |
| Paving | Pavers | 1 | 7.00 | 130 | 0.42 |
| Paving | Rollers | 1 | 7.00 | 80 | 0.38 |
| Demolition | Rubber Tired Dozers | 1 | 1.00 | 247 | 0.40 |
| Grading | Rubber Tired Dozers | 1 | 6.00 | 247 | 0.40 |
| Building Construction | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Demolition | Tractors/Loaders/Backhoes | 2 | 6.00 | 97 | 0.37 |
| Grading | Tractors/Loaders/Backhoes | 1 | 7.00 | 97 | 0.37 |
| Paving | Tractors/Loaders/Backhoes | 1 | 7.00 | 97 | 0.37 |
| Site Preparation | 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 |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Demolition | 4 | 10.00 | 0.00 | 46.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 2 | 5.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 3 | 8.00 | 0.00 | 74.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 5 | 18.00 | 3.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 7 | 18.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 4.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

Water Exposed Area

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 1.0040 | 0.0000 | 1.0040 | 0.1520 | 0.0000 | 0.1520 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.6463 | 5.7787 | 7.3926 | 0.0120 | | 0.2821 | 0.2821 | | 0.2698 | 0.2698 | | 1,148.4055 | 1,148.4055 | 0.2089 | | 1,153.6290 |
| Total | 0.6463 | 5.7787 | 7.3926 | 0.0120 | 1.0040 | 0.2821 | 1.2862 | 0.1520 | 0.2698 | 0.4218 | | 1,148.4055 | 1,148.4055 | 0.2089 | | 1,153.6290 |

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 9.2500e-003 | 0.5805 | 0.1581 | 2.6300e-003 | 0.0805 | 4.2100e-003 | 0.0847 | 0.0221 | 4.0300e-003 | 0.0261 | | 289.4175 | 289.4175 | 0.0160 | 0.0460 | 303.5206 |
| 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 |
| Worker | 0.0337 | 0.0235 | 0.3183 | 9.2000e-004 | 0.1118 | 6.3000e-004 | 0.1124 | 0.0296 | 5.8000e-004 | 0.0302 | | 94.3849 | 94.3849 | 2.4300e-003 | 2.4000e-003 | 95.1601 |
| Total | 0.0430 | 0.6040 | 0.4764 | 3.5500e-003 | 0.1922 | 4.8400e-003 | 0.1971 | 0.0517 | 4.6100e-003 | 0.0563 | | 383.8024 | 383.8024 | 0.0185 | 0.0484 | 398.6807 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 0.4518 | 0.0000 | 0.4518 | 0.0684 | 0.0000 | 0.0684 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.6463 | 5.7787 | 7.3926 | 0.0120 | | 0.2821 | 0.2821 | | 0.2698 | 0.2698 | 0.0000 | 1,148.4055 | 1,148.4055 | 0.2089 | | 1,153.6290 |
| Total | 0.6463 | 5.7787 | 7.3926 | 0.0120 | 0.4518 | 0.2821 | 0.7339 | 0.0684 | 0.2698 | 0.3382 | 0.0000 | 1,148.4055 | 1,148.4055 | 0.2089 | | 1,153.6290 |

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 9.2500e-003 | 0.5805 | 0.1581 | 2.6300e-003 | 0.0805 | 4.2100e-003 | 0.0847 | 0.0221 | 4.0300e-003 | 0.0261 | | 289.4175 | 289.4175 | 0.0160 | 0.0460 | 303.5206 |
| 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 |
| Worker | 0.0337 | 0.0235 | 0.3183 | 9.2000e-004 | 0.1118 | 6.3000e-004 | 0.1124 | 0.0296 | 5.8000e-004 | 0.0302 | | 94.3849 | 94.3849 | 2.4300e-003 | 2.4000e-003 | 95.1601 |
| Total | 0.0430 | 0.6040 | 0.4764 | 3.5500e-003 | 0.1922 | 4.8400e-003 | 0.1971 | 0.0517 | 4.6100e-003 | 0.0563 | | 383.8024 | 383.8024 | 0.0185 | 0.0484 | 398.6807 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 0.4984 | 0.0000 | 0.4984 | 0.0538 | 0.0000 | 0.0538 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.5348 | 6.1887 | 3.9239 | 9.7300e-003 | | 0.2266 | 0.2266 | | 0.2084 | 0.2084 | | 942.4317 | 942.4317 | 0.3048 | | 950.0517 |
| Total | 0.5348 | 6.1887 | 3.9239 | 9.7300e-003 | 0.4984 | 0.2266 | 0.7250 | 0.0538 | 0.2084 | 0.2623 | | 942.4317 | 942.4317 | 0.3048 | | 950.0517 |

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|----------------|----------------|--------------------|--------------------|----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 |
| Worker | 0.0169 | 0.0117 | 0.1592 | 4.6000e-004 | 0.0559 | 3.1000e-004 | 0.0562 | 0.0148 | 2.9000e-004 | 0.0151 | | 47.1925 | 47.1925 | 1.2200e-003 | 1.2000e-003 | 47.5801 |
| Total | 0.0169 | 0.0117 | 0.1592 | 4.6000e-004 | 0.0559 | 3.1000e-004 | 0.0562 | 0.0148 | 2.9000e-004 | 0.0151 | | 47.1925 | 47.1925 | 1.2200e-003 | 1.2000e-003 | 47.5801 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2023

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 0.2243 | 0.0000 | 0.2243 | 0.0242 | 0.0000 | 0.0242 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.5348 | 6.1887 | 3.9239 | 9.7300e-003 | | 0.2266 | 0.2266 | | 0.2084 | 0.2084 | 0.0000 | 942.4317 | 942.4317 | 0.3048 | | 950.0517 |
| Total | 0.5348 | 6.1887 | 3.9239 | 9.7300e-003 | 0.2243 | 0.2266 | 0.4509 | 0.0242 | 0.2084 | 0.2327 | 0.0000 | 942.4317 | 942.4317 | 0.3048 | | 950.0517 |

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|----------------|----------------|--------------------|--------------------|----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 |
| Worker | 0.0169 | 0.0117 | 0.1592 | 4.6000e-004 | 0.0559 | 3.1000e-004 | 0.0562 | 0.0148 | 2.9000e-004 | 0.0151 | | 47.1925 | 47.1925 | 1.2200e-003 | 1.2000e-003 | 47.5801 |
| Total | 0.0169 | 0.0117 | 0.1592 | 4.6000e-004 | 0.0559 | 3.1000e-004 | 0.0562 | 0.0148 | 2.9000e-004 | 0.0151 | | 47.1925 | 47.1925 | 1.2200e-003 | 1.2000e-003 | 47.5801 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 4.5502 | 0.0000 | 4.5502 | 2.4878 | 0.0000 | 2.4878 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.9335 | 10.1789 | 5.5516 | 0.0141 | | 0.4201 | 0.4201 | | 0.3865 | 0.3865 | | 1,364.771 3 | 1,364.771 3 | 0.4414 | | 1,375.806 2 |
| Total | 0.9335 | 10.1789 | 5.5516 | 0.0141 | 4.5502 | 0.4201 | 4.9703 | 2.4878 | 0.3865 | 2.8743 | | 1,364.771 3 | 1,364.771 3 | 0.4414 | | 1,375.806 2 |

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|---------------|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0744 | 4.6694 | 1.2717 | 0.0212 | 0.6472 | 0.0338 | 0.6810 | 0.1774 | 0.0324 | 0.2098 | | 2,327.923 0 | 2,327.923 0 | 0.1290 | 0.3698 | 2,441.361 4 |
| 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 |
| Worker | 0.0270 | 0.0188 | 0.2547 | 7.4000e-004 | 0.0894 | 5.0000e-004 | 0.0899 | 0.0237 | 4.6000e-004 | 0.0242 | | 75.5079 | 75.5079 | 1.9500e-003 | 1.9200e-003 | 76.1281 |
| Total | 0.1014 | 4.6881 | 1.5264 | 0.0219 | 0.7366 | 0.0343 | 0.7710 | 0.2011 | 0.0328 | 0.2340 | | 2,403.430 9 | 2,403.430 9 | 0.1309 | 0.3718 | 2,517.489 5 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2023

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|-----|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 2.0476 | 0.0000 | 2.0476 | 1.1195 | 0.0000 | 1.1195 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.9335 | 10.1789 | 5.5516 | 0.0141 | | 0.4201 | 0.4201 | | 0.3865 | 0.3865 | 0.0000 | 1,364.771 3 | 1,364.771 3 | 0.4414 | | 1,375.806 2 |
| Total | 0.9335 | 10.1789 | 5.5516 | 0.0141 | 2.0476 | 0.4201 | 2.4677 | 1.1195 | 0.3865 | 1.5060 | 0.0000 | 1,364.771 3 | 1,364.771 3 | 0.4414 | | 1,375.806 2 |

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|---------------|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0744 | 4.6694 | 1.2717 | 0.0212 | 0.6472 | 0.0338 | 0.6810 | 0.1774 | 0.0324 | 0.2098 | | 2,327.923 0 | 2,327.923 0 | 0.1290 | 0.3698 | 2,441.361 4 |
| 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 |
| Worker | 0.0270 | 0.0188 | 0.2547 | 7.4000e-004 | 0.0894 | 5.0000e-004 | 0.0899 | 0.0237 | 4.6000e-004 | 0.0242 | | 75.5079 | 75.5079 | 1.9500e-003 | 1.9200e-003 | 76.1281 |
| Total | 0.1014 | 4.6881 | 1.5264 | 0.0219 | 0.7366 | 0.0343 | 0.7710 | 0.2011 | 0.0328 | 0.2340 | | 2,403.430 9 | 2,403.430 9 | 0.1309 | 0.3718 | 2,517.489 5 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.6322 | 6.4186 | 7.0970 | 0.0114 | | 0.3203 | 0.3203 | | 0.2946 | 0.2946 | | 1,104.6089 | 1,104.6089 | 0.3573 | | 1,113.5402 |
| Total | 0.6322 | 6.4186 | 7.0970 | 0.0114 | | 0.3203 | 0.3203 | | 0.2946 | 0.2946 | | 1,104.6089 | 1,104.6089 | 0.3573 | | 1,113.5402 |

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|---------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 3.1700e-003 | 0.1143 | 0.0443 | 5.5000e-004 | 0.0192 | 6.4000e-004 | 0.0199 | 5.5300e-003 | 6.1000e-004 | 6.1400e-003 | | 58.9156 | 58.9156 | 1.9700e-003 | 8.5400e-003 | 61.5087 |
| Worker | 0.0607 | 0.0422 | 0.5730 | 1.6600e-003 | 0.2012 | 1.1300e-003 | 0.2023 | 0.0534 | 1.0400e-003 | 0.0544 | | 169.8928 | 169.8928 | 4.3800e-003 | 4.3200e-003 | 171.2882 |
| Total | 0.0639 | 0.1565 | 0.6172 | 2.2100e-003 | 0.2204 | 1.7700e-003 | 0.2222 | 0.0589 | 1.6500e-003 | 0.0605 | | 228.8084 | 228.8084 | 6.3500e-003 | 0.0129 | 232.7969 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.6322 | 6.4186 | 7.0970 | 0.0114 | | 0.3203 | 0.3203 | | 0.2946 | 0.2946 | 0.0000 | 1,104.6089 | 1,104.6089 | 0.3573 | | 1,113.5402 |
| Total | 0.6322 | 6.4186 | 7.0970 | 0.0114 | | 0.3203 | 0.3203 | | 0.2946 | 0.2946 | 0.0000 | 1,104.6089 | 1,104.6089 | 0.3573 | | 1,113.5402 |

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|---------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 3.1700e-003 | 0.1143 | 0.0443 | 5.5000e-004 | 0.0192 | 6.4000e-004 | 0.0199 | 5.5300e-003 | 6.1000e-004 | 6.1400e-003 | | 58.9156 | 58.9156 | 1.9700e-003 | 8.5400e-003 | 61.5087 |
| Worker | 0.0607 | 0.0422 | 0.5730 | 1.6600e-003 | 0.2012 | 1.1300e-003 | 0.2023 | 0.0534 | 1.0400e-003 | 0.0544 | | 169.8928 | 169.8928 | 4.3800e-003 | 4.3200e-003 | 171.2882 |
| Total | 0.0639 | 0.1565 | 0.6172 | 2.2100e-003 | 0.2204 | 1.7700e-003 | 0.2222 | 0.0589 | 1.6500e-003 | 0.0605 | | 228.8084 | 228.8084 | 6.3500e-003 | 0.0129 | 232.7969 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.5950 | 5.9739 | 7.0675 | 0.0114 | | 0.2824 | 0.2824 | | 0.2598 | 0.2598 | | 1,104.9834 | 1,104.9834 | 0.3574 | | 1,113.9177 |
| Total | 0.5950 | 5.9739 | 7.0675 | 0.0114 | | 0.2824 | 0.2824 | | 0.2598 | 0.2598 | | 1,104.9834 | 1,104.9834 | 0.3574 | | 1,113.9177 |

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|---------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 3.0900e-003 | 0.1148 | 0.0435 | 5.4000e-004 | 0.0192 | 6.4000e-004 | 0.0199 | 5.5300e-003 | 6.1000e-004 | 6.1400e-003 | | 58.0698 | 58.0698 | 1.9700e-003 | 8.4300e-003 | 60.6299 |
| Worker | 0.0569 | 0.0377 | 0.5347 | 1.6100e-003 | 0.2012 | 1.0900e-003 | 0.2023 | 0.0534 | 1.0000e-003 | 0.0544 | | 166.2445 | 166.2445 | 3.9700e-003 | 4.0200e-003 | 167.5405 |
| Total | 0.0599 | 0.1525 | 0.5783 | 2.1500e-003 | 0.2204 | 1.7300e-003 | 0.2221 | 0.0589 | 1.6100e-003 | 0.0605 | | 224.3143 | 224.3143 | 5.9400e-003 | 0.0125 | 228.1704 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.5950 | 5.9739 | 7.0675 | 0.0114 | | 0.2824 | 0.2824 | | 0.2598 | 0.2598 | 0.0000 | 1,104.9834 | 1,104.9834 | 0.3574 | | 1,113.9177 |
| Total | 0.5950 | 5.9739 | 7.0675 | 0.0114 | | 0.2824 | 0.2824 | | 0.2598 | 0.2598 | 0.0000 | 1,104.9834 | 1,104.9834 | 0.3574 | | 1,113.9177 |

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|---------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 3.0900e-003 | 0.1148 | 0.0435 | 5.4000e-004 | 0.0192 | 6.4000e-004 | 0.0199 | 5.5300e-003 | 6.1000e-004 | 6.1400e-003 | | 58.0698 | 58.0698 | 1.9700e-003 | 8.4300e-003 | 60.6299 |
| Worker | 0.0569 | 0.0377 | 0.5347 | 1.6100e-003 | 0.2012 | 1.0900e-003 | 0.2023 | 0.0534 | 1.0000e-003 | 0.0544 | | 166.2445 | 166.2445 | 3.9700e-003 | 4.0200e-003 | 167.5405 |
| Total | 0.0599 | 0.1525 | 0.5783 | 2.1500e-003 | 0.2204 | 1.7300e-003 | 0.2221 | 0.0589 | 1.6100e-003 | 0.0605 | | 224.3143 | 224.3143 | 5.9400e-003 | 0.0125 | 228.1704 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2024

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.5904 | 5.2297 | 7.0314 | 0.0113 | | 0.2429 | 0.2429 | | 0.2269 | 0.2269 | | 1,036.2393 | 1,036.2393 | 0.3019 | | 1,043.7858 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 0.5904 | 5.2297 | 7.0314 | 0.0113 | | 0.2429 | 0.2429 | | 0.2269 | 0.2269 | | 1,036.2393 | 1,036.2393 | 0.3019 | | 1,043.7858 |

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 |
| Worker | 0.0569 | 0.0377 | 0.5347 | 1.6100e-003 | 0.2012 | 1.0900e-003 | 0.2023 | 0.0534 | 1.0000e-003 | 0.0544 | | 166.2445 | 166.2445 | 3.9700e-003 | 4.0200e-003 | 167.5405 |
| Total | 0.0569 | 0.0377 | 0.5347 | 1.6100e-003 | 0.2012 | 1.0900e-003 | 0.2023 | 0.0534 | 1.0000e-003 | 0.0544 | | 166.2445 | 166.2445 | 3.9700e-003 | 4.0200e-003 | 167.5405 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2024

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.5904 | 5.2297 | 7.0314 | 0.0113 | | 0.2429 | 0.2429 | | 0.2269 | 0.2269 | 0.0000 | 1,036.2393 | 1,036.2393 | 0.3019 | | 1,043.7858 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 0.5904 | 5.2297 | 7.0314 | 0.0113 | | 0.2429 | 0.2429 | | 0.2269 | 0.2269 | 0.0000 | 1,036.2393 | 1,036.2393 | 0.3019 | | 1,043.7858 |

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 |
| Worker | 0.0569 | 0.0377 | 0.5347 | 1.6100e-003 | 0.2012 | 1.0900e-003 | 0.2023 | 0.0534 | 1.0000e-003 | 0.0544 | | 166.2445 | 166.2445 | 3.9700e-003 | 4.0200e-003 | 167.5405 |
| Total | 0.0569 | 0.0377 | 0.5347 | 1.6100e-003 | 0.2012 | 1.0900e-003 | 0.2023 | 0.0534 | 1.0000e-003 | 0.0544 | | 166.2445 | 166.2445 | 3.9700e-003 | 4.0200e-003 | 167.5405 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 22.5261 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1808 | 1.2188 | 1.8101 | 2.9700e-003 | | 0.0609 | 0.0609 | | 0.0609 | 0.0609 | | 281.4481 | 281.4481 | 0.0159 | | 281.8443 |
| Total | 22.7069 | 1.2188 | 1.8101 | 2.9700e-003 | | 0.0609 | 0.0609 | | 0.0609 | 0.0609 | | 281.4481 | 281.4481 | 0.0159 | | 281.8443 |

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|----------------|----------------|--------------------|--------------------|----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 |
| Worker | 0.0126 | 8.3800e-003 | 0.1188 | 3.6000e-004 | 0.0447 | 2.4000e-004 | 0.0450 | 0.0119 | 2.2000e-004 | 0.0121 | | 36.9432 | 36.9432 | 8.8000e-004 | 8.9000e-004 | 37.2312 |
| Total | 0.0126 | 8.3800e-003 | 0.1188 | 3.6000e-004 | 0.0447 | 2.4000e-004 | 0.0450 | 0.0119 | 2.2000e-004 | 0.0121 | | 36.9432 | 36.9432 | 8.8000e-004 | 8.9000e-004 | 37.2312 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2024

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 22.5261 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1808 | 1.2188 | 1.8101 | 2.9700e-003 | | 0.0609 | 0.0609 | | 0.0609 | 0.0609 | 0.0000 | 281.4481 | 281.4481 | 0.0159 | | 281.8443 |
| Total | 22.7069 | 1.2188 | 1.8101 | 2.9700e-003 | | 0.0609 | 0.0609 | | 0.0609 | 0.0609 | 0.0000 | 281.4481 | 281.4481 | 0.0159 | | 281.8443 |

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|----------------|----------------|--------------------|--------------------|----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 |
| Worker | 0.0126 | 8.3800e-003 | 0.1188 | 3.6000e-004 | 0.0447 | 2.4000e-004 | 0.0450 | 0.0119 | 2.2000e-004 | 0.0121 | | 36.9432 | 36.9432 | 8.8000e-004 | 8.9000e-004 | 37.2312 |
| Total | 0.0126 | 8.3800e-003 | 0.1188 | 3.6000e-004 | 0.0447 | 2.4000e-004 | 0.0450 | 0.0119 | 2.2000e-004 | 0.0121 | | 36.9432 | 36.9432 | 8.8000e-004 | 8.9000e-004 | 37.2312 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

Improve Pedestrian Network

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|----------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 0.1613 | 0.1861 | 1.5865 | 3.5100e-003 | 0.3849 | 2.6200e-003 | 0.3875 | 0.1026 | 2.4300e-003 | 0.1050 | | 363.5658 | 363.5658 | 0.0240 | 0.0162 | 369.0023 |
| Unmitigated | 0.1712 | 0.2039 | 1.7416 | 3.9300e-003 | 0.4320 | 2.9100e-003 | 0.4349 | 0.1151 | 2.7100e-003 | 0.1178 | | 406.9445 | 406.9445 | 0.0261 | 0.0178 | 412.8957 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|----------------------|-------------------------|----------|--------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Retirement Community | 60.00 | 50.75 | 48.75 | 195,022 | 173,764 |
| Total | 60.00 | 50.75 | 48.75 | 195,022 | 173,764 |

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 |
| Retirement Community | 14.70 | 5.90 | 8.70 | 40.20 | 19.20 | 40.60 | 86 | 11 | 3 |

4.4 Fleet Mix

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Retirement Community | 0.542450 | 0.061470 | 0.185138 | 0.129299 | 0.023799 | 0.006448 | 0.011958 | 0.009209 | 0.000810 | 0.000503 | 0.024446 | 0.000751 | 0.003721 |

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|--------|--------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|----------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 0.0117 | 0.1002 | 0.0426 | 6.4000e-004 | | 8.1000e-003 | 8.1000e-003 | | 8.1000e-003 | 8.1000e-003 | | 127.8957 | 127.8957 | 2.4500e-003 | 2.3400e-003 | 128.6557 |
| NaturalGas Unmitigated | 0.0117 | 0.1002 | 0.0426 | 6.4000e-004 | | 8.1000e-003 | 8.1000e-003 | | 8.1000e-003 | 8.1000e-003 | | 127.8957 | 127.8957 | 2.4500e-003 | 2.3400e-003 | 128.6557 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------|----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| Retirement Community | 1087.11 | 0.0117 | 0.1002 | 0.0426 | 6.4000e-004 | | 8.1000e-003 | 8.1000e-003 | | 8.1000e-003 | 8.1000e-003 | | 127.8957 | 127.8957 | 2.4500e-003 | 2.3400e-003 | 128.6557 |
| Total | | 0.0117 | 0.1002 | 0.0426 | 6.4000e-004 | | 8.1000e-003 | 8.1000e-003 | | 8.1000e-003 | 8.1000e-003 | | 127.8957 | 127.8957 | 2.4500e-003 | 2.3400e-003 | 128.6557 |

Mitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------|----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| Retirement Community | 1.08711 | 0.0117 | 0.1002 | 0.0426 | 6.4000e-004 | | 8.1000e-003 | 8.1000e-003 | | 8.1000e-003 | 8.1000e-003 | | 127.8957 | 127.8957 | 2.4500e-003 | 2.3400e-003 | 128.6557 |
| Total | | 0.0117 | 0.1002 | 0.0426 | 6.4000e-004 | | 8.1000e-003 | 8.1000e-003 | | 8.1000e-003 | 8.1000e-003 | | 127.8957 | 127.8957 | 2.4500e-003 | 2.3400e-003 | 128.6557 |

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Use Low VOC Paint - Residential Exterior

No Hearths Installed

Use Low VOC Cleaning Supplies

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|--------|--------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 0.4493 | 0.0238 | 2.0617 | 1.1000e-004 | | 0.0114 | 0.0114 | | 0.0114 | 0.0114 | 0.0000 | 3.7138 | 3.7138 | 3.5600e-003 | 0.0000 | 3.8029 |
| Unmitigated | 0.4493 | 0.0238 | 2.0617 | 1.1000e-004 | | 0.0114 | 0.0114 | | 0.0114 | 0.0114 | 0.0000 | 3.7138 | 3.7138 | 3.5600e-003 | 0.0000 | 3.8029 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Unmitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.0309 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.3564 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Hearth | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 0.0620 | 0.0238 | 2.0617 | 1.1000e-004 | | 0.0114 | 0.0114 | | 0.0114 | 0.0114 | | 3.7138 | 3.7138 | 3.5600e-003 | | 3.8029 |
| Total | 0.4493 | 0.0238 | 2.0617 | 1.1000e-004 | | 0.0114 | 0.0114 | | 0.0114 | 0.0114 | 0.0000 | 3.7138 | 3.7138 | 3.5600e-003 | 0.0000 | 3.8029 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.0309 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.3564 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Hearth | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 0.0620 | 0.0238 | 2.0617 | 1.1000e-004 | | 0.0114 | 0.0114 | | 0.0114 | 0.0114 | | 3.7138 | 3.7138 | 3.5600e-003 | | 3.8029 |
| Total | 0.4493 | 0.0238 | 2.0617 | 1.1000e-004 | | 0.0114 | 0.0114 | | 0.0114 | 0.0114 | 0.0000 | 3.7138 | 3.7138 | 3.5600e-003 | 0.0000 | 3.8029 |

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

**Golden Oaks - 6018 Norwalk Boulevard
South Coast AQMD Air District, Annual**

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|----------------------|-------|---------------|-------------|--------------------|------------|
| Retirement Community | 25.00 | Dwelling Unit | 0.47 | 18,000.00 | 72 |

1.2 Other Project Characteristics

| | | | | | |
|--------------------------------|----------------------------|--------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 31 |
| Climate Zone | 9 | | | Operational Year | 2024 |
| Utility Company | Southern California Edison | | | | |
| CO2 Intensity (lb/MWhr) | 390.98 | CH4 Intensity (lb/MWhr) | 0.033 | N2O Intensity (lb/MWhr) | 0.004 |

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 25-Unit Senior Citizen Housing Development on 0.47 acres.
Demolition of 10,200 square feet of existing structures.
Export of 595 cubic yards.

Land Use - Size of parcel provided by Applicant.

