

# Appendix K

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Alternatives

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Annual

**OCSP Alternative 1 - 2024**  
**San Luis Obispo County APCD Air District, Annual****1.0 Project Characteristics**

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**1.1 Land Usage**

| Land Uses              | Size   | Metric        | Lot Acreage | Floor Surface Area | Population |
|------------------------|--------|---------------|-------------|--------------------|------------|
| General Light Industry | 750.00 | 1000sqft      | 86.00       | 750,000.00         | 0          |
| Apartments Low Rise    | 222.00 | Dwelling Unit | 13.88       | 222,000.00         | 604        |
| Single Family Housing  | 669.00 | Dwelling Unit | 257.82      | 1,204,200.00       | 1820       |

**1.2 Other Project Characteristics**

|                         |                                |                         |      |                           |       |
|-------------------------|--------------------------------|-------------------------|------|---------------------------|-------|
| Urbanization            | Urban                          | Wind Speed (m/s)        | 3.2  | Precipitation Freq (Days) | 44    |
| Climate Zone            | 4                              |                         |      | Operational Year          | 2024  |
| Utility Company         | Pacific Gas & Electric Company |                         |      |                           |       |
| CO2 Intensity (lb/MWhr) | 447.45                         | CH4 Intensity (lb/MWhr) | 0.02 | N2O Intensity (lb/MWhr)   | 0.004 |

**1.3 User Entered Comments & Non-Default Data**

OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Annual

Project Characteristics - Adjusted to match Ambient AQ GHG Study.

Land Use - Adjusted to match Plan Area. Used City's household rate of 2.72 persons per household.

Construction Phase - Operational emissions only.

Vehicle Trips - SFR and MFR adjusted to match Ambient AQ GHG Study and industrial to match traffic estimates for Alt 1.

Area Coating - Adjusted to match Ambient AQ GHG study.

Energy Use -

Water And Wastewater - Adjusted to match Ambient AQ GHG Study.

Waste Mitigation - Adjusted to match Ambient's AQ GHG Study.

Water Mitigation -

Energy Mitigation -

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Annual

| Table Name                | Column Name                     | Default Value | New Value |
|---------------------------|---------------------------------|---------------|-----------|
| tblAreaCoating            | Area_EF_Nonresidential_Exterior | 250           | 100       |
| tblAreaCoating            | Area_EF_Nonresidential_Interior | 250           | 100       |
| tblAreaCoating            | Area_EF_Residential_Exterior    | 250           | 100       |
| tblAreaCoating            | Area_EF_Residential_Interior    | 250           | 100       |
| tblLandUse                | LotAcreage                      | 17.22         | 86.00     |
| tblLandUse                | LotAcreage                      | 217.21        | 257.82    |
| tblLandUse                | Population                      | 635.00        | 604.00    |
| tblLandUse                | Population                      | 1,913.00      | 1,820.00  |
| tblProjectCharacteristics | CH4IntensityFactor              | 0.029         | 0.02      |
| tblProjectCharacteristics | CO2IntensityFactor              | 641.35        | 447.45    |
| tblProjectCharacteristics | N2OIntensityFactor              | 0.006         | 0.004     |
| tblVehicleTrips           | WD_TR                           | 6.59          | 5.21      |
| tblVehicleTrips           | WD_TR                           | 6.97          | 3.57      |
| tblVehicleTrips           | WD_TR                           | 9.52          | 7.56      |
| tblWater                  | AerobicPercent                  | 87.46         | 97.79     |
| tblWater                  | AerobicPercent                  | 87.46         | 97.79     |
| tblWater                  | AerobicPercent                  | 87.46         | 97.79     |
| tblWater                  | SepticTankPercent               | 10.33         | 0.00      |
| tblWater                  | SepticTankPercent               | 10.33         | 0.00      |
| tblWater                  | SepticTankPercent               | 10.33         | 0.00      |

## 2.0 Emissions Summary

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## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Annual

**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    |            |            |        |        |            |
| 2020    | 0.1456  | 1.4752 | 0.8203 | 1.4700e-003 | 0.4849        | 0.0757       | 0.5606     | 0.2648         | 0.0698        | 0.3346      | 0.0000   | 129.4002   | 129.4002   | 0.0389 | 0.0000 | 130.3726   |
| 2021    | 4.3585  | 6.9065 | 6.3517 | 0.0147      | 1.2132        | 0.2693       | 1.4825     | 0.4436         | 0.2492        | 0.6928      | 0.0000   | 1,319.5549 | 1,319.5549 | 0.2393 | 0.0000 | 1,325.5378 |
| 2022    | 19.2251 | 6.5857 | 8.2329 | 0.0219      | 1.2226        | 0.2032       | 1.4258     | 0.3279         | 0.1902        | 0.5181      | 0.0000   | 1,985.3842 | 1,985.3842 | 0.2141 | 0.0000 | 1,990.7363 |
| 2023    | 10.6808 | 3.2369 | 4.3763 | 0.0119      | 0.6819        | 0.0983       | 0.7801     | 0.1829         | 0.0920        | 0.2748      | 0.0000   | 1,084.5245 | 1,084.5245 | 0.1156 | 0.0000 | 1,087.4156 |
| Maximum | 19.2251 | 6.9065 | 8.2329 | 0.0219      | 1.2226        | 0.2693       | 1.4825     | 0.4436         | 0.2492        | 0.6928      | 0.0000   | 1,985.3842 | 1,985.3842 | 0.2393 | 0.0000 | 1,990.7363 |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Annual

**2.1 Overall Construction****Mitigated Construction**

|         | ROG     | NOx    | CO     | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2  | Total CO2  | CH4    | N2O    | CO2e       |
|---------|---------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|--------|------------|
| Year    | tons/yr |        |        |             |               |              |            |                |               |             | MT/yr    |            |            |        |        |            |
| 2020    | 0.1456  | 1.4752 | 0.8203 | 1.4700e-003 | 0.4849        | 0.0757       | 0.5606     | 0.2648         | 0.0698        | 0.3346      | 0.0000   | 129.4000   | 129.4000   | 0.0389 | 0.0000 | 130.3725   |
| 2021    | 4.3585  | 6.9065 | 6.3517 | 0.0147      | 1.2132        | 0.2693       | 1.4825     | 0.4436         | 0.2492        | 0.6928      | 0.0000   | 1,319.5540 | 1,319.5540 | 0.2393 | 0.0000 | 1,325.5369 |
| 2022    | 19.2251 | 6.5857 | 8.2329 | 0.0219      | 1.2226        | 0.2032       | 1.4258     | 0.3279         | 0.1902        | 0.5181      | 0.0000   | 1,985.3835 | 1,985.3835 | 0.2141 | 0.0000 | 1,990.7356 |
| 2023    | 10.6808 | 3.2369 | 4.3763 | 0.0119      | 0.6819        | 0.0983       | 0.7801     | 0.1829         | 0.0920        | 0.2748      | 0.0000   | 1,084.5241 | 1,084.5241 | 0.1156 | 0.0000 | 1,087.4152 |
| Maximum | 19.2251 | 6.9065 | 8.2329 | 0.0219      | 1.2226        | 0.2693       | 1.4825     | 0.4436         | 0.2492        | 0.6928      | 0.0000   | 1,985.3835 | 1,985.3835 | 0.2393 | 0.0000 | 1,990.7356 |

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

| Quarter | Start Date | End Date   | Maximum Unmitigated ROG + NOX (tons/quarter) | Maximum Mitigated ROG + NOX (tons/quarter) |
|---------|------------|------------|----------------------------------------------|--------------------------------------------|
| 5       | 9-20-2020  | 12-19-2020 | 1.4090                                       | 1.4090                                     |
| 6       | 12-20-2020 | 3-19-2021  | 1.5694                                       | 1.5694                                     |
| 7       | 3-20-2021  | 6-19-2021  | 1.9578                                       | 1.9578                                     |
| 8       | 6-20-2021  | 9-19-2021  | 2.0288                                       | 2.0288                                     |
| 9       | 9-20-2021  | 12-19-2021 | 4.9989                                       | 4.9989                                     |
| 10      | 12-20-2021 | 3-19-2022  | 6.4129                                       | 6.4129                                     |
| 11      | 3-20-2022  | 6-19-2022  | 6.5101                                       | 6.5101                                     |
| 12      | 6-20-2022  | 9-19-2022  | 6.5071                                       | 6.5071                                     |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Annual

|    |            |            |        |        |
|----|------------|------------|--------|--------|
| 13 | 9-20-2022  | 12-19-2022 | 6.4566 | 6.4566 |
| 14 | 12-20-2022 | 3-19-2023  | 6.2062 | 6.2062 |
| 15 | 3-20-2023  | 6-19-2023  | 6.2966 | 6.2966 |
| 16 | 6-20-2023  | 9-19-2023  | 2.1891 | 2.1891 |
|    |            | Highest    | 6.5101 | 6.5101 |

## 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         | 10.1049        | 0.1398         | 12.1364        | 6.4000e-004   |               | 0.0672        | 0.0672        |                | 0.0672        | 0.0672        | 0.0000          | 19.8370            | 19.8370            | 0.0191         | 0.0000        | 20.3138            |
| Energy       | 0.2237         | 1.9702         | 1.2403         | 0.0122        |               | 0.1546        | 0.1546        |                | 0.1546        | 0.1546        | 0.0000          | 4,766.0813         | 4,766.0813         | 0.1565         | 0.0634        | 4,788.8890         |
| Mobile       | 2.3141         | 9.5265         | 27.4007        | 0.0901        | 8.9559        | 0.0805        | 9.0364        | 2.3965         | 0.0753        | 2.4717        | 0.0000          | 8,261.4818         | 8,261.4818         | 0.2932         | 0.0000        | 8,268.8127         |
| Waste        |                |                |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 368.7229        | 0.0000             | 368.7229           | 21.7909        | 0.0000        | 913.4955           |
| Water        |                |                |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 81.9014         | 280.2236           | 362.1250           | 2.1535         | 0.1806        | 469.7865           |
| <b>Total</b> | <b>12.6428</b> | <b>11.6365</b> | <b>40.7775</b> | <b>0.1030</b> | <b>8.9559</b> | <b>0.3024</b> | <b>9.2582</b> | <b>2.3965</b>  | <b>0.2971</b> | <b>2.6936</b> | <b>450.6244</b> | <b>13,327.6236</b> | <b>13,778.2480</b> | <b>24.4133</b> | <b>0.2440</b> | <b>14,461.2976</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Annual

**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         | 10.1049        | 0.1398         | 12.1364        | 6.4000e-004   |               | 0.0672        | 0.0672        |                | 0.0672        | 0.0672        | 0.0000          | 19.8370            | 19.8370            | 0.0191         | 0.0000        | 20.3138            |
| Energy       | 0.2237         | 1.9702         | 1.2403         | 0.0122        |               | 0.1546        | 0.1546        |                | 0.1546        | 0.1546        | 0.0000          | 4,738.3376         | 4,738.3376         | 0.1553         | 0.0632        | 4,761.0405         |
| Mobile       | 2.3141         | 9.5265         | 27.4007        | 0.0901        | 8.9559        | 0.0805        | 9.0364        | 2.3965         | 0.0753        | 2.4717        | 0.0000          | 8,261.4818         | 8,261.4818         | 0.2932         | 0.0000        | 8,268.8127         |
| Waste        |                |                |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 184.3615        | 0.0000             | 184.3615           | 10.8955        | 0.0000        | 456.7477           |
| Water        |                |                |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 65.5212         | 227.7926           | 293.3137           | 1.7230         | 0.1445        | 379.4566           |
| <b>Total</b> | <b>12.6428</b> | <b>11.6365</b> | <b>40.7775</b> | <b>0.1030</b> | <b>8.9559</b> | <b>0.3024</b> | <b>9.2582</b> | <b>2.3965</b>  | <b>0.2971</b> | <b>2.6936</b> | <b>249.8826</b> | <b>13,247.4490</b> | <b>13,497.3316</b> | <b>13.0860</b> | <b>0.2077</b> | <b>13,886.3713</b> |

|                          | ROG         | NOx         | CO          | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2     | NBio-CO2    | Total CO2   | CH4          | N2O          | CO2e        |
|--------------------------|-------------|-------------|-------------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|--------------|-------------|-------------|--------------|--------------|-------------|
| <b>Percent Reduction</b> | <b>0.00</b> | <b>0.00</b> | <b>0.00</b> | <b>0.00</b> | <b>0.00</b>   | <b>0.00</b>  | <b>0.00</b> | <b>0.00</b>    | <b>0.00</b>   | <b>0.00</b> | <b>44.55</b> | <b>0.60</b> | <b>2.04</b> | <b>46.40</b> | <b>14.89</b> | <b>3.98</b> |

**3.0 Construction Detail****Construction Phase**

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Annual

| Phase Number | Phase Name            | Phase Type            | Start Date | End Date   | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1            | Demolition            | Demolition            | 9/20/2020  | 10/19/2020 | 5             | 400      |                   |
| 2            | Site Preparation      | Site Preparation      | 10/20/2020 | 1/20/2021  | 5             | 240      |                   |
| 3            | Grading               | Grading               | 1/21/2021  | 7/21/2021  | 5             | 620      |                   |
| 4            | Paving                | Paving                | 4/24/2021  | 7/21/2023  | 5             | 440      |                   |
| 5            | Building Construction | Building Construction | 7/22/2021  | 7/21/2023  | 5             | 6200     |                   |
| 6            | Architectural Coating | Architectural Coating | 10/22/2021 | 7/21/2023  | 5             | 440      |                   |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 1550