Construction Phase -

Grading - Applicant Estimates

Demolition -

Land Use Change -

Sequestration -

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Water Mitigation -

Waste Mitigation -

Woodstoves - Architect's Plans

| Table Name | Column Name | Default Value | New Value |
|----------------------|----------------------------|---------------|------------|
| tblAreaMitigation | UseLowVOCPaintParkingCheck | False | True |
| tblConstructionPhase | PhaseStartDate | 10/14/2023 | 10/16/2023 |
| tblFireplaces | FireplaceDayYear | 25.00 | 0.00 |
| tblFireplaces | FireplaceHourDay | 3.00 | 0.00 |
| tblFireplaces | FireplaceWoodMass | 1,019.20 | 0.00 |
| tblFireplaces | NumberGas | 21.25 | 0.00 |
| tblFireplaces | NumberNoFireplace | 2.50 | 0.00 |
| tblFireplaces | NumberWood | 1.25 | 0.00 |
| tblGrading | AcresOfGrading | 1.50 | 0.00 |
| tblGrading | AcresOfGrading | 0.50 | 0.47 |
| tblGrading | MaterialExported | 0.00 | 595.00 |
| tblLandUse | LandUseSquareFeet | 25,000.00 | 18,000.00 |
| tblLandUse | LotAcreage | 5.00 | 0.47 |
| tblSequestration | NumberOfNewTrees | 0.00 | 11.00 |
| tblWoodstoves | NumberCatalytic | 1.25 | 0.00 |
| tblWoodstoves | NumberNoncatalytic | 1.25 | 0.00 |
| tblWoodstoves | WoodstoveDayYear | 25.00 | 0.00 |
| tblWoodstoves | WoodstoveWoodMass | 999.60 | 0.00 |

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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 | | | | | |
| 2023 | 0.0227 | 0.2209 | 0.2495 | 4.7000e-004 | 0.0171 | 0.0104 | 0.0275 | 5.2400e-003 | 9.6000e-003 | 0.0148 | 0.0000 | 42.3339 | 42.3339 | 0.0103 | 8.6000e-004 | 42.8474 |
| 2024 | 0.0740 | 0.1633 | 0.2076 | 3.7000e-004 | 5.8000e-003 | 7.5800e-003 | 0.0134 | 1.5500e-003 | 7.0000e-003 | 8.5500e-003 | 0.0000 | 32.4524 | 32.4524 | 8.6400e-003 | 2.8000e-004 | 32.7529 |
| Maximum | 0.0740 | 0.2209 | 0.2495 | 4.7000e-004 | 0.0171 | 0.0104 | 0.0275 | 5.2400e-003 | 9.6000e-003 | 0.0148 | 0.0000 | 42.3339 | 42.3339 | 0.0103 | 8.6000e-004 | 42.8474 |

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 | | | | | |
| 2023 | 0.0227 | 0.2209 | 0.2495 | 4.7000e-004 | 0.0117 | 0.0104 | 0.0221 | 3.4400e-003 | 9.6000e-003 | 0.0130 | 0.0000 | 42.3339 | 42.3339 | 0.0103 | 8.6000e-004 | 42.8473 |
| 2024 | 0.0740 | 0.1633 | 0.2076 | 3.7000e-004 | 5.8000e-003 | 7.5800e-003 | 0.0134 | 1.5500e-003 | 7.0000e-003 | 8.5500e-003 | 0.0000 | 32.4524 | 32.4524 | 8.6400e-003 | 2.8000e-004 | 32.7528 |
| Maximum | 0.0740 | 0.2209 | 0.2495 | 4.7000e-004 | 0.0117 | 0.0104 | 0.0221 | 3.4400e-003 | 9.6000e-003 | 0.0130 | 0.0000 | 42.3339 | 42.3339 | 0.0103 | 8.6000e-004 | 42.8473 |

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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 | 23.54 | 0.00 | 13.20 | 26.51 | 0.00 | 7.70 | 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 | 10-2-2023 | 1-1-2024 | 0.2387 | 0.2387 |
| 2 | 1-2-2024 | 4-1-2024 | 0.2321 | 0.2321 |
| | | Highest | 0.2387 | 0.2387 |

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 | 0.0784 | 2.9700e-003 | 0.2577 | 1.0000e-005 | | 1.4300e-003 | 1.4300e-003 | | 1.4300e-003 | 1.4300e-003 | 0.0000 | 0.4211 | 0.4211 | 4.0000e-004 | 0.0000 | 0.4312 |
| Energy | 2.1400e-003 | 0.0183 | 7.7800e-003 | 1.2000e-004 | | 1.4800e-003 | 1.4800e-003 | | 1.4800e-003 | 1.4800e-003 | 0.0000 | 39.9229 | 39.9229 | 1.9900e-003 | 5.8000e-004 | 40.1455 |
| Mobile | 0.0292 | 0.0358 | 0.3050 | 6.9000e-004 | 0.0734 | 5.0000e-004 | 0.0739 | 0.0196 | 4.7000e-004 | 0.0201 | 0.0000 | 64.6027 | 64.6027 | 4.0700e-003 | 2.8100e-003 | 65.5420 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 2.3344 | 0.0000 | 2.3344 | 0.1380 | 0.0000 | 5.7834 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.5168 | 5.7847 | 6.3014 | 0.0536 | 1.3100e-003 | 8.0316 |
| Total | 0.1098 | 0.0570 | 0.5705 | 8.2000e-004 | 0.0734 | 3.4100e-003 | 0.0768 | 0.0196 | 3.3800e-003 | 0.0230 | 2.8512 | 110.7314 | 113.5826 | 0.1980 | 4.7000e-003 | 119.9336 |

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Mitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|-----------------|-----------------|---------------|--------------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 0.0784 | 2.9700e-003 | 0.2577 | 1.0000e-005 | | 1.4300e-003 | 1.4300e-003 | | 1.4300e-003 | 1.4300e-003 | 0.0000 | 0.4211 | 0.4211 | 4.0000e-004 | 0.0000 | 0.4312 |
| Energy | 2.1400e-003 | 0.0183 | 7.7800e-003 | 1.2000e-004 | | 1.4800e-003 | 1.4800e-003 | | 1.4800e-003 | 1.4800e-003 | 0.0000 | 39.9229 | 39.9229 | 1.9900e-003 | 5.8000e-004 | 40.1455 |
| Mobile | 0.0275 | 0.0326 | 0.2776 | 6.1000e-004 | 0.0654 | 4.5000e-004 | 0.0659 | 0.0175 | 4.2000e-004 | 0.0179 | 0.0000 | 57.7139 | 57.7139 | 3.7500e-003 | 2.5600e-003 | 58.5714 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 1.1672 | 0.0000 | 1.1672 | 0.0690 | 0.0000 | 2.8917 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.4134 | 4.9090 | 5.3224 | 0.0429 | 1.0500e-003 | 6.7080 |
| Total | 0.1081 | 0.0539 | 0.5431 | 7.4000e-004 | 0.0654 | 3.3600e-003 | 0.0688 | 0.0175 | 3.3300e-003 | 0.0208 | 1.5806 | 102.9669 | 104.5475 | 0.1180 | 4.1900e-003 | 108.7477 |

| | ROG | NOx | CO | SO2 | 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 | 1.58 | 5.53 | 4.80 | 9.76 | 10.90 | 1.47 | 10.48 | 10.87 | 1.48 | 9.49 | 44.56 | 7.01 | 7.95 | 40.40 | 10.85 | 9.33 |

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.3 Vegetation

Vegetation

| | |
|------------------------|---------------|
| | CO2e |
| Category | MT |
| New Trees | 7.7880 |
| Vegetation Land Change | 0.0000 |
| Total | 7.7880 |

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1 | Demolition | Demolition | 10/2/2023 | 10/13/2023 | 5 | 10 | |
| 2 | Site Preparation | Site Preparation | 10/16/2023 | 10/16/2023 | 5 | 1 | |
| 3 | Grading | Grading | 10/17/2023 | 10/18/2023 | 5 | 2 | |
| 4 | Building Construction | Building Construction | 10/19/2023 | 3/6/2024 | 5 | 100 | |
| 5 | Paving | Paving | 3/7/2024 | 3/13/2024 | 5 | 5 | |
| 6 | Architectural Coating | Architectural Coating | 3/14/2024 | 3/20/2024 | 5 | 5 | |

Acres of Grading (Site Preparation Phase): 0.47

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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Residential Indoor: 36,450; Residential Outdoor: 12,150; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |
| Paving | Cement and Mortar Mixers | 4 | 6.00 | 9 | 0.56 |
| Demolition | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Building Construction | Cranes | 1 | 4.00 | 231 | 0.29 |
| Building Construction | Forklifts | 2 | 6.00 | 89 | 0.20 |
| Grading | Graders | 1 | 6.00 | 187 | 0.41 |
| Site Preparation | Graders | 1 | 8.00 | 187 | 0.41 |
| Paving | Pavers | 1 | 7.00 | 130 | 0.42 |
| Paving | Rollers | 1 | 7.00 | 80 | 0.38 |
| Demolition | Rubber Tired Dozers | 1 | 1.00 | 247 | 0.40 |
| Grading | Rubber Tired Dozers | 1 | 6.00 | 247 | 0.40 |
| Building Construction | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Demolition | Tractors/Loaders/Backhoes | 2 | 6.00 | 97 | 0.37 |
| Grading | Tractors/Loaders/Backhoes | 1 | 7.00 | 97 | 0.37 |
| Paving | Tractors/Loaders/Backhoes | 1 | 7.00 | 97 | 0.37 |
| Site Preparation | 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 |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Demolition | 4 | 10.00 | 0.00 | 46.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 2 | 5.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 3 | 8.00 | 0.00 | 74.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 5 | 18.00 | 3.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |

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| | | | | | | | | | | |
|-----------------------|---|-------|------|------|-------|------|-------|--------|---------|------|
| Paving | 7 | 18.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 4.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 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 | | | | | |
| Fugitive Dust | | | | | 5.0200e-003 | 0.0000 | 5.0200e-003 | 7.6000e-004 | 0.0000 | 7.6000e-004 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 3.2300e-003 | 0.0289 | 0.0370 | 6.0000e-005 | | 1.4100e-003 | 1.4100e-003 | | 1.3500e-003 | 1.3500e-003 | 0.0000 | 5.2091 | 5.2091 | 9.5000e-004 | 0.0000 | 5.2328 |
| Total | 3.2300e-003 | 0.0289 | 0.0370 | 6.0000e-005 | 5.0200e-003 | 1.4100e-003 | 6.4300e-003 | 7.6000e-004 | 1.3500e-003 | 2.1100e-003 | 0.0000 | 5.2091 | 5.2091 | 9.5000e-004 | 0.0000 | 5.2328 |

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3.2 Demolition - 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 | 5.0000e-005 | 2.9200e-003 | 7.8000e-004 | 1.0000e-005 | 4.0000e-004 | 2.0000e-005 | 4.2000e-004 | 1.1000e-004 | 2.0000e-005 | 1.3000e-004 | 0.0000 | 1.3119 | 1.3119 | 7.0000e-005 | 2.1000e-004 | 1.3759 |
| 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-004 | 1.2000e-004 | 1.6400e-003 | 0.0000 | 5.5000e-004 | 0.0000 | 5.5000e-004 | 1.5000e-004 | 0.0000 | 1.5000e-004 | 0.0000 | 0.4347 | 0.4347 | 1.0000e-005 | 1.0000e-005 | 0.4382 |
| Total | 2.1000e-004 | 3.0400e-003 | 2.4200e-003 | 1.0000e-005 | 9.5000e-004 | 2.0000e-005 | 9.7000e-004 | 2.6000e-004 | 2.0000e-005 | 2.8000e-004 | 0.0000 | 1.7466 | 1.7466 | 8.0000e-005 | 2.2000e-004 | 1.8141 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 2.2600e-003 | 0.0000 | 2.2600e-003 | 3.4000e-004 | 0.0000 | 3.4000e-004 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 3.2300e-003 | 0.0289 | 0.0370 | 6.0000e-005 | | 1.4100e-003 | 1.4100e-003 | | 1.3500e-003 | 1.3500e-003 | 0.0000 | 5.2091 | 5.2091 | 9.5000e-004 | 0.0000 | 5.2328 |
| Total | 3.2300e-003 | 0.0289 | 0.0370 | 6.0000e-005 | 2.2600e-003 | 1.4100e-003 | 3.6700e-003 | 3.4000e-004 | 1.3500e-003 | 1.6900e-003 | 0.0000 | 5.2091 | 5.2091 | 9.5000e-004 | 0.0000 | 5.2328 |

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3.2 Demolition - 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 | 5.0000e-005 | 2.9200e-003 | 7.8000e-004 | 1.0000e-005 | 4.0000e-004 | 2.0000e-005 | 4.2000e-004 | 1.1000e-004 | 2.0000e-005 | 1.3000e-004 | 0.0000 | 1.3119 | 1.3119 | 7.0000e-005 | 2.1000e-004 | 1.3759 |
| 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-004 | 1.2000e-004 | 1.6400e-003 | 0.0000 | 5.5000e-004 | 0.0000 | 5.5000e-004 | 1.5000e-004 | 0.0000 | 1.5000e-004 | 0.0000 | 0.4347 | 0.4347 | 1.0000e-005 | 1.0000e-005 | 0.4382 |
| Total | 2.1000e-004 | 3.0400e-003 | 2.4200e-003 | 1.0000e-005 | 9.5000e-004 | 2.0000e-005 | 9.7000e-004 | 2.6000e-004 | 2.0000e-005 | 2.8000e-004 | 0.0000 | 1.7466 | 1.7466 | 8.0000e-005 | 2.2000e-004 | 1.8141 |

3.3 Site Preparation - 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 | | | | | |
| Fugitive Dust | | | | | 2.5000e-004 | 0.0000 | 2.5000e-004 | 3.0000e-005 | 0.0000 | 3.0000e-005 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 2.7000e-004 | 3.0900e-003 | 1.9600e-003 | 0.0000 | | 1.1000e-004 | 1.1000e-004 | | 1.0000e-004 | 1.0000e-004 | 0.0000 | 0.4275 | 0.4275 | 1.4000e-004 | 0.0000 | 0.4309 |
| Total | 2.7000e-004 | 3.0900e-003 | 1.9600e-003 | 0.0000 | 2.5000e-004 | 1.1000e-004 | 3.6000e-004 | 3.0000e-005 | 1.0000e-004 | 1.3000e-004 | 0.0000 | 0.4275 | 0.4275 | 1.4000e-004 | 0.0000 | 0.4309 |

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3.3 Site Preparation - 2023

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 1.0000e-005 | 1.0000e-005 | 8.0000e-005 | 0.0000 | 3.0000e-005 | 0.0000 | 3.0000e-005 | 1.0000e-005 | 0.0000 | 1.0000e-005 | 0.0000 | 0.0217 | 0.0217 | 0.0000 | 0.0000 | 0.0219 |
| Total | 1.0000e-005 | 1.0000e-005 | 8.0000e-005 | 0.0000 | 3.0000e-005 | 0.0000 | 3.0000e-005 | 1.0000e-005 | 0.0000 | 1.0000e-005 | 0.0000 | 0.0217 | 0.0217 | 0.0000 | 0.0000 | 0.0219 |

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 | | | | | 1.1000e-004 | 0.0000 | 1.1000e-004 | 1.0000e-005 | 0.0000 | 1.0000e-005 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 2.7000e-004 | 3.0900e-003 | 1.9600e-003 | 0.0000 | | 1.1000e-004 | 1.1000e-004 | | 1.0000e-004 | 1.0000e-004 | 0.0000 | 0.4275 | 0.4275 | 1.4000e-004 | 0.0000 | 0.4309 |
| Total | 2.7000e-004 | 3.0900e-003 | 1.9600e-003 | 0.0000 | 1.1000e-004 | 1.1000e-004 | 2.2000e-004 | 1.0000e-005 | 1.0000e-004 | 1.1000e-004 | 0.0000 | 0.4275 | 0.4275 | 1.4000e-004 | 0.0000 | 0.4309 |

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3.3 Site Preparation - 2023

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 1.0000e-005 | 1.0000e-005 | 8.0000e-005 | 0.0000 | 3.0000e-005 | 0.0000 | 3.0000e-005 | 1.0000e-005 | 0.0000 | 1.0000e-005 | 0.0000 | 0.0217 | 0.0217 | 0.0000 | 0.0000 | 0.0219 |
| Total | 1.0000e-005 | 1.0000e-005 | 8.0000e-005 | 0.0000 | 3.0000e-005 | 0.0000 | 3.0000e-005 | 1.0000e-005 | 0.0000 | 1.0000e-005 | 0.0000 | 0.0217 | 0.0217 | 0.0000 | 0.0000 | 0.0219 |

3.4 Grading - 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 | | | | | |
| Fugitive Dust | | | | | 4.5500e-003 | 0.0000 | 4.5500e-003 | 2.4900e-003 | 0.0000 | 2.4900e-003 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 9.3000e-004 | 0.0102 | 5.5500e-003 | 1.0000e-005 | | 4.2000e-004 | 4.2000e-004 | | 3.9000e-004 | 3.9000e-004 | 0.0000 | 1.2381 | 1.2381 | 4.0000e-004 | 0.0000 | 1.2481 |
| Total | 9.3000e-004 | 0.0102 | 5.5500e-003 | 1.0000e-005 | 4.5500e-003 | 4.2000e-004 | 4.9700e-003 | 2.4900e-003 | 3.9000e-004 | 2.8800e-003 | 0.0000 | 1.2381 | 1.2381 | 4.0000e-004 | 0.0000 | 1.2481 |

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3.4 Grading - 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 | 8.0000e-005 | 4.7000e-003 | 1.2600e-003 | 2.0000e-005 | 6.4000e-004 | 3.0000e-005 | 6.7000e-004 | 1.7000e-004 | 3.0000e-005 | 2.1000e-004 | 0.0000 | 2.1105 | 2.1105 | 1.2000e-004 | 3.4000e-004 | 2.2133 |
| 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 | 2.0000e-005 | 2.0000e-005 | 2.6000e-004 | 0.0000 | 9.0000e-005 | 0.0000 | 9.0000e-005 | 2.0000e-005 | 0.0000 | 2.0000e-005 | 0.0000 | 0.0696 | 0.0696 | 0.0000 | 0.0000 | 0.0701 |
| Total | 1.0000e-004 | 4.7200e-003 | 1.5200e-003 | 2.0000e-005 | 7.3000e-004 | 3.0000e-005 | 7.6000e-004 | 1.9000e-004 | 3.0000e-005 | 2.3000e-004 | 0.0000 | 2.1800 | 2.1800 | 1.2000e-004 | 3.4000e-004 | 2.2835 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|--------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 2.0500e-003 | 0.0000 | 2.0500e-003 | 1.1200e-003 | 0.0000 | 1.1200e-003 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 9.3000e-004 | 0.0102 | 5.5500e-003 | 1.0000e-005 | | 4.2000e-004 | 4.2000e-004 | | 3.9000e-004 | 3.9000e-004 | 0.0000 | 1.2381 | 1.2381 | 4.0000e-004 | 0.0000 | 1.2481 |
| Total | 9.3000e-004 | 0.0102 | 5.5500e-003 | 1.0000e-005 | 2.0500e-003 | 4.2000e-004 | 2.4700e-003 | 1.1200e-003 | 3.9000e-004 | 1.5100e-003 | 0.0000 | 1.2381 | 1.2381 | 4.0000e-004 | 0.0000 | 1.2481 |

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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 | 8.0000e-005 | 4.7000e-003 | 1.2600e-003 | 2.0000e-005 | 6.4000e-004 | 3.0000e-005 | 6.7000e-004 | 1.7000e-004 | 3.0000e-005 | 2.1000e-004 | 0.0000 | 2.1105 | 2.1105 | 1.2000e-004 | 3.4000e-004 | 2.2133 |
| 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 | 2.0000e-005 | 2.0000e-005 | 2.6000e-004 | 0.0000 | 9.0000e-005 | 0.0000 | 9.0000e-005 | 2.0000e-005 | 0.0000 | 2.0000e-005 | 0.0000 | 0.0696 | 0.0696 | 0.0000 | 0.0000 | 0.0701 |
| Total | 1.0000e-004 | 4.7200e-003 | 1.5200e-003 | 2.0000e-005 | 7.3000e-004 | 3.0000e-005 | 7.6000e-004 | 1.9000e-004 | 3.0000e-005 | 2.3000e-004 | 0.0000 | 2.1800 | 2.1800 | 1.2000e-004 | 3.4000e-004 | 2.2835 |

3.5 Building Construction - 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 | 0.0164 | 0.1669 | 0.1845 | 3.0000e-004 | | 8.3300e-003 | 8.3300e-003 | | 7.6600e-003 | 7.6600e-003 | 0.0000 | 26.0542 | 26.0542 | 8.4300e-003 | 0.0000 | 26.2649 |
| Total | 0.0164 | 0.1669 | 0.1845 | 3.0000e-004 | | 8.3300e-003 | 8.3300e-003 | | 7.6600e-003 | 7.6600e-003 | 0.0000 | 26.0542 | 26.0542 | 8.4300e-003 | 0.0000 | 26.2649 |

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3.5 Building Construction - 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 | 8.0000e-005 | 2.9700e-003 | 1.1300e-003 | 1.0000e-005 | 4.9000e-004 | 2.0000e-005 | 5.1000e-004 | 1.4000e-004 | 2.0000e-005 | 1.6000e-004 | 0.0000 | 1.3882 | 1.3882 | 5.0000e-005 | 2.0000e-004 | 1.4493 |
| Worker | 1.4600e-003 | 1.1200e-003 | 0.0153 | 4.0000e-005 | 5.1300e-003 | 3.0000e-005 | 5.1600e-003 | 1.3600e-003 | 3.0000e-005 | 1.3900e-003 | 0.0000 | 4.0686 | 4.0686 | 1.0000e-004 | 1.0000e-004 | 4.1020 |
| Total | 1.5400e-003 | 4.0900e-003 | 0.0164 | 5.0000e-005 | 5.6200e-003 | 5.0000e-005 | 5.6700e-003 | 1.5000e-003 | 5.0000e-005 | 1.5500e-003 | 0.0000 | 5.4567 | 5.4567 | 1.5000e-004 | 3.0000e-004 | 5.5512 |

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 | 0.0164 | 0.1669 | 0.1845 | 3.0000e-004 | | 8.3300e-003 | 8.3300e-003 | | 7.6600e-003 | 7.6600e-003 | 0.0000 | 26.0542 | 26.0542 | 8.4300e-003 | 0.0000 | 26.2648 |
| Total | 0.0164 | 0.1669 | 0.1845 | 3.0000e-004 | | 8.3300e-003 | 8.3300e-003 | | 7.6600e-003 | 7.6600e-003 | 0.0000 | 26.0542 | 26.0542 | 8.4300e-003 | 0.0000 | 26.2648 |

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3.5 Building Construction - 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 | 8.0000e-005 | 2.9700e-003 | 1.1300e-003 | 1.0000e-005 | 4.9000e-004 | 2.0000e-005 | 5.1000e-004 | 1.4000e-004 | 2.0000e-005 | 1.6000e-004 | 0.0000 | 1.3882 | 1.3882 | 5.0000e-005 | 2.0000e-004 | 1.4493 |
| Worker | 1.4600e-003 | 1.1200e-003 | 0.0153 | 4.0000e-005 | 5.1300e-003 | 3.0000e-005 | 5.1600e-003 | 1.3600e-003 | 3.0000e-005 | 1.3900e-003 | 0.0000 | 4.0686 | 4.0686 | 1.0000e-004 | 1.0000e-004 | 4.1020 |
| Total | 1.5400e-003 | 4.0900e-003 | 0.0164 | 5.0000e-005 | 5.6200e-003 | 5.0000e-005 | 5.6700e-003 | 1.5000e-003 | 5.0000e-005 | 1.5500e-003 | 0.0000 | 5.4567 | 5.4567 | 1.5000e-004 | 3.0000e-004 | 5.5512 |

3.5 Building Construction - 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 | 0.0143 | 0.1434 | 0.1696 | 2.7000e-004 | | 6.7800e-003 | 6.7800e-003 | | 6.2300e-003 | 6.2300e-003 | 0.0000 | 24.0582 | 24.0582 | 7.7800e-003 | 0.0000 | 24.2527 |
| Total | 0.0143 | 0.1434 | 0.1696 | 2.7000e-004 | | 6.7800e-003 | 6.7800e-003 | | 6.2300e-003 | 6.2300e-003 | 0.0000 | 24.0582 | 24.0582 | 7.7800e-003 | 0.0000 | 24.2527 |

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3.5 Building Construction - 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 | 8.0000e-005 | 2.7600e-003 | 1.0300e-003 | 1.0000e-005 | 4.5000e-004 | 2.0000e-005 | 4.7000e-004 | 1.3000e-004 | 1.0000e-005 | 1.5000e-004 | 0.0000 | 1.2630 | 1.2630 | 4.0000e-005 | 1.8000e-004 | 1.3187 |
| Worker | 1.2600e-003 | 9.3000e-004 | 0.0132 | 4.0000e-005 | 4.7400e-003 | 3.0000e-005 | 4.7700e-003 | 1.2600e-003 | 2.0000e-005 | 1.2800e-003 | 0.0000 | 3.6749 | 3.6749 | 9.0000e-005 | 9.0000e-005 | 3.7035 |
| Total | 1.3400e-003 | 3.6900e-003 | 0.0142 | 5.0000e-005 | 5.1900e-003 | 5.0000e-005 | 5.2400e-003 | 1.3900e-003 | 3.0000e-005 | 1.4300e-003 | 0.0000 | 4.9379 | 4.9379 | 1.3000e-004 | 2.7000e-004 | 5.0222 |

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 | 0.0143 | 0.1434 | 0.1696 | 2.7000e-004 | | 6.7800e-003 | 6.7800e-003 | | 6.2300e-003 | 6.2300e-003 | 0.0000 | 24.0582 | 24.0582 | 7.7800e-003 | 0.0000 | 24.2527 |
| Total | 0.0143 | 0.1434 | 0.1696 | 2.7000e-004 | | 6.7800e-003 | 6.7800e-003 | | 6.2300e-003 | 6.2300e-003 | 0.0000 | 24.0582 | 24.0582 | 7.7800e-003 | 0.0000 | 24.2527 |

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3.5 Building Construction - 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 | 8.0000e-005 | 2.7600e-003 | 1.0300e-003 | 1.0000e-005 | 4.5000e-004 | 2.0000e-005 | 4.7000e-004 | 1.3000e-004 | 1.0000e-005 | 1.5000e-004 | 0.0000 | 1.2630 | 1.2630 | 4.0000e-005 | 1.8000e-004 | 1.3187 |
| Worker | 1.2600e-003 | 9.3000e-004 | 0.0132 | 4.0000e-005 | 4.7400e-003 | 3.0000e-005 | 4.7700e-003 | 1.2600e-003 | 2.0000e-005 | 1.2800e-003 | 0.0000 | 3.6749 | 3.6749 | 9.0000e-005 | 9.0000e-005 | 3.7035 |
| Total | 1.3400e-003 | 3.6900e-003 | 0.0142 | 5.0000e-005 | 5.1900e-003 | 5.0000e-005 | 5.2400e-003 | 1.3900e-003 | 3.0000e-005 | 1.4300e-003 | 0.0000 | 4.9379 | 4.9379 | 1.3000e-004 | 2.7000e-004 | 5.0222 |

3.6 Paving - 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 | 1.4800e-003 | 0.0131 | 0.0176 | 3.0000e-005 | | 6.1000e-004 | 6.1000e-004 | | 5.7000e-004 | 5.7000e-004 | 0.0000 | 2.3502 | 2.3502 | 6.8000e-004 | 0.0000 | 2.3673 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 1.4800e-003 | 0.0131 | 0.0176 | 3.0000e-005 | | 6.1000e-004 | 6.1000e-004 | | 5.7000e-004 | 5.7000e-004 | 0.0000 | 2.3502 | 2.3502 | 6.8000e-004 | 0.0000 | 2.3673 |

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3.6 Paving - 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 | 1.3000e-004 | 1.0000e-004 | 1.3700e-003 | 0.0000 | 4.9000e-004 | 0.0000 | 5.0000e-004 | 1.3000e-004 | 0.0000 | 1.3000e-004 | 0.0000 | 0.3828 | 0.3828 | 1.0000e-005 | 1.0000e-005 | 0.3858 |
| Total | 1.3000e-004 | 1.0000e-004 | 1.3700e-003 | 0.0000 | 4.9000e-004 | 0.0000 | 5.0000e-004 | 1.3000e-004 | 0.0000 | 1.3000e-004 | 0.0000 | 0.3828 | 0.3828 | 1.0000e-005 | 1.0000e-005 | 0.3858 |

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 | 1.4800e-003 | 0.0131 | 0.0176 | 3.0000e-005 | | 6.1000e-004 | 6.1000e-004 | | 5.7000e-004 | 5.7000e-004 | 0.0000 | 2.3502 | 2.3502 | 6.8000e-004 | 0.0000 | 2.3673 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 1.4800e-003 | 0.0131 | 0.0176 | 3.0000e-005 | | 6.1000e-004 | 6.1000e-004 | | 5.7000e-004 | 5.7000e-004 | 0.0000 | 2.3502 | 2.3502 | 6.8000e-004 | 0.0000 | 2.3673 |

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3.6 Paving - 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 | 1.3000e-004 | 1.0000e-004 | 1.3700e-003 | 0.0000 | 4.9000e-004 | 0.0000 | 5.0000e-004 | 1.3000e-004 | 0.0000 | 1.3000e-004 | 0.0000 | 0.3828 | 0.3828 | 1.0000e-005 | 1.0000e-005 | 0.3858 |
| Total | 1.3000e-004 | 1.0000e-004 | 1.3700e-003 | 0.0000 | 4.9000e-004 | 0.0000 | 5.0000e-004 | 1.3000e-004 | 0.0000 | 1.3000e-004 | 0.0000 | 0.3828 | 0.3828 | 1.0000e-005 | 1.0000e-005 | 0.3858 |

3.7 Architectural Coating - 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 | 0.0563 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 4.5000e-004 | 3.0500e-003 | 4.5300e-003 | 1.0000e-005 | | 1.5000e-004 | 1.5000e-004 | | 1.5000e-004 | 1.5000e-004 | 0.0000 | 0.6383 | 0.6383 | 4.0000e-005 | 0.0000 | 0.6392 |
| Total | 0.0568 | 3.0500e-003 | 4.5300e-003 | 1.0000e-005 | | 1.5000e-004 | 1.5000e-004 | | 1.5000e-004 | 1.5000e-004 | 0.0000 | 0.6383 | 0.6383 | 4.0000e-005 | 0.0000 | 0.6392 |

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3.7 Architectural Coating - 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 | 3.0000e-005 | 2.0000e-005 | 3.1000e-004 | 0.0000 | 1.1000e-004 | 0.0000 | 1.1000e-004 | 3.0000e-005 | 0.0000 | 3.0000e-005 | 0.0000 | 0.0851 | 0.0851 | 0.0000 | 0.0000 | 0.0857 |
| Total | 3.0000e-005 | 2.0000e-005 | 3.1000e-004 | 0.0000 | 1.1000e-004 | 0.0000 | 1.1000e-004 | 3.0000e-005 | 0.0000 | 3.0000e-005 | 0.0000 | 0.0851 | 0.0851 | 0.0000 | 0.0000 | 0.0857 |

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 | 0.0563 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 4.5000e-004 | 3.0500e-003 | 4.5300e-003 | 1.0000e-005 | | 1.5000e-004 | 1.5000e-004 | | 1.5000e-004 | 1.5000e-004 | 0.0000 | 0.6383 | 0.6383 | 4.0000e-005 | 0.0000 | 0.6392 |
| Total | 0.0568 | 3.0500e-003 | 4.5300e-003 | 1.0000e-005 | | 1.5000e-004 | 1.5000e-004 | | 1.5000e-004 | 1.5000e-004 | 0.0000 | 0.6383 | 0.6383 | 4.0000e-005 | 0.0000 | 0.6392 |

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3.7 Architectural Coating - 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 | 3.0000e-005 | 2.0000e-005 | 3.1000e-004 | 0.0000 | 1.1000e-004 | 0.0000 | 1.1000e-004 | 3.0000e-005 | 0.0000 | 3.0000e-005 | 0.0000 | 0.0851 | 0.0851 | 0.0000 | 0.0000 | 0.0857 |
| Total | 3.0000e-005 | 2.0000e-005 | 3.1000e-004 | 0.0000 | 1.1000e-004 | 0.0000 | 1.1000e-004 | 3.0000e-005 | 0.0000 | 3.0000e-005 | 0.0000 | 0.0851 | 0.0851 | 0.0000 | 0.0000 | 0.0857 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

Improve Pedestrian Network

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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 | 0.0275 | 0.0326 | 0.2776 | 6.1000e-004 | 0.0654 | 4.5000e-004 | 0.0659 | 0.0175 | 4.2000e-004 | 0.0179 | 0.0000 | 57.7139 | 57.7139 | 3.7500e-003 | 2.5600e-003 | 58.5714 |
| Unmitigated | 0.0292 | 0.0358 | 0.3050 | 6.9000e-004 | 0.0734 | 5.0000e-004 | 0.0739 | 0.0196 | 4.7000e-004 | 0.0201 | 0.0000 | 64.6027 | 64.6027 | 4.0700e-003 | 2.8100e-003 | 65.5420 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|----------------------|-------------------------|----------|--------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Retirement Community | 60.00 | 50.75 | 48.75 | 195,022 | 173,764 |
| Total | 60.00 | 50.75 | 48.75 | 195,022 | 173,764 |

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 |
| Retirement Community | 14.70 | 5.90 | 8.70 | 40.20 | 19.20 | 40.60 | 86 | 11 | 3 |

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Retirement Community | 0.542450 | 0.061470 | 0.185138 | 0.129299 | 0.023799 | 0.006448 | 0.011958 | 0.009209 | 0.000810 | 0.000503 | 0.024446 | 0.000751 | 0.003721 |

5.0 Energy Detail

Historical Energy Use: N

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 18.7484 | 18.7484 | 1.5800e-003 | 1.9000e-004 | 18.8451 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 18.7484 | 18.7484 | 1.5800e-003 | 1.9000e-004 | 18.8451 |
| NaturalGas Mitigated | 2.1400e-003 | 0.0183 | 7.7800e-003 | 1.2000e-004 | | 1.4800e-003 | 1.4800e-003 | | 1.4800e-003 | 1.4800e-003 | 0.0000 | 21.1746 | 21.1746 | 4.1000e-004 | 3.9000e-004 | 21.3004 |
| NaturalGas Unmitigated | 2.1400e-003 | 0.0183 | 7.7800e-003 | 1.2000e-004 | | 1.4800e-003 | 1.4800e-003 | | 1.4800e-003 | 1.4800e-003 | 0.0000 | 21.1746 | 21.1746 | 4.1000e-004 | 3.9000e-004 | 21.3004 |

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 | | | | | |
| Retirement Community | 396796 | 2.1400e-003 | 0.0183 | 7.7800e-003 | 1.2000e-004 | | 1.4800e-003 | 1.4800e-003 | | 1.4800e-003 | 1.4800e-003 | 0.0000 | 21.1746 | 21.1746 | 4.1000e-004 | 3.9000e-004 | 21.3004 |
| Total | | 2.1400e-003 | 0.0183 | 7.7800e-003 | 1.2000e-004 | | 1.4800e-003 | 1.4800e-003 | | 1.4800e-003 | 1.4800e-003 | 0.0000 | 21.1746 | 21.1746 | 4.1000e-004 | 3.9000e-004 | 21.3004 |

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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 | | | | | |
| Retirement Community | 396796 | 2.1400e-003 | 0.0183 | 7.7800e-003 | 1.2000e-004 | | 1.4800e-003 | 1.4800e-003 | | 1.4800e-003 | 1.4800e-003 | 0.0000 | 21.1746 | 21.1746 | 4.1000e-004 | 3.9000e-004 | 21.3004 |
| Total | | 2.1400e-003 | 0.0183 | 7.7800e-003 | 1.2000e-004 | | 1.4800e-003 | 1.4800e-003 | | 1.4800e-003 | 1.4800e-003 | 0.0000 | 21.1746 | 21.1746 | 4.1000e-004 | 3.9000e-004 | 21.3004 |

5.3 Energy by Land Use - Electricity

Unmitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------|-----------------|----------------|--------------------|--------------------|----------------|
| Land Use | kWh/yr | MT/yr | | | |
| Retirement Community | 105717 | 18.7484 | 1.5800e-003 | 1.9000e-004 | 18.8451 |
| Total | | 18.7484 | 1.5800e-003 | 1.9000e-004 | 18.8451 |

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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 | | | |
| Retirement Community | 105717 | 18.7484 | 1.5800e-003 | 1.9000e-004 | 18.8451 |
| Total | | 18.7484 | 1.5800e-003 | 1.9000e-004 | 18.8451 |

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- No Hearths Installed
- Use Low VOC Cleaning Supplies

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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 | 0.0784 | 2.9700e-003 | 0.2577 | 1.0000e-005 | | 1.4300e-003 | 1.4300e-003 | | 1.4300e-003 | 1.4300e-003 | 0.0000 | 0.4211 | 0.4211 | 4.0000e-004 | 0.0000 | 0.4312 |
| Unmitigated | 0.0784 | 2.9700e-003 | 0.2577 | 1.0000e-005 | | 1.4300e-003 | 1.4300e-003 | | 1.4300e-003 | 1.4300e-003 | 0.0000 | 0.4211 | 0.4211 | 4.0000e-004 | 0.0000 | 0.4312 |

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 | 5.6300e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.0650 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Hearth | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 7.7500e-003 | 2.9700e-003 | 0.2577 | 1.0000e-005 | | 1.4300e-003 | 1.4300e-003 | | 1.4300e-003 | 1.4300e-003 | 0.0000 | 0.4211 | 0.4211 | 4.0000e-004 | 0.0000 | 0.4312 |
| Total | 0.0784 | 2.9700e-003 | 0.2577 | 1.0000e-005 | | 1.4300e-003 | 1.4300e-003 | | 1.4300e-003 | 1.4300e-003 | 0.0000 | 0.4211 | 0.4211 | 4.0000e-004 | 0.0000 | 0.4312 |

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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 | 5.6300e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.0650 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Hearth | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 7.7500e-003 | 2.9700e-003 | 0.2577 | 1.0000e-005 | | 1.4300e-003 | 1.4300e-003 | | 1.4300e-003 | 1.4300e-003 | 0.0000 | 0.4211 | 0.4211 | 4.0000e-004 | 0.0000 | 0.4312 |
| Total | 0.0784 | 2.9700e-003 | 0.2577 | 1.0000e-005 | | 1.4300e-003 | 1.4300e-003 | | 1.4300e-003 | 1.4300e-003 | 0.0000 | 0.4211 | 0.4211 | 4.0000e-004 | 0.0000 | 0.4312 |

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

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| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|-------------|--------|
| Category | MT/yr | | | |
| Mitigated | 5.3224 | 0.0429 | 1.0500e-003 | 6.7080 |
| Unmitigated | 6.3014 | 0.0536 | 1.3100e-003 | 8.0316 |

7.2 Water by Land Use

Unmitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------|--------------------|---------------|---------------|--------------------|---------------|
| Land Use | Mgal | MT/yr | | | |
| Retirement Community | 1.62885 / 1.02688 | 6.3014 | 0.0536 | 1.3100e-003 | 8.0316 |
| Total | | 6.3014 | 0.0536 | 1.3100e-003 | 8.0316 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7.2 Water by Land Use

Mitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------|--------------------|---------------|---------------|--------------------|---------------|
| Land Use | Mgal | MT/yr | | | |
| Retirement Community | 1.30308 / 0.964244 | 5.3224 | 0.0429 | 1.0500e-003 | 6.7080 |
| Total | | 5.3224 | 0.0429 | 1.0500e-003 | 6.7080 |

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|--------|--------|
| | MT/yr | | | |
| Mitigated | 1.1672 | 0.0690 | 0.0000 | 2.8917 |
| Unmitigated | 2.3344 | 0.1380 | 0.0000 | 5.7834 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.2 Waste by Land Use

Unmitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|----------------------|----------------|---------------|---------------|---------------|---------------|
| Land Use | tons | MT/yr | | | |
| Retirement Community | 11.5 | 2.3344 | 0.1380 | 0.0000 | 5.7834 |
| Total | | 2.3344 | 0.1380 | 0.0000 | 5.7834 |

Mitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|----------------------|----------------|---------------|---------------|---------------|---------------|
| Land Use | tons | MT/yr | | | |
| Retirement Community | 5.75 | 1.1672 | 0.0690 | 0.0000 | 2.8917 |
| Total | | 1.1672 | 0.0690 | 0.0000 | 2.8917 |

9.0 Operational Offroad

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

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|--------|--------|
| Category | MT | | | |
| Unmitigated | 7.7880 | 0.0000 | 0.0000 | 7.7880 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

11.1 Vegetation Land Change

Vegetation Type

| | Initial/Final | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|
| | Acres | MT | | | |
| Others | 0.05 / 0.05 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

11.2 Net New Trees

Species Class

| | Number of Trees | Total CO2 | CH4 | N2O | CO2e |
|---------------|-----------------|---------------|---------------|---------------|---------------|
| | | MT | | | |
| Miscellaneous | 11 | 7.7880 | 0.0000 | 0.0000 | 7.7880 |
| Total | | 7.7880 | 0.0000 | 0.0000 | 7.7880 |

December 21, 2021

Mr. David W. Pickard III
President
Pickard Architects/DLS Builders
13215 Penn Street, Suite 300
Whittier, CA 90602
Work: (562) 945-8821
Cell: (562) 652-2072
E-mail: D3.Pickard@Pickard.com

Subject: Air Quality and Greenhouse Gas Impacts Study Revisions for the Golden Oak Senior Apartments in Whittier, CA

Dear Mr. Pickard:

Yorke Engineering, LLC (Yorke) understands that all of the mixed-use retail space originally included in the Golden Oak Senior Apartments in Whittier, CA, will be replaced with up to six additional dwelling units. As a result, we are providing this letter to address this change and how it may impact the air quality and greenhouse gas study completed by Yorke on February 8, 2021.

IMPACTS

The impacts on air quality and greenhouse gas (GHG) emissions from the change from retail space to residential units would be less than significant (LTS). The difference in construction equipment, and therefore construction emissions, between the construction of retail space and residential space is negligible because the overall square footage of the building would be nearly the same. The operational emissions of retail space would likely be higher than the operational emissions from residential space because fewer daily vehicle trips would be generated by the residential land use. The difference in operational emissions is primarily due to a difference in vehicle miles travelled. Switching from retail to retirement dwelling units would lower the vehicle miles travelled (VMT) substantially. In the initial CalEEMod run, 19 residential units led to 148,217 VMT or ~7,800 VMT per unit. The retail pace generated 108,094 VMT. If this were converted to three or less residential units, the VMT would be expected to drop to 46,800 or less. This difference in vehicle miles would drive operational emissions down.

The previous plan for residential space was about 11,500 square feet and 19 units. The current plan is for 16,019 square feet, 25 units. Adding 6 units and about 4,500 square feet could not realistically increase emissions by more than about 40% (based on the additional new residential space compared to the prior plan). As presented in the Air Quality and GHG letter report, temporary construction and long-term operational emissions are much less than applicable thresholds, and an increase of all emissions by 40% would still result in emissions that are less than significant. This is true for construction emissions, operational emissions, localized emissions, and greenhouse gas emissions.

Pickard Architects/DLS Builders


December 21, 2021

Page 2 of 2

CONCLUSION

Changing the design of the Golden Oak Senior Apartments to replace the 1,400 square feet of retail space with up to six additional dwelling units (25 units total) will not cause significant air quality or greenhouse gas emissions impacts. Should you have any questions or concerns, please contact me at (949) 248-8490.

Sincerely,

A handwritten signature in black ink that reads "James Yorke". The signature is written in a cursive, flowing style.

James Yorke

Engineer

Yorke Engineering, LLC

JRYorke@YorkeEngr.com

cc: Brad Boyes, Yorke Engineering
Michaela Pierandozzi, Pickard Architects/DLS Builders

February 8, 2021

Mr. David W. Pickard III
 President
 Pickard Architects/DLS Builders
 13215 Penn Street, Suite 300
 Whittier, CA 90602
 Work: (562) 945-8821
 Cell: (562) 652-2072
 E-mail: D3.Pickard@Pickard.com

Subject: Air Quality and Greenhouse Gas Impacts Study for the Golden Oak Senior Apartments in Whittier, CA

Dear Mr. Pickard:

Yorke Engineering, LLC (Yorke) is pleased to provide this Air Quality (AQ), Greenhouse Gas (GHG), and Noise Letter Report. This AQ/GHG/Noise Letter Report includes CalEEMod emissions estimates, criteria pollutant analysis, localized significance level (LST) analysis, GHG analysis, and Noise analysis for the proposed multi-residential building development in the City of Whittier, California (City). These evaluations will support a CEQA Categorical Exemption, Initial Study (IS), Negative Declaration (ND), or a Mitigated Negative Declaration (MND), as applicable.

PROJECT DESCRIPTION

DLS Builders (Applicant) is proposing to develop the 19-unit mixed-use “Golden Oaks Senior Apartments” to be located at 6018 Norwalk Boulevard in the City of Whittier, CA, which is within the South Coast Air Quality Management District (SCAQMD). In response to the City Community Development/Planning Services letter regarding PRA20-0004, the standard CEQA Air Quality (AQ), Localized Significance Threshold (LST), and GHG study methodology described below meets the requirements of the SCAQMD and by extension, the City.

DATA SOURCES AND ASSUMPTIONS

The following lists sources of information used in developing the emission estimates for the proposed Project using the California Emissions Estimator Model[®] (CalEEMod). Not all CalEEMod defaults are listed, but some defaults which have a particularly important impact on the project are listed.

- The Applicant defined:
 - Basic project design features including size of building features, number of parking spaces, number of units, landscaping area, etc.;
 - That there are no hearths in any of the units;
 - Low VOC paints will be used in compliance with SCAQMD rules;
 - During construction (site preparation and grading) exposed soil will be watered three times a day, as required by the SCAQMD; and

- Low-flow faucets, toilets, showers, and irrigation will be installed consistent with modern building codes.
- CalEEMod defaults were used for:
 - Construction equipment count, load factor, and age;
 - Architectural coating areas; and
 - Trip counts, vehicle emissions, and all calculations related to traffic and mobile source emissions.
- Google earth provided:
 - Project feature “footprint areas”; and
 - Demolition area for buildings and pavement.

LIST OF TABLES

The project analyses and results are summarized in the following tables:

- Table 1: Land Use Data for CalEEMod Input – 6018 Norwalk Boulevard
- Table 2: SCAQMD CEQA Thresholds of Significance
- Table 3: Construction Emissions Summary and Significance Evaluation
- Table 4: Operational Emissions Summary and Significance Evaluation
- Table 5: Construction Localized Significance Threshold Evaluation
- Table 6: Operational Localized Significance Threshold Evaluation
- Table 7: Greenhouse Gas Emissions Summary and Significance Evaluation

AIR QUALITY AND GREENHOUSE GAS IMPACTS ANALYSES

The Air Quality Section of Appendix G of the California Environmental Quality Act (CEQA) Guidelines (Environmental Checklist Form) contains air quality and GHG significance criteria. Where applicable, quantitative significance criteria established by the local air quality management district (AQMD) may be relied upon to make significance determinations based on mass emissions of criteria pollutants and GHGs, as determined in this report.

Project Emissions Estimation

The construction and operation analysis were performed using CalEEMod version 2016.3.2, the official statewide land use computer model designed to provide a uniform platform for estimating potential criteria pollutant and GHG emissions associated with both construction and operations of land use projects under CEQA. The model quantifies direct emissions from construction and operations (including vehicle use), as well as indirect emissions, such as GHG emissions from energy use, solid waste disposal, vegetation planting and/or removal, and water use. The mobile source emission factors used in the model –published by the California Air Resources Board (CARB)– include the Pavley standards and Low Carbon Fuel standards. The model also identifies project design features, regulatory measures, and mitigation measures to reduce criteria pollutant and GHG emissions along with calculating the benefits achieved from the selected measures.

CalEEMod was developed by the California Air Pollution Control Officers Association (CAPCOA) in collaboration with the SCAQMD, the Bay Area Air Quality Management District (BAAQMD), the San Joaquin Valley Air Pollution Control District (SJVAPCD), and other California air districts. Default land use data (e.g., emission factors, trip lengths, meteorology, source inventory, etc.) were provided by the various California air districts to account for local requirements and conditions. As the official assessment methodology for land use projects in California, CalEEMod is relied upon herein for construction and operational emissions quantification, which forms the basis for the impact analysis.

Based on information received from the Applicant, land use data for CalEEMod input is presented in Table 1. The SCAQMD quantitative significance thresholds shown in Table 2 were used to evaluate project emissions impacts (SCAQMD 2019).

| Table 1: Land Use Data for CalEEMod Input – 6018 Norwalk Boulevard | | | | | | | |
|---------------------------------------------------------------------------|----------------------|----------------------------|--------------------|--------------------|--------------------------------|---------------------------|-------------------|
| Project Element | Land Use Type | Land Use Subtype | Unit Amount | Size Metric | Lot Acreage (footprint) | Square Feet (est.) | Population |
| Senior Apartments | Residential | Retirement Community | 19 | Dwelling Units | 0.21 | 11,515 | 42 |
| Retail Area | Retail | Strip Mall | 1.4 | 1,000 sq. ft. | 0.03 | 1,400 | 0 |
| Retail Parking | Parking | Parking Lot | 7 | Spaces | 0.06 | 2,800 | 0 |
| Parking Garages | Parking | Enclosed Parking Structure | 16 | Spaces | 0.10 | 4,381 | 0 |
| Landscaping | Parking | Other Non-Asphalt Surfaces | 3.2 | 1,000 sq. ft. | 0.07 | 3,200 | 0 |
| Project Site | | | | | 0.47 | 23,296 | 42 |

Source: Applicant 2021, CalEEMod version 2016.3.2

Notes:

Electric utility: Southern California Edison

Climate Zone 9

| Table 2: SCAQMD CEQA Thresholds of Significance | | |
|-----------------------------------------------------------------------|----------------------------------------------------------------------|--------------------------|
| Pollutant | Project Construction | Project Operation |
| | lbs/day | lbs/day |
| ROG (VOC) | 75 | 55 |
| NO _x | 100 | 55 |
| CO | 550 | 550 |
| SO _x | 150 | 150 |
| PM ₁₀ | 150 | 150 |
| PM _{2.5} | 55 | 55 |
| 24-hour PM _{2.5} Increment | 10.4 µg/m ³ | 2.5 µg/m ³ |
| 24-hour PM ₁₀ Increment | 10.4 µg/m ³ | 2.5 µg/m ³ |
| Annual PM ₁₀ Increment | 1.0 µg/m ³ annual average | |
| 1-hour NO ₂ Increment | 0.18 ppm (state) | |
| Annual NO ₂ Increment | 0.03 ppm (state) & 0.0534 ppm (federal) | |
| 1-hour SO ₂ Increment | 0.25 ppm (state) & 0.075 ppm (federal – 99th percentile) | |
| 24-hour SO ₂ Increment | 0.04 ppm (state) | |
| 24-hour Sulfate Increment | 25 µg/m ³ (state) | |
| 1-hour CO Increment | 20 ppm (state) & 35 ppm (federal) | |
| 8-hour CO Increment | 9.0 ppm (state/federal) | |
| Toxic Air Contaminants (including carcinogens and non-carcinogens) | Maximum Incremental Cancer Risk ≥10 in 1 million | |
| | Cancer Burden >0.5 excess cancer cases (in areas ≥1 in 1 million) | |
| | Chronic & Acute Hazard Index ≥1.0 (project increment) | |
| Odor | Project creates an odor nuisance pursuant to Rule 402 | |
| Greenhouse Gases | 10,000 MT/yr CO ₂ e for industrial facilities | |
| | 3,000 MT/yr CO ₂ e for land use projects (draft proposal) | |

Source: SCAQMD 2019, 2008b

Criteria Pollutants from Project Construction

A project's construction phase produces many types of emissions, but PM₁₀ (including PM_{2.5}) in fugitive dust and diesel engine exhaust are the pollutants of greatest concern. Fugitive dust emissions can result from a variety of construction activities, including excavation, grading, demolition, vehicle travel on paved and unpaved surfaces, and vehicle exhaust. Construction-related emissions can cause substantial increases in localized concentrations of PM₁₀, as well as affecting PM₁₀ compliance with ambient air quality standards on a regional basis. Particulate emissions from construction activities can lead to adverse health effects as well as nuisance concerns such as reduced visibility and soiling of exposed surfaces. The use of diesel-powered construction equipment emits ozone precursors oxides of nitrogen (NO_x) and reactive organic gases (ROG), and diesel particulate matter (DPM), the latter being a composite of toxic air contaminants (TACs) containing a variety of hazardous substances. Large construction projects using multiple large earthmoving equipment are evaluated to determine if operations may exceed the District's daily threshold for NO_x emissions and could temporarily expose area residents to hazardous levels of DPM. Use of architectural coatings and other materials associated with

finishing buildings may also emit ROG and TACs. CEQA significance thresholds address the impacts of construction activity emissions on local and regional air quality. Thresholds are also provided for other potential impacts related to project construction, such as odors and TACs.