Acres of Paving: 0

Residential Indoor: 2,888,055; Residential Outdoor: 962,685; Non-Residential Indoor: 1,125,000; Non-Residential Outdoor: 375,000; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Annual

| Phase Name            | Offroad Equipment Type    | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Demolition            | Concrete/Industrial Saws  | 1      | 8.00        | 81          | 0.73        |
| Demolition            | Excavators                | 3      | 8.00        | 158         | 0.38        |
| Demolition            | Rubber Tired Dozers       | 2      | 8.00        | 247         | 0.40        |
| Site Preparation      | Rubber Tired Dozers       | 3      | 8.00        | 247         | 0.40        |
| Site Preparation      | Tractors/Loaders/Backhoes | 4      | 8.00        | 97          | 0.37        |
| Grading               | Excavators                | 2      | 8.00        | 158         | 0.38        |
| Grading               | Graders                   | 1      | 8.00        | 187         | 0.41        |
| Grading               | Rubber Tired Dozers       | 1      | 8.00        | 247         | 0.40        |
| Grading               | Scrapers                  | 2      | 8.00        | 367         | 0.48        |
| Grading               | Tractors/Loaders/Backhoes | 2      | 8.00        | 97          | 0.37        |
| Paving                | Pavers                    | 2      | 8.00        | 130         | 0.42        |
| Paving                | Paving Equipment          | 2      | 8.00        | 132         | 0.36        |
| Paving                | Rollers                   | 2      | 8.00        | 80          | 0.38        |
| Building Construction | Cranes                    | 1      | 7.00        | 231         | 0.29        |
| Building Construction | Forklifts                 | 3      | 8.00        | 89          | 0.20        |
| Building Construction | Generator Sets            | 1      | 8.00        | 84          | 0.74        |
| Building Construction | Tractors/Loaders/Backhoes | 3      | 7.00        | 97          | 0.37        |
| Building Construction | Welders                   | 1      | 8.00        | 46          | 0.45        |
| Architectural Coating | Air Compressors           | 1      | 6.00        | 78          | 0.48        |

Trips and VMT

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Annual

| 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            | 6                       | 15.00              | 0.00               | 0.00                | 13.00              | 5.00               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Site Preparation      | 7                       | 18.00              | 0.00               | 0.00                | 13.00              | 5.00               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Grading               | 8                       | 20.00              | 0.00               | 0.00                | 13.00              | 5.00               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Paving                | 6                       | 15.00              | 0.00               | 0.00                | 13.00              | 5.00               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Building Construction | 9                       | 716.00             | 218.00             | 0.00                | 13.00              | 5.00               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Architectural Coating | 1                       | 143.00             | 0.00               | 0.00                | 13.00              | 5.00               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |

**3.1 Mitigation Measures Construction****3.2 Demolition - 2020****Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2      | Total CO2      | CH4           | N2O           | CO2e           |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category     | tons/yr       |               |               |                    |               |               |               |                |               |               | MT/yr         |                |                |               |               |                |
| Off-Road     | 0.0348        | 0.3486        | 0.2284        | 4.1000e-004        |               | 0.0174        | 0.0174        |                | 0.0162        | 0.0162        | 0.0000        | 35.6985        | 35.6985        | 0.0101        | 0.0000        | 35.9505        |
| <b>Total</b> | <b>0.0348</b> | <b>0.3486</b> | <b>0.2284</b> | <b>4.1000e-004</b> |               | <b>0.0174</b> | <b>0.0174</b> |                | <b>0.0162</b> | <b>0.0162</b> | <b>0.0000</b> | <b>35.6985</b> | <b>35.6985</b> | <b>0.0101</b> | <b>0.0000</b> | <b>35.9505</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Annual

**3.2 Demolition - 2020****Unmitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |                    |                    |                    |                    |                    |                    |                    |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Vendor       | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Worker       | 6.9000e-004        | 6.3000e-004        | 5.4200e-003        | 1.0000e-005        | 1.5200e-003        | 1.0000e-005        | 1.5300e-003        | 4.0000e-004        | 1.0000e-005        | 4.1000e-004        | 0.0000        | 1.2685        | 1.2685        | 4.0000e-005        | 0.0000        | 1.2696        |
| <b>Total</b> | <b>6.9000e-004</b> | <b>6.3000e-004</b> | <b>5.4200e-003</b> | <b>1.0000e-005</b> | <b>1.5200e-003</b> | <b>1.0000e-005</b> | <b>1.5300e-003</b> | <b>4.0000e-004</b> | <b>1.0000e-005</b> | <b>4.1000e-004</b> | <b>0.0000</b> | <b>1.2685</b> | <b>1.2685</b> | <b>4.0000e-005</b> | <b>0.0000</b> | <b>1.2696</b> |

**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     | 0.0348        | 0.3486        | 0.2284        | 4.1000e-004        |               | 0.0174        | 0.0174        |                | 0.0162        | 0.0162        | 0.0000        | 35.6985        | 35.6985        | 0.0101        | 0.0000        | 35.9504        |
| <b>Total</b> | <b>0.0348</b> | <b>0.3486</b> | <b>0.2284</b> | <b>4.1000e-004</b> |               | <b>0.0174</b> | <b>0.0174</b> |                | <b>0.0162</b> | <b>0.0162</b> | <b>0.0000</b> | <b>35.6985</b> | <b>35.6985</b> | <b>0.0101</b> | <b>0.0000</b> | <b>35.9504</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Annual

**3.2 Demolition - 2020****Mitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |                    |                    |                    |                    |                    |                    |                    |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Vendor       | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Worker       | 6.9000e-004        | 6.3000e-004        | 5.4200e-003        | 1.0000e-005        | 1.5200e-003        | 1.0000e-005        | 1.5300e-003        | 4.0000e-004        | 1.0000e-005        | 4.1000e-004        | 0.0000        | 1.2685        | 1.2685        | 4.0000e-005        | 0.0000        | 1.2696        |
| <b>Total</b> | <b>6.9000e-004</b> | <b>6.3000e-004</b> | <b>5.4200e-003</b> | <b>1.0000e-005</b> | <b>1.5200e-003</b> | <b>1.0000e-005</b> | <b>1.5300e-003</b> | <b>4.0000e-004</b> | <b>1.0000e-005</b> | <b>4.1000e-004</b> | <b>0.0000</b> | <b>1.2685</b> | <b>1.2685</b> | <b>4.0000e-005</b> | <b>0.0000</b> | <b>1.2696</b> |

**3.3 Site Preparation - 2020****Unmitigated Construction On-Site**

|               | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2      | Total CO2      | CH4           | N2O           | CO2e           |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category      | tons/yr       |               |               |                    |               |               |               |                |               |               | MT/yr         |                |                |               |               |                |
| Fugitive Dust |               |               |               |                    | 0.4788        | 0.0000        | 0.4788        | 0.2632         | 0.0000        | 0.2632        | 0.0000        | 0.0000         | 0.0000         | 0.0000        | 0.0000        | 0.0000         |
| Off-Road      | 0.1080        | 1.1241        | 0.5701        | 1.0100e-003        |               | 0.0582        | 0.0582        |                | 0.0536        | 0.0536        | 0.0000        | 88.5913        | 88.5913        | 0.0287        | 0.0000        | 89.3076        |
| <b>Total</b>  | <b>0.1080</b> | <b>1.1241</b> | <b>0.5701</b> | <b>1.0100e-003</b> | <b>0.4788</b> | <b>0.0582</b> | <b>0.5370</b> | <b>0.2632</b>  | <b>0.0536</b> | <b>0.3167</b> | <b>0.0000</b> | <b>88.5913</b> | <b>88.5913</b> | <b>0.0287</b> | <b>0.0000</b> | <b>89.3076</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Annual

**3.3 Site Preparation - 2020****Unmitigated Construction Off-Site**

|              | ROG                | NOx                | CO            | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |               |                    |                    |                    |                    |                    |                    |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Vendor       | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Worker       | 2.0900e-003        | 1.9000e-003        | 0.0164        | 4.0000e-005        | 4.5900e-003        | 3.0000e-005        | 4.6200e-003        | 1.2200e-003        | 3.0000e-005        | 1.2500e-003        | 0.0000        | 3.8418        | 3.8418        | 1.3000e-004        | 0.0000        | 3.8450        |
| <b>Total</b> | <b>2.0900e-003</b> | <b>1.9000e-003</b> | <b>0.0164</b> | <b>4.0000e-005</b> | <b>4.5900e-003</b> | <b>3.0000e-005</b> | <b>4.6200e-003</b> | <b>1.2200e-003</b> | <b>3.0000e-005</b> | <b>1.2500e-003</b> | <b>0.0000</b> | <b>3.8418</b> | <b>3.8418</b> | <b>1.3000e-004</b> | <b>0.0000</b> | <b>3.8450</b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2      | Total CO2      | CH4           | N2O           | CO2e           |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category      | tons/yr       |               |               |                    |               |               |               |                |               |               | MT/yr         |                |                |               |               |                |
| Fugitive Dust |               |               |               |                    | 0.4788        | 0.0000        | 0.4788        | 0.2632         | 0.0000        | 0.2632        | 0.0000        | 0.0000         | 0.0000         | 0.0000        | 0.0000        | 0.0000         |
| Off-Road      | 0.1080        | 1.1241        | 0.5701        | 1.0100e-003        |               | 0.0582        | 0.0582        |                | 0.0536        | 0.0536        | 0.0000        | 88.5912        | 88.5912        | 0.0287        | 0.0000        | 89.3075        |
| <b>Total</b>  | <b>0.1080</b> | <b>1.1241</b> | <b>0.5701</b> | <b>1.0100e-003</b> | <b>0.4788</b> | <b>0.0582</b> | <b>0.5370</b> | <b>0.2632</b>  | <b>0.0536</b> | <b>0.3167</b> | <b>0.0000</b> | <b>88.5912</b> | <b>88.5912</b> | <b>0.0287</b> | <b>0.0000</b> | <b>89.3075</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Annual

**3.3 Site Preparation - 2020****Mitigated Construction Off-Site**

|              | ROG                | NOx                | CO            | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |               |                    |                    |                    |                    |                    |                    |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Vendor       | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Worker       | 2.0900e-003        | 1.9000e-003        | 0.0164        | 4.0000e-005        | 4.5900e-003        | 3.0000e-005        | 4.6200e-003        | 1.2200e-003        | 3.0000e-005        | 1.2500e-003        | 0.0000        | 3.8418        | 3.8418        | 1.3000e-004        | 0.0000        | 3.8450        |
| <b>Total</b> | <b>2.0900e-003</b> | <b>1.9000e-003</b> | <b>0.0164</b> | <b>4.0000e-005</b> | <b>4.5900e-003</b> | <b>3.0000e-005</b> | <b>4.6200e-003</b> | <b>1.2200e-003</b> | <b>3.0000e-005</b> | <b>1.2500e-003</b> | <b>0.0000</b> | <b>3.8418</b> | <b>3.8418</b> | <b>1.3000e-004</b> | <b>0.0000</b> | <b>3.8450</b> |

**3.3 Site Preparation - 2021****Unmitigated Construction On-Site**

|               | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category      | tons/yr       |               |               |                    |               |               |               |                |               |               | MT/yr         |                |                |                    |               |                |
| Fugitive Dust |               |               |               |                    | 0.1265        | 0.0000        | 0.1265        | 0.0695         | 0.0000        | 0.0695        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Off-Road      | 0.0272        | 0.2835        | 0.1481        | 2.7000e-004        |               | 0.0143        | 0.0143        |                | 0.0132        | 0.0132        | 0.0000        | 23.4050        | 23.4050        | 7.5700e-003        | 0.0000        | 23.5942        |
| <b>Total</b>  | <b>0.0272</b> | <b>0.2835</b> | <b>0.1481</b> | <b>2.7000e-004</b> | <b>0.1265</b> | <b>0.0143</b> | <b>0.1408</b> | <b>0.0695</b>  | <b>0.0132</b> | <b>0.0827</b> | <b>0.0000</b> | <b>23.4050</b> | <b>23.4050</b> | <b>7.5700e-003</b> | <b>0.0000</b> | <b>23.5942</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Annual

**3.3 Site Preparation - 2021****Unmitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |                    |                    |                    |                    |                    |                    |                    |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Vendor       | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Worker       | 5.1000e-004        | 4.5000e-004        | 3.9300e-003        | 1.0000e-005        | 1.2100e-003        | 1.0000e-005        | 1.2200e-003        | 3.2000e-004        | 1.0000e-005        | 3.3000e-004        | 0.0000        | 0.9802        | 0.9802        | 3.0000e-005        | 0.0000        | 0.9810        |
| <b>Total</b> | <b>5.1000e-004</b> | <b>4.5000e-004</b> | <b>3.9300e-003</b> | <b>1.0000e-005</b> | <b>1.2100e-003</b> | <b>1.0000e-005</b> | <b>1.2200e-003</b> | <b>3.2000e-004</b> | <b>1.0000e-005</b> | <b>3.3000e-004</b> | <b>0.0000</b> | <b>0.9802</b> | <b>0.9802</b> | <b>3.0000e-005</b> | <b>0.0000</b> | <b>0.9810</b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category      | tons/yr       |               |               |                    |               |               |               |                |               |               | MT/yr         |                |                |                    |               |                |
| Fugitive Dust |               |               |               |                    | 0.1265        | 0.0000        | 0.1265        | 0.0695         | 0.0000        | 0.0695        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Off-Road      | 0.0272        | 0.2835        | 0.1481        | 2.7000e-004        |               | 0.0143        | 0.0143        |                | 0.0132        | 0.0132        | 0.0000        | 23.4050        | 23.4050        | 7.5700e-003        | 0.0000        | 23.5942        |
| <b>Total</b>  | <b>0.0272</b> | <b>0.2835</b> | <b>0.1481</b> | <b>2.7000e-004</b> | <b>0.1265</b> | <b>0.0143</b> | <b>0.1408</b> | <b>0.0695</b>  | <b>0.0132</b> | <b>0.0827</b> | <b>0.0000</b> | <b>23.4050</b> | <b>23.4050</b> | <b>7.5700e-003</b> | <b>0.0000</b> | <b>23.5942</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Annual