The SCAQMD’s approach to CEQA analyses of fugitive dust impacts is to require implementation of effective and comprehensive dust control measures rather than to require detailed quantification of emissions. PM₁₀ emitted during construction can vary greatly depending on the level of activity, the specific operations taking place, the equipment being operated, local soils, weather conditions, and other factors, making quantification difficult. Despite this variability in emissions, experience has shown that there are several feasible control measures that can be reasonably implemented to significantly reduce fugitive dust emissions from construction. For larger projects, the SCAQMD has determined that compliance with an approved fugitive dust control plan comprising Best Management Practices (BMPs), primarily through frequent water application, constitutes sufficient mitigation to reduce PM₁₀ impacts to a level considered less than significant.

Criteria Pollutants from Project Operation

The term “project operations” refers to the full range of activities that can or may generate criteria pollutant, GHG, and TAC emissions when the project is functioning in its intended use. For projects, such as office parks, shopping centers, apartment buildings, residential subdivisions, and other indirect sources, motor vehicles traveling to and from the project represents the primary source of air pollutant emissions. For industrial projects and some commercial projects, equipment operation and manufacturing processes, i.e., permitted stationary sources, can be of greatest concern from an emissions standpoint. CEQA significance thresholds address the impacts of operational emission sources on local and regional air quality. Thresholds are also provided for other potential impacts related to project operations, such as odors.

Results of Criteria Emissions Analyses

Table 3 shows unmitigated and mitigated criteria construction emissions and evaluates mitigated emissions against SCAQMD significance thresholds.

Table 4 shows unmitigated and mitigated criteria operational emissions and evaluates mitigated emissions against SCAQMD significance thresholds.

As shown in Tables 3 and 4, mass emissions of criteria pollutants from construction and operation are below applicable SCAQMD significance thresholds.

PROJECTED IMPACT: Less Than Significant (LTS)

ADDITIONAL MITIGATION: None required

| Table 3: Construction Emissions Summary and Significance Evaluation | | | | |
|----------------------------------------------------------------------------|--------------------|------------------|------------------|---------------------|
| Criteria Pollutants | Unmitigated | Mitigated | Threshold | Significance |
| | lbs/day | lbs/day | lbs/day | |
| ROG (VOC) | 17.8 | 17.8 | 75 | LTS |
| NO _x | 8.4 | 8.4 | 100 | LTS |
| CO | 8.1 | 8.1 | 550 | LTS |
| SO _x | 0.0 | 0.0 | 150 | LTS |
| Total PM ₁₀ | 1.3 | 0.82 | 150 | LTS |
| Total PM _{2.5} | 0.8 | 0.58 | 55 | LTS |

Sources: SCAQMD 2019, CalEEMod version 2016.3.2

Notes:

lbs/day are winter or summer maxima for planned land use

Total PM₁₀ / PM_{2.5} comprises fugitive dust plus engine exhaust

LTS - Less Than Significant

| Table 4: Operational Emissions Summary and Significance Evaluation | | | | |
|---------------------------------------------------------------------------|--------------------|------------------|------------------|---------------------|
| Criteria Pollutants | Unmitigated | Mitigated | Threshold | Significance |
| | lbs/day | lbs/day | lbs/day | |
| ROG (VOC) | 5.5 | 0.5 | 55 | LTS |
| NO _x | 1.3 | 0.9 | 55 | LTS |
| CO | 13.2 | 3.6 | 550 | LTS |
| SO _x | 0.0 | 0.0 | 150 | LTS |
| Total PM ₁₀ | 2.1 | 0.60 | 150 | LTS |
| Total PM _{2.5} | 1.6 | 0.18 | 55 | LTS |

Sources: SCAQMD 2019, CalEEMod version 2016.3.2

Notes:

lbs/day are winter or summer maxima for planned land use

LTS - Less Than Significant

Localized Significance Threshold Analysis

The SCAQMD’s Localized Significance Threshold (LST) methodology (2008a) was used to analyze the neighborhood scale impacts of NO_x, CO, PM₁₀, and PM_{2.5} associated with project-specific mass emissions. Introduced in 2003, the LST methodology was revised in 2008 to include the PM_{2.5} significance threshold methodology and update the LST mass rate lookup tables for the new 1-hour NO₂ standard.

For determining localized air quality impacts from small projects in a defined geographic source-receptor area (SRA), the LST methodology provides mass emission rate lookup tables for 1-acre, 2-acre, and 5-acre parcels by SRA. The tabulated LSTs represent the maximum mass emissions from a project that will not cause or contribute to an exceedance of state or national ambient air quality standards (CAAQS or NAAQS) for the above pollutants and were developed based on ambient concentrations of these pollutants for each SRA in the South Coast Air Basin. (SCAQMD 2008a)

For most land use projects, the highest daily emission rates occur during the site preparation and grading phases of construction; these maximum daily emissions are used in the LST analysis.

Since land use operational emissions – mainly from associated traffic – are dispersed over a wide area, localized impacts from project operation are substantially lower than during project construction. However, an Operational LST analysis was also performed.

The land use category “Retirement Community” assumes that some residents travel to and from the location daily while others may not. Additionally, retail “strip mall” space assumes that individuals drive to, or go out of their way, to stop at the retail shops.

The proposed Project site is 0.47 acres in source-receptor area Zone 11 – South San Gabriel Valley. The 1-acre screening lookup tables were used to evaluate NO_x, CO, PM₁₀, and PM_{2.5} impacts on nearby receptors. The nearest receptor is approximately 25 meters away from the site. Therefore, the impact evaluation was performed using the closest distance within SCAQMD LST tables of 25 meters for construction. (SCAQMD 2008a)

Results of Localized Significance Threshold Analysis

The LST results provided in Tables 5 and 6 show that on-site emissions from construction and operations would meet the LST passing criteria at the nearest receptors (25 meters). Thus, impacts would be less than significant.

PROJECTED IMPACT: Less Than Significant (LTS)

ADDITIONAL MITIGATION: None required

| Table 5: Construction Localized Significance Threshold Evaluation | | | | |
|--------------------------------------------------------------------------|------------------|------------------|-----------------------------|---------------|
| Criteria Pollutants | Mitigated | Threshold | Percent of Threshold | Result |
| | lbs/day | lbs/day | | |
| NO _x | 8.4 | 83 | 10% | Pass |
| CO | 8.1 | 673 | 1% | Pass |
| PM ₁₀ | 0.82 | 5 | 16% | Pass |
| PM _{2.5} | 0.58 | 4 | 15% | Pass |

Sources: SCAQMD 2008a, CalEEMod version 2016.3.2

Notes:

Source-receptor area - Whittier - Zone 11 South San Gabriel Valley

Less than 1-acre area, 25 meters to receptor

| Table 6: Operations Localized Significance Threshold Evaluation | | | | |
|------------------------------------------------------------------------|------------------|------------------|-----------------------------|---------------|
| Criteria Pollutants | Mitigated | Threshold | Percent of Threshold | Result |
| | lbs/day | lbs/day | | |
| NO _x | 0.9 | 83 | 1% | Pass |
| CO | 3.6 | 673 | 1% | Pass |
| PM ₁₀ | 0.60 | 1 | 60% | Pass |
| PM _{2.5} | 0.18 | 1 | 18% | Pass |

Sources: SCAQMD 2008a, CalEEMod version 2016.3.2

Notes:

Source-receptor area - Whittier - Zone 11 South San Gabriel Valley

Less than 1-acre area, 25 meters to receptor

Greenhouse Gas Emissions from Construction and Operation

Greenhouse gases – primarily carbon dioxide (CO₂), methane (CH₄), and nitrous (N₂O) oxide, collectively reported as carbon dioxide equivalents (CO₂e) – are directly emitted from stationary source combustion of natural gas in equipment such as water heaters, boilers, process heaters, and furnaces. GHGs are also emitted from mobile sources such as on-road vehicles and off-road construction equipment burning fuels such as gasoline, diesel, biodiesel, propane, or natural gas (compressed or liquefied). Indirect GHG emissions result from electric power generated elsewhere (i.e., power plants) used to operate process equipment, lighting, and utilities at a facility. Also, included in GHG quantification is electric power used to pump the water supply (e.g., aqueducts, wells, pipelines) and disposal and decomposition of municipal waste in landfills. (CARB 2017)

California's Building Energy Efficiency Standards are updated on an approximately three-year cycle. The 2019 standards improved upon the 2016 standards for new construction of, and additions and alterations to, residential, commercial, and industrial buildings. The 2019 standards went into effect on January 1, 2020 (CEC 2019).

Since the Title 24 standards require energy conservation features in new construction (e.g., high-efficiency lighting, high-efficiency heating, ventilating, and air-conditioning (HVAC) systems,

thermal insulation, double-glazed windows, water conserving plumbing fixtures, etc.), they indirectly regulate and reduce GHG emissions.

Using CalEEMod, direct onsite and offsite GHG emissions were estimated for construction and operation, and indirect offsite GHG emissions were estimated to account for electric power used by the proposed Project, water conveyance, and solid waste disposal.

Results of Greenhouse Gas Emissions Analyses

The SCAQMD officially adopted an industrial facility mass emissions threshold of 10,000 metric tons (MT) CO_{2e} per year (SCAQMD 2019) and has proposed a residential/commercial mass emissions threshold of 3,000 metric tons (MT) CO_{2e} per year. (SCAQMD 2008b)

Table 7 shows unmitigated and mitigated GHG emissions and evaluates mitigated emissions against SCAQMD significance thresholds. Operational mitigation measures incorporate typical code-required water conservation features. Off-site traffic impacts are included in these emissions estimates, along with construction emissions amortized over 30 years.

PROJECTED IMPACT: Less Than Significant (LTS)

MITIGATION: None Required.

| Table 7: Greenhouse Gas Emissions Summary and Significance Evaluation | | | | |
|-----------------------------------------------------------------------|-------------|-----------|-----------|--------------|
| Greenhouse Gases | Unmitigated | Mitigated | Threshold | Significance |
| | MT/yr | MT/yr | MT/yr | |
| CO ₂ | 187 | 180 | — | — |
| CH ₄ | 0.2 | 0.2 | — | — |
| N ₂ O | 0.0 | 0.0 | — | — |
| CO _{2e} | 192 | 184 | 3,000 | LTS |

Sources: SCAQMD 2008b, CalEEMod version 2016.3.2

Notes:

Comprises annual operational emissions plus construction emissions amortized over 30 years

LTS - Less Than Significant

Golden Oaks Senior Apartments – 6018 Norwalk Boulevard

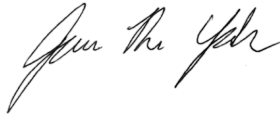
February 8, 2021

Page 10 of 11

CLOSING

Thank you very much for the opportunity to be of assistance to DLS Builders. Should you have any questions, please contact me at (949) 482-8528 (mobile) or Bradford Boyes at (805) 217-4947 (mobile).

Sincerely,



James Yorke | Berkeley Office

Engineer

Yorke Engineering, LLC

JRYorke@YorkeEngr.com

Enclosures/Attachments:

1. CalEEMod Outputs

AIR QUALITY AND GHG REFERENCES

California Air Resources Board (CARB). 2017. California’s 2017 Climate Change Scoping Plan. Website (<https://ww3.arb.ca.gov/cc/scopingplan/scopingplan.htm>) accessed January 29, 2021.

California Department of Resources Recycling and Recovery (CalRecycle). 2016. Solid Waste Cleanup Program Weights and Volumes for Project Estimates. Website (<https://www.calrecycle.ca.gov/swfacilities/cdi/Tools/Calculations>) accessed January 29, 2021.

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South Coast Air Quality Management District (SCAQMD). 2008a. Localized Significance Threshold Methodology. Website (<http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/final-lst-methodology-document.pdf?sfvrsn=2>) accessed January 29, 2021.

South Coast Air Quality Management District (SCAQMD). 2008b. Interim CEQA GHG Significance Threshold for Stationary Sources, Rules and Plans. Website ([http://www.aqmd.gov/docs/default-source/ceqa/handbook/greenhouse-gases-\(ghg\)-ceqa-significance-thresholds/ghgboardsynopsis.pdf?sfvrsn=2](http://www.aqmd.gov/docs/default-source/ceqa/handbook/greenhouse-gases-(ghg)-ceqa-significance-thresholds/ghgboardsynopsis.pdf?sfvrsn=2)) accessed January 29, 2021.

ATTACHMENT 1 – CALEEMOD OUTPUTS

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Winter

Golden Oaks - 6018 Norwalk Boulevard
 South Coast AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|----------------------------|-------|---------------|-------------|--------------------|------------|
| Strip Mall | 1.40 | 1000sqft | 0.03 | 1,400.00 | 0 |
| Retirement Community | 19.00 | Dwelling Unit | 0.21 | 11,515.00 | 42 |
| Parking Lot | 7.00 | Space | 0.06 | 2,800.00 | 0 |
| Enclosed Parking Structure | 16.00 | Space | 0.10 | 4,381.00 | 0 |
| Other Non-Asphalt Surfaces | 3.20 | 1000sqft | 0.07 | 3,200.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|--------------|-------|------------------|-----|---------------------------|------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 31 |
| Climate Zone | 9 | | | Operational Year | 2022 |

Utility Company Southern California Edison

| | | | | | |
|--------------------------|--------|--------------------------|-------|--------------------------|-------|
| CO2 Intensity (lb/MW/hr) | 702.44 | CH4 Intensity (lb/MW/hr) | 0.029 | N2O Intensity (lb/MW/hr) | 0.006 |
|--------------------------|--------|--------------------------|-------|--------------------------|-------|

1.3 User Entered Comments & Non-Default Data

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Winter

Project Characteristics -

Land Use - Per Applicant

Demolition -

Construction Phase - Per Applicant

Woodstoves - Per Applicant

Construction Off-road Equipment Mitigation -

Area Mitigation -

Water Mitigation -

| Table Name | Column Name | Default Value | New Value |
|-------------------|----------------------------|---------------|-----------|
| tblAreaMitigation | UseLowVOCPaintParkingCheck | False | True |
| tblLandUse | LandUseSquareFeet | 19,000.00 | 11,515.00 |
| tblLandUse | LandUseSquareFeet | 6,400.00 | 4,381.00 |
| tblLandUse | LotAcreage | 3.80 | 0.21 |
| tblLandUse | LotAcreage | 0.14 | 0.10 |
| tblLandUse | Population | 54.00 | 42.00 |

2.0 Emissions Summary

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Winter

2.2 Overall Operational
Unmitigated Operational

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|-----------------|-------------------|-------------------|---------------|---------------|-------------------|
| lb/day | | | | | | | | | | | | | | | | |
| Area | 5.3098 | 0.4123 | 11.2345 | 0.0247 | 1.4601 | 1.4601 | 1.4601 | 1.4601 | 1.4601 | 1.4601 | 177.9715 | 344.8285 | 522.8000 | 0.5335 | 0.0121 | 539.7368 |
| Energy | 9.2400e-003 | 0.0790 | 0.0339 | 5.0000e-004 | 6.3800e-003 | 6.3800e-003 | 6.3800e-003 | 6.3800e-003 | 6.3800e-003 | 6.3800e-003 | 100.8063 | 100.8063 | 100.8063 | 1.9300e-003 | 1.8500e-003 | 101.4054 |
| Mobile | 0.1584 | 0.8349 | 1.8527 | 6.8400e-003 | 0.5824 | 5.5800e-003 | 0.5879 | 0.1558 | 5.2100e-003 | 0.1610 | 697.4678 | 697.4678 | 697.4678 | 0.0356 | | 698.3568 |
| Total | 5.4775 | 1.3262 | 13.1211 | 0.0321 | 0.5824 | 1.4720 | 2.0544 | 0.1558 | 1.4717 | 1.6275 | 177.9715 | 1,143.1027 | 1,321.0741 | 0.5710 | 0.0139 | 1,339.4990 |

Mitigated Operational

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|--------------------|-----------------|
| lb/day | | | | | | | | | | | | | | | | |
| Area | 0.3311 | 0.0181 | 1.5720 | 8.0000e-005 | 8.6800e-003 | 8.6800e-003 | 8.6800e-003 | 8.6800e-003 | 8.6800e-003 | 8.6800e-003 | 0.0000 | 2.8285 | 2.8285 | 2.7400e-003 | 0.0000 | 2.8970 |
| Energy | 9.2400e-003 | 0.0790 | 0.0339 | 5.0000e-004 | 6.3800e-003 | 6.3800e-003 | 6.3800e-003 | 6.3800e-003 | 6.3800e-003 | 6.3800e-003 | 100.8063 | 100.8063 | 100.8063 | 1.9300e-003 | 1.8500e-003 | 101.4054 |
| Mobile | 0.1584 | 0.8349 | 1.8527 | 6.8400e-003 | 0.5824 | 5.5800e-003 | 0.5879 | 0.1558 | 5.2100e-003 | 0.1610 | 697.4678 | 697.4678 | 697.4678 | 0.0356 | | 698.3568 |
| Total | 0.4988 | 0.9320 | 3.4586 | 7.4200e-003 | 0.5824 | 0.0206 | 0.6030 | 0.1558 | 0.0203 | 0.1761 | 0.0000 | 801.1027 | 801.1027 | 0.0402 | 1.8500e-003 | 802.6592 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Winter

| | ROG | NOx | CO | SO2 | 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 | 90.89 | 29.72 | 73.64 | 76.86 | 0.00 | 98.60 | 70.65 | 0.00 | 98.62 | 89.18 | 100.00 | 29.92 | 39.36 | 92.95 | 86.72 | 40.08 |

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|-----------|---------------|----------|-------------------|
| 1 | Demolition | Demolition | 3/1/2021 | 3/12/2021 | 5 | 10 | |
| 2 | Site Preparation | Site Preparation | 3/13/2021 | 3/15/2021 | 5 | 1 | |
| 3 | Grading | Grading | 3/16/2021 | 3/17/2021 | 5 | 2 | |
| 4 | Building Construction | Building Construction | 3/18/2021 | 8/4/2021 | 5 | 100 | |
| 5 | Paving | Paving | 8/5/2021 | 8/11/2021 | 5 | 5 | |
| 6 | Architectural Coating | Architectural Coating | 8/12/2021 | 8/18/2021 | 5 | 5 | |

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.23

Residential Indoor: 23,318; Residential Outdoor: 7,773; Non-Residential Indoor: 2,100; Non-Residential Outdoor: 700; Striped Parking Area: 623 (Architectural Coating – sqft)

OffRoad Equipment

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Winter

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |
| Paving | Cement and Mortar Mixers | 4 | 6.00 | 9 | 0.56 |
| Demolition | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Grading | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Building Construction | Cranes | 1 | 4.00 | 231 | 0.29 |
| Building Construction | Forklifts | 2 | 6.00 | 89 | 0.20 |
| Site Preparation | Graders | 1 | 8.00 | 187 | 0.41 |
| Paving | Pavers | 1 | 7.00 | 130 | 0.42 |
| Paving | Rollers | 1 | 7.00 | 80 | 0.38 |
| Demolition | Rubber Tired Dozers | 1 | 1.00 | 247 | 0.40 |
| Grading | Rubber Tired Dozers | 1 | 1.00 | 247 | 0.40 |
| Building Construction | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Demolition | Tractors/Loaders/Backhoes | 2 | 6.00 | 97 | 0.37 |
| Grading | Tractors/Loaders/Backhoes | 2 | 6.00 | 97 | 0.37 |
| Paving | Tractors/Loaders/Backhoes | 1 | 7.00 | 97 | 0.37 |
| Site Preparation | 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 |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Demolition | 4 | 10.00 | 0.00 | 29.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 2 | 5.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 4 | 10.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 5 | 18.00 | 4.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 7 | 18.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 4.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Winter

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2021

Unmitigated Construction On-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| | lb/day | | | | | | | | | | | | | | | |
| Fugitive Dust | | | | | 0.6227 | 0.0000 | 0.6227 | 0.0943 | 0.0000 | 0.0943 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.7965 | 7.2530 | 7.5691 | 0.0120 | | 0.4073 | 0.4073 | | 0.3886 | 0.3886 | | 1,147.4338 | 1,147.4338 | 0.2138 | | 1,152.7797 |
| Total | 0.7965 | 7.2530 | 7.5691 | 0.0120 | 0.6227 | 0.4073 | 1.0301 | 0.0943 | 0.3886 | 0.4829 | | 1,147.4338 | 1,147.4338 | 0.2138 | | 1,152.7797 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Winter

3.2 Demolition - 2021

Unmitigated Construction Off-Site

| Category | lb/day | | | | | | | | | | | CO2e | | | | |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | | NBio- CO2 | Total CO2 | CH4 | N2O |
| Hauling | 0.0216 | 0.7424 | 0.1667 | 2.1800e-003 | 0.0507 | 2.3100e-003 | 0.0530 | 0.0139 | 2.2100e-003 | 0.0161 | | 236.1166 | 236.1166 | 0.0167 | | 236.5348 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0461 | 0.0300 | 0.3385 | 1.0400e-003 | 0.1118 | 8.2000e-004 | 0.1126 | 0.0296 | 7.6000e-004 | 0.0304 | | 103.5668 | 103.5668 | 2.7800e-003 | | 103.6362 |
| Total | 0.0678 | 0.7724 | 0.5053 | 3.2200e-003 | 0.1625 | 3.1300e-003 | 0.1656 | 0.0435 | 2.9700e-003 | 0.0465 | | 339.6834 | 339.6834 | 0.0195 | | 340.1710 |

Mitigated Construction On-Site

| Category | lb/day | | | | | | | | | | | CO2e | | | | |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | | NBio- CO2 | Total CO2 | CH4 | N2O |
| Fugitive Dust | | | | | 0.2429 | 0.0000 | 0.2429 | 0.0368 | 0.0000 | 0.0368 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.7965 | 7.2530 | 7.5691 | 0.0120 | | 0.4073 | 0.4073 | 0.3886 | 0.3886 | 0.3886 | | 1,147.4338 | 1,147.4338 | 0.2138 | | 1,152.7797 |
| Total | 0.7965 | 7.2530 | 7.5691 | 0.0120 | 0.2429 | 0.4073 | 0.6502 | 0.0368 | 0.3886 | 0.4254 | 0.0000 | 1,147.4338 | 1,147.4338 | 0.2138 | | 1,152.7797 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Winter

3.2 Demolition - 2021

Mitigated Construction Off-Site

| Category | lb/day | | | | | | | | | | lb/day | | | | | |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| Hauling | 0.0216 | 0.7424 | 0.1667 | 2.1800e-003 | 0.0507 | 2.3100e-003 | 0.0530 | 0.0139 | 2.2100e-003 | 0.0161 | | 236.1166 | 236.1166 | 0.0167 | | 236.5348 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0461 | 0.0300 | 0.3385 | 1.0400e-003 | 0.1118 | 8.2000e-004 | 0.1126 | 0.0296 | 7.6000e-004 | 0.0304 | | 103.5668 | 103.5668 | 2.7800e-003 | | 103.6362 |
| Total | 0.0678 | 0.7724 | 0.5053 | 3.2200e-003 | 0.1625 | 3.1300e-003 | 0.1656 | 0.0435 | 2.9700e-003 | 0.0465 | | 339.6834 | 339.6834 | 0.0195 | | 340.1710 |

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

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

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Winter

3.3 Site Preparation - 2021
Unmitigated Construction Off-Site

| Category | lb/day | | | | | | | | | | | | | | | | |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------------|----------------|----------------|--------------------|--------|----------------|----------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
| 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 | 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 | 0.0000 |
| Worker | 0.0231 | 0.0150 | 0.1693 | 5.2000e-004 | 0.0559 | 4.1000e-004 | 0.0563 | 0.0148 | 3.8000e-004 | 0.0152 | 51.7834 | 51.7834 | 51.7834 | 1.3900e-003 | | 51.8181 | 51.8181 |
| Total | 0.0231 | 0.0150 | 0.1693 | 5.2000e-004 | 0.0559 | 4.1000e-004 | 0.0563 | 0.0148 | 3.8000e-004 | 0.0152 | 51.7834 | 51.7834 | 51.7834 | 1.3900e-003 | | 51.8181 | 51.8181 |

Mitigated Construction On-Site

| Category | lb/day | | | | | | | | | | | | | | | | |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|-----------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
| Fugitive Dust | | | | | 0.2068 | 0.0000 | 0.2068 | 0.0223 | 0.0000 | 0.0223 | | | 0.0000 | | | 0.0000 | 0.0000 |
| Off-Road | 0.6403 | 7.8204 | 4.0274 | 9.7300e-003 | | 0.2995 | 0.2995 | 0.2755 | 0.2755 | 0.2755 | 0.0000 | 942.5842 | 942.5842 | 0.3049 | | 950.2055 | 950.2055 |
| Total | 0.6403 | 7.8204 | 4.0274 | 9.7300e-003 | 0.2068 | 0.2995 | 0.5063 | 0.0223 | 0.2755 | 0.2978 | 0.0000 | 942.5842 | 942.5842 | 0.3049 | | 950.2055 | 950.2055 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Winter