**3.3 Site Preparation - 2021****Mitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |                    |                    |                    |                    |                    |                    |                    |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Vendor       | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Worker       | 5.1000e-004        | 4.5000e-004        | 3.9300e-003        | 1.0000e-005        | 1.2100e-003        | 1.0000e-005        | 1.2200e-003        | 3.2000e-004        | 1.0000e-005        | 3.3000e-004        | 0.0000        | 0.9802        | 0.9802        | 3.0000e-005        | 0.0000        | 0.9810        |
| <b>Total</b> | <b>5.1000e-004</b> | <b>4.5000e-004</b> | <b>3.9300e-003</b> | <b>1.0000e-005</b> | <b>1.2100e-003</b> | <b>1.0000e-005</b> | <b>1.2200e-003</b> | <b>3.2000e-004</b> | <b>1.0000e-005</b> | <b>3.3000e-004</b> | <b>0.0000</b> | <b>0.9802</b> | <b>0.9802</b> | <b>3.0000e-005</b> | <b>0.0000</b> | <b>0.9810</b> |

**3.4 Grading - 2021****Unmitigated Construction On-Site**

|               | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O           | CO2e            |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category      | tons/yr       |               |               |                    |               |               |               |                |               |               | MT/yr         |                 |                 |               |               |                 |
| Fugitive Dust |               |               |               |                    | 0.5638        | 0.0000        | 0.5638        | 0.2338         | 0.0000        | 0.2338        | 0.0000        | 0.0000          | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| Off-Road      | 0.2724        | 3.0160        | 2.0071        | 4.0300e-003        |               | 0.1291        | 0.1291        |                | 0.1187        | 0.1187        | 0.0000        | 354.2174        | 354.2174        | 0.1146        | 0.0000        | 357.0814        |
| <b>Total</b>  | <b>0.2724</b> | <b>3.0160</b> | <b>2.0071</b> | <b>4.0300e-003</b> | <b>0.5638</b> | <b>0.1291</b> | <b>0.6928</b> | <b>0.2338</b>  | <b>0.1187</b> | <b>0.3525</b> | <b>0.0000</b> | <b>354.2174</b> | <b>354.2174</b> | <b>0.1146</b> | <b>0.0000</b> | <b>357.0814</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Annual

**3.4 Grading - 2021****Unmitigated Construction Off-Site**

|              | ROG                | NOx                | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|--------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category     | tons/yr            |                    |               |                    |               |                    |               |                    |                    |                    | MT/yr         |                |                |                    |               |                |
| Hauling      | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Vendor       | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Worker       | 5.3000e-003        | 4.6200e-003        | 0.0405        | 1.1000e-004        | 0.0125        | 8.0000e-005        | 0.0126        | 3.3300e-003        | 7.0000e-005        | 3.4000e-003        | 0.0000        | 10.1135        | 10.1135        | 3.1000e-004        | 0.0000        | 10.1211        |
| <b>Total</b> | <b>5.3000e-003</b> | <b>4.6200e-003</b> | <b>0.0405</b> | <b>1.1000e-004</b> | <b>0.0125</b> | <b>8.0000e-005</b> | <b>0.0126</b> | <b>3.3300e-003</b> | <b>7.0000e-005</b> | <b>3.4000e-003</b> | <b>0.0000</b> | <b>10.1135</b> | <b>10.1135</b> | <b>3.1000e-004</b> | <b>0.0000</b> | <b>10.1211</b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O           | CO2e            |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category      | tons/yr       |               |               |                    |               |               |               |                |               |               | MT/yr         |                 |                 |               |               |                 |
| Fugitive Dust |               |               |               |                    | 0.5638        | 0.0000        | 0.5638        | 0.2338         | 0.0000        | 0.2338        | 0.0000        | 0.0000          | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| Off-Road      | 0.2724        | 3.0160        | 2.0071        | 4.0300e-003        |               | 0.1291        | 0.1291        |                | 0.1187        | 0.1187        | 0.0000        | 354.2170        | 354.2170        | 0.1146        | 0.0000        | 357.0810        |
| <b>Total</b>  | <b>0.2724</b> | <b>3.0160</b> | <b>2.0071</b> | <b>4.0300e-003</b> | <b>0.5638</b> | <b>0.1291</b> | <b>0.6928</b> | <b>0.2338</b>  | <b>0.1187</b> | <b>0.3525</b> | <b>0.0000</b> | <b>354.2170</b> | <b>354.2170</b> | <b>0.1146</b> | <b>0.0000</b> | <b>357.0810</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Annual

**3.4 Grading - 2021****Mitigated Construction Off-Site**

|              | ROG                | NOx                | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|--------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category     | tons/yr            |                    |               |                    |               |                    |               |                    |                    |                    | MT/yr         |                |                |                    |               |                |
| Hauling      | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Vendor       | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Worker       | 5.3000e-003        | 4.6200e-003        | 0.0405        | 1.1000e-004        | 0.0125        | 8.0000e-005        | 0.0126        | 3.3300e-003        | 7.0000e-005        | 3.4000e-003        | 0.0000        | 10.1135        | 10.1135        | 3.1000e-004        | 0.0000        | 10.1211        |
| <b>Total</b> | <b>5.3000e-003</b> | <b>4.6200e-003</b> | <b>0.0405</b> | <b>1.1000e-004</b> | <b>0.0125</b> | <b>8.0000e-005</b> | <b>0.0126</b> | <b>3.3300e-003</b> | <b>7.0000e-005</b> | <b>3.4000e-003</b> | <b>0.0000</b> | <b>10.1135</b> | <b>10.1135</b> | <b>3.1000e-004</b> | <b>0.0000</b> | <b>10.1211</b> |

**3.5 Paving - 2021****Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O           | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category     | tons/yr       |               |               |                    |               |               |               |                |               |               | MT/yr         |                 |                 |               |               |                 |
| Off-Road     | 0.1130        | 1.1627        | 1.3188        | 2.0500e-003        |               | 0.0610        | 0.0610        |                | 0.0561        | 0.0561        | 0.0000        | 180.2113        | 180.2113        | 0.0583        | 0.0000        | 181.6684        |
| Paving       | 0.0000        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000          | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| <b>Total</b> | <b>0.1130</b> | <b>1.1627</b> | <b>1.3188</b> | <b>2.0500e-003</b> |               | <b>0.0610</b> | <b>0.0610</b> |                | <b>0.0561</b> | <b>0.0561</b> | <b>0.0000</b> | <b>180.2113</b> | <b>180.2113</b> | <b>0.0583</b> | <b>0.0000</b> | <b>181.6684</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Annual

**3.5 Paving - 2021****Unmitigated Construction Off-Site**

|              | ROG                | NOx                | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|--------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category     | tons/yr            |                    |               |                    |               |                    |               |                    |                    |                    | MT/yr         |                |                |                    |               |                |
| Hauling      | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Vendor       | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Worker       | 5.5000e-003        | 4.8000e-003        | 0.0421        | 1.2000e-004        | 0.0130        | 8.0000e-005        | 0.0131        | 3.4500e-003        | 8.0000e-005        | 3.5300e-003        | 0.0000        | 10.5024        | 10.5024        | 3.2000e-004        | 0.0000        | 10.5104        |
| <b>Total</b> | <b>5.5000e-003</b> | <b>4.8000e-003</b> | <b>0.0421</b> | <b>1.2000e-004</b> | <b>0.0130</b> | <b>8.0000e-005</b> | <b>0.0131</b> | <b>3.4500e-003</b> | <b>8.0000e-005</b> | <b>3.5300e-003</b> | <b>0.0000</b> | <b>10.5024</b> | <b>10.5024</b> | <b>3.2000e-004</b> | <b>0.0000</b> | <b>10.5104</b> |

**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     | 0.1130        | 1.1627        | 1.3188        | 2.0500e-003        |               | 0.0610        | 0.0610        |                | 0.0561        | 0.0561        | 0.0000        | 180.2111        | 180.2111        | 0.0583        | 0.0000        | 181.6682        |
| Paving       | 0.0000        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000          | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| <b>Total</b> | <b>0.1130</b> | <b>1.1627</b> | <b>1.3188</b> | <b>2.0500e-003</b> |               | <b>0.0610</b> | <b>0.0610</b> |                | <b>0.0561</b> | <b>0.0561</b> | <b>0.0000</b> | <b>180.2111</b> | <b>180.2111</b> | <b>0.0583</b> | <b>0.0000</b> | <b>181.6682</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Annual

**3.5 Paving - 2021****Mitigated Construction Off-Site**

|              | ROG                | NOx                | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|--------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category     | tons/yr            |                    |               |                    |               |                    |               |                    |                    |                    | MT/yr         |                |                |                    |               |                |
| Hauling      | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Vendor       | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Worker       | 5.5000e-003        | 4.8000e-003        | 0.0421        | 1.2000e-004        | 0.0130        | 8.0000e-005        | 0.0131        | 3.4500e-003        | 8.0000e-005        | 3.5300e-003        | 0.0000        | 10.5024        | 10.5024        | 3.2000e-004        | 0.0000        | 10.5104        |
| <b>Total</b> | <b>5.5000e-003</b> | <b>4.8000e-003</b> | <b>0.0421</b> | <b>1.2000e-004</b> | <b>0.0130</b> | <b>8.0000e-005</b> | <b>0.0131</b> | <b>3.4500e-003</b> | <b>8.0000e-005</b> | <b>3.5300e-003</b> | <b>0.0000</b> | <b>10.5024</b> | <b>10.5024</b> | <b>3.2000e-004</b> | <b>0.0000</b> | <b>10.5104</b> |

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

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O           | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category     | tons/yr       |               |               |                    |               |               |               |                |               |               | MT/yr         |                 |                 |               |               |                 |
| Off-Road     | 0.1434        | 1.4462        | 1.8955        | 2.9600e-003        |               | 0.0738        | 0.0738        |                | 0.0679        | 0.0679        | 0.0000        | 260.3583        | 260.3583        | 0.0842        | 0.0000        | 262.4634        |
| Paving       | 0.0000        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000          | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| <b>Total</b> | <b>0.1434</b> | <b>1.4462</b> | <b>1.8955</b> | <b>2.9600e-003</b> |               | <b>0.0738</b> | <b>0.0738</b> |                | <b>0.0679</b> | <b>0.0679</b> | <b>0.0000</b> | <b>260.3583</b> | <b>260.3583</b> | <b>0.0842</b> | <b>0.0000</b> | <b>262.4634</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Annual

**3.5 Paving - 2022****Unmitigated Construction Off-Site**

|              | ROG                | NOx                | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|--------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category     | tons/yr            |                    |               |                    |               |                    |               |                    |                    |                    | MT/yr         |                |                |                    |               |                |
| Hauling      | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Vendor       | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Worker       | 7.4600e-003        | 6.2300e-003        | 0.0557        | 1.6000e-004        | 0.0188        | 1.2000e-004        | 0.0189        | 4.9900e-003        | 1.1000e-004        | 5.1000e-003        | 0.0000        | 14.6280        | 14.6280        | 4.1000e-004        | 0.0000        | 14.6382        |
| <b>Total</b> | <b>7.4600e-003</b> | <b>6.2300e-003</b> | <b>0.0557</b> | <b>1.6000e-004</b> | <b>0.0188</b> | <b>1.2000e-004</b> | <b>0.0189</b> | <b>4.9900e-003</b> | <b>1.1000e-004</b> | <b>5.1000e-003</b> | <b>0.0000</b> | <b>14.6280</b> | <b>14.6280</b> | <b>4.1000e-004</b> | <b>0.0000</b> | <b>14.6382</b> |

**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     | 0.1434        | 1.4462        | 1.8955        | 2.9600e-003        |               | 0.0738        | 0.0738        |                | 0.0679        | 0.0679        | 0.0000        | 260.3579        | 260.3579        | 0.0842        | 0.0000        | 262.4631        |
| Paving       | 0.0000        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000          | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| <b>Total</b> | <b>0.1434</b> | <b>1.4462</b> | <b>1.8955</b> | <b>2.9600e-003</b> |               | <b>0.0738</b> | <b>0.0738</b> |                | <b>0.0679</b> | <b>0.0679</b> | <b>0.0000</b> | <b>260.3579</b> | <b>260.3579</b> | <b>0.0842</b> | <b>0.0000</b> | <b>262.4631</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Annual

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

|              | ROG                | NOx                | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|--------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category     | tons/yr            |                    |               |                    |               |                    |               |                    |                    |                    | MT/yr         |                |                |                    |               |                |
| Hauling      | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Vendor       | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Worker       | 7.4600e-003        | 6.2300e-003        | 0.0557        | 1.6000e-004        | 0.0188        | 1.2000e-004        | 0.0189        | 4.9900e-003        | 1.1000e-004        | 5.1000e-003        | 0.0000        | 14.6280        | 14.6280        | 4.1000e-004        | 0.0000        | 14.6382        |
| <b>Total</b> | <b>7.4600e-003</b> | <b>6.2300e-003</b> | <b>0.0557</b> | <b>1.6000e-004</b> | <b>0.0188</b> | <b>1.2000e-004</b> | <b>0.0189</b> | <b>4.9900e-003</b> | <b>1.1000e-004</b> | <b>5.1000e-003</b> | <b>0.0000</b> | <b>14.6280</b> | <b>14.6280</b> | <b>4.1000e-004</b> | <b>0.0000</b> | <b>14.6382</b> |

**3.5 Paving - 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     | 0.0749        | 0.7389        | 1.0574        | 1.6500e-003        |               | 0.0370        | 0.0370        |                | 0.0340        | 0.0340        | 0.0000        | 145.1948        | 145.1948        | 0.0470        | 0.0000        | 146.3688        |
| Paving       | 0.0000        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000          | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| <b>Total</b> | <b>0.0749</b> | <b>0.7389</b> | <b>1.0574</b> | <b>1.6500e-003</b> |               | <b>0.0370</b> | <b>0.0370</b> |                | <b>0.0340</b> | <b>0.0340</b> | <b>0.0000</b> | <b>145.1948</b> | <b>145.1948</b> | <b>0.0470</b> | <b>0.0000</b> | <b>146.3688</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Annual