3.3 Site Preparation - 2021
Mitigated Construction Off-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------------|----------------|----------------|--------------------|--------|----------------|
| lb/day | | | | | | | | | | | | | | | | |
| 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 | 0.0231 | 0.0150 | 0.1693 | 5.2000e-004 | 0.0559 | 4.1000e-004 | 0.0563 | 0.0148 | 3.8000e-004 | 0.0152 | 51.7834 | 51.7834 | 51.7834 | 1.3900e-003 | | 51.8181 |
| Total | 0.0231 | 0.0150 | 0.1693 | 5.2000e-004 | 0.0559 | 4.1000e-004 | 0.0563 | 0.0148 | 3.8000e-004 | 0.0152 | 51.7834 | 51.7834 | 51.7834 | 1.3900e-003 | | 51.8181 |

3.4 Grading - 2021
Unmitigated Construction On-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|-------------------|-------------------|-------------------|---------------|-----|-------------------|
| lb/day | | | | | | | | | | | | | | | | |
| Fugitive Dust | | | | | 0.7528 | 0.0000 | 0.7528 | 0.4138 | 0.0000 | 0.4138 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.7965 | 7.2530 | 7.5691 | 0.0120 | 0.4073 | 0.4073 | 0.4073 | 0.3886 | 0.3886 | 0.3886 | 1,147.4338 | 1,147.4338 | 1,147.4338 | 0.2138 | | 1,152.7797 |
| Total | 0.7965 | 7.2530 | 7.5691 | 0.0120 | 0.7528 | 0.4073 | 1.1601 | 0.4138 | 0.3886 | 0.8024 | 1,147.4338 | 1,147.4338 | 1,147.4338 | 0.2138 | | 1,152.7797 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Winter

3.4 Grading - 2021

Unmitigated Construction Off-Site

| Category | lb/day | | | | | | | | | | lb/day | | | | | | |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|-----------------|-----------------|--------------------|--------|-----|------|-----------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
| 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 |
| 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 |
| Worker | 0.0461 | 0.0300 | 0.3385 | 1.0400e-003 | 0.1118 | 8.2000e-004 | 0.1126 | 0.0296 | 7.6000e-004 | 0.0304 | 103.5668 | 103.5668 | 2.7800e-003 | | | | 103.6362 |
| Total | 0.0461 | 0.0300 | 0.3385 | 1.0400e-003 | 0.1118 | 8.2000e-004 | 0.1126 | 0.0296 | 7.6000e-004 | 0.0304 | 103.5668 | 103.5668 | 2.7800e-003 | | | | 103.6362 |

Mitigated Construction On-Site

| Category | lb/day | | | | | | | | | | lb/day | | | | | | |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|------|-------------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
| Fugitive Dust | | | | | 0.2936 | 0.0000 | 0.2936 | 0.1614 | 0.0000 | 0.1614 | | | 0.0000 | | | | 0.0000 |
| Off-Road | 0.7965 | 7.2530 | 7.5691 | 0.0120 | 0.4073 | 0.4073 | 0.4073 | 0.3886 | 0.3886 | 0.3886 | 0.0000 | 1,147.4338 | 1,147.4338 | 0.2138 | | | 1,152.7797 |
| Total | 0.7965 | 7.2530 | 7.5691 | 0.0120 | 0.2936 | 0.4073 | 0.7009 | 0.1614 | 0.3886 | 0.5500 | 0.0000 | 1,147.4338 | 1,147.4338 | 0.2138 | | | 1,152.7797 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Winter

3.4 Grading - 2021

Mitigated Construction Off-Site

| Category | lb/day | | | | | | | | | | | lb/day | | | | |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|-----------------|-----------------|--------------------|--------------------|--------|-----------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| 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 | 0.0461 | 0.0300 | 0.3385 | 1.0400e-003 | 0.1118 | 8.2000e-004 | 0.1126 | 0.0296 | 7.6000e-004 | 0.0304 | 103.5668 | 103.5668 | 2.7800e-003 | 2.7800e-003 | | 103.6362 |
| Total | 0.0461 | 0.0300 | 0.3385 | 1.0400e-003 | 0.1118 | 8.2000e-004 | 0.1126 | 0.0296 | 7.6000e-004 | 0.0304 | 103.5668 | 103.5668 | 2.7800e-003 | 2.7800e-003 | | 103.6362 |

3.5 Building Construction - 2021

Unmitigated Construction On-Site

| Category | lb/day | | | | | | | | | | | lb/day | | | | |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|-------------------|-------------------|---------------|---------------|-----|-------------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| Off-Road | 0.7750 | 7.9850 | 7.2637 | 0.0114 | 0.4475 | 0.4475 | 0.4475 | 0.4117 | 0.4117 | 0.4117 | 1,103.2158 | 1,103.2158 | 0.3568 | 0.3568 | | 1,112.1358 |
| Total | 0.7750 | 7.9850 | 7.2637 | 0.0114 | 0.4475 | 0.4475 | 0.4475 | 0.4117 | 0.4117 | 0.4117 | 1,103.2158 | 1,103.2158 | 0.3568 | 0.3568 | | 1,112.1358 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Winter

3.5 Building Construction - 2021
Unmitigated Construction Off-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|-----------------|-----------------|-----------------|---------------|-----|-----------------|
| lb/day | | | | | | | | | | | | | | | | |
| 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 |
| Vendor | 0.0117 | 0.3803 | 0.1013 | 9.9000e-004 | 0.0256 | 7.9000e-004 | 0.0264 | 7.3700e-003 | 7.6000e-004 | 8.1300e-003 | 105.8201 | 105.8201 | 105.8201 | 7.0800e-003 | | 105.9971 |
| Worker | 0.0830 | 0.0539 | 0.6094 | 1.8700e-003 | 0.2012 | 1.4800e-003 | 0.2027 | 0.0534 | 1.3600e-003 | 0.0547 | 186.4202 | 186.4202 | 186.4202 | 5.0000e-003 | | 186.5451 |
| Total | 0.0947 | 0.4342 | 0.7107 | 2.8600e-003 | 0.2268 | 2.2700e-003 | 0.2291 | 0.0607 | 2.1200e-003 | 0.0629 | 292.2403 | 292.2403 | 292.2403 | 0.0121 | | 292.5422 |

Mitigated Construction On-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| lb/day | | | | | | | | | | | | | | | | |
| Off-Road | 0.7750 | 7.9850 | 7.2637 | 0.0114 | | 0.4475 | 0.4475 | | 0.4117 | 0.4117 | 0.0000 | 1,103.2158 | 1,103.2158 | 0.3568 | | 1,112.1358 |
| Total | 0.7750 | 7.9850 | 7.2637 | 0.0114 | | 0.4475 | 0.4475 | | 0.4117 | 0.4117 | 0.0000 | 1,103.2158 | 1,103.2158 | 0.3568 | | 1,112.1358 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Winter

3.5 Building Construction - 2021

Mitigated Construction Off-Site

| Category | lb/day | | | | | | | | | | | lb/day | | | | | |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|-----------------|-----------------|-----------------|---------------|-----|------|-----------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
| 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 |
| Vendor | 0.0117 | 0.3803 | 0.1013 | 9.9000e-004 | 0.0256 | 7.9000e-004 | 0.0264 | 7.3700e-003 | 7.6000e-004 | 8.1300e-003 | 105.8201 | 105.8201 | 105.8201 | 7.0800e-003 | | | 105.9971 |
| Worker | 0.0830 | 0.0539 | 0.6094 | 1.8700e-003 | 0.2012 | 1.4800e-003 | 0.2027 | 0.0534 | 1.3600e-003 | 0.0547 | 186.4202 | 186.4202 | 186.4202 | 5.0000e-003 | | | 186.5451 |
| Total | 0.0947 | 0.4342 | 0.7107 | 2.8600e-003 | 0.2268 | 2.2700e-003 | 0.2291 | 0.0607 | 2.1200e-003 | 0.0629 | 292.2403 | 292.2403 | 292.2403 | 0.0121 | | | 292.5422 |

3.6 Paving - 2021

Unmitigated Construction On-Site

| Category | lb/day | | | | | | | | | | | lb/day | | | | | |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|------|-------------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
| Off-Road | 0.7214 | 6.7178 | 7.0899 | 0.0113 | | 0.3534 | 0.3534 | | 0.3286 | 0.3286 | | 1,035.3425 | 1,035.3425 | 0.3016 | | | 1,042.8818 |
| Paving | 0.0314 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | | 0.0000 |
| Total | 0.7528 | 6.7178 | 7.0899 | 0.0113 | | 0.3534 | 0.3534 | | 0.3286 | 0.3286 | | 1,035.3425 | 1,035.3425 | 0.3016 | | | 1,042.8818 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Winter

3.6 Paving - 2021

Unmitigated Construction Off-Site

| Category | lb/day | | | | | | | | | | lb/day | | | | CO2e | |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|-----------------|-----------------|--------------------|--------------------|-----------------|-----------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | | N2O |
| 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 | 0.0830 | 0.0539 | 0.6094 | 1.8700e-003 | 0.2012 | 1.4800e-003 | 0.2027 | 0.0534 | 1.3600e-003 | 0.0547 | 186.4202 | 186.4202 | 5.0000e-003 | 5.0000e-003 | 186.5451 | 186.5451 |
| Total | 0.0830 | 0.0539 | 0.6094 | 1.8700e-003 | 0.2012 | 1.4800e-003 | 0.2027 | 0.0534 | 1.3600e-003 | 0.0547 | 186.4202 | 186.4202 | 5.0000e-003 | 5.0000e-003 | 186.5451 | 186.5451 |

Mitigated Construction On-Site

| Category | lb/day | | | | | | | | | | lb/day | | | | CO2e | |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|------|-------------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | | N2O |
| Off-Road | 0.7214 | 6.7178 | 7.0899 | 0.0113 | | 0.3534 | 0.3534 | 0.3286 | 0.3286 | 0.3286 | 0.0000 | 1,035.3425 | 1,035.3425 | 0.3016 | | 1,042.8818 |
| Paving | 0.0314 | | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 0.7528 | 6.7178 | 7.0899 | 0.0113 | | 0.3534 | 0.3534 | 0.3286 | 0.3286 | 0.3286 | 0.0000 | 1,035.3425 | 1,035.3425 | 0.3016 | | 1,042.8818 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Winter

3.6 Paving - 2021

Mitigated Construction Off-Site

| Category | lb/day | | | | | | | | | | | | | | | | |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|-----------------|-----------------|--------------------|--------------------|-----------------|-----------------|-----------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
| 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 | 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 | 0.0000 |
| Worker | 0.0830 | 0.0539 | 0.6094 | 1.8700e-003 | 0.2012 | 1.4800e-003 | 0.2027 | 0.0534 | 1.3600e-003 | 0.0547 | 186.4202 | 186.4202 | 5.0000e-003 | 5.0000e-003 | 186.5451 | 186.5451 | 186.5451 |
| Total | 0.0830 | 0.0539 | 0.6094 | 1.8700e-003 | 0.2012 | 1.4800e-003 | 0.2027 | 0.0534 | 1.3600e-003 | 0.0547 | 186.4202 | 186.4202 | 5.0000e-003 | 5.0000e-003 | 186.5451 | 186.5451 | 186.5451 |

3.7 Architectural Coating - 2021

Unmitigated Construction On-Site

| Category | lb/day | | | | | | | | | | | | | | | | |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----|-----------------|-----------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
| Archit. Coating | 17.5838 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 | 0.0000 |
| Off-Road | 0.2189 | 1.5268 | 1.8176 | 2.9700e-003 | | 0.0941 | 0.0941 | 0.0941 | 0.0941 | 0.0941 | 281.4481 | 281.4481 | 0.0193 | 0.0193 | | 281.9309 | 281.9309 |
| Total | 17.8027 | 1.5268 | 1.8176 | 2.9700e-003 | | 0.0941 | 0.0941 | 0.0941 | 0.0941 | 0.0941 | 281.4481 | 281.4481 | 0.0193 | 0.0193 | | 281.9309 | 281.9309 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Winter

3.7 Architectural Coating - 2021
Unmitigated Construction Off-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------------|----------------|----------------|--------------------|--------|----------------|
| lb/day | | | | | | | | | | | | | | | | |
| 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 | 0.0185 | 0.0120 | 0.1354 | 4.2000e-004 | 0.0447 | 3.3000e-004 | 0.0450 | 0.0119 | 3.0000e-004 | 0.0122 | 41.4267 | 41.4267 | 41.4267 | 1.1100e-003 | | 41.4545 |
| Total | 0.0185 | 0.0120 | 0.1354 | 4.2000e-004 | 0.0447 | 3.3000e-004 | 0.0450 | 0.0119 | 3.0000e-004 | 0.0122 | 41.4267 | 41.4267 | 41.4267 | 1.1100e-003 | | 41.4545 |

Mitigated Construction On-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| lb/day | | | | | | | | | | | | | | | | |
| Archit. Coating | 17.5838 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.2189 | 1.5268 | 1.8176 | 2.9700e-003 | | 0.0941 | 0.0941 | 0.0941 | 0.0941 | 0.0941 | 0.0000 | 281.4481 | 281.4481 | 0.0193 | | 281.9309 |
| Total | 17.8027 | 1.5268 | 1.8176 | 2.9700e-003 | | 0.0941 | 0.0941 | 0.0941 | 0.0941 | 0.0941 | 0.0000 | 281.4481 | 281.4481 | 0.0193 | | 281.9309 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Winter

3.7 Architectural Coating - 2021

Mitigated Construction Off-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------------|----------------|----------------|--------------------|--------|----------------|
| | lb/day | | | | | | | | | | | | | | | |
| 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 | 0.0185 | 0.0120 | 0.1354 | 4.2000e-004 | 0.0447 | 3.3000e-004 | 0.0450 | 0.0119 | 3.0000e-004 | 0.0122 | 41.4267 | 41.4267 | 41.4267 | 1.1100e-003 | | 41.4545 |
| Total | 0.0185 | 0.0120 | 0.1354 | 4.2000e-004 | 0.0447 | 3.3000e-004 | 0.0450 | 0.0119 | 3.0000e-004 | 0.0122 | 41.4267 | 41.4267 | 41.4267 | 1.1100e-003 | | 41.4545 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Winter

| Category | lb/day | | | | | | | | | | | | | | | |
|-------------|--------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|-----|----------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| Mitigated | 0.1584 | 0.8349 | 1.8527 | 6.8400e-003 | 0.5824 | 5.5800e-003 | 0.5879 | 0.1558 | 5.2100e-003 | 0.1610 | 697.4678 | 697.4678 | 697.4678 | 0.0356 | | 698.3568 |
| Unmitigated | 0.1584 | 0.8349 | 1.8527 | 6.8400e-003 | 0.5824 | 5.5800e-003 | 0.5879 | 0.1558 | 5.2100e-003 | 0.1610 | 697.4678 | 697.4678 | 697.4678 | 0.0356 | | 698.3568 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | | Mitigated | |
|----------------------------|-------------------------|----------|--------|-------------|------------|-----------|--|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT | | |
| Enclosed Parking Structure | 0.00 | 0.00 | 0.00 | | | | |
| Other Non-Asphalt Surfaces | 0.00 | 0.00 | 0.00 | | | | |
| Parking Lot | 0.00 | 0.00 | 0.00 | | | | |
| Retirement Community | 45.60 | 38.57 | 37.05 | 148,217 | 148,217 | | |
| Strip Mall | 62.05 | 58.86 | 28.60 | 108,094 | 108,094 | | |
| Total | 107.65 | 97.43 | 65.65 | 256,311 | 256,311 | | |

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 |
| Enclosed Parking Structure | 16.60 | 8.40 | 6.90 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Other Non-Asphalt Surfaces | 16.60 | 8.40 | 6.90 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Parking Lot | 16.60 | 8.40 | 6.90 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Retirement Community | 14.70 | 5.90 | 8.70 | 40.20 | 19.20 | 40.60 | 86 | 11 | 3 |
| Strip Mall | 16.60 | 8.40 | 6.90 | 16.60 | 64.40 | 19.00 | 45 | 40 | 15 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Winter

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Enclosed Parking Structure | 0.549559 | 0.042893 | 0.201564 | 0.118533 | 0.015569 | 0.005846 | 0.021394 | 0.034255 | 0.002099 | 0.001828 | 0.004855 | 0.000709 | 0.000896 |
| Other Non-Asphalt Surfaces | 0.549559 | 0.042893 | 0.201564 | 0.118533 | 0.015569 | 0.005846 | 0.021394 | 0.034255 | 0.002099 | 0.001828 | 0.004855 | 0.000709 | 0.000896 |
| Parking Lot | 0.549559 | 0.042893 | 0.201564 | 0.118533 | 0.015569 | 0.005846 | 0.021394 | 0.034255 | 0.002099 | 0.001828 | 0.004855 | 0.000709 | 0.000896 |
| Retirement Community | 0.549559 | 0.042893 | 0.201564 | 0.118533 | 0.015569 | 0.005846 | 0.021394 | 0.034255 | 0.002099 | 0.001828 | 0.004855 | 0.000709 | 0.000896 |
| Strip Mall | 0.549559 | 0.042893 | 0.201564 | 0.118533 | 0.015569 | 0.005846 | 0.021394 | 0.034255 | 0.002099 | 0.001828 | 0.004855 | 0.000709 | 0.000896 |

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

| Category | lb/day | | | | | | | | | | lb/day | | | | | |
|------------------------|-------------|--------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|----------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| NaturalGas Mitigated | 9.2400e-003 | 0.0790 | 0.0339 | 5.0000e-004 | 6.3800e-003 | 6.3800e-003 | 6.3800e-003 | 6.3800e-003 | 6.3800e-003 | 6.3800e-003 | 100.8063 | 100.8063 | 100.8063 | 1.9300e-003 | 1.8500e-003 | 101.4054 |
| NaturalGas Unmitigated | 9.2400e-003 | 0.0790 | 0.0339 | 5.0000e-004 | 6.3800e-003 | 6.3800e-003 | 6.3800e-003 | 6.3800e-003 | 6.3800e-003 | 6.3800e-003 | 100.8063 | 100.8063 | 100.8063 | 1.9300e-003 | 1.8500e-003 | 101.4054 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Winter

5.2 Energy by Land Use - Natural Gas

Unmitigated

| Land Use | Natural Gas Use kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | | |
|----------------------------|----------------------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|---------------|-------------|-------------|-----------------|-----------------|--------------------|--------------------|-----------------|--------|
| | | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio-CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e | |
| Enclosed Parking Structure | 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 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 0.0000 |
| Retirement Community | 850.563 | 9.1700e-003 | 0.0784 | 0.0334 | 5.0000e-004 | 6.3400e-003 | 6.3400e-003 | 6.3400e-003 | 6.3400e-003 | 6.3400e-003 | 6.3400e-003 | 6.3400e-003 | 100.0663 | 100.0663 | 1.9200e-003 | 1.8300e-003 | 100.6609 | 0.0000 |
| Strip Mall | 6.29041 | 7.0000e-005 | 6.2000e-004 | 5.2000e-004 | 0.0000 | 5.0000e-005 | 5.0000e-005 | 5.0000e-005 | 5.0000e-005 | 5.0000e-005 | 5.0000e-005 | 5.0000e-005 | 0.7401 | 0.7401 | 1.0000e-005 | 1.0000e-005 | 0.7445 | 0.0000 |
| Total | | 9.2400e-003 | 0.0790 | 0.0339 | 5.0000e-004 | | 6.3900e-003 | 6.3900e-003 | | | | | 100.8063 | 100.8063 | 1.9300e-003 | 1.8400e-003 | 101.4054 | |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Winter

5.2 Energy by Land Use - Natural Gas

Mitigated

| Land Use | Natural Gas Use kBtu/yr | lb/day | | | | | | | | | | lb/day | | | | | | |
|----------------------------|----------------------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-----------------|--------------------|--------------------|-----------------|
| | | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio-CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e | |
| Enclosed Parking Structure | 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 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 0.0000 | 0.0000 | 0.0000 |
| Retirement Community | 0.850563 | 9.1700e-003 | 0.0784 | 0.0334 | 5.0000e-004 | 6.3400e-003 | 6.3400e-003 | 6.3400e-003 | 6.3400e-003 | 6.3400e-003 | 6.3400e-003 | 6.3400e-003 | 6.3400e-003 | 6.3400e-003 | 1.9200e-003 | 1.8300e-003 | 1.8300e-003 | 100.6609 |
| Strip Mall | 0.00629041 | 7.0000e-005 | 6.2000e-004 | 5.2000e-004 | 0.0000 | 5.0000e-005 | 5.0000e-005 | 5.0000e-005 | 5.0000e-005 | 5.0000e-005 | 5.0000e-005 | 5.0000e-005 | 5.0000e-005 | 5.0000e-005 | 0.7401 | 1.0000e-005 | 1.0000e-005 | 0.7445 |
| Total | | 9.2400e-003 | 0.0790 | 0.0339 | 5.0000e-004 | 6.3900e-003 | 6.3900e-003 | 6.3900e-003 | 6.3900e-003 | 6.3900e-003 | 6.3900e-003 | 6.3900e-003 | 6.3900e-003 | 6.3900e-003 | 100.8063 | 1.9300e-003 | 1.8400e-003 | 101.4054 |

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- No Hearths Installed

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Winter

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|--------|---------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|--------|----------|
| lb/day | | | | | | | | | | | | | | | | |
| Mitigated | 0.3311 | 0.0181 | 1.5720 | 8.0000e-005 | 8.6800e-003 | 8.6800e-003 | 8.6800e-003 | 8.6800e-003 | 8.6800e-003 | 8.6800e-003 | 0.0000 | 2.8285 | 2.8285 | 2.7400e-003 | 0.0000 | 2.8970 |
| Unmitigated | 5.3098 | 0.4123 | 11.2345 | 0.0247 | 1.4601 | 1.4601 | 1.4601 | 1.4601 | 1.4601 | 1.4601 | 177.9715 | 344.8285 | 522.8000 | 0.5335 | 0.0121 | 539.7368 |

6.2 Area by SubCategory

Unmitigated

| SubCategory | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|-----------------|-----------------|-----------------|---------------|---------------|-----------------|
| lb/day | | | | | | | | | | | | | | | | |
| Architectural Coating | 0.0241 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.2594 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Hearth | 4.9787 | 0.3942 | 9.6625 | 0.0247 | 1.4514 | 1.4514 | 1.4514 | 1.4514 | 1.4514 | 1.4514 | 177.9715 | 342.0000 | 519.9715 | 0.5308 | 0.0121 | 536.8398 |
| Landscaping | 0.0477 | 0.0181 | 1.5720 | 8.0000e-005 | 8.6800e-003 | 8.6800e-003 | 8.6800e-003 | 8.6800e-003 | 8.6800e-003 | 8.6800e-003 | 2.8285 | 2.8285 | 2.8285 | 2.7400e-003 | | 2.8970 |
| Total | 5.3098 | 0.4123 | 11.2345 | 0.0247 | | 1.4601 | 1.4601 | | 1.4601 | 1.4601 | 177.9715 | 344.8285 | 522.8000 | 0.5335 | 0.0121 | 539.7368 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Winter

6.2 Area by SubCategory

Mitigated

| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
|-----------------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| Architectural Coating | 0.0241 | | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.2594 | | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Hearth | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 0.0477 | 0.0181 | 1.5720 | 8.0000e-005 | | 8.6800e-003 | 8.6800e-003 | 8.6800e-003 | 8.6800e-003 | 8.6800e-003 | 2.8285 | 2.8285 | 2.8285 | 2.7400e-003 | | 2.8970 |
| Total | 0.3311 | 0.0181 | 1.5720 | 8.0000e-005 | | 8.6800e-003 | 8.6800e-003 | 8.6800e-003 | 8.6800e-003 | 8.6800e-003 | 0.0000 | 2.8285 | 2.8285 | 2.7400e-003 | 0.0000 | 2.8970 |

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Winter

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Summer

Golden Oaks - 6018 Norwalk Boulevard
 South Coast AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|----------------------------|-------|---------------|-------------|--------------------|------------|
| Strip Mall | 1.40 | 1000sqft | 0.03 | 1,400.00 | 0 |
| Retirement Community | 19.00 | Dwelling Unit | 0.21 | 11,515.00 | 42 |
| Parking Lot | 7.00 | Space | 0.06 | 2,800.00 | 0 |
| Enclosed Parking Structure | 16.00 | Space | 0.10 | 4,381.00 | 0 |
| Other Non-Asphalt Surfaces | 3.20 | 1000sqft | 0.07 | 3,200.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|---------------------|-------|-------------------------|-----|----------------------------------|------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 31 |
| Climate Zone | 9 | | | Operational Year | 2022 |

Utility Company Southern California Edison

| | | | | | |
|---------------------------------|--------|---------------------------------|-------|---------------------------------|-------|
| CO2 Intensity (lb/MW/hr) | 702.44 | CH4 Intensity (lb/MW/hr) | 0.029 | N2O Intensity (lb/MW/hr) | 0.006 |
|---------------------------------|--------|---------------------------------|-------|---------------------------------|-------|

1.3 User Entered Comments & Non-Default Data

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Summer

Project Characteristics -

Land Use - Per Applicant

Demolition -

Construction Phase - Per Applicant

Woodstoves - Per Applicant

Construction Off-road Equipment Mitigation -

Area Mitigation -

Water Mitigation -

| Table Name | Column Name | Default Value | New Value |
|-------------------|----------------------------|---------------|-----------|
| tblAreaMitigation | UseLowVOCPaintParkingCheck | False | True |
| tblLandUse | LandUseSquareFeet | 19,000.00 | 11,515.00 |
| tblLandUse | LandUseSquareFeet | 6,400.00 | 4,381.00 |
| tblLandUse | LotAcreage | 3.80 | 0.21 |
| tblLandUse | LotAcreage | 0.14 | 0.10 |
| tblLandUse | Population | 54.00 | 42.00 |