**3.5 Paving - 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       | 3.9100e-003        | 3.1200e-003        | 0.0284        | 9.0000e-005        | 0.0105        | 6.0000e-005        | 0.0105        | 2.7800e-003        | 6.0000e-005        | 2.8400e-003        | 0.0000        | 7.8519        | 7.8519        | 2.0000e-004        | 0.0000        | 7.8571        |
| <b>Total</b> | <b>3.9100e-003</b> | <b>3.1200e-003</b> | <b>0.0284</b> | <b>9.0000e-005</b> | <b>0.0105</b> | <b>6.0000e-005</b> | <b>0.0105</b> | <b>2.7800e-003</b> | <b>6.0000e-005</b> | <b>2.8400e-003</b> | <b>0.0000</b> | <b>7.8519</b> | <b>7.8519</b> | <b>2.0000e-004</b> | <b>0.0000</b> | <b>7.8571</b> |

**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     | 0.0749        | 0.7389        | 1.0574        | 1.6500e-003        |               | 0.0370        | 0.0370        |                | 0.0340        | 0.0340        | 0.0000        | 145.1946        | 145.1946        | 0.0470        | 0.0000        | 146.3686        |
| Paving       | 0.0000        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000          | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| <b>Total</b> | <b>0.0749</b> | <b>0.7389</b> | <b>1.0574</b> | <b>1.6500e-003</b> |               | <b>0.0370</b> | <b>0.0370</b> |                | <b>0.0340</b> | <b>0.0340</b> | <b>0.0000</b> | <b>145.1946</b> | <b>145.1946</b> | <b>0.0470</b> | <b>0.0000</b> | <b>146.3686</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Annual

**3.5 Paving - 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       | 3.9100e-003        | 3.1200e-003        | 0.0284        | 9.0000e-005        | 0.0105        | 6.0000e-005        | 0.0105        | 2.7800e-003        | 6.0000e-005        | 2.8400e-003        | 0.0000        | 7.8519        | 7.8519        | 2.0000e-004        | 0.0000        | 7.8571        |
| <b>Total</b> | <b>3.9100e-003</b> | <b>3.1200e-003</b> | <b>0.0284</b> | <b>9.0000e-005</b> | <b>0.0105</b> | <b>6.0000e-005</b> | <b>0.0105</b> | <b>2.7800e-003</b> | <b>6.0000e-005</b> | <b>2.8400e-003</b> | <b>0.0000</b> | <b>7.8519</b> | <b>7.8519</b> | <b>2.0000e-004</b> | <b>0.0000</b> | <b>7.8571</b> |

**3.6 Building Construction - 2021****Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O           | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category     | tons/yr       |               |               |                    |               |               |               |                |               |               | MT/yr         |                 |                 |               |               |                 |
| Off-Road     | 0.1112        | 1.0198        | 0.9697        | 1.5700e-003        |               | 0.0561        | 0.0561        |                | 0.0527        | 0.0527        | 0.0000        | 135.5078        | 135.5078        | 0.0327        | 0.0000        | 136.3251        |
| <b>Total</b> | <b>0.1112</b> | <b>1.0198</b> | <b>0.9697</b> | <b>1.5700e-003</b> |               | <b>0.0561</b> | <b>0.0561</b> |                | <b>0.0527</b> | <b>0.0527</b> | <b>0.0000</b> | <b>135.5078</b> | <b>135.5078</b> | <b>0.0327</b> | <b>0.0000</b> | <b>136.3251</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Annual

**3.6 Building Construction - 2021****Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O           | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category     | tons/yr       |               |               |                    |               |                    |               |                |                    |               | MT/yr         |                 |                 |               |               |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        | 0.0000        | 0.0000          | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| Vendor       | 0.0389        | 1.2140        | 0.3557        | 2.5200e-003        | 0.0579        | 3.4700e-003        | 0.0614        | 0.0167         | 3.3100e-003        | 0.0201        | 0.0000        | 243.8823        | 243.8823        | 0.0144        | 0.0000        | 244.2419        |
| Worker       | 0.1707        | 0.1488        | 1.3058        | 3.6100e-003        | 0.4032        | 2.5600e-003        | 0.4058        | 0.1072         | 2.3700e-003        | 0.1095        | 0.0000        | 325.8558        | 325.8558        | 9.8700e-003   | 0.0000        | 326.1025        |
| <b>Total</b> | <b>0.2096</b> | <b>1.3628</b> | <b>1.6615</b> | <b>6.1300e-003</b> | <b>0.4612</b> | <b>6.0300e-003</b> | <b>0.4672</b> | <b>0.1239</b>  | <b>5.6800e-003</b> | <b>0.1296</b> | <b>0.0000</b> | <b>569.7381</b> | <b>569.7381</b> | <b>0.0243</b> | <b>0.0000</b> | <b>570.3444</b> |

**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     | 0.1112        | 1.0198        | 0.9697        | 1.5700e-003        |               | 0.0561        | 0.0561        |                | 0.0527        | 0.0527        | 0.0000        | 135.5077        | 135.5077        | 0.0327        | 0.0000        | 136.3250        |
| <b>Total</b> | <b>0.1112</b> | <b>1.0198</b> | <b>0.9697</b> | <b>1.5700e-003</b> |               | <b>0.0561</b> | <b>0.0561</b> |                | <b>0.0527</b> | <b>0.0527</b> | <b>0.0000</b> | <b>135.5077</b> | <b>135.5077</b> | <b>0.0327</b> | <b>0.0000</b> | <b>136.3250</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Annual

**3.6 Building Construction - 2021****Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O           | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category     | tons/yr       |               |               |                    |               |                    |               |                |                    |               | MT/yr         |                 |                 |               |               |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        | 0.0000        | 0.0000          | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| Vendor       | 0.0389        | 1.2140        | 0.3557        | 2.5200e-003        | 0.0579        | 3.4700e-003        | 0.0614        | 0.0167         | 3.3100e-003        | 0.0201        | 0.0000        | 243.8823        | 243.8823        | 0.0144        | 0.0000        | 244.2419        |
| Worker       | 0.1707        | 0.1488        | 1.3058        | 3.6100e-003        | 0.4032        | 2.5600e-003        | 0.4058        | 0.1072         | 2.3700e-003        | 0.1095        | 0.0000        | 325.8558        | 325.8558        | 9.8700e-003   | 0.0000        | 326.1025        |
| <b>Total</b> | <b>0.2096</b> | <b>1.3628</b> | <b>1.6615</b> | <b>6.1300e-003</b> | <b>0.4612</b> | <b>6.0300e-003</b> | <b>0.4672</b> | <b>0.1239</b>  | <b>5.6800e-003</b> | <b>0.1296</b> | <b>0.0000</b> | <b>569.7381</b> | <b>569.7381</b> | <b>0.0243</b> | <b>0.0000</b> | <b>570.3444</b> |

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

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O           | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category     | tons/yr       |               |               |                    |               |               |               |                |               |               | MT/yr         |                 |                 |               |               |                 |
| Off-Road     | 0.2218        | 2.0300        | 2.1272        | 3.5000e-003        |               | 0.1052        | 0.1052        |                | 0.0990        | 0.0990        | 0.0000        | 301.2428        | 301.2428        | 0.0722        | 0.0000        | 303.0471        |
| <b>Total</b> | <b>0.2218</b> | <b>2.0300</b> | <b>2.1272</b> | <b>3.5000e-003</b> |               | <b>0.1052</b> | <b>0.1052</b> |                | <b>0.0990</b> | <b>0.0990</b> | <b>0.0000</b> | <b>301.2428</b> | <b>301.2428</b> | <b>0.0722</b> | <b>0.0000</b> | <b>303.0471</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Annual

**3.6 Building Construction - 2022****Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O           | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|---------------|-------------------|
| Category     | tons/yr       |               |               |               |               |               |               |                |               |               | MT/yr         |                   |                   |               |               |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000            | 0.0000            | 0.0000        | 0.0000        | 0.0000            |
| Vendor       | 0.0799        | 2.5633        | 0.7297        | 5.5600e-003   | 0.1288        | 6.7700e-003   | 0.1356        | 0.0372         | 6.4800e-003   | 0.0437        | 0.0000        | 538.2689          | 538.2689          | 0.0316        | 0.0000        | 539.0580          |
| Worker       | 0.3562        | 0.2974        | 2.6582        | 7.7300e-003   | 0.8961        | 5.5400e-003   | 0.9016        | 0.2381         | 5.1100e-003   | 0.2432        | 0.0000        | 698.2408          | 698.2408          | 0.0197        | 0.0000        | 698.7321          |
| <b>Total</b> | <b>0.4361</b> | <b>2.8607</b> | <b>3.3879</b> | <b>0.0133</b> | <b>1.0249</b> | <b>0.0123</b> | <b>1.0372</b> | <b>0.2754</b>  | <b>0.0116</b> | <b>0.2869</b> | <b>0.0000</b> | <b>1,236.5097</b> | <b>1,236.5097</b> | <b>0.0512</b> | <b>0.0000</b> | <b>1,237.7901</b> |

**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     | 0.2218        | 2.0300        | 2.1272        | 3.5000e-003        |               | 0.1052        | 0.1052        |                | 0.0990        | 0.0990        | 0.0000        | 301.2425        | 301.2425        | 0.0722        | 0.0000        | 303.0467        |
| <b>Total</b> | <b>0.2218</b> | <b>2.0300</b> | <b>2.1272</b> | <b>3.5000e-003</b> |               | <b>0.1052</b> | <b>0.1052</b> |                | <b>0.0990</b> | <b>0.0990</b> | <b>0.0000</b> | <b>301.2425</b> | <b>301.2425</b> | <b>0.0722</b> | <b>0.0000</b> | <b>303.0467</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Annual

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

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O           | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|---------------|-------------------|
| Category     | tons/yr       |               |               |               |               |               |               |                |               |               | MT/yr         |                   |                   |               |               |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000            | 0.0000            | 0.0000        | 0.0000        | 0.0000            |
| Vendor       | 0.0799        | 2.5633        | 0.7297        | 5.5600e-003   | 0.1288        | 6.7700e-003   | 0.1356        | 0.0372         | 6.4800e-003   | 0.0437        | 0.0000        | 538.2689          | 538.2689          | 0.0316        | 0.0000        | 539.0580          |
| Worker       | 0.3562        | 0.2974        | 2.6582        | 7.7300e-003   | 0.8961        | 5.5400e-003   | 0.9016        | 0.2381         | 5.1100e-003   | 0.2432        | 0.0000        | 698.2408          | 698.2408          | 0.0197        | 0.0000        | 698.7321          |
| <b>Total</b> | <b>0.4361</b> | <b>2.8607</b> | <b>3.3879</b> | <b>0.0133</b> | <b>1.0249</b> | <b>0.0123</b> | <b>1.0372</b> | <b>0.2754</b>  | <b>0.0116</b> | <b>0.2869</b> | <b>0.0000</b> | <b>1,236.5097</b> | <b>1,236.5097</b> | <b>0.0512</b> | <b>0.0000</b> | <b>1,237.7901</b> |

**3.6 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     | 0.1140        | 1.0429        | 1.1777        | 1.9500e-003        |               | 0.0507        | 0.0507        |                | 0.0477        | 0.0477        | 0.0000        | 168.0584        | 168.0584        | 0.0400        | 0.0000        | 169.0579        |
| <b>Total</b> | <b>0.1140</b> | <b>1.0429</b> | <b>1.1777</b> | <b>1.9500e-003</b> |               | <b>0.0507</b> | <b>0.0507</b> |                | <b>0.0477</b> | <b>0.0477</b> | <b>0.0000</b> | <b>168.0584</b> | <b>168.0584</b> | <b>0.0400</b> | <b>0.0000</b> | <b>169.0579</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Annual

**3.6 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       | 0.0340        | 1.1787        | 0.3575        | 3.0500e-003        | 0.0718        | 1.7500e-003        | 0.0736        | 0.0208         | 1.6700e-003        | 0.0224        | 0.0000        | 295.2542        | 295.2542        | 0.0157        | 0.0000        | 295.6457        |
| Worker       | 0.1866        | 0.1491        | 1.3537        | 4.1500e-003        | 0.4997        | 3.0100e-003        | 0.5028        | 0.1328         | 2.7700e-003        | 0.1356        | 0.0000        | 374.7989        | 374.7989        | 9.7800e-003   | 0.0000        | 375.0435        |
| <b>Total</b> | <b>0.2207</b> | <b>1.3278</b> | <b>1.7113</b> | <b>7.2000e-003</b> | <b>0.5716</b> | <b>4.7600e-003</b> | <b>0.5763</b> | <b>0.1536</b>  | <b>4.4400e-003</b> | <b>0.1580</b> | <b>0.0000</b> | <b>670.0532</b> | <b>670.0532</b> | <b>0.0254</b> | <b>0.0000</b> | <b>670.6892</b> |

**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     | 0.1140        | 1.0429        | 1.1777        | 1.9500e-003        |               | 0.0507        | 0.0507        |                | 0.0477        | 0.0477        | 0.0000        | 168.0582        | 168.0582        | 0.0400        | 0.0000        | 169.0577        |
| <b>Total</b> | <b>0.1140</b> | <b>1.0429</b> | <b>1.1777</b> | <b>1.9500e-003</b> |               | <b>0.0507</b> | <b>0.0507</b> |                | <b>0.0477</b> | <b>0.0477</b> | <b>0.0000</b> | <b>168.0582</b> | <b>168.0582</b> | <b>0.0400</b> | <b>0.0000</b> | <b>169.0577</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Annual

**3.6 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       | 0.0340        | 1.1787        | 0.3575        | 3.0500e-003        | 0.0718        | 1.7500e-003        | 0.0736        | 0.0208         | 1.6700e-003        | 0.0224        | 0.0000        | 295.2542        | 295.2542        | 0.0157        | 0.0000        | 295.6457        |
| Worker       | 0.1866        | 0.1491        | 1.3537        | 4.1500e-003        | 0.4997        | 3.0100e-003        | 0.5028        | 0.1328         | 2.7700e-003        | 0.1356        | 0.0000        | 374.7989        | 374.7989        | 9.7800e-003   | 0.0000        | 375.0435        |
| <b>Total</b> | <b>0.2207</b> | <b>1.3278</b> | <b>1.7113</b> | <b>7.2000e-003</b> | <b>0.5716</b> | <b>4.7600e-003</b> | <b>0.5763</b> | <b>0.1536</b>  | <b>4.4400e-003</b> | <b>0.1580</b> | <b>0.0000</b> | <b>670.0532</b> | <b>670.0532</b> | <b>0.0254</b> | <b>0.0000</b> | <b>670.6892</b> |

**3.7 Architectural Coating - 2021****Unmitigated Construction On-Site**

|                 | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|-----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category        | tons/yr       |               |               |                    |               |                    |                    |                |                    |                    | MT/yr         |               |               |                    |               |               |
| Archit. Coating | 3.5933        |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Off-Road        | 5.5800e-003   | 0.0389        | 0.0464        | 8.0000e-005        |               | 2.4000e-003        | 2.4000e-003        |                | 2.4000e-003        | 2.4000e-003        | 0.0000        | 6.5108        | 6.5108        | 4.5000e-004        | 0.0000        | 6.5220        |
| <b>Total</b>    | <b>3.5989</b> | <b>0.0389</b> | <b>0.0464</b> | <b>8.0000e-005</b> |               | <b>2.4000e-003</b> | <b>2.4000e-003</b> |                | <b>2.4000e-003</b> | <b>2.4000e-003</b> | <b>0.0000</b> | <b>6.5108</b> | <b>6.5108</b> | <b>4.5000e-004</b> | <b>0.0000</b> | <b>6.5220</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Annual

**3.7 Architectural Coating - 2021****Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category     | tons/yr       |               |               |                    |               |                    |               |                    |                    |                    | MT/yr         |                |                |                    |               |                |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Worker       | 0.0149        | 0.0130        | 0.1137        | 3.1000e-004        | 0.0351        | 2.2000e-004        | 0.0353        | 9.3300e-003        | 2.1000e-004        | 9.5400e-003        | 0.0000        | 28.3683        | 28.3683        | 8.6000e-004        | 0.0000        | 28.3897        |
| <b>Total</b> | <b>0.0149</b> | <b>0.0130</b> | <b>0.1137</b> | <b>3.1000e-004</b> | <b>0.0351</b> | <b>2.2000e-004</b> | <b>0.0353</b> | <b>9.3300e-003</b> | <b>2.1000e-004</b> | <b>9.5400e-003</b> | <b>0.0000</b> | <b>28.3683</b> | <b>28.3683</b> | <b>8.6000e-004</b> | <b>0.0000</b> | <b>28.3897</b> |

**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 | 3.5933        |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Off-Road        | 5.5800e-003   | 0.0389        | 0.0464        | 8.0000e-005        |               | 2.4000e-003        | 2.4000e-003        |                | 2.4000e-003        | 2.4000e-003        | 0.0000        | 6.5108        | 6.5108        | 4.5000e-004        | 0.0000        | 6.5220        |
| <b>Total</b>    | <b>3.5989</b> | <b>0.0389</b> | <b>0.0464</b> | <b>8.0000e-005</b> |               | <b>2.4000e-003</b> | <b>2.4000e-003</b> |                | <b>2.4000e-003</b> | <b>2.4000e-003</b> | <b>0.0000</b> | <b>6.5108</b> | <b>6.5108</b> | <b>4.5000e-004</b> | <b>0.0000</b> | <b>6.5220</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Annual

**3.7 Architectural Coating - 2021****Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category     | tons/yr       |               |               |                    |               |                    |               |                    |                    |                    | MT/yr         |                |                |                    |               |                |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Worker       | 0.0149        | 0.0130        | 0.1137        | 3.1000e-004        | 0.0351        | 2.2000e-004        | 0.0353        | 9.3300e-003        | 2.1000e-004        | 9.5400e-003        | 0.0000        | 28.3683        | 28.3683        | 8.6000e-004        | 0.0000        | 28.3897        |
| <b>Total</b> | <b>0.0149</b> | <b>0.0130</b> | <b>0.1137</b> | <b>3.1000e-004</b> | <b>0.0351</b> | <b>2.2000e-004</b> | <b>0.0353</b> | <b>9.3300e-003</b> | <b>2.1000e-004</b> | <b>9.5400e-003</b> | <b>0.0000</b> | <b>28.3683</b> | <b>28.3683</b> | <b>8.6000e-004</b> | <b>0.0000</b> | <b>28.3897</b> |

**3.7 Architectural Coating - 2022****Unmitigated Construction On-Site**

|                 | ROG            | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category        | tons/yr        |               |               |                    |               |               |               |                |               |               | MT/yr         |                |                |                    |               |                |
| Archit. Coating | 18.3187        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Off-Road        | 0.0266         | 0.1831        | 0.2358        | 3.9000e-004        |               | 0.0106        | 0.0106        |                | 0.0106        | 0.0106        | 0.0000        | 33.1923        | 33.1923        | 2.1600e-003        | 0.0000        | 33.2463        |
| <b>Total</b>    | <b>18.3453</b> | <b>0.1831</b> | <b>0.2358</b> | <b>3.9000e-004</b> |               | <b>0.0106</b> | <b>0.0106</b> |                | <b>0.0106</b> | <b>0.0106</b> | <b>0.0000</b> | <b>33.1923</b> | <b>33.1923</b> | <b>2.1600e-003</b> | <b>0.0000</b> | <b>33.2463</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Annual

**3.7 Architectural Coating - 2022****Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4                | N2O           | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|-----------------|-----------------|--------------------|---------------|-----------------|
| Category     | tons/yr       |               |               |                    |               |                    |               |                |                    |               | MT/yr         |                 |                 |                    |               |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        | 0.0000        | 0.0000          | 0.0000          | 0.0000             | 0.0000        | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        | 0.0000        | 0.0000          | 0.0000          | 0.0000             | 0.0000        | 0.0000          |
| Worker       | 0.0711        | 0.0594        | 0.5309        | 1.5400e-003        | 0.1790        | 1.1100e-003        | 0.1801        | 0.0476         | 1.0200e-003        | 0.0486        | 0.0000        | 139.4531        | 139.4531        | 3.9200e-003        | 0.0000        | 139.5512        |
| <b>Total</b> | <b>0.0711</b> | <b>0.0594</b> | <b>0.5309</b> | <b>1.5400e-003</b> | <b>0.1790</b> | <b>1.1100e-003</b> | <b>0.1801</b> | <b>0.0476</b>  | <b>1.0200e-003</b> | <b>0.0486</b> | <b>0.0000</b> | <b>139.4531</b> | <b>139.4531</b> | <b>3.9200e-003</b> | <b>0.0000</b> | <b>139.5512</b> |

**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 | 18.3187        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Off-Road        | 0.0266         | 0.1831        | 0.2358        | 3.9000e-004        |               | 0.0106        | 0.0106        |                | 0.0106        | 0.0106        | 0.0000        | 33.1923        | 33.1923        | 2.1600e-003        | 0.0000        | 33.2463        |
| <b>Total</b>    | <b>18.3453</b> | <b>0.1831</b> | <b>0.2358</b> | <b>3.9000e-004</b> |               | <b>0.0106</b> | <b>0.0106</b> |                | <b>0.0106</b> | <b>0.0106</b> | <b>0.0000</b> | <b>33.1923</b> | <b>33.1923</b> | <b>2.1600e-003</b> | <b>0.0000</b> | <b>33.2463</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Annual

**3.7 Architectural Coating - 2022****Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4                | N2O           | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|-----------------|-----------------|--------------------|---------------|-----------------|
| Category     | tons/yr       |               |               |                    |               |                    |               |                |                    |               | MT/yr         |                 |                 |                    |               |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        | 0.0000        | 0.0000          | 0.0000          | 0.0000             | 0.0000        | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        | 0.0000        | 0.0000          | 0.0000          | 0.0000             | 0.0000        | 0.0000          |
| Worker       | 0.0711        | 0.0594        | 0.5309        | 1.5400e-003        | 0.1790        | 1.1100e-003        | 0.1801        | 0.0476         | 1.0200e-003        | 0.0486        | 0.0000        | 139.4531        | 139.4531        | 3.9200e-003        | 0.0000        | 139.5512        |
| <b>Total</b> | <b>0.0711</b> | <b>0.0594</b> | <b>0.5309</b> | <b>1.5400e-003</b> | <b>0.1790</b> | <b>1.1100e-003</b> | <b>0.1801</b> | <b>0.0476</b>  | <b>1.0200e-003</b> | <b>0.0486</b> | <b>0.0000</b> | <b>139.4531</b> | <b>139.4531</b> | <b>3.9200e-003</b> | <b>0.0000</b> | <b>139.5512</b> |

**3.7 Architectural Coating - 2023****Unmitigated Construction On-Site**

|                 | ROG            | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|-----------------|----------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category        | tons/yr        |               |               |                    |               |                    |                    |                |                    |                    | MT/yr         |                |                |                    |               |                |
| Archit. Coating | 10.2162        |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Off-Road        | 0.0139         | 0.0945        | 0.1313        | 2.2000e-004        |               | 5.1300e-003        | 5.1300e-003        |                | 5.1300e-003        | 5.1300e-003        | 0.0000        | 18.5111        | 18.5111        | 1.1100e-003        | 0.0000        | 18.5388        |
| <b>Total</b>    | <b>10.2301</b> | <b>0.0945</b> | <b>0.1313</b> | <b>2.2000e-004</b> |               | <b>5.1300e-003</b> | <b>5.1300e-003</b> |                | <b>5.1300e-003</b> | <b>5.1300e-003</b> | <b>0.0000</b> | <b>18.5111</b> | <b>18.5111</b> | <b>1.1100e-003</b> | <b>0.0000</b> | <b>18.5388</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Annual

**3.7 Architectural Coating - 2023****Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category     | tons/yr       |               |               |                    |               |                    |               |                |                    |               | MT/yr         |                |                |                    |               |                |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Worker       | 0.0373        | 0.0298        | 0.2704        | 8.3000e-004        | 0.0998        | 6.0000e-004        | 0.1004        | 0.0265         | 5.5000e-004        | 0.0271        | 0.0000        | 74.8551        | 74.8551        | 1.9500e-003        | 0.0000        | 74.9039        |
| <b>Total</b> | <b>0.0373</b> | <b>0.0298</b> | <b>0.2704</b> | <b>8.3000e-004</b> | <b>0.0998</b> | <b>6.0000e-004</b> | <b>0.1004</b> | <b>0.0265</b>  | <b>5.5000e-004</b> | <b>0.0271</b> | <b>0.0000</b> | <b>74.8551</b> | <b>74.8551</b> | <b>1.9500e-003</b> | <b>0.0000</b> | <b>74.9039</b> |

**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 | 10.2162        |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Off-Road        | 0.0139         | 0.0945        | 0.1313        | 2.2000e-004        |               | 5.1300e-003        | 5.1300e-003        |                | 5.1300e-003        | 5.1300e-003        | 0.0000        | 18.5111        | 18.5111        | 1.1100e-003        | 0.0000        | 18.5388        |
| <b>Total</b>    | <b>10.2301</b> | <b>0.0945</b> | <b>0.1313</b> | <b>2.2000e-004</b> |               | <b>5.1300e-003</b> | <b>5.1300e-003</b> |                | <b>5.1300e-003</b> | <b>5.1300e-003</b> | <b>0.0000</b> | <b>18.5111</b> | <b>18.5111</b> | <b>1.1100e-003</b> | <b>0.0000</b> | <b>18.5388</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Annual

**3.7 Architectural Coating - 2023****Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category     | tons/yr       |               |               |                    |               |                    |               |                |                    |               | MT/yr         |                |                |                    |               |                |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Worker       | 0.0373        | 0.0298        | 0.2704        | 8.3000e-004        | 0.0998        | 6.0000e-004        | 0.1004        | 0.0265         | 5.5000e-004        | 0.0271        | 0.0000        | 74.8551        | 74.8551        | 1.9500e-003        | 0.0000        | 74.9039        |
| <b>Total</b> | <b>0.0373</b> | <b>0.0298</b> | <b>0.2704</b> | <b>8.3000e-004</b> | <b>0.0998</b> | <b>6.0000e-004</b> | <b>0.1004</b> | <b>0.0265</b>  | <b>5.5000e-004</b> | <b>0.0271</b> | <b>0.0000</b> | <b>74.8551</b> | <b>74.8551</b> | <b>1.9500e-003</b> | <b>0.0000</b> | <b>74.9039</b> |

**4.0 Operational Detail - Mobile****4.1 Mitigation Measures Mobile**

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Annual

|             | ROG     | NOx    | CO      | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 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   | 2.3141  | 9.5265 | 27.4007 | 0.0901 | 8.9559        | 0.0805       | 9.0364     | 2.3965         | 0.0753        | 2.4717      | 0.0000   | 8,261.4818 | 8,261.4818 | 0.2932 | 0.0000 | 8,268.8127 |
| Unmitigated | 2.3141  | 9.5265 | 27.4007 | 0.0901 | 8.9559        | 0.0805       | 9.0364     | 2.3965         | 0.0753        | 2.4717      | 0.0000   | 8,261.4818 | 8,261.4818 | 0.2932 | 0.0000 | 8,268.8127 |