2.0 Emissions Summary

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Summer

2.2 Overall Operational
Unmitigated Operational

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|-----------------|-------------------|-------------------|---------------|---------------|-------------------|
| lb/day | | | | | | | | | | | | | | | | |
| Area | 5.3098 | 0.4123 | 11.2345 | 0.0247 | 1.4601 | 1.4601 | 1.4601 | 1.4601 | 1.4601 | 1.4601 | 177.9715 | 344.8285 | 522.8000 | 0.5335 | 0.0121 | 539.7368 |
| Energy | 9.2400e-003 | 0.0790 | 0.0339 | 5.0000e-004 | 6.3800e-003 | 6.3800e-003 | 6.3800e-003 | 6.3800e-003 | 6.3800e-003 | 6.3800e-003 | 100.8063 | 100.8063 | 100.8063 | 1.9300e-003 | 1.8500e-003 | 101.4054 |
| Mobile | 0.1671 | 0.8237 | 1.9579 | 7.2400e-003 | 0.5824 | 5.5400e-003 | 0.5879 | 0.1558 | 5.1700e-003 | 0.1610 | 737.0478 | 737.0478 | 737.0478 | 0.0353 | | 737.9305 |
| Total | 5.4862 | 1.3151 | 13.2263 | 0.0325 | 0.5824 | 1.4720 | 2.0543 | 0.1558 | 1.4716 | 1.6274 | 177.9715 | 1,182.6826 | 1,360.6541 | 0.5707 | 0.0139 | 1,379.0726 |

Mitigated Operational

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|--------------------|-----------------|
| lb/day | | | | | | | | | | | | | | | | |
| Area | 0.3311 | 0.0181 | 1.5720 | 8.0000e-005 | 8.6800e-003 | 8.6800e-003 | 8.6800e-003 | 8.6800e-003 | 8.6800e-003 | 8.6800e-003 | 0.0000 | 2.8285 | 2.8285 | 2.7400e-003 | 0.0000 | 2.8970 |
| Energy | 9.2400e-003 | 0.0790 | 0.0339 | 5.0000e-004 | 6.3800e-003 | 6.3800e-003 | 6.3800e-003 | 6.3800e-003 | 6.3800e-003 | 6.3800e-003 | 100.8063 | 100.8063 | 100.8063 | 1.9300e-003 | 1.8500e-003 | 101.4054 |
| Mobile | 0.1671 | 0.8237 | 1.9579 | 7.2400e-003 | 0.5824 | 5.5400e-003 | 0.5879 | 0.1558 | 5.1700e-003 | 0.1610 | 737.0478 | 737.0478 | 737.0478 | 0.0353 | | 737.9305 |
| Total | 0.5075 | 0.9208 | 3.5638 | 7.8200e-003 | 0.5824 | 0.0206 | 0.6030 | 0.1558 | 0.0202 | 0.1761 | 0.0000 | 840.6826 | 840.6826 | 0.0400 | 1.8500e-003 | 842.2328 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Summer

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------|-------|-------|-------|-------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|-------|-------|-------|
| Percent Reduction | 90.75 | 29.98 | 73.06 | 75.92 | 0.00 | 98.60 | 70.65 | 0.00 | 98.63 | 89.18 | 100.00 | 28.92 | 38.21 | 92.99 | 86.72 | 38.93 |

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|-----------|---------------|----------|-------------------|
| 1 | Demolition | Demolition | 3/1/2021 | 3/12/2021 | 5 | 10 | |
| 2 | Site Preparation | Site Preparation | 3/13/2021 | 3/15/2021 | 5 | 1 | |
| 3 | Grading | Grading | 3/16/2021 | 3/17/2021 | 5 | 2 | |
| 4 | Building Construction | Building Construction | 3/18/2021 | 8/4/2021 | 5 | 100 | |
| 5 | Paving | Paving | 8/5/2021 | 8/11/2021 | 5 | 5 | |
| 6 | Architectural Coating | Architectural Coating | 8/12/2021 | 8/18/2021 | 5 | 5 | |

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.23

Residential Indoor: 23,318; Residential Outdoor: 7,773; Non-Residential Indoor: 2,100; Non-Residential Outdoor: 700; Striped Parking Area: 623 (Architectural Coating – sqft)

OffRoad Equipment

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Summer

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |
| Paving | Cement and Mortar Mixers | 4 | 6.00 | 9 | 0.56 |
| Demolition | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Grading | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Building Construction | Cranes | 1 | 4.00 | 231 | 0.29 |
| Building Construction | Forklifts | 2 | 6.00 | 89 | 0.20 |
| Site Preparation | Graders | 1 | 8.00 | 187 | 0.41 |
| Paving | Pavers | 1 | 7.00 | 130 | 0.42 |
| Paving | Rollers | 1 | 7.00 | 80 | 0.38 |
| Demolition | Rubber Tired Dozers | 1 | 1.00 | 247 | 0.40 |
| Grading | Rubber Tired Dozers | 1 | 1.00 | 247 | 0.40 |
| Building Construction | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Demolition | Tractors/Loaders/Backhoes | 2 | 6.00 | 97 | 0.37 |
| Grading | Tractors/Loaders/Backhoes | 2 | 6.00 | 97 | 0.37 |
| Paving | Tractors/Loaders/Backhoes | 1 | 7.00 | 97 | 0.37 |
| Site Preparation | 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 |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Demolition | 4 | 10.00 | 0.00 | 29.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 2 | 5.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 4 | 10.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 5 | 18.00 | 4.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 7 | 18.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 4.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Summer

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2021

Unmitigated Construction On-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| lb/day | | | | | | | | | | | | | | | | |
| Fugitive Dust | | | | | 0.6227 | 0.0000 | 0.6227 | 0.0943 | 0.0000 | 0.0943 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.7965 | 7.2530 | 7.5691 | 0.0120 | | 0.4073 | 0.4073 | | 0.3886 | 0.3886 | | 1,147.4338 | 1,147.4338 | 0.2138 | | 1,152.7797 |
| Total | 0.7965 | 7.2530 | 7.5691 | 0.0120 | 0.6227 | 0.4073 | 1.0301 | 0.0943 | 0.3886 | 0.4829 | | 1,147.4338 | 1,147.4338 | 0.2138 | | 1,152.7797 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Summer

3.2 Demolition - 2021

Unmitigated Construction Off-Site

| Category | lb/day | | | | | | | | | | | lb/day | | | | |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| Hauling | 0.0210 | 0.7337 | 0.1553 | 2.2200e-003 | 0.0507 | 2.2700e-003 | 0.0530 | 0.0139 | 2.1800e-003 | 0.0161 | | 240.5665 | 240.5665 | 0.0161 | | 240.9677 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0422 | 0.0274 | 0.3767 | 1.1100e-003 | 0.1118 | 8.2000e-004 | 0.1126 | 0.0296 | 7.6000e-004 | 0.0304 | | 110.7403 | 110.7403 | 2.9800e-003 | | 110.8148 |
| Total | 0.0633 | 0.7611 | 0.5320 | 3.3300e-003 | 0.1625 | 3.0900e-003 | 0.1656 | 0.0435 | 2.9400e-003 | 0.0465 | | 351.3068 | 351.3068 | 0.0190 | | 351.7825 |

Mitigated Construction On-Site

| Category | lb/day | | | | | | | | | | | lb/day | | | | |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| Fugitive Dust | | | | | 0.2429 | 0.0000 | 0.2429 | 0.0368 | 0.0000 | 0.0368 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.7965 | 7.2530 | 7.5691 | 0.0120 | | 0.4073 | 0.4073 | 0.3886 | | 0.3886 | 0.0000 | 1,147.4338 | 1,147.4338 | 0.2138 | | 1,152.7797 |
| Total | 0.7965 | 7.2530 | 7.5691 | 0.0120 | 0.2429 | 0.4073 | 0.6502 | 0.0368 | 0.3886 | 0.4254 | 0.0000 | 1,147.4338 | 1,147.4338 | 0.2138 | | 1,152.7797 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Summer

3.2 Demolition - 2021

Mitigated Construction Off-Site

| Category | lb/day | | | | | | | | | | | lb/day | | | | |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| Hauling | 0.0210 | 0.7337 | 0.1553 | 2.2200e-003 | 0.0507 | 2.2700e-003 | 0.0530 | 0.0139 | 2.1800e-003 | 0.0161 | | 240.5665 | 240.5665 | 0.0161 | | 240.9677 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0422 | 0.0274 | 0.3767 | 1.1100e-003 | 0.1118 | 8.2000e-004 | 0.1126 | 0.0296 | 7.6000e-004 | 0.0304 | | 110.7403 | 110.7403 | 2.9800e-003 | | 110.8148 |
| Total | 0.0633 | 0.7611 | 0.5320 | 3.3300e-003 | 0.1625 | 3.0900e-003 | 0.1656 | 0.0435 | 2.9400e-003 | 0.0465 | | 351.3068 | 351.3068 | 0.0190 | | 351.7825 |

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

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

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Summer

3.3 Site Preparation - 2021
Unmitigated Construction Off-Site

| Category | lb/day | | | | | | | | | | | | | | | | |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------------|----------------|----------------|--------------------|--------|----------------|----------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
| 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 | 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 | 0.0000 |
| Worker | 0.0211 | 0.0137 | 0.1884 | 5.6000e-004 | 0.0559 | 4.1000e-004 | 0.0563 | 0.0148 | 3.8000e-004 | 0.0152 | 55.3702 | 55.3702 | 55.3702 | 1.4900e-003 | | 55.4074 | 55.4074 |
| Total | 0.0211 | 0.0137 | 0.1884 | 5.6000e-004 | 0.0559 | 4.1000e-004 | 0.0563 | 0.0148 | 3.8000e-004 | 0.0152 | 55.3702 | 55.3702 | 55.3702 | 1.4900e-003 | | 55.4074 | 55.4074 |

Mitigated Construction On-Site

| Category | lb/day | | | | | | | | | | | | | | | | |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|-----------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
| Fugitive Dust | | | | | 0.2068 | 0.0000 | 0.2068 | 0.0223 | 0.0000 | 0.0223 | | | 0.0000 | | | 0.0000 | 0.0000 |
| Off-Road | 0.6403 | 7.8204 | 4.0274 | 9.7300e-003 | | 0.2995 | 0.2995 | 0.2755 | 0.2755 | 0.2755 | 0.0000 | 942.5842 | 942.5842 | 0.3049 | | 950.2055 | 950.2055 |
| Total | 0.6403 | 7.8204 | 4.0274 | 9.7300e-003 | 0.2068 | 0.2995 | 0.5063 | 0.0223 | 0.2755 | 0.2978 | 0.0000 | 942.5842 | 942.5842 | 0.3049 | | 950.2055 | 950.2055 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Summer

3.3 Site Preparation - 2021
Mitigated Construction Off-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------------|----------------|----------------|--------------------|--------|----------------|
| lb/day | | | | | | | | | | | | | | | | |
| 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 | 0.0211 | 0.0137 | 0.1884 | 5.6000e-004 | 0.0559 | 4.1000e-004 | 0.0563 | 0.0148 | 3.8000e-004 | 0.0152 | 55.3702 | 55.3702 | 55.3702 | 1.4900e-003 | | 55.4074 |
| Total | 0.0211 | 0.0137 | 0.1884 | 5.6000e-004 | 0.0559 | 4.1000e-004 | 0.0563 | 0.0148 | 3.8000e-004 | 0.0152 | 55.3702 | 55.3702 | 55.3702 | 1.4900e-003 | | 55.4074 |

3.4 Grading - 2021
Unmitigated Construction On-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|-------------------|-------------------|-------------------|---------------|-----|-------------------|
| lb/day | | | | | | | | | | | | | | | | |
| Fugitive Dust | | | | | 0.7528 | 0.0000 | 0.7528 | 0.4138 | 0.0000 | 0.4138 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.7965 | 7.2530 | 7.5691 | 0.0120 | 0.4073 | 0.4073 | 0.4073 | 0.3886 | 0.3886 | 0.3886 | 1,147.4338 | 1,147.4338 | 1,147.4338 | 0.2138 | | 1,152.7797 |
| Total | 0.7965 | 7.2530 | 7.5691 | 0.0120 | 0.7528 | 0.4073 | 1.1601 | 0.4138 | 0.3886 | 0.8024 | 1,147.4338 | 1,147.4338 | 1,147.4338 | 0.2138 | | 1,152.7797 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Summer

3.4 Grading - 2021

Unmitigated Construction Off-Site

| Category | lb/day | | | | | | | | | | | | | | | | |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|-----------------|-----------------|-----------------|--------------------|-----------------|-----------------|-----------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
| 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 | 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 | 0.0000 |
| Worker | 0.0422 | 0.0274 | 0.3767 | 1.1100e-003 | 0.1118 | 8.2000e-004 | 0.1126 | 0.0296 | 7.6000e-004 | 0.0304 | 110.7403 | 110.7403 | 110.7403 | 2.9800e-003 | 110.8148 | 110.8148 | 110.8148 |
| Total | 0.0422 | 0.0274 | 0.3767 | 1.1100e-003 | 0.1118 | 8.2000e-004 | 0.1126 | 0.0296 | 7.6000e-004 | 0.0304 | 110.7403 | 110.7403 | 110.7403 | 2.9800e-003 | 110.8148 | 110.8148 | 110.8148 |

Mitigated Construction On-Site

| Category | lb/day | | | | | | | | | | | | | | | |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| Fugitive Dust | | | | | 0.2936 | 0.0000 | 0.2936 | 0.1614 | 0.0000 | 0.1614 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.7965 | 7.2530 | 7.5691 | 0.0120 | 0.4073 | 0.4073 | 0.4073 | 0.3886 | 0.3886 | 0.3886 | 0.0000 | 1,147.4338 | 1,147.4338 | 0.2138 | | 1,152.7797 |
| Total | 0.7965 | 7.2530 | 7.5691 | 0.0120 | 0.2936 | 0.4073 | 0.7009 | 0.1614 | 0.3886 | 0.5500 | 0.0000 | 1,147.4338 | 1,147.4338 | 0.2138 | | 1,152.7797 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Summer

3.4 Grading - 2021

Mitigated Construction Off-Site

| Category | lb/day | | | | | | | | | | | | | | | | |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|-----------------|-----------------|--------------------|--------------------|-----------------|-----------------|-----------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
| 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 | 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 | 0.0000 |
| Worker | 0.0422 | 0.0274 | 0.3767 | 1.1100e-003 | 0.1118 | 8.2000e-004 | 0.1126 | 0.0296 | 7.6000e-004 | 0.0304 | 110.7403 | 110.7403 | 2.9800e-003 | 2.9800e-003 | 110.8148 | 110.8148 | 110.8148 |
| Total | 0.0422 | 0.0274 | 0.3767 | 1.1100e-003 | 0.1118 | 8.2000e-004 | 0.1126 | 0.0296 | 7.6000e-004 | 0.0304 | 110.7403 | 110.7403 | 2.9800e-003 | 2.9800e-003 | 110.8148 | 110.8148 | 110.8148 |

3.5 Building Construction - 2021

Unmitigated Construction On-Site

| Category | lb/day | | | | | | | | | | | | | | | | |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|-------------------|-------------------|---------------|---------------|-------------------|-------------------|-------------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
| Off-Road | 0.7750 | 7.9850 | 7.2637 | 0.0114 | 0.4475 | 0.4475 | 0.4475 | 0.4117 | 0.4117 | 0.4117 | 1,103.2158 | 1,103.2158 | 0.3568 | 0.3568 | 1,112.1358 | 1,112.1358 | 1,112.1358 |
| Total | 0.7750 | 7.9850 | 7.2637 | 0.0114 | 0.4475 | 0.4475 | 0.4475 | 0.4117 | 0.4117 | 0.4117 | 1,103.2158 | 1,103.2158 | 0.3568 | 0.3568 | 1,112.1358 | 1,112.1358 | 1,112.1358 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Summer

3.5 Building Construction - 2021
Unmitigated Construction Off-Site

| Category | lb/day | | | | | | | | | | | | | | | | |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|-----------------|-----------------|-----------------|---------------|--------|-----------------|--------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
| 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 | 0.0000 |
| Vendor | 0.0111 | 0.3815 | 0.0905 | 1.0200e-003 | 0.0256 | 7.7000e-004 | 0.0264 | 7.3700e-003 | 7.3000e-004 | 8.1000e-003 | 108.9754 | 108.9754 | 108.9754 | 6.5900e-003 | | 109.1402 | |
| Worker | 0.0760 | 0.0493 | 0.6781 | 2.0000e-003 | 0.2012 | 1.4800e-003 | 0.2027 | 0.0534 | 1.3600e-003 | 0.0547 | 199.3326 | 199.3326 | 199.3326 | 5.3600e-003 | | 199.4666 | |
| Total | 0.0871 | 0.4308 | 0.7686 | 3.0200e-003 | 0.2268 | 2.2500e-003 | 0.2291 | 0.0607 | 2.0900e-003 | 0.0628 | 308.3080 | 308.3080 | 308.3080 | 0.0120 | | 308.6068 | |

Mitigated Construction On-Site

| Category | lb/day | | | | | | | | | | | | | | | | |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|--|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
| Off-Road | 0.7750 | 7.9850 | 7.2637 | 0.0114 | | 0.4475 | 0.4475 | | 0.4117 | 0.4117 | 0.0000 | 1,103.2158 | 1,103.2158 | 0.3568 | | 1,112.1358 | |
| Total | 0.7750 | 7.9850 | 7.2637 | 0.0114 | | 0.4475 | 0.4475 | | 0.4117 | 0.4117 | 0.0000 | 1,103.2158 | 1,103.2158 | 0.3568 | | 1,112.1358 | |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Summer

3.5 Building Construction - 2021
Mitigated Construction Off-Site

| Category | lb/day | | | | | | | | | | | lb/day | | | | | |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|-----------------|-----------------|-----------------|---------------|-----|------|-----------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
| 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 |
| Vendor | 0.0111 | 0.3815 | 0.0905 | 1.0200e-003 | 0.0256 | 7.7000e-004 | 0.0264 | 7.3700e-003 | 7.3000e-004 | 8.1000e-003 | 108.9754 | 108.9754 | 108.9754 | 6.5900e-003 | | | 109.1402 |
| Worker | 0.0760 | 0.0493 | 0.6781 | 2.0000e-003 | 0.2012 | 1.4800e-003 | 0.2027 | 0.0534 | 1.3600e-003 | 0.0547 | 199.3326 | 199.3326 | 199.3326 | 5.3600e-003 | | | 199.4666 |
| Total | 0.0871 | 0.4308 | 0.7686 | 3.0200e-003 | 0.2268 | 2.2500e-003 | 0.2291 | 0.0607 | 2.0900e-003 | 0.0628 | 308.3080 | 308.3080 | 308.3080 | 0.0120 | | | 308.6068 |

3.6 Paving - 2021
Unmitigated Construction On-Site

| Category | lb/day | | | | | | | | | | | lb/day | | | | | |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|------|-------------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
| Off-Road | 0.7214 | 6.7178 | 7.0899 | 0.0113 | | 0.3534 | 0.3534 | | 0.3286 | 0.3286 | | 1,035.3425 | 1,035.3425 | 0.3016 | | | 1,042.8818 |
| Paving | 0.0314 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | | 0.0000 |
| Total | 0.7528 | 6.7178 | 7.0899 | 0.0113 | | 0.3534 | 0.3534 | | 0.3286 | 0.3286 | | 1,035.3425 | 1,035.3425 | 0.3016 | | | 1,042.8818 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Summer

3.6 Paving - 2021

Unmitigated Construction Off-Site

| Category | lb/day | | | | | | | | | | lb/day | | | | | |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|-----------------|-----------------|--------------------|-----------------|-----|-----------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| 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 |
| 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 |
| Worker | 0.0760 | 0.0493 | 0.6781 | 2.0000e-003 | 0.2012 | 1.4800e-003 | 0.2027 | 0.0534 | 1.3600e-003 | 0.0547 | 199.3326 | 199.3326 | 5.3600e-003 | 199.4666 | | 199.4666 |
| Total | 0.0760 | 0.0493 | 0.6781 | 2.0000e-003 | 0.2012 | 1.4800e-003 | 0.2027 | 0.0534 | 1.3600e-003 | 0.0547 | 199.3326 | 199.3326 | 5.3600e-003 | 199.4666 | | 199.4666 |

Mitigated Construction On-Site

| Category | lb/day | | | | | | | | | | lb/day | | | | | |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| Off-Road | 0.7214 | 6.7178 | 7.0899 | 0.0113 | | 0.3534 | 0.3534 | 0.3286 | 0.3286 | 0.3286 | 0.0000 | 1,035.3425 | 1,035.3425 | 0.3016 | | 1,042.8818 |
| Paving | 0.0314 | | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 0.7528 | 6.7178 | 7.0899 | 0.0113 | | 0.3534 | 0.3534 | 0.3286 | 0.3286 | 0.3286 | 0.0000 | 1,035.3425 | 1,035.3425 | 0.3016 | | 1,042.8818 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Summer

3.6 Paving - 2021

Mitigated Construction Off-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|-----------------|-----------------|--------------------|-----------------|-----------------|-----------------|
| lb/day | | | | | | | | | | | | | | | | |
| 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 | 0.0760 | 0.0493 | 0.6781 | 2.0000e-003 | 0.2012 | 1.4800e-003 | 0.2027 | 0.0534 | 1.3600e-003 | 0.0547 | 199.3326 | 199.3326 | 5.3600e-003 | 199.4666 | 199.4666 | 199.4666 |
| Total | 0.0760 | 0.0493 | 0.6781 | 2.0000e-003 | 0.2012 | 1.4800e-003 | 0.2027 | 0.0534 | 1.3600e-003 | 0.0547 | 199.3326 | 199.3326 | 5.3600e-003 | 199.4666 | 199.4666 | 199.4666 |

3.7 Architectural Coating - 2021

Unmitigated Construction On-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|-----------------|
| lb/day | | | | | | | | | | | | | | | | |
| Archit. Coating | 17.5838 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.2189 | 1.5268 | 1.8176 | 2.9700e-003 | 0.0941 | 0.0941 | 0.0941 | 0.0941 | 0.0941 | 0.0941 | 281.4481 | 281.4481 | 0.0193 | 0.0193 | 281.9309 | 281.9309 |
| Total | 17.8027 | 1.5268 | 1.8176 | 2.9700e-003 | 0.0941 | 0.0941 | 0.0941 | 0.0941 | 0.0941 | 0.0941 | 281.4481 | 281.4481 | 0.0193 | 0.0193 | 281.9309 | 281.9309 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Summer

3.7 Architectural Coating - 2021
Unmitigated Construction Off-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------------|----------------|----------------|--------------------|--------|----------------|
| lb/day | | | | | | | | | | | | | | | | |
| 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 | 0.0169 | 0.0110 | 0.1507 | 4.4000e-004 | 0.0447 | 3.3000e-004 | 0.0450 | 0.0119 | 3.0000e-004 | 0.0122 | 44.2961 | 44.2961 | 44.2961 | 1.1900e-003 | | 44.3259 |
| Total | 0.0169 | 0.0110 | 0.1507 | 4.4000e-004 | 0.0447 | 3.3000e-004 | 0.0450 | 0.0119 | 3.0000e-004 | 0.0122 | 44.2961 | 44.2961 | 44.2961 | 1.1900e-003 | | 44.3259 |

Mitigated Construction On-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| lb/day | | | | | | | | | | | | | | | | |
| Archit. Coating | 17.5838 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.2189 | 1.5268 | 1.8176 | 2.9700e-003 | | 0.0941 | 0.0941 | 0.0941 | 0.0941 | 0.0941 | 0.0000 | 281.4481 | 281.4481 | 0.0193 | | 281.9309 |
| Total | 17.8027 | 1.5268 | 1.8176 | 2.9700e-003 | | 0.0941 | 0.0941 | 0.0941 | 0.0941 | 0.0941 | 0.0000 | 281.4481 | 281.4481 | 0.0193 | | 281.9309 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Summer

3.7 Architectural Coating - 2021

Mitigated Construction Off-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------------|----------------|----------------|--------------------|--------|----------------|
| | lb/day | | | | | | | | | | | | | | | |
| 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 | 0.0169 | 0.0110 | 0.1507 | 4.4000e-004 | 0.0447 | 3.3000e-004 | 0.0450 | 0.0119 | 3.0000e-004 | 0.0122 | 44.2961 | 44.2961 | 44.2961 | 1.1900e-003 | | 44.3259 |
| Total | 0.0169 | 0.0110 | 0.1507 | 4.4000e-004 | 0.0447 | 3.3000e-004 | 0.0450 | 0.0119 | 3.0000e-004 | 0.0122 | 44.2961 | 44.2961 | 44.2961 | 1.1900e-003 | | 44.3259 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Summer

| Category | lb/day | | | | | | | | | | | | | | | |
|-------------|--------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|-----|----------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| Mitigated | 0.1671 | 0.8237 | 1.9579 | 7.2400e-003 | 0.5824 | 5.5400e-003 | 0.5879 | 0.1558 | 5.1700e-003 | 0.1610 | 737.0478 | 737.0478 | 737.0478 | 0.0353 | | 737.9305 |
| Unmitigated | 0.1671 | 0.8237 | 1.9579 | 7.2400e-003 | 0.5824 | 5.5400e-003 | 0.5879 | 0.1558 | 5.1700e-003 | 0.1610 | 737.0478 | 737.0478 | 737.0478 | 0.0353 | | 737.9305 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | | Mitigated | |
|----------------------------|-------------------------|----------|--------|-------------|------------|------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT | Annual VMT | Annual VMT |
| Enclosed Parking Structure | 0.00 | 0.00 | 0.00 | | | | |
| Other Non-Asphalt Surfaces | 0.00 | 0.00 | 0.00 | | | | |
| Parking Lot | 0.00 | 0.00 | 0.00 | | | | |
| Retirement Community | 45.60 | 38.57 | 37.05 | 148,217 | 148,217 | 148,217 | 148,217 |
| Strip Mall | 62.05 | 58.86 | 28.60 | 108,094 | 108,094 | 108,094 | 108,094 |
| Total | 107.65 | 97.43 | 65.65 | 256,311 | 256,311 | 256,311 | 256,311 |

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 |
| Enclosed Parking Structure | 16.60 | 8.40 | 6.90 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Other Non-Asphalt Surfaces | 16.60 | 8.40 | 6.90 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Parking Lot | 16.60 | 8.40 | 6.90 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Retirement Community | 14.70 | 5.90 | 8.70 | 40.20 | 19.20 | 40.60 | 86 | 11 | 3 |
| Strip Mall | 16.60 | 8.40 | 6.90 | 16.60 | 64.40 | 19.00 | 45 | 40 | 15 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Summer

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Enclosed Parking Structure | 0.549559 | 0.042893 | 0.201564 | 0.118533 | 0.015569 | 0.005846 | 0.021394 | 0.034255 | 0.002099 | 0.001828 | 0.004855 | 0.000709 | 0.000896 |
| Other Non-Asphalt Surfaces | 0.549559 | 0.042893 | 0.201564 | 0.118533 | 0.015569 | 0.005846 | 0.021394 | 0.034255 | 0.002099 | 0.001828 | 0.004855 | 0.000709 | 0.000896 |
| Parking Lot | 0.549559 | 0.042893 | 0.201564 | 0.118533 | 0.015569 | 0.005846 | 0.021394 | 0.034255 | 0.002099 | 0.001828 | 0.004855 | 0.000709 | 0.000896 |
| Retirement Community | 0.549559 | 0.042893 | 0.201564 | 0.118533 | 0.015569 | 0.005846 | 0.021394 | 0.034255 | 0.002099 | 0.001828 | 0.004855 | 0.000709 | 0.000896 |
| Strip Mall | 0.549559 | 0.042893 | 0.201564 | 0.118533 | 0.015569 | 0.005846 | 0.021394 | 0.034255 | 0.002099 | 0.001828 | 0.004855 | 0.000709 | 0.000896 |

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

| Category | lb/day | | | | | | | | | | lb/day | | | | | |
|------------------------|-------------|--------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|----------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| NaturalGas Mitigated | 9.2400e-003 | 0.0790 | 0.0339 | 5.0000e-004 | 6.3800e-003 | 6.3800e-003 | 6.3800e-003 | 6.3800e-003 | 6.3800e-003 | 6.3800e-003 | 100.8063 | 100.8063 | 100.8063 | 1.9300e-003 | 1.8500e-003 | 101.4054 |
| NaturalGas Unmitigated | 9.2400e-003 | 0.0790 | 0.0339 | 5.0000e-004 | 6.3800e-003 | 6.3800e-003 | 6.3800e-003 | 6.3800e-003 | 6.3800e-003 | 6.3800e-003 | 100.8063 | 100.8063 | 100.8063 | 1.9300e-003 | 1.8500e-003 | 101.4054 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Summer

5.2 Energy by Land Use - Natural Gas

Unmitigated

| Land Use | Natural Gas Use kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | | |
|----------------------------|----------------------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|---------------|-------------|-------------|-----------------|-----------------|--------------------|--------------------|-----------------|-----------------|
| | | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio-CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e | |
| Enclosed Parking Structure | 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 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 0.0000 |
| Retirement Community | 850.563 | 9.1700e-003 | 0.0784 | 0.0334 | 5.0000e-004 | 6.3400e-003 | 6.3400e-003 | 6.3400e-003 | 6.3400e-003 | 6.3400e-003 | 6.3400e-003 | 6.3400e-003 | 100.0663 | 100.0663 | 1.9200e-003 | 1.8300e-003 | 100.6609 | 100.6609 |
| Strip Mall | 6.29041 | 7.0000e-005 | 6.2000e-004 | 5.2000e-004 | 0.0000 | 5.0000e-005 | 5.0000e-005 | 5.0000e-005 | 5.0000e-005 | 5.0000e-005 | 5.0000e-005 | 5.0000e-005 | 0.7401 | 0.7401 | 1.0000e-005 | 1.0000e-005 | 0.7445 | 0.7445 |
| Total | | 9.2400e-003 | 0.0790 | 0.0339 | 5.0000e-004 | | 6.3900e-003 | 6.3900e-003 | | | | | 100.8063 | 100.8063 | 1.9300e-003 | 1.8400e-003 | 101.4054 | 101.4054 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Summer

5.2 Energy by Land Use - Natural Gas

Mitigated

| Land Use | Natural Gas Use kBtu/yr | lb/day | | | | | | | | | | lb/day | | | | | | |
|----------------------------|----------------------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-----------------|-----------------|-----------------|--------------------|--------------------|-----------------|---------------|
| | | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio-CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e | |
| Enclosed Parking Structure | 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 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 0.0000 | 0.0000 | 0.0000 |
| Retirement Community | 0.850563 | 9.1700e-003 | 0.0784 | 0.0334 | 5.0000e-004 | 6.3400e-003 | 6.3400e-003 | 6.3400e-003 | 6.3400e-003 | 6.3400e-003 | 6.3400e-003 | 100.0663 | 100.0663 | 100.0663 | 1.9200e-003 | 1.8300e-003 | 100.6609 | 0.0000 |
| Strip Mall | 0.00629041 | 7.0000e-005 | 6.2000e-004 | 5.2000e-004 | 0.0000 | 5.0000e-005 | 5.0000e-005 | 5.0000e-005 | 5.0000e-005 | 5.0000e-005 | 5.0000e-005 | 0.7401 | 0.7401 | 0.7401 | 1.0000e-005 | 1.0000e-005 | 0.7445 | 0.0000 |
| Total | | 9.2400e-003 | 0.0790 | 0.0339 | 5.0000e-004 | 6.3900e-003 | 6.3900e-003 | 6.3900e-003 | 6.3900e-003 | 6.3900e-003 | 6.3900e-003 | 100.8063 | 100.8063 | 100.8063 | 1.9300e-003 | 1.8400e-003 | 101.4054 | 0.0000 |

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- No Hearths Installed

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Summer

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|--------|---------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|--------|----------|
| lb/day | | | | | | | | | | | | | | | | |
| Mitigated | 0.3311 | 0.0181 | 1.5720 | 8.0000e-005 | 8.6800e-003 | 8.6800e-003 | 8.6800e-003 | 8.6800e-003 | 8.6800e-003 | 8.6800e-003 | 0.0000 | 2.8285 | 2.8285 | 2.7400e-003 | 0.0000 | 2.8970 |
| Unmitigated | 5.3098 | 0.4123 | 11.2345 | 0.0247 | 1.4601 | 1.4601 | 1.4601 | 1.4601 | 1.4601 | 1.4601 | 177.9715 | 344.8285 | 522.8000 | 0.5335 | 0.0121 | 539.7368 |

6.2 Area by SubCategory

Unmitigated

| SubCategory | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|-----------------|-----------------|-----------------|---------------|---------------|-----------------|
| lb/day | | | | | | | | | | | | | | | | |
| Architectural Coating | 0.0241 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.2594 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Hearth | 4.9787 | 0.3942 | 9.6625 | 0.0247 | 1.4514 | 1.4514 | 1.4514 | 1.4514 | 1.4514 | 1.4514 | 177.9715 | 342.0000 | 519.9715 | 0.5308 | 0.0121 | 536.8398 |
| Landscaping | 0.0477 | 0.0181 | 1.5720 | 8.0000e-005 | 8.6800e-003 | 8.6800e-003 | 8.6800e-003 | 8.6800e-003 | 8.6800e-003 | 8.6800e-003 | 2.8285 | 2.8285 | 2.8285 | 2.7400e-003 | | 2.8970 |
| Total | 5.3098 | 0.4123 | 11.2345 | 0.0247 | | 1.4601 | 1.4601 | | 1.4601 | 1.4601 | 177.9715 | 344.8285 | 522.8000 | 0.5335 | 0.0121 | 539.7368 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Summer

6.2 Area by SubCategory

Mitigated

| SubCategory | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| lb/day | | | | | | | | | | | | | | | | |
| Architectural Coating | 0.0241 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.2594 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Hearth | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 0.0477 | 0.0181 | 1.5720 | 8.0000e-005 | | 8.6800e-003 | 8.6800e-003 | | 8.6800e-003 | 8.6800e-003 | | 2.8285 | 2.8285 | 2.7400e-003 | | 2.8970 |
| Total | 0.3311 | 0.0181 | 1.5720 | 8.0000e-005 | | 8.6800e-003 | 8.6800e-003 | | 8.6800e-003 | 8.6800e-003 | 0.0000 | 2.8285 | 2.8285 | 2.7400e-003 | 0.0000 | 2.8970 |

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Summer

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Annual

Golden Oaks - 6018 Norwalk Boulevard
 South Coast AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|----------------------------|-------|---------------|-------------|--------------------|------------|
| Strip Mall | 1.40 | 1000sqft | 0.03 | 1,400.00 | 0 |
| Retirement Community | 19.00 | Dwelling Unit | 0.21 | 11,515.00 | 42 |
| Parking Lot | 7.00 | Space | 0.06 | 2,800.00 | 0 |
| Enclosed Parking Structure | 16.00 | Space | 0.10 | 4,381.00 | 0 |
| Other Non-Asphalt Surfaces | 3.20 | 1000sqft | 0.07 | 3,200.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|--------------|-------|------------------|-----|---------------------------|------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 31 |
| Climate Zone | 9 | | | Operational Year | 2022 |

Utility Company Southern California Edison

| | | | | | |
|--------------------------|--------|--------------------------|-------|--------------------------|-------|
| CO2 Intensity (lb/MW/hr) | 702.44 | CH4 Intensity (lb/MW/hr) | 0.029 | N2O Intensity (lb/MW/hr) | 0.006 |
|--------------------------|--------|--------------------------|-------|--------------------------|-------|

1.3 User Entered Comments & Non-Default Data

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Annual

Project Characteristics -

Land Use - Per Applicant

Demolition -

Construction Phase - Per Applicant

Woodstoves - Per Applicant

Construction Off-road Equipment Mitigation -

Area Mitigation -

Water Mitigation -

| Table Name | Column Name | Default Value | New Value |
|-------------------|----------------------------|---------------|-----------|
| tblAreaMitigation | UseLowVOCPaintParkingCheck | False | True |
| tblLandUse | LandUseSquareFeet | 19,000.00 | 11,515.00 |
| tblLandUse | LandUseSquareFeet | 6,400.00 | 4,381.00 |
| tblLandUse | LotAcreage | 3.80 | 0.21 |
| tblLandUse | LotAcreage | 0.14 | 0.10 |
| tblLandUse | Population | 54.00 | 42.00 |

2.0 Emissions Summary

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Annual

| Quarter | Start Date | End Date | Maximum Unmitigated ROG + NOX (tons/quarter) | Maximum Mitigated ROG + NOX (tons/quarter) |
|---------|------------|-----------|----------------------------------------------|--------------------------------------------|
| 1 | 3-1-2021 | 5-31-2021 | 0.3016 | 0.3016 |
| 2 | 6-1-2021 | 8-31-2021 | 0.2828 | 0.2828 |
| | | Highest | 0.3016 | 0.3016 |

**2.2 Overall Operational
Unmitigated Operational**

| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|--------------------|-----------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| Area | 0.1199 | 7.1900e-003 | 0.3173 | 3.2000e-004 | 0.0192 | 0.0192 | 0.0192 | 0.0192 | 0.0192 | 0.0192 | 2.0182 | 4.1990 | 6.2171 | 6.3300e-003 | 1.4000e-004 | 6.4162 |
| Energy | 1.6900e-003 | 0.0144 | 6.1800e-003 | 9.0000e-005 | 1.1700e-003 | 1.1700e-003 | 1.1700e-003 | 1.1700e-003 | 1.1700e-003 | 1.1700e-003 | 0.0000 | 57.7637 | 57.7637 | 2.0200e-003 | 6.6000e-004 | 58.0098 |
| Mobile | 0.0262 | 0.1443 | 0.3193 | 1.1800e-003 | 0.0974 | 9.5000e-004 | 0.0983 | 0.0261 | 8.8000e-004 | 0.0270 | 0.0000 | 109.3993 | 109.3993 | 5.4300e-003 | 0.0000 | 109.5351 |
| Waste | | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 2.0725 | 0.0000 | 2.0725 | 0.1225 | 0.0000 | 5.1346 |
| Water | | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.4256 | 8.5537 | 8.9794 | 0.0441 | 1.1100e-003 | 10.4105 |
| Total | 0.1479 | 0.1659 | 0.6427 | 1.5900e-003 | 0.0974 | 0.0214 | 0.1187 | 0.0261 | 0.0213 | 0.0474 | 4.5163 | 179.9156 | 184.4320 | 0.1803 | 1.9100e-003 | 189.5062 |

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Annual

2.2 Overall Operational

Mitigated Operational

| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|-----------------|-----------------|---------------|--------------------|-----------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| Area | 0.0577 | 2.2700e-003 | 0.1965 | 1.0000e-005 | 1.0900e-003 | 1.0900e-003 | 1.0900e-003 | 1.0900e-003 | 1.0900e-003 | 1.0900e-003 | 0.0000 | 0.3208 | 0.3208 | 3.1000e-004 | 0.0000 | 0.3285 |
| Energy | 1.6900e-003 | 0.0144 | 6.1800e-003 | 9.0000e-005 | 1.1700e-003 | 1.1700e-003 | 1.1700e-003 | 1.1700e-003 | 1.1700e-003 | 1.1700e-003 | 0.0000 | 57.7637 | 57.7637 | 2.0200e-003 | 6.6000e-004 | 58.0098 |
| Mobile | 0.0262 | 0.1443 | 0.3193 | 1.1800e-003 | 0.0974 | 9.5000e-004 | 0.0983 | 0.0261 | 8.8000e-004 | 0.0270 | 0.0000 | 109.3993 | 109.3993 | 5.4300e-003 | 0.0000 | 109.5351 |
| Waste | | | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 2.0725 | 0.0000 | 2.0725 | 0.1225 | 0.0000 | 5.1346 |
| Water | | | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.3405 | 7.4405 | 7.7810 | 0.0353 | 8.9000e-004 | 8.9281 |
| Total | 0.0856 | 0.1610 | 0.5219 | 1.2800e-003 | 0.0974 | 3.2100e-003 | 0.1006 | 0.0261 | 3.1400e-003 | 0.0292 | 2.4131 | 174.9242 | 177.3372 | 0.1655 | 1.5500e-003 | 181.9361 |

| Percent Reduction | tons/yr | | | | | | | | | | MT/yr | | | | | |
|-------------------|---------|------|-------|-------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|------|-------|------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| 42.09 | | 2.96 | 18.79 | 19.50 | 0.00 | 84.96 | 15.28 | 0.00 | 85.24 | 38.29 | 46.57 | 2.77 | 3.85 | 8.21 | 18.85 | 3.99 |

3.0 Construction Detail

Construction Phase

Golden Oaks - 6018 Norwalk Boulevard - South Coast AQMD Air District, Annual

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|-----------|---------------|----------|-------------------|
| 1 | Demolition | Demolition | 3/1/2021 | 3/12/2021 | 5 | 10 | |
| 2 | Site Preparation | Site Preparation | 3/13/2021 | 3/15/2021 | 5 | 1 | |
| 3 | Grading | Grading | 3/16/2021 | 3/17/2021 | 5 | 2 | |
| 4 | Building Construction | Building Construction | 3/18/2021 | 8/4/2021 | 5 | 100 | |
| 5 | Paving | Paving | 8/5/2021 | 8/11/2021 | 5 | 5 | |
| 6 | Architectural Coating | Architectural Coating | 8/12/2021 | 8/18/2021 | 5 | 5 | |

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.23

Residential Indoor: 23,318; Residential Outdoor: 7,773; Non-Residential Indoor: 2,100; Non-Residential Outdoor: 700; Striped Parking Area: 623 (Architectural Coating – sqft)

OffRoad Equipment

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| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |
| Paving | Cement and Mortar Mixers | 4 | 6.00 | 9 | 0.56 |
| Demolition | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Grading | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Building Construction | Cranes | 1 | 4.00 | 231 | 0.29 |
| Building Construction | Forklifts | 2 | 6.00 | 89 | 0.20 |
| Site Preparation | Graders | 1 | 8.00 | 187 | 0.41 |
| Paving | Pavers | 1 | 7.00 | 130 | 0.42 |
| Paving | Rollers | 1 | 7.00 | 80 | 0.38 |
| Demolition | Rubber Tired Dozers | 1 | 1.00 | 247 | 0.40 |
| Grading | Rubber Tired Dozers | 1 | 1.00 | 247 | 0.40 |
| Building Construction | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Demolition | Tractors/Loaders/Backhoes | 2 | 6.00 | 97 | 0.37 |
| Grading | Tractors/Loaders/Backhoes | 2 | 6.00 | 97 | 0.37 |
| Paving | Tractors/Loaders/Backhoes | 1 | 7.00 | 97 | 0.37 |
| Site Preparation | 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 |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Demolition | 4 | 10.00 | 0.00 | 29.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 2 | 5.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 4 | 10.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 5 | 18.00 | 4.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 7 | 18.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 4.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |

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3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2021

Unmitigated Construction On-Site

| Category | tons/yr | | | | | | | | | | | MT/yr | | | | |
|---------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| Fugitive Dust | | | | | 3.1100e-003 | 0.0000 | 3.1100e-003 | 4.7000e-004 | 0.0000 | 4.7000e-004 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 3.9800e-003 | 0.0363 | 0.0379 | 6.0000e-005 | 2.0400e-003 | 2.0400e-003 | 2.0400e-003 | 1.9400e-003 | 0.0000 | 1.9400e-003 | 0.0000 | 5.2047 | 5.2047 | 9.7000e-004 | 0.0000 | 5.2289 |
| Total | 3.9800e-003 | 0.0363 | 0.0379 | 6.0000e-005 | 3.1100e-003 | 2.0400e-003 | 5.1500e-003 | 4.7000e-004 | 1.9400e-003 | 2.4100e-003 | 0.0000 | 5.2047 | 5.2047 | 9.7000e-004 | 0.0000 | 5.2289 |

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3.2 Demolition - 2021

Unmitigated Construction Off-Site

| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| Hauling | 1.1000e-004 | 3.7800e-003 | 8.0000e-004 | 1.0000e-005 | 2.5000e-004 | 1.0000e-005 | 2.6000e-004 | 7.0000e-005 | 1.0000e-005 | 8.0000e-005 | 0.0000 | 1.0827 | 1.0827 | 7.0000e-005 | 0.0000 | 1.0846 |
| 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 | 2.1000e-004 | 1.5000e-004 | 1.7400e-003 | 1.0000e-005 | 5.5000e-004 | 0.0000 | 5.5000e-004 | 1.5000e-004 | 0.0000 | 1.5000e-004 | 0.0000 | 0.4778 | 0.4778 | 1.0000e-005 | 0.0000 | 0.4782 |
| Total | 3.2000e-004 | 3.9300e-003 | 2.5400e-003 | 2.0000e-005 | 8.0000e-004 | 1.0000e-005 | 8.1000e-004 | 2.2000e-004 | 1.0000e-005 | 2.3000e-004 | 0.0000 | 1.5605 | 1.5605 | 8.0000e-005 | 0.0000 | 1.5627 |

Mitigated Construction On-Site

| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
|---------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| Fugitive Dust | | | | | 1.2100e-003 | 0.0000 | 1.2100e-003 | 1.8000e-004 | 0.0000 | 1.8000e-004 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 3.9800e-003 | 0.0363 | 0.0379 | 6.0000e-005 | 2.0400e-003 | 2.0400e-003 | 2.0400e-003 | 1.9400e-003 | 1.9400e-003 | 1.9400e-003 | 0.0000 | 5.2047 | 5.2047 | 9.7000e-004 | 0.0000 | 5.2289 |
| Total | 3.9800e-003 | 0.0363 | 0.0379 | 6.0000e-005 | 1.2100e-003 | 2.0400e-003 | 3.2500e-003 | 1.8000e-004 | 1.9400e-003 | 2.1200e-003 | 0.0000 | 5.2047 | 5.2047 | 9.7000e-004 | 0.0000 | 5.2289 |

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3.2 Demolition - 2021

Mitigated Construction Off-Site

| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| Hauling | 1.1000e-004 | 3.7800e-003 | 8.0000e-004 | 1.0000e-005 | 2.5000e-004 | 1.0000e-005 | 2.6000e-004 | 7.0000e-005 | 1.0000e-005 | 8.0000e-005 | 0.0000 | 1.0827 | 1.0827 | 7.0000e-005 | 0.0000 | 1.0846 |
| 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 | 2.1000e-004 | 1.5000e-004 | 1.7400e-003 | 1.0000e-005 | 5.5000e-004 | 0.0000 | 5.5000e-004 | 1.5000e-004 | 0.0000 | 1.5000e-004 | 0.0000 | 0.4778 | 0.4778 | 1.0000e-005 | 0.0000 | 0.4782 |
| Total | 3.2000e-004 | 3.9300e-003 | 2.5400e-003 | 2.0000e-005 | 8.0000e-004 | 1.0000e-005 | 8.1000e-004 | 2.2000e-004 | 1.0000e-005 | 2.3000e-004 | 0.0000 | 1.5605 | 1.5605 | 8.0000e-005 | 0.0000 | 1.5627 |

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
|---------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| Fugitive Dust | | | | | 2.7000e-004 | 0.0000 | 2.7000e-004 | 3.0000e-005 | 0.0000 | 3.0000e-005 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 3.2000e-004 | 3.9100e-003 | 2.0100e-003 | 0.0000 | 1.5000e-004 | 1.5000e-004 | 1.5000e-004 | 1.4000e-004 | 1.4000e-004 | 1.4000e-004 | 0.0000 | 0.4276 | 0.4276 | 1.4000e-004 | 0.0000 | 0.4310 |
| Total | 3.2000e-004 | 3.9100e-003 | 2.0100e-003 | 0.0000 | 2.7000e-004 | 1.5000e-004 | 4.2000e-004 | 3.0000e-005 | 1.4000e-004 | 1.7000e-004 | 0.0000 | 0.4276 | 0.4276 | 1.4000e-004 | 0.0000 | 0.4310 |

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3.3 Site Preparation - 2021
Unmitigated Construction Off-Site

| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 1.0000e-005 | 1.0000e-005 | 9.0000e-005 | 0.0000 | 3.0000e-005 | 0.0000 | 3.0000e-005 | 1.0000e-005 | 0.0000 | 1.0000e-005 | 0.0000 | 0.0239 | 0.0239 | 0.0000 | 0.0000 | 0.0239 |
| Total | 1.0000e-005 | 1.0000e-005 | 9.0000e-005 | 0.0000 | 3.0000e-005 | 0.0000 | 3.0000e-005 | 1.0000e-005 | 0.0000 | 1.0000e-005 | 0.0000 | 0.0239 | 0.0239 | 0.0000 | 0.0000 | 0.0239 |

Mitigated Construction On-Site

| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
|---------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| Fugitive Dust | | | | | 1.0000e-004 | 0.0000 | 1.0000e-004 | 1.0000e-005 | 0.0000 | 1.0000e-005 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 3.2000e-004 | 3.9100e-003 | 2.0100e-003 | 0.0000 | 1.5000e-004 | 1.5000e-004 | 1.5000e-004 | 1.4000e-004 | 1.4000e-004 | 1.4000e-004 | 0.0000 | 0.4276 | 0.4276 | 1.4000e-004 | 0.0000 | 0.4310 |
| Total | 3.2000e-004 | 3.9100e-003 | 2.0100e-003 | 0.0000 | 1.0000e-004 | 1.5000e-004 | 2.5000e-004 | 1.0000e-005 | 1.4000e-004 | 1.5000e-004 | 0.0000 | 0.4276 | 0.4276 | 1.4000e-004 | 0.0000 | 0.4310 |

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3.3 Site Preparation - 2021
Mitigated Construction Off-Site

| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 1.0000e-005 | 1.0000e-005 | 9.0000e-005 | 0.0000 | 3.0000e-005 | 0.0000 | 3.0000e-005 | 1.0000e-005 | 0.0000 | 1.0000e-005 | 0.0000 | 0.0239 | 0.0239 | 0.0000 | 0.0000 | 0.0239 |
| Total | 1.0000e-005 | 1.0000e-005 | 9.0000e-005 | 0.0000 | 3.0000e-005 | 0.0000 | 3.0000e-005 | 1.0000e-005 | 0.0000 | 1.0000e-005 | 0.0000 | 0.0239 | 0.0239 | 0.0000 | 0.0000 | 0.0239 |

3.4 Grading - 2021
Unmitigated Construction On-Site

| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| Fugitive Dust | | | | | 7.5000e-004 | 0.0000 | 7.5000e-004 | 4.1000e-004 | 0.0000 | 4.1000e-004 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 8.0000e-004 | 7.2500e-003 | 7.5700e-003 | 1.0000e-005 | 4.1000e-004 | 4.1000e-004 | 4.1000e-004 | 3.9000e-004 | 3.9000e-004 | 3.9000e-004 | 0.0000 | 1.0409 | 1.0409 | 1.9000e-004 | 0.0000 | 1.0458 |
| Total | 8.0000e-004 | 7.2500e-003 | 7.5700e-003 | 1.0000e-005 | 7.5000e-004 | 4.1000e-004 | 1.1600e-003 | 4.1000e-004 | 3.9000e-004 | 8.0000e-004 | 0.0000 | 1.0409 | 1.0409 | 1.9000e-004 | 0.0000 | 1.0458 |

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3.4 Grading - 2021

Unmitigated Construction Off-Site

| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| 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 | 4.0000e-005 | 3.0000e-005 | 3.5000e-004 | 0.0000 | 1.1000e-004 | 0.0000 | 1.1000e-004 | 3.0000e-005 | 0.0000 | 3.0000e-005 | 0.0000 | 0.0956 | 0.0956 | 0.0000 | 0.0000 | 0.0956 |
| Total | 4.0000e-005 | 3.0000e-005 | 3.5000e-004 | 0.0000 | 1.1000e-004 | 0.0000 | 1.1000e-004 | 3.0000e-005 | 0.0000 | 3.0000e-005 | 0.0000 | 0.0956 | 0.0956 | 0.0000 | 0.0000 | 0.0956 |