## 4.2 Trip Summary Information

| Land Use               | Average Daily Trip Rate |          |          | Unmitigated | Mitigated  |
|------------------------|-------------------------|----------|----------|-------------|------------|
|                        | Weekday                 | Saturday | Sunday   | Annual VMT  | Annual VMT |
| Apartments Low Rise    | 1,156.62                | 1,589.52 | 1347.54  | 3,166,112   | 3,166,112  |
| General Light Industry | 2,677.50                | 990.00   | 510.00   | 7,019,141   | 7,019,141  |
| Single Family Housing  | 5,057.64                | 6,629.79 | 5766.78  | 13,682,571  | 13,682,571 |
| Total                  | 8,891.76                | 9,209.31 | 7,624.32 | 23,867,824  | 23,867,824 |

## 4.3 Trip Type Information

| Land Use               | Miles      |            |             | Trip %     |            |             | Trip Purpose % |          |         |
|------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
|                        | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary        | Diverted | Pass-by |
| Apartments Low Rise    | 13.00      | 5.00       | 5.00        | 35.80      | 21.00      | 43.20       | 86             | 11       | 3       |
| General Light Industry | 13.00      | 5.00       | 5.00        | 59.00      | 28.00      | 13.00       | 92             | 5        | 3       |
| Single Family Housing  | 13.00      | 5.00       | 5.00        | 35.80      | 21.00      | 43.20       | 86             | 11       | 3       |

## 4.4 Fleet Mix

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Annual

| Land Use               | LDA      | LDT1     | LDT2     | MDV      | LHD1     | LHD2     | MHD      | HHD      | OBUS     | UBUS     | MCY      | SBUS     | MH       |
|------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Apartments Low Rise    | 0.588806 | 0.027737 | 0.198305 | 0.114471 | 0.022249 | 0.005748 | 0.012759 | 0.019721 | 0.002316 | 0.001163 | 0.004776 | 0.000758 | 0.001192 |
| General Light Industry | 0.588806 | 0.027737 | 0.198305 | 0.114471 | 0.022249 | 0.005748 | 0.012759 | 0.019721 | 0.002316 | 0.001163 | 0.004776 | 0.000758 | 0.001192 |
| Single Family Housing  | 0.588806 | 0.027737 | 0.198305 | 0.114471 | 0.022249 | 0.005748 | 0.012759 | 0.019721 | 0.002316 | 0.001163 | 0.004776 | 0.000758 | 0.001192 |

## 5.0 Energy Detail

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

|                         | ROG     | NOx    | CO     | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 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   | 2,524.0763 | 2,524.0763 | 0.1128 | 0.0226 | 2,533.6209 |
| Electricity Unmitigated |         |        |        |        |               | 0.0000       | 0.0000     |                | 0.0000        | 0.0000      | 0.0000   | 2,551.8200 | 2,551.8200 | 0.1141 | 0.0228 | 2,561.4695 |
| NaturalGas Mitigated    | 0.2237  | 1.9702 | 1.2403 | 0.0122 |               | 0.1546       | 0.1546     |                | 0.1546        | 0.1546      | 0.0000   | 2,214.2613 | 2,214.2613 | 0.0424 | 0.0406 | 2,227.4196 |
| NaturalGas Unmitigated  | 0.2237  | 1.9702 | 1.2403 | 0.0122 |               | 0.1546       | 0.1546     |                | 0.1546        | 0.1546      | 0.0000   | 2,214.2613 | 2,214.2613 | 0.0424 | 0.0406 | 2,227.4196 |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Annual

**5.2 Energy by Land Use - NaturalGas****Unmitigated**

|                        | NaturalGas Use | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O           | CO2e              |
|------------------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|---------------|-------------------|
| Land Use               | kBTU/yr        | tons/yr       |               |               |               |               |               |               |                |               |               | MT/yr         |                   |                   |               |               |                   |
| Apartments Low Rise    | 2.26414e+006   | 0.0122        | 0.1043        | 0.0444        | 6.7000e-004   |               | 8.4400e-003   | 8.4400e-003   |                | 8.4400e-003   | 8.4400e-003   | 0.0000        | 120.8234          | 120.8234          | 2.3200e-003   | 2.2200e-003   | 121.5414          |
| General Light Industry | 1.9785e+007    | 0.1067        | 0.9699        | 0.8147        | 5.8200e-003   |               | 0.0737        | 0.0737        |                | 0.0737        | 0.0737        | 0.0000        | 1,055.8030        | 1,055.8030        | 0.0202        | 0.0194        | 1,062.0771        |
| Single Family Housing  | 1.94445e+007   | 0.1049        | 0.8960        | 0.3813        | 5.7200e-003   |               | 0.0724        | 0.0724        |                | 0.0724        | 0.0724        | 0.0000        | 1,037.6350        | 1,037.6350        | 0.0199        | 0.0190        | 1,043.8011        |
| <b>Total</b>           |                | <b>0.2237</b> | <b>1.9702</b> | <b>1.2403</b> | <b>0.0122</b> |               | <b>0.1546</b> | <b>0.1546</b> |                | <b>0.1546</b> | <b>0.1546</b> | <b>0.0000</b> | <b>2,214.2613</b> | <b>2,214.2613</b> | <b>0.0425</b> | <b>0.0406</b> | <b>2,227.4196</b> |

**Mitigated**

|                        | NaturalGas Use | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O           | CO2e              |
|------------------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|---------------|-------------------|
| Land Use               | kBTU/yr        | tons/yr       |               |               |               |               |               |               |                |               |               | MT/yr         |                   |                   |               |               |                   |
| Apartments Low Rise    | 2.26414e+006   | 0.0122        | 0.1043        | 0.0444        | 6.7000e-004   |               | 8.4400e-003   | 8.4400e-003   |                | 8.4400e-003   | 8.4400e-003   | 0.0000        | 120.8234          | 120.8234          | 2.3200e-003   | 2.2200e-003   | 121.5414          |
| General Light Industry | 1.9785e+007    | 0.1067        | 0.9699        | 0.8147        | 5.8200e-003   |               | 0.0737        | 0.0737        |                | 0.0737        | 0.0737        | 0.0000        | 1,055.8030        | 1,055.8030        | 0.0202        | 0.0194        | 1,062.0771        |
| Single Family Housing  | 1.94445e+007   | 0.1049        | 0.8960        | 0.3813        | 5.7200e-003   |               | 0.0724        | 0.0724        |                | 0.0724        | 0.0724        | 0.0000        | 1,037.6350        | 1,037.6350        | 0.0199        | 0.0190        | 1,043.8011        |
| <b>Total</b>           |                | <b>0.2237</b> | <b>1.9702</b> | <b>1.2403</b> | <b>0.0122</b> |               | <b>0.1546</b> | <b>0.1546</b> |                | <b>0.1546</b> | <b>0.1546</b> | <b>0.0000</b> | <b>2,214.2613</b> | <b>2,214.2613</b> | <b>0.0425</b> | <b>0.0406</b> | <b>2,227.4196</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Annual

**5.3 Energy by Land Use - Electricity****Unmitigated**

|                        | Electricity Use | Total CO2         | CH4           | N2O           | CO2e              |
|------------------------|-----------------|-------------------|---------------|---------------|-------------------|
| Land Use               | kWh/yr          | MT/yr             |               |               |                   |
| Apartments Low Rise    | 965434          | 195.9443          | 8.7600e-003   | 1.7500e-003   | 196.6853          |
| General Light Industry | 6.195e+006      | 1,257.3366        | 0.0562        | 0.0112        | 1,262.0912        |
| Single Family Housing  | 5.41259e+006    | 1,098.5390        | 0.0491        | 9.8200e-003   | 1,102.6931        |
| <b>Total</b>           |                 | <b>2,551.8200</b> | <b>0.1141</b> | <b>0.0228</b> | <b>2,561.4695</b> |

**Mitigated**

|                        | Electricity Use | Total CO2         | CH4           | N2O           | CO2e              |
|------------------------|-----------------|-------------------|---------------|---------------|-------------------|
| Land Use               | kWh/yr          | MT/yr             |               |               |                   |
| Apartments Low Rise    | 941205          | 191.0268          | 8.5400e-003   | 1.7100e-003   | 191.7491          |
| General Light Industry | 6.195e+006      | 1,257.3366        | 0.0562        | 0.0112        | 1,262.0912        |
| Single Family Housing  | 5.30013e+006    | 1,075.7129        | 0.0481        | 9.6200e-003   | 1,079.7806        |
| <b>Total</b>           |                 | <b>2,524.0763</b> | <b>0.1128</b> | <b>0.0226</b> | <b>2,533.6209</b> |

**6.0 Area Detail**

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Annual

**6.1 Mitigation Measures Area**

|             | ROG     | NOx    | CO      | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4    | N2O    | CO2e    |
|-------------|---------|--------|---------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|---------|
| Category    | tons/yr |        |         |             |               |              |            |                |               |             | MT/yr    |           |           |        |        |         |
| Mitigated   | 10.1049 | 0.1398 | 12.1364 | 6.4000e-004 |               | 0.0672       | 0.0672     |                | 0.0672        | 0.0672      | 0.0000   | 19.8370   | 19.8370   | 0.0191 | 0.0000 | 20.3138 |
| Unmitigated | 10.1049 | 0.1398 | 12.1364 | 6.4000e-004 |               | 0.0672       | 0.0672     |                | 0.0672        | 0.0672      | 0.0000   | 19.8370   | 19.8370   | 0.0191 | 0.0000 | 20.3138 |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Annual

**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 | 1.2400         |               |                |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000         | 0.0000        | 0.0000        | 0.0000         |
| Consumer Products     | 8.4992         |               |                |                    |               | 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           | 0.3657         | 0.1398        | 12.1364        | 6.4000e-004        |               | 0.0672        | 0.0672        |                | 0.0672        | 0.0672        | 0.0000        | 19.8370        | 19.8370        | 0.0191        | 0.0000        | 20.3138        |
| <b>Total</b>          | <b>10.1049</b> | <b>0.1398</b> | <b>12.1364</b> | <b>6.4000e-004</b> |               | <b>0.0672</b> | <b>0.0672</b> |                | <b>0.0672</b> | <b>0.0672</b> | <b>0.0000</b> | <b>19.8370</b> | <b>19.8370</b> | <b>0.0191</b> | <b>0.0000</b> | <b>20.3138</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Annual

**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 | 1.2400         |               |                |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000         | 0.0000        | 0.0000        | 0.0000         |
| Consumer Products     | 8.4992         |               |                |                    |               | 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           | 0.3657         | 0.1398        | 12.1364        | 6.4000e-004        |               | 0.0672        | 0.0672        |                | 0.0672        | 0.0672        | 0.0000        | 19.8370        | 19.8370        | 0.0191        | 0.0000        | 20.3138        |
| <b>Total</b>          | <b>10.1049</b> | <b>0.1398</b> | <b>12.1364</b> | <b>6.4000e-004</b> |               | <b>0.0672</b> | <b>0.0672</b> |                | <b>0.0672</b> | <b>0.0672</b> | <b>0.0000</b> | <b>19.8370</b> | <b>19.8370</b> | <b>0.0191</b> | <b>0.0000</b> | <b>20.3138</b> |

**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

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Annual

|             | Total CO2 | CH4    | N2O    | CO2e     |
|-------------|-----------|--------|--------|----------|
| Category    | MT/yr     |        |        |          |
| Mitigated   | 293.3137  | 1.7230 | 0.1445 | 379.4566 |
| Unmitigated | 362.1250  | 2.1535 | 0.1806 | 469.7865 |

## 7.2 Water by Land Use

Unmitigated

|                        | Indoor/Outdoor Use | Total CO2       | CH4           | N2O           | CO2e            |
|------------------------|--------------------|-----------------|---------------|---------------|-----------------|
| Land Use               | Mgal               | MT/yr           |               |               |                 |
| Apartments Low Rise    | 14.4642 / 9.11873  | 27.4798         | 0.1348        | 0.0113        | 34.2252         |
| General Light Industry | 173.438 / 0        | 251.8343        | 1.6126        | 0.1352        | 332.4232        |
| Single Family Housing  | 43.588 / 27.4794   | 82.8109         | 0.4062        | 0.0341        | 103.1382        |
| <b>Total</b>           |                    | <b>362.1250</b> | <b>2.1535</b> | <b>0.1806</b> | <b>469.7865</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Annual

**7.2 Water by Land Use****Mitigated**

|                        | Indoor/Outdoor Use | Total CO2       | CH4           | N2O           | CO2e            |
|------------------------|--------------------|-----------------|---------------|---------------|-----------------|
| Land Use               | Mgal               | MT/yr           |               |               |                 |
| Apartments Low Rise    | 11.5714 / 8.56249  | 22.8843         | 0.1079        | 9.0700e-003   | 28.2840         |
| General Light Industry | 138.75 / 0         | 201.4674        | 1.2901        | 0.1081        | 265.9385        |
| Single Family Housing  | 34.8704 / 25.8032  | 68.9620         | 0.3250        | 0.0273        | 85.2341         |
| <b>Total</b>           |                    | <b>293.3137</b> | <b>1.7230</b> | <b>0.1445</b> | <b>379.4566</b> |

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Annual

**Category/Year**

|             | Total CO2 | CH4     | N2O    | CO2e     |
|-------------|-----------|---------|--------|----------|
|             | MT/yr     |         |        |          |
| Mitigated   | 184.3615  | 10.8955 | 0.0000 | 456.7477 |
| Unmitigated | 368.7229  | 21.7909 | 0.0000 | 913.4955 |

**8.2 Waste by Land Use****Unmitigated**

|                        | Waste Disposed | Total CO2       | CH4            | N2O           | CO2e            |
|------------------------|----------------|-----------------|----------------|---------------|-----------------|
| Land Use               | tons           | MT/yr           |                |               |                 |
| Apartments Low Rise    | 102.12         | 20.7294         | 1.2251         | 0.0000        | 51.3563         |
| General Light Industry | 930            | 188.7816        | 11.1567        | 0.0000        | 467.6984        |
| Single Family Housing  | 784.33         | 159.2119        | 9.4092         | 0.0000        | 394.4408        |
| <b>Total</b>           |                | <b>368.7229</b> | <b>21.7909</b> | <b>0.0000</b> | <b>913.4955</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Annual