Mitigated Construction On-Site

| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| Fugitive Dust | | | | | 2.9000e-004 | 0.0000 | 2.9000e-004 | 1.6000e-004 | 0.0000 | 1.6000e-004 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 8.0000e-004 | 7.2500e-003 | 7.5700e-003 | 1.0000e-005 | 4.1000e-004 | 4.1000e-004 | 4.1000e-004 | 3.9000e-004 | 0.0000 | 3.9000e-004 | 0.0000 | 1.0409 | 1.0409 | 1.9000e-004 | 0.0000 | 1.0458 |
| Total | 8.0000e-004 | 7.2500e-003 | 7.5700e-003 | 1.0000e-005 | 2.9000e-004 | 4.1000e-004 | 7.0000e-004 | 1.6000e-004 | 3.9000e-004 | 5.5000e-004 | 0.0000 | 1.0409 | 1.0409 | 1.9000e-004 | 0.0000 | 1.0458 |

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3.4 Grading - 2021

Mitigated Construction Off-Site

| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| 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 | 4.0000e-005 | 3.0000e-005 | 3.5000e-004 | 0.0000 | 1.1000e-004 | 0.0000 | 1.1000e-004 | 3.0000e-005 | 0.0000 | 3.0000e-005 | 0.0000 | 0.0956 | 0.0956 | 0.0000 | 0.0000 | 0.0956 |
| Total | 4.0000e-005 | 3.0000e-005 | 3.5000e-004 | 0.0000 | 1.1000e-004 | 0.0000 | 1.1000e-004 | 3.0000e-005 | 0.0000 | 3.0000e-005 | 0.0000 | 0.0956 | 0.0956 | 0.0000 | 0.0000 | 0.0956 |

3.5 Building Construction - 2021

Unmitigated Construction On-Site

| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| Off-Road | 0.0388 | 0.3993 | 0.3632 | 5.7000e-004 | | 0.0224 | 0.0224 | | 0.0206 | 0.0206 | 0.0000 | 50.0410 | 50.0410 | 0.0162 | 0.0000 | 50.4456 |
| Total | 0.0388 | 0.3993 | 0.3632 | 5.7000e-004 | | 0.0224 | 0.0224 | | 0.0206 | 0.0206 | 0.0000 | 50.0410 | 50.0410 | 0.0162 | 0.0000 | 50.4456 |

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3.5 Building Construction - 2021
Unmitigated Construction Off-Site

| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
|--------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| 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 | 5.7000e-004 | 0.0194 | 4.8000e-003 | 5.0000e-005 | 1.2600e-003 | 4.0000e-005 | 1.3000e-003 | 3.6000e-004 | 4.0000e-005 | 4.0000e-004 | 0.0000 | 4.8829 | 4.8829 | 3.1000e-004 | 0.0000 | 4.8907 |
| Worker | 3.7500e-003 | 2.7700e-003 | 0.0314 | 1.0000e-004 | 9.8700e-003 | 7.0000e-005 | 9.9500e-003 | 2.6200e-003 | 7.0000e-005 | 2.6900e-003 | 0.0000 | 8.6009 | 8.6009 | 2.3000e-004 | 0.0000 | 8.6067 |
| Total | 4.3200e-003 | 0.0221 | 0.0362 | 1.5000e-004 | 0.0111 | 1.1000e-004 | 0.0113 | 2.9800e-003 | 1.1000e-004 | 3.0900e-003 | 0.0000 | 13.4839 | 13.4839 | 5.4000e-004 | 0.0000 | 13.4974 |

Mitigated Construction On-Site

| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| Off-Road | 0.0388 | 0.3993 | 0.3632 | 5.7000e-004 | | 0.0224 | 0.0224 | | 0.0206 | 0.0206 | 0.0000 | 50.0410 | 50.0410 | 0.0162 | 0.0000 | 50.4456 |
| Total | 0.0388 | 0.3993 | 0.3632 | 5.7000e-004 | | 0.0224 | 0.0224 | | 0.0206 | 0.0206 | 0.0000 | 50.0410 | 50.0410 | 0.0162 | 0.0000 | 50.4456 |

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3.5 Building Construction - 2021

Mitigated Construction Off-Site

| Category | tons/yr | | | | | | | | | | MT/yr | | | | | | |
|--------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|---------------|----------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
| 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 | 0.0000 |
| Vendor | 5.7000e-004 | 0.0194 | 4.8000e-003 | 5.0000e-005 | 1.2600e-003 | 4.0000e-005 | 1.3000e-003 | 3.6000e-004 | 4.0000e-005 | 4.0000e-004 | 0.0000 | 4.8829 | 4.8829 | 3.1000e-004 | 0.0000 | 0.0000 | 4.8907 |
| Worker | 3.7500e-003 | 2.7700e-003 | 0.0314 | 1.0000e-004 | 9.8700e-003 | 7.0000e-005 | 9.9500e-003 | 2.6200e-003 | 7.0000e-005 | 2.6900e-003 | 0.0000 | 8.6009 | 8.6009 | 2.3000e-004 | 0.0000 | 0.0000 | 8.6067 |
| Total | 4.3200e-003 | 0.0221 | 0.0362 | 1.5000e-004 | 0.0111 | 1.1000e-004 | 0.0113 | 2.9800e-003 | 1.1000e-004 | 3.0900e-003 | 0.0000 | 13.4839 | 13.4839 | 5.4000e-004 | 0.0000 | 0.0000 | 13.4974 |

3.6 Paving - 2021

Unmitigated Construction On-Site

| Category | tons/yr | | | | | | | | | | MT/yr | | | | | | |
|--------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
| Off-Road | 1.8000e-003 | 0.0168 | 0.0177 | 3.0000e-005 | 8.8000e-004 | 8.8000e-004 | 8.8000e-004 | 8.2000e-004 | 8.2000e-004 | 8.2000e-004 | 0.0000 | 2.3481 | 2.3481 | 6.8000e-004 | 0.0000 | 0.0000 | 2.3652 |
| Paving | 8.0000e-005 | | | | 0.0000 | 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 | 1.8800e-003 | 0.0168 | 0.0177 | 3.0000e-005 | 8.8000e-004 | 8.8000e-004 | 8.8000e-004 | 8.2000e-004 | 8.2000e-004 | 8.2000e-004 | 0.0000 | 2.3481 | 2.3481 | 6.8000e-004 | 0.0000 | 0.0000 | 2.3652 |

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3.6 Paving - 2021

Unmitigated Construction Off-Site

| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| 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 | 1.9000e-004 | 1.4000e-004 | 1.5700e-003 | 0.0000 | 4.9000e-004 | 0.0000 | 5.0000e-004 | 1.3000e-004 | 0.0000 | 1.3000e-004 | 0.0000 | 0.4301 | 0.4301 | 1.0000e-005 | 0.0000 | 0.4303 |
| Total | 1.9000e-004 | 1.4000e-004 | 1.5700e-003 | 0.0000 | 4.9000e-004 | 0.0000 | 5.0000e-004 | 1.3000e-004 | 0.0000 | 1.3000e-004 | 0.0000 | 0.4301 | 0.4301 | 1.0000e-005 | 0.0000 | 0.4303 |

Mitigated Construction On-Site

| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
|--------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| Off-Road | 1.8000e-003 | 0.0168 | 0.0177 | 3.0000e-005 | 8.8000e-004 | 8.8000e-004 | 8.8000e-004 | 8.2000e-004 | 8.2000e-004 | 8.2000e-004 | 0.0000 | 2.3481 | 2.3481 | 6.8000e-004 | 0.0000 | 2.3652 |
| Paving | 8.0000e-005 | | | | 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 | 1.8800e-003 | 0.0168 | 0.0177 | 3.0000e-005 | 8.8000e-004 | 8.8000e-004 | 8.8000e-004 | 8.2000e-004 | 8.2000e-004 | 8.2000e-004 | 0.0000 | 2.3481 | 2.3481 | 6.8000e-004 | 0.0000 | 2.3652 |

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3.6 Paving - 2021

Mitigated Construction Off-Site

| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| 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 | 1.9000e-004 | 1.4000e-004 | 1.5700e-003 | 0.0000 | 4.9000e-004 | 0.0000 | 5.0000e-004 | 1.3000e-004 | 0.0000 | 1.3000e-004 | 0.0000 | 0.4301 | 0.4301 | 1.0000e-005 | 0.0000 | 0.4303 |
| Total | 1.9000e-004 | 1.4000e-004 | 1.5700e-003 | 0.0000 | 4.9000e-004 | 0.0000 | 5.0000e-004 | 1.3000e-004 | 0.0000 | 1.3000e-004 | 0.0000 | 0.4301 | 0.4301 | 1.0000e-005 | 0.0000 | 0.4303 |

3.7 Architectural Coating - 2021

Unmitigated Construction On-Site

| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
|-----------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| Archit. Coating | 0.0440 | | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 5.5000e-004 | 3.8200e-003 | 4.5400e-003 | 1.0000e-005 | 2.4000e-004 | 2.4000e-004 | 2.4000e-004 | 2.4000e-004 | 2.4000e-004 | 2.4000e-004 | 0.0000 | 0.6383 | 0.6383 | 4.0000e-005 | 0.0000 | 0.6394 |
| Total | 0.0445 | 3.8200e-003 | 4.5400e-003 | 1.0000e-005 | 2.4000e-004 | 2.4000e-004 | 2.4000e-004 | 2.4000e-004 | 2.4000e-004 | 2.4000e-004 | 0.0000 | 0.6383 | 0.6383 | 4.0000e-005 | 0.0000 | 0.6394 |

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3.7 Architectural Coating - 2021
Unmitigated Construction Off-Site

| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| 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 | 4.0000e-005 | 3.0000e-005 | 3.5000e-004 | 0.0000 | 1.1000e-004 | 0.0000 | 1.1000e-004 | 3.0000e-005 | 0.0000 | 3.0000e-005 | 0.0000 | 0.0956 | 0.0956 | 0.0000 | 0.0000 | 0.0956 |
| Total | 4.0000e-005 | 3.0000e-005 | 3.5000e-004 | 0.0000 | 1.1000e-004 | 0.0000 | 1.1000e-004 | 3.0000e-005 | 0.0000 | 3.0000e-005 | 0.0000 | 0.0956 | 0.0956 | 0.0000 | 0.0000 | 0.0956 |

Mitigated Construction On-Site

| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
|-----------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| Archit. Coating | 0.0440 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 5.5000e-004 | 3.8200e-003 | 4.5400e-003 | 1.0000e-005 | 2.4000e-004 | 2.4000e-004 | 2.4000e-004 | 2.4000e-004 | 2.4000e-004 | 2.4000e-004 | 0.0000 | 0.6383 | 0.6383 | 4.0000e-005 | 0.0000 | 0.6394 |
| Total | 0.0445 | 3.8200e-003 | 4.5400e-003 | 1.0000e-005 | 2.4000e-004 | 2.4000e-004 | 2.4000e-004 | 2.4000e-004 | 2.4000e-004 | 2.4000e-004 | 0.0000 | 0.6383 | 0.6383 | 4.0000e-005 | 0.0000 | 0.6394 |

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3.7 Architectural Coating - 2021

Mitigated Construction Off-Site

| Category | tons/yr | | | | | | | | | | MT/yr | | | | | | |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
| 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 | 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 | 0.0000 |
| Worker | 4.0000e-005 | 3.0000e-005 | 3.5000e-004 | 0.0000 | 1.1000e-004 | 0.0000 | 1.1000e-004 | 3.0000e-005 | 0.0000 | 3.0000e-005 | 0.0000 | 0.0956 | 0.0956 | 0.0000 | 0.0000 | 0.0000 | 0.0956 |
| Total | 4.0000e-005 | 3.0000e-005 | 3.5000e-004 | 0.0000 | 1.1000e-004 | 0.0000 | 1.1000e-004 | 3.0000e-005 | 0.0000 | 3.0000e-005 | 0.0000 | 0.0956 | 0.0956 | 0.0000 | 0.0000 | 0.0000 | 0.0956 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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| Category | tons/yr | | | | | | | | | | | | | MT/yr | | | | CO2e |
|-------------|---------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|--------|----------|--|------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | | | |
| Mitigated | 0.0262 | 0.1443 | 0.3193 | 1.1800e-003 | 0.0974 | 9.5000e-004 | 0.0983 | 0.0261 | 8.8000e-004 | 0.0270 | 0.0000 | 109.3993 | 109.3993 | 5.4300e-003 | 0.0000 | 109.5351 | | |
| Unmitigated | 0.0262 | 0.1443 | 0.3193 | 1.1800e-003 | 0.0974 | 9.5000e-004 | 0.0983 | 0.0261 | 8.8000e-004 | 0.0270 | 0.0000 | 109.3993 | 109.3993 | 5.4300e-003 | 0.0000 | 109.5351 | | |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | | Mitigated | |
|----------------------------|-------------------------|----------|--------|-------------|------------|-----------|--|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT | | |
| Enclosed Parking Structure | 0.00 | 0.00 | 0.00 | | | | |
| Other Non-Asphalt Surfaces | 0.00 | 0.00 | 0.00 | | | | |
| Parking Lot | 0.00 | 0.00 | 0.00 | | | | |
| Retirement Community | 45.60 | 38.57 | 37.05 | 148,217 | 148,217 | | |
| Strip Mall | 62.05 | 58.86 | 28.60 | 108,094 | 108,094 | | |
| Total | 107.65 | 97.43 | 65.65 | 256,311 | 256,311 | | |

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 |
| Enclosed Parking Structure | 16.60 | 8.40 | 6.90 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Other Non-Asphalt Surfaces | 16.60 | 8.40 | 6.90 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Parking Lot | 16.60 | 8.40 | 6.90 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Retirement Community | 14.70 | 5.90 | 8.70 | 40.20 | 19.20 | 40.60 | 86 | 11 | 3 |
| Strip Mall | 16.60 | 8.40 | 6.90 | 16.60 | 64.40 | 19.00 | 45 | 40 | 15 |

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4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Enclosed Parking Structure | 0.549559 | 0.042893 | 0.201564 | 0.118533 | 0.015569 | 0.005846 | 0.021394 | 0.034255 | 0.002099 | 0.001828 | 0.004855 | 0.000709 | 0.000896 |
| Other Non-Asphalt Surfaces | 0.549559 | 0.042893 | 0.201564 | 0.118533 | 0.015569 | 0.005846 | 0.021394 | 0.034255 | 0.002099 | 0.001828 | 0.004855 | 0.000709 | 0.000896 |
| Parking Lot | 0.549559 | 0.042893 | 0.201564 | 0.118533 | 0.015569 | 0.005846 | 0.021394 | 0.034255 | 0.002099 | 0.001828 | 0.004855 | 0.000709 | 0.000896 |
| Retirement Community | 0.549559 | 0.042893 | 0.201564 | 0.118533 | 0.015569 | 0.005846 | 0.021394 | 0.034255 | 0.002099 | 0.001828 | 0.004855 | 0.000709 | 0.000896 |
| Strip Mall | 0.549559 | 0.042893 | 0.201564 | 0.118533 | 0.015569 | 0.005846 | 0.021394 | 0.034255 | 0.002099 | 0.001828 | 0.004855 | 0.000709 | 0.000896 |

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 | 0.0000 | 0.0000 | 41.0740 | 41.0740 | 1.7000e-003 | 3.5000e-004 | | 41.2210 |
| Electricity Unmitigated | | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 41.0740 | 41.0740 | 1.7000e-003 | 3.5000e-004 | | 41.2210 |
| NaturalGas Mitigated | 1.6900e-003 | 0.0144 | 6.1800e-003 | 9.0000e-005 | 1.1700e-003 | 1.1700e-003 | 1.1700e-003 | 1.1700e-003 | 1.1700e-003 | 1.1700e-003 | 0.0000 | 16.6896 | 16.6896 | 3.2000e-004 | 3.1000e-004 | | 16.7888 |
| NaturalGas Unmitigated | 1.6900e-003 | 0.0144 | 6.1800e-003 | 9.0000e-005 | 1.1700e-003 | 1.1700e-003 | 1.1700e-003 | 1.1700e-003 | 1.1700e-003 | 1.1700e-003 | 0.0000 | 16.6896 | 16.6896 | 3.2000e-004 | 3.1000e-004 | | 16.7888 |

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5.2 Energy by Land Use - Natural Gas

Unmitigated

| Land Use | Natural Gas Use kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | | |
|----------------------------|----------------------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|----------------|----------------|
| | | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio-CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e | |
| Enclosed Parking Structure | 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 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 0.0000 |
| Retirement Community | 310456 | 1.6700e-003 | 0.0143 | 6.0900e-003 | 9.0000e-005 | 1.1600e-003 | 1.1600e-003 | 1.1600e-003 | 1.1600e-003 | 1.1600e-003 | 1.1600e-003 | 1.1600e-003 | 1.1600e-003 | 1.1600e-003 | 3.2000e-004 | 3.0000e-004 | 16.6655 | 0.0000 |
| Strip Mall | 2296 | 1.0000e-005 | 1.1000e-004 | 9.0000e-005 | 0.0000 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 0.1225 | 0.0000 | 0.0000 | 0.1233 | 0.0000 |
| Total | | 1.6800e-003 | 0.0144 | 6.1800e-003 | 9.0000e-005 | | 1.1700e-003 | 1.1700e-003 | | 1.1700e-003 | 1.1700e-003 | 1.1700e-003 | 1.1700e-003 | 1.1700e-003 | 3.2000e-004 | 3.0000e-004 | 16.6896 | 16.7888 |

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5.2 Energy by Land Use - Natural Gas

Mitigated

| Land Use | Natural Gas Use kBtu/yr | tons/yr | | | | | | | | | | MT/yr | | | | | | |
|----------------------------|----------------------------|--------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|----------------|
| | | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio-CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e | |
| Enclosed Parking Structure | 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 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 0.0000 | 0.0000 | 0.0000 |
| Retirement Community | 310456 | 1.6700e-003 | 0.0143 | 6.0900e-003 | 9.0000e-005 | 1.1600e-003 | 1.1600e-003 | 1.1600e-003 | 1.1600e-003 | 1.1600e-003 | 1.1600e-003 | 1.1600e-003 | 1.1600e-003 | 1.1600e-003 | 3.2000e-004 | 3.2000e-004 | 3.0000e-004 | 16.6655 |
| Strip Mall | 2296 | 1.0000e-005 | 1.1000e-004 | 9.0000e-005 | 0.0000 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 1.0000e-005 | 0.1225 | 0.1225 | 0.0000 | 0.0000 | 0.0000 | 0.1233 |
| Total | | 1.6800e-003 | 0.0144 | 6.1800e-003 | 9.0000e-005 | 1.1700e-003 | 1.1700e-003 | 1.1700e-003 | 1.1700e-003 | 1.1700e-003 | 1.1700e-003 | 1.1700e-003 | 1.1700e-003 | 1.1700e-003 | 3.2000e-004 | 3.2000e-004 | 3.0000e-004 | 16.7888 |

5.3 Energy by Land Use - Electricity

Unmitigated

| Land Use | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|-----------------|----------------|--------------------|--------------------|----------------|
| | kWh/yr | MT/yr | | | |
| Enclosed Parking Structure | 24840.3 | 7.9146 | 3.3000e-004 | 7.0000e-005 | 7.9430 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 980 | 0.3123 | 1.0000e-005 | 0.0000 | 0.3134 |
| Retirement Community | 84191.5 | 26.8252 | 1.1100e-003 | 2.3000e-004 | 26.9212 |
| Strip Mall | 18900 | 6.0219 | 2.5000e-004 | 5.0000e-005 | 6.0435 |
| Total | | 41.0740 | 1.7000e-003 | 3.5000e-004 | 41.2210 |

5.3 Energy by Land Use - Electricity

Mitigated

| Land Use | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|-----------------|----------------|--------------------|--------------------|----------------|
| | kWh/yr | MT/yr | | | |
| Enclosed Parking Structure | 24840.3 | 7.9146 | 3.3000e-004 | 7.0000e-005 | 7.9430 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 980 | 0.3123 | 1.0000e-005 | 0.0000 | 0.3134 |
| Retirement Community | 84191.5 | 26.8252 | 1.1100e-003 | 2.3000e-004 | 26.9212 |
| Strip Mall | 18900 | 6.0219 | 2.5000e-004 | 5.0000e-005 | 6.0435 |
| Total | | 41.0740 | 1.7000e-003 | 3.5000e-004 | 41.2210 |

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- No Hearths Installed

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| 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 | | | | | | | | | | | | | | | | |
| Mitigated | 0.0577 | 2.2700e-003 | 0.1965 | 1.0000e-005 | 1.0900e-003 | 1.0900e-003 | 1.0900e-003 | 1.0900e-003 | 1.0900e-003 | 1.0900e-003 | 0.0000 | 0.3208 | 0.3208 | 3.1000e-004 | 0.0000 | 0.3285 |
| Unmitigated | 0.1199 | 7.1900e-003 | 0.3173 | 3.2000e-004 | 0.0192 | 0.0192 | 0.0192 | 0.0192 | 0.0192 | 0.0192 | 2.0182 | 4.1990 | 6.2171 | 6.3300e-003 | 1.4000e-004 | 6.4162 |

6.2 Area by SubCategory

Unmitigated

| SubCategory | ROG | NOx | CO | SO2 | 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 | | | | | | | | | | | | | | | | |
| Architectural Coating | 4.4000e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.0473 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Hearth | 0.0622 | 4.9300e-003 | 0.1208 | 3.1000e-004 | 0.0181 | 0.0181 | 0.0181 | 0.0181 | 0.0181 | 0.0181 | 2.0182 | 3.8782 | 5.8964 | 6.0200e-003 | 1.4000e-004 | 6.0877 |
| Landscaping | 5.9600e-003 | 2.2700e-003 | 0.1965 | 1.0000e-005 | 1.0900e-003 | 1.0900e-003 | 1.0900e-003 | 1.0900e-003 | 1.0900e-003 | 1.0900e-003 | 0.0000 | 0.3208 | 0.3208 | 3.1000e-004 | 0.0000 | 0.3285 |
| Total | 0.1199 | 7.2000e-003 | 0.3173 | 3.2000e-004 | 0.0192 | 0.0192 | 0.0192 | 0.0192 | 0.0192 | 0.0192 | 2.0182 | 4.1990 | 6.2171 | 6.3300e-003 | 1.4000e-004 | 6.4162 |

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6.2 Area by SubCategory

Mitigated

| SubCategory | tons/yr | | | | | | | | | | MT/yr | | | | | |
|-----------------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| Architectural Coating | 4.4000e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.0473 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Hearth | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 5.9600e-003 | 2.2700e-003 | 0.1965 | 1.0000e-005 | 1.0900e-003 | 1.0900e-003 | 1.0900e-003 | 1.0900e-003 | 1.0900e-003 | 1.0900e-003 | 0.0000 | 0.3208 | 0.3208 | 3.1000e-004 | 0.0000 | 0.3285 |
| Total | 0.0577 | 2.2700e-003 | 0.1965 | 1.0000e-005 | | 1.0900e-003 | 1.0900e-003 | | 1.0900e-003 | 1.0900e-003 | 0.0000 | 0.3208 | 0.3208 | 3.1000e-004 | 0.0000 | 0.3285 |

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower

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| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|-------------|---------|
| Category | MT/yr | | | |
| Mitigated | 7.7810 | 0.0353 | 8.9000e-004 | 8.9281 |
| Unmitigated | 8.9794 | 0.0441 | 1.1100e-003 | 10.4105 |

7.2 Water by Land Use

Unmitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|---------------------|---------------|---------------|--------------------|----------------|
| Land Use | Mgal | MT/yr | | | |
| Enclosed Parking Structure | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Retirement Community | 1.23793 / 0.780432 | 8.2913 | 0.0407 | 1.0200e-003 | 9.6118 |
| Strip Mall | 0.103702 / 0.063559 | 0.6881 | 3.4100e-003 | 9.0000e-005 | 0.7987 |
| Total | | 8.9794 | 0.0441 | 1.1100e-003 | 10.4105 |

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7.2 Water by Land Use

Mitigated

| Land Use | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|----------------------|---------------|---------------|--------------------|---------------|
| | Mgal | MT/yr | | | |
| Enclosed Parking Structure | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Retirement Community | 0.990341 / 0.780432 | 7.1855 | 0.0326 | 8.2000e-004 | 8.2439 |
| Strip Mall | 0.0829612 / 0.063559 | 0.5955 | 2.7300e-003 | 7.0000e-005 | 0.6841 |
| Total | | 7.7810 | 0.0353 | 8.9000e-004 | 8.9281 |

8.0 Waste Detail

8.1 Mitigation Measures Waste

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Category/Year

| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|--------|--------|
| | MT/yr | | | |
| Mitigated | 2.0725 | 0.1225 | 0.0000 | 5.1346 |
| Unmitigated | 2.0725 | 0.1225 | 0.0000 | 5.1346 |

8.2 Waste by Land Use

Unmitigated

| Land Use | Waste Disposed tons | Total CO2 | | | CO2e |
|----------------------------|------------------------|---------------|---------------|---------------|---------------|
| | | CH4 | N2O | CO2e | |
| Enclosed Parking Structure | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Retirement Community | 8.74 | 1.7741 | 0.1049 | 0.0000 | 4.3954 |
| Strip Mall | 1.47 | 0.2984 | 0.0176 | 0.0000 | 0.7393 |
| Total | | 2.0725 | 0.1225 | 0.0000 | 5.1346 |

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8.2 Waste by Land Use

Mitigated

| Land Use | Waste Disposed tons | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|------------------------|---------------|---------------|---------------|---------------|
| | | MT/yr | | | |
| Enclosed Parking Structure | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Retirement Community | 8.74 | 1.7741 | 0.1049 | 0.0000 | 4.3954 |
| Strip Mall | 1.47 | 0.2984 | 0.0176 | 0.0000 | 0.7393 |
| Total | | 2.0725 | 0.1225 | 0.0000 | 5.1346 |

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 |
|----------------|--------|----------------|-----------------|---------------|-----------|
|----------------|--------|----------------|-----------------|---------------|-----------|

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User Defined Equipment

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

11.0 Vegetation