**8.2 Waste by Land Use****Mitigated**

|                        | Waste Disposed | Total CO2       | CH4            | N2O           | CO2e            |
|------------------------|----------------|-----------------|----------------|---------------|-----------------|
| Land Use               | tons           | MT/yr           |                |               |                 |
| Apartments Low Rise    | 51.06          | 10.3647         | 0.6125         | 0.0000        | 25.6782         |
| General Light Industry | 465            | 94.3908         | 5.5783         | 0.0000        | 233.8492        |
| Single Family Housing  | 392.165        | 79.6060         | 4.7046         | 0.0000        | 197.2204        |
| <b>Total</b>           |                | <b>184.3615</b> | <b>10.8955</b> | <b>0.0000</b> | <b>456.7477</b> |

**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 |
|----------------|--------|
|----------------|--------|

OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Annual

## **11.0 Vegetation**

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## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Winter

**OCSP Alternative 1 - 2024**  
**San Luis Obispo County APCD Air District, Winter****1.0 Project Characteristics****1.1 Land Usage**

| Land Uses              | Size   | Metric        | Lot Acreage | Floor Surface Area | Population |
|------------------------|--------|---------------|-------------|--------------------|------------|
| General Light Industry | 750.00 | 1000sqft      | 86.00       | 750,000.00         | 0          |
| Apartments Low Rise    | 222.00 | Dwelling Unit | 13.88       | 222,000.00         | 604        |
| Single Family Housing  | 669.00 | Dwelling Unit | 257.82      | 1,204,200.00       | 1820       |

**1.2 Other Project Characteristics**

|                         |                                |                         |      |                           |       |
|-------------------------|--------------------------------|-------------------------|------|---------------------------|-------|
| Urbanization            | Urban                          | Wind Speed (m/s)        | 3.2  | Precipitation Freq (Days) | 44    |
| Climate Zone            | 4                              |                         |      | Operational Year          | 2024  |
| Utility Company         | Pacific Gas & Electric Company |                         |      |                           |       |
| CO2 Intensity (lb/MWhr) | 447.45                         | CH4 Intensity (lb/MWhr) | 0.02 | N2O Intensity (lb/MWhr)   | 0.004 |

**1.3 User Entered Comments & Non-Default Data**

OCSF Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Winter

Project Characteristics - Adjusted to match Ambient AQ GHG Study.

Land Use - Adjusted to match Plan Area. Used City's household rate of 2.72 persons per household.

Construction Phase - Operational emissions only.

Vehicle Trips - SFR and MFR adjusted to match Ambient AQ GHG Study and industrial to match traffic estimates for Alt 1.

Area Coating - Adjusted to match Ambient AQ GHG study.

Energy Use -

Water And Wastewater - Adjusted to match Ambient AQ GHG Study.

Waste Mitigation - Adjusted to match Ambient's AQ GHG Study.

Water Mitigation -

Energy Mitigation -

## OCSF Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Winter

| Table Name                | Column Name                     | Default Value | New Value |
|---------------------------|---------------------------------|---------------|-----------|
| tblAreaCoating            | Area_EF_Nonresidential_Exterior | 250           | 100       |
| tblAreaCoating            | Area_EF_Nonresidential_Interior | 250           | 100       |
| tblAreaCoating            | Area_EF_Residential_Exterior    | 250           | 100       |
| tblAreaCoating            | Area_EF_Residential_Interior    | 250           | 100       |
| tblLandUse                | LotAcreage                      | 17.22         | 86.00     |
| tblLandUse                | LotAcreage                      | 217.21        | 257.82    |
| tblLandUse                | Population                      | 635.00        | 604.00    |
| tblLandUse                | Population                      | 1,913.00      | 1,820.00  |
| tblProjectCharacteristics | CH4IntensityFactor              | 0.029         | 0.02      |
| tblProjectCharacteristics | CO2IntensityFactor              | 641.35        | 447.45    |
| tblProjectCharacteristics | N2OIntensityFactor              | 0.006         | 0.004     |
| tblVehicleTrips           | WD_TR                           | 6.59          | 5.21      |
| tblVehicleTrips           | WD_TR                           | 6.97          | 3.57      |
| tblVehicleTrips           | WD_TR                           | 9.52          | 7.56      |
| tblWater                  | AerobicPercent                  | 87.46         | 97.79     |
| tblWater                  | AerobicPercent                  | 87.46         | 97.79     |
| tblWater                  | AerobicPercent                  | 87.46         | 97.79     |
| tblWater                  | SepticTankPercent               | 10.33         | 0.00      |
| tblWater                  | SepticTankPercent               | 10.33         | 0.00      |
| tblWater                  | SepticTankPercent               | 10.33         | 0.00      |

## 2.0 Emissions Summary

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## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Winter

**2.1 Overall Construction (Maximum Daily Emission)****Unmitigated Construction**

|         | ROG      | NOx     | CO      | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2   | Total CO2   | CH4    | N2O    | CO2e        |
|---------|----------|---------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-------------|-------------|--------|--------|-------------|
| Year    | lb/day   |         |         |        |               |              |            |                |               |             | lb/day   |             |             |        |        |             |
| 2020    | 4.1642   | 42.4902 | 22.2712 | 0.0401 | 18.2442       | 2.1986       | 20.4428    | 9.9779         | 2.0227        | 12.0006     | 0.0000   | 3,879.7990  | 3,879.7990  | 1.1971 | 0.0000 | 3,906.3569  |
| 2021    | 148.9529 | 59.4456 | 66.8196 | 0.1697 | 18.2442       | 2.6652       | 20.2898    | 9.9779         | 2.4520        | 11.8598     | 0.0000   | 16,989.0657 | 16,989.0657 | 2.6657 | 0.0000 | 17,035.4668 |
| 2022    | 148.3023 | 50.4472 | 63.7325 | 0.1667 | 9.6528        | 1.5646       | 11.2174    | 2.5832         | 1.4649        | 4.0481      | 0.0000   | 16,692.7382 | 16,692.7382 | 1.8242 | 0.0000 | 16,738.3427 |
| 2023    | 147.7162 | 44.4951 | 60.6627 | 0.1632 | 9.6530        | 1.3562       | 11.0092    | 2.5833         | 1.2691        | 3.8523      | 0.0000   | 16,349.4761 | 16,349.4761 | 1.7653 | 0.0000 | 16,393.6076 |
| Maximum | 148.9529 | 59.4456 | 66.8196 | 0.1697 | 18.2442       | 2.6652       | 20.4428    | 9.9779         | 2.4520        | 12.0006     | 0.0000   | 16,989.0657 | 16,989.0657 | 2.6657 | 0.0000 | 17,035.4668 |

OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Winter

## 2.1 Overall Construction (Maximum Daily Emission)

### 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   |             |             |        |        |             |
| 2020    | 4.1642   | 42.4902 | 22.2712 | 0.0401 | 18.2442       | 2.1986       | 20.4428    | 9.9779         | 2.0227        | 12.0006     | 0.0000   | 3,879.7990  | 3,879.7990  | 1.1971 | 0.0000 | 3,906.3569  |
| 2021    | 148.9529 | 59.4456 | 66.8196 | 0.1697 | 18.2442       | 2.6652       | 20.2898    | 9.9779         | 2.4520        | 11.8598     | 0.0000   | 16,989.0657 | 16,989.0657 | 2.6657 | 0.0000 | 17,035.4668 |
| 2022    | 148.3023 | 50.4472 | 63.7325 | 0.1667 | 9.6528        | 1.5646       | 11.2174    | 2.5832         | 1.4649        | 4.0481      | 0.0000   | 16,692.7382 | 16,692.7382 | 1.8242 | 0.0000 | 16,738.3427 |
| 2023    | 147.7162 | 44.4951 | 60.6627 | 0.1632 | 9.6530        | 1.3562       | 11.0092    | 2.5833         | 1.2691        | 3.8523      | 0.0000   | 16,349.4761 | 16,349.4761 | 1.7653 | 0.0000 | 16,393.6075 |
| Maximum | 148.9529 | 59.4456 | 66.8196 | 0.1697 | 18.2442       | 2.6652       | 20.4428    | 9.9779         | 2.4520        | 12.0006     | 0.0000   | 16,989.0657 | 16,989.0657 | 2.6657 | 0.0000 | 17,035.4668 |

[illegible]

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Winter

**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         | 55.5818        | 0.8473         | 73.5542         | 3.8900e-003   |                | 0.4075        | 0.4075         |                | 0.4075        | 0.4075         | 0.0000        | 132.5242           | 132.5242           | 0.1274        | 0.0000        | 135.7099           |
| Energy       | 1.2260         | 10.7954        | 6.7964          | 0.0669        |                | 0.8470        | 0.8470         |                | 0.8470        | 0.8470         |               | 13,374.2756        | 13,374.2756        | 0.2563        | 0.2452        | 13,453.7522        |
| Mobile       | 16.1323        | 65.1063        | 190.4221        | 0.6123        | 62.9138        | 0.5530        | 63.4668        | 16.7988        | 0.5169        | 17.3158        |               | 61,853.0516        | 61,853.0516        | 2.2348        |               | 61,908.9220        |
| <b>Total</b> | <b>72.9401</b> | <b>76.7490</b> | <b>270.7726</b> | <b>0.6831</b> | <b>62.9138</b> | <b>1.8076</b> | <b>64.7214</b> | <b>16.7988</b> | <b>1.7715</b> | <b>18.5703</b> | <b>0.0000</b> | <b>75,359.8514</b> | <b>75,359.8514</b> | <b>2.6186</b> | <b>0.2452</b> | <b>75,498.3841</b> |

**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         | 55.5818        | 0.8473         | 73.5542         | 3.8900e-003   |                | 0.4075        | 0.4075         |                | 0.4075        | 0.4075         | 0.0000        | 132.5242           | 132.5242           | 0.1274        | 0.0000        | 135.7099           |
| Energy       | 1.2260         | 10.7954        | 6.7964          | 0.0669        |                | 0.8470        | 0.8470         |                | 0.8470        | 0.8470         |               | 13,374.2756        | 13,374.2756        | 0.2563        | 0.2452        | 13,453.7522        |
| Mobile       | 16.1323        | 65.1063        | 190.4221        | 0.6123        | 62.9138        | 0.5530        | 63.4668        | 16.7988        | 0.5169        | 17.3158        |               | 61,853.0516        | 61,853.0516        | 2.2348        |               | 61,908.9220        |
| <b>Total</b> | <b>72.9401</b> | <b>76.7490</b> | <b>270.7726</b> | <b>0.6831</b> | <b>62.9138</b> | <b>1.8076</b> | <b>64.7214</b> | <b>16.7988</b> | <b>1.7715</b> | <b>18.5703</b> | <b>0.0000</b> | <b>75,359.8514</b> | <b>75,359.8514</b> | <b>2.6186</b> | <b>0.2452</b> | <b>75,498.3841</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00          | 0.00         | 0.00       | 0.00           | 0.00          | 0.00        | 0.00     | 0.00     | 0.00      | 0.00 | 0.00 | 0.00 |

### 3.0 Construction Detail

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#### Construction Phase

| Phase Number | Phase Name            | Phase Type            | Start Date | End Date   | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1            | Demolition            | Demolition            | 9/20/2020  | 10/19/2020 | 5             | 400      |                   |
| 2            | Site Preparation      | Site Preparation      | 10/20/2020 | 1/20/2021  | 5             | 240      |                   |
| 3            | Grading               | Grading               | 1/21/2021  | 7/21/2021  | 5             | 620      |                   |
| 4            | Paving                | Paving                | 4/24/2021  | 7/21/2023  | 5             | 440      |                   |
| 5            | Building Construction | Building Construction | 7/22/2021  | 7/21/2023  | 5             | 6200     |                   |
| 6            | Architectural Coating | Architectural Coating | 10/22/2021 | 7/21/2023  | 5             | 440      |                   |

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 1550**

**Acres of Paving: 0**

**Residential Indoor: 2,888,055; Residential Outdoor: 962,685; Non-Residential Indoor: 1,125,000; Non-Residential Outdoor: 375,000; Striped Parking Area: 0 (Architectural Coating – sqft)**

#### OffRoad Equipment

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Winter

| Phase Name            | Offroad Equipment Type    | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Demolition            | Concrete/Industrial Saws  | 1      | 8.00        | 81          | 0.73        |
| Demolition            | Excavators                | 3      | 8.00        | 158         | 0.38        |
| Demolition            | Rubber Tired Dozers       | 2      | 8.00        | 247         | 0.40        |
| Site Preparation      | Rubber Tired Dozers       | 3      | 8.00        | 247         | 0.40        |
| Site Preparation      | Tractors/Loaders/Backhoes | 4      | 8.00        | 97          | 0.37        |
| Grading               | Excavators                | 2      | 8.00        | 158         | 0.38        |
| Grading               | Graders                   | 1      | 8.00        | 187         | 0.41        |
| Grading               | Rubber Tired Dozers       | 1      | 8.00        | 247         | 0.40        |
| Grading               | Scrapers                  | 2      | 8.00        | 367         | 0.48        |
| Grading               | Tractors/Loaders/Backhoes | 2      | 8.00        | 97          | 0.37        |
| Paving                | Pavers                    | 2      | 8.00        | 130         | 0.42        |
| Paving                | Paving Equipment          | 2      | 8.00        | 132         | 0.36        |
| Paving                | Rollers                   | 2      | 8.00        | 80          | 0.38        |
| Building Construction | Cranes                    | 1      | 7.00        | 231         | 0.29        |
| Building Construction | Forklifts                 | 3      | 8.00        | 89          | 0.20        |
| Building Construction | Generator Sets            | 1      | 8.00        | 84          | 0.74        |
| Building Construction | Tractors/Loaders/Backhoes | 3      | 7.00        | 97          | 0.37        |
| Building Construction | Welders                   | 1      | 8.00        | 46          | 0.45        |
| Architectural Coating | Air Compressors           | 1      | 6.00        | 78          | 0.48        |

Trips and VMT

## OCSF Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Winter

| 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            | 6                       | 15.00              | 0.00               | 0.00                | 13.00              | 5.00               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Site Preparation      | 7                       | 18.00              | 0.00               | 0.00                | 13.00              | 5.00               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Grading               | 8                       | 20.00              | 0.00               | 0.00                | 13.00              | 5.00               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Paving                | 6                       | 15.00              | 0.00               | 0.00                | 13.00              | 5.00               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Building Construction | 9                       | 716.00             | 218.00             | 0.00                | 13.00              | 5.00               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Architectural Coating | 1                       | 143.00             | 0.00               | 0.00                | 13.00              | 5.00               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |

## 3.1 Mitigation Measures Construction

## 3.2 Demolition - 2020

Unmitigated Construction On-Site

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Off-Road     | 3.3121        | 33.2010        | 21.7532        | 0.0388        |               | 1.6587        | 1.6587        |                | 1.5419        | 1.5419        |          | 3,747.7049        | 3,747.7049        | 1.0580        |     | 3,774.1536        |
| <b>Total</b> | <b>3.3121</b> | <b>33.2010</b> | <b>21.7532</b> | <b>0.0388</b> |               | <b>1.6587</b> | <b>1.6587</b> |                | <b>1.5419</b> | <b>1.5419</b> |          | <b>3,747.7049</b> | <b>3,747.7049</b> | <b>1.0580</b> |     | <b>3,774.1536</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Winter

**3.2 Demolition - 2020****Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0731        | 0.0607        | 0.5180        | 1.3300e-003        | 0.1483        | 9.5000e-004        | 0.1492        | 0.0393         | 8.8000e-004        | 0.0402        |          | 132.0941        | 132.0941        | 4.3700e-003        |     | 132.2033        |
| <b>Total</b> | <b>0.0731</b> | <b>0.0607</b> | <b>0.5180</b> | <b>1.3300e-003</b> | <b>0.1483</b> | <b>9.5000e-004</b> | <b>0.1492</b> | <b>0.0393</b>  | <b>8.8000e-004</b> | <b>0.0402</b> |          | <b>132.0941</b> | <b>132.0941</b> | <b>4.3700e-003</b> |     | <b>132.2033</b> |

**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     | 3.3121        | 33.2010        | 21.7532        | 0.0388        |               | 1.6587        | 1.6587        |                | 1.5419        | 1.5419        | 0.0000        | 3,747.7049        | 3,747.7049        | 1.0580        |     | 3,774.1536        |
| <b>Total</b> | <b>3.3121</b> | <b>33.2010</b> | <b>21.7532</b> | <b>0.0388</b> |               | <b>1.6587</b> | <b>1.6587</b> |                | <b>1.5419</b> | <b>1.5419</b> | <b>0.0000</b> | <b>3,747.7049</b> | <b>3,747.7049</b> | <b>1.0580</b> |     | <b>3,774.1536</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Winter

**3.2 Demolition - 2020****Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0731        | 0.0607        | 0.5180        | 1.3300e-003        | 0.1483        | 9.5000e-004        | 0.1492        | 0.0393         | 8.8000e-004        | 0.0402        |          | 132.0941        | 132.0941        | 4.3700e-003        |     | 132.2033        |
| <b>Total</b> | <b>0.0731</b> | <b>0.0607</b> | <b>0.5180</b> | <b>1.3300e-003</b> | <b>0.1483</b> | <b>9.5000e-004</b> | <b>0.1492</b> | <b>0.0393</b>  | <b>8.8000e-004</b> | <b>0.0402</b> |          | <b>132.0941</b> | <b>132.0941</b> | <b>4.3700e-003</b> |     | <b>132.2033</b> |

**3.3 Site Preparation - 2020****Unmitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10  | Exhaust PM10  | PM10 Total     | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total    | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|----------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |                |               |                |                |               |                | lb/day   |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 18.0663        | 0.0000        | 18.0663        | 9.9307         | 0.0000        | 9.9307         |          |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 4.0765        | 42.4173        | 21.5136        | 0.0380        |                | 2.1974        | 2.1974         |                | 2.0216        | 2.0216         |          | 3,685.1016        | 3,685.1016        | 1.1918        |     | 3,714.8975        |
| <b>Total</b>  | <b>4.0765</b> | <b>42.4173</b> | <b>21.5136</b> | <b>0.0380</b> | <b>18.0663</b> | <b>2.1974</b> | <b>20.2637</b> | <b>9.9307</b>  | <b>2.0216</b> | <b>11.9523</b> |          | <b>3,685.1016</b> | <b>3,685.1016</b> | <b>1.1918</b> |     | <b>3,714.8975</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Winter

**3.3 Site Preparation - 2020****Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0878        | 0.0729        | 0.6216        | 1.5900e-003        | 0.1780        | 1.1400e-003        | 0.1791        | 0.0472         | 1.0500e-003        | 0.0483        |          | 158.5129        | 158.5129        | 5.2400e-003        |     | 158.6439        |
| <b>Total</b> | <b>0.0878</b> | <b>0.0729</b> | <b>0.6216</b> | <b>1.5900e-003</b> | <b>0.1780</b> | <b>1.1400e-003</b> | <b>0.1791</b> | <b>0.0472</b>  | <b>1.0500e-003</b> | <b>0.0483</b> |          | <b>158.5129</b> | <b>158.5129</b> | <b>5.2400e-003</b> |     | <b>158.6439</b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10  | Exhaust PM10  | PM10 Total     | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total    | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|----------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |                |               |                |                |               |                | lb/day        |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 18.0663        | 0.0000        | 18.0663        | 9.9307         | 0.0000        | 9.9307         |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 4.0765        | 42.4173        | 21.5136        | 0.0380        |                | 2.1974        | 2.1974         |                | 2.0216        | 2.0216         | 0.0000        | 3,685.1016        | 3,685.1016        | 1.1918        |     | 3,714.8975        |
| <b>Total</b>  | <b>4.0765</b> | <b>42.4173</b> | <b>21.5136</b> | <b>0.0380</b> | <b>18.0663</b> | <b>2.1974</b> | <b>20.2637</b> | <b>9.9307</b>  | <b>2.0216</b> | <b>11.9523</b> | <b>0.0000</b> | <b>3,685.1016</b> | <b>3,685.1016</b> | <b>1.1918</b> |     | <b>3,714.8975</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Winter

**3.3 Site Preparation - 2020****Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0878        | 0.0729        | 0.6216        | 1.5900e-003        | 0.1780        | 1.1400e-003        | 0.1791        | 0.0472         | 1.0500e-003        | 0.0483        |          | 158.5129        | 158.5129        | 5.2400e-003        |     | 158.6439        |
| <b>Total</b> | <b>0.0878</b> | <b>0.0729</b> | <b>0.6216</b> | <b>1.5900e-003</b> | <b>0.1780</b> | <b>1.1400e-003</b> | <b>0.1791</b> | <b>0.0472</b>  | <b>1.0500e-003</b> | <b>0.0483</b> |          | <b>158.5129</b> | <b>158.5129</b> | <b>5.2400e-003</b> |     | <b>158.6439</b> |

**3.3 Site Preparation - 2021****Unmitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10  | Exhaust PM10  | PM10 Total     | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total    | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|----------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |                |               |                |                |               |                | lb/day   |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 18.0663        | 0.0000        | 18.0663        | 9.9307         | 0.0000        | 9.9307         |          |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 3.8882        | 40.4971        | 21.1543        | 0.0380        |                | 2.0445        | 2.0445         |                | 1.8809        | 1.8809         |          | 3,685.6569        | 3,685.6569        | 1.1920        |     | 3,715,4573        |
| <b>Total</b>  | <b>3.8882</b> | <b>40.4971</b> | <b>21.1543</b> | <b>0.0380</b> | <b>18.0663</b> | <b>2.0445</b> | <b>20.1107</b> | <b>9.9307</b>  | <b>1.8809</b> | <b>11.8116</b> |          | <b>3,685.6569</b> | <b>3,685.6569</b> | <b>1.1920</b> |     | <b>3,715,4573</b> |

## OCSF Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Winter

**3.3 Site Preparation - 2021****Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0819        | 0.0652        | 0.5630        | 1.5400e-003        | 0.1780        | 1.1000e-003        | 0.1791        | 0.0472         | 1.0200e-003        | 0.0482        |          | 153.1105        | 153.1105        | 4.6500e-003        |     | 153.2268        |
| <b>Total</b> | <b>0.0819</b> | <b>0.0652</b> | <b>0.5630</b> | <b>1.5400e-003</b> | <b>0.1780</b> | <b>1.1000e-003</b> | <b>0.1791</b> | <b>0.0472</b>  | <b>1.0200e-003</b> | <b>0.0482</b> |          | <b>153.1105</b> | <b>153.1105</b> | <b>4.6500e-003</b> |     | <b>153.2268</b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10  | Exhaust PM10  | PM10 Total     | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total    | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|----------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |                |               |                |                |               |                | lb/day        |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 18.0663        | 0.0000        | 18.0663        | 9.9307         | 0.0000        | 9.9307         |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 3.8882        | 40.4971        | 21.1543        | 0.0380        |                | 2.0445        | 2.0445         |                | 1.8809        | 1.8809         | 0.0000        | 3,685.6569        | 3,685.6569        | 1.1920        |     | 3,715,4573        |
| <b>Total</b>  | <b>3.8882</b> | <b>40.4971</b> | <b>21.1543</b> | <b>0.0380</b> | <b>18.0663</b> | <b>2.0445</b> | <b>20.1107</b> | <b>9.9307</b>  | <b>1.8809</b> | <b>11.8116</b> | <b>0.0000</b> | <b>3,685.6569</b> | <b>3,685.6569</b> | <b>1.1920</b> |     | <b>3,715,4573</b> |

## OCSF Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Winter

**3.3 Site Preparation - 2021****Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0819        | 0.0652        | 0.5630        | 1.5400e-003        | 0.1780        | 1.1000e-003        | 0.1791        | 0.0472         | 1.0200e-003        | 0.0482        |          | 153.1105        | 153.1105        | 4.6500e-003        |     | 153.2268        |
| <b>Total</b> | <b>0.0819</b> | <b>0.0652</b> | <b>0.5630</b> | <b>1.5400e-003</b> | <b>0.1780</b> | <b>1.1000e-003</b> | <b>0.1791</b> | <b>0.0472</b>  | <b>1.0200e-003</b> | <b>0.0482</b> |          | <b>153.1105</b> | <b>153.1105</b> | <b>4.6500e-003</b> |     | <b>153.2268</b> |

**3.4 Grading - 2021****Unmitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total     | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |               |               |                |                |               |               | lb/day   |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 8.6733        | 0.0000        | 8.6733         | 3.5965         | 0.0000        | 3.5965        |          |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 4.1912        | 46.3998        | 30.8785        | 0.0620        |               | 1.9853        | 1.9853         |                | 1.8265        | 1.8265        |          | 6,007.0434        | 6,007.0434        | 1.9428        |     | 6,055.6134        |
| <b>Total</b>  | <b>4.1912</b> | <b>46.3998</b> | <b>30.8785</b> | <b>0.0620</b> | <b>8.6733</b> | <b>1.9853</b> | <b>10.6587</b> | <b>3.5965</b>  | <b>1.8265</b> | <b>5.4230</b> |          | <b>6,007.0434</b> | <b>6,007.0434</b> | <b>1.9428</b> |     | <b>6,055.6134</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Winter

**3.4 Grading - 2021****Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0910        | 0.0724        | 0.6255        | 1.7100e-003        | 0.1977        | 1.2200e-003        | 0.1990        | 0.0524         | 1.1300e-003        | 0.0536        |          | 170.1228        | 170.1228        | 5.1700e-003        |     | 170.2520        |
| <b>Total</b> | <b>0.0910</b> | <b>0.0724</b> | <b>0.6255</b> | <b>1.7100e-003</b> | <b>0.1977</b> | <b>1.2200e-003</b> | <b>0.1990</b> | <b>0.0524</b>  | <b>1.1300e-003</b> | <b>0.0536</b> |          | <b>170.1228</b> | <b>170.1228</b> | <b>5.1700e-003</b> |     | <b>170.2520</b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total     | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |               |               |                |                |               |               | lb/day        |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 8.6733        | 0.0000        | 8.6733         | 3.5965         | 0.0000        | 3.5965        |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 4.1912        | 46.3998        | 30.8785        | 0.0620        |               | 1.9853        | 1.9853         |                | 1.8265        | 1.8265        | 0.0000        | 6,007.0434        | 6,007.0434        | 1.9428        |     | 6,055.6134        |
| <b>Total</b>  | <b>4.1912</b> | <b>46.3998</b> | <b>30.8785</b> | <b>0.0620</b> | <b>8.6733</b> | <b>1.9853</b> | <b>10.6587</b> | <b>3.5965</b>  | <b>1.8265</b> | <b>5.4230</b> | <b>0.0000</b> | <b>6,007.0434</b> | <b>6,007.0434</b> | <b>1.9428</b> |     | <b>6,055.6134</b> |

## OCSF Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Winter

**3.4 Grading - 2021****Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0910        | 0.0724        | 0.6255        | 1.7100e-003        | 0.1977        | 1.2200e-003        | 0.1990        | 0.0524         | 1.1300e-003        | 0.0536        |          | 170.1228        | 170.1228        | 5.1700e-003        |     | 170.2520        |
| <b>Total</b> | <b>0.0910</b> | <b>0.0724</b> | <b>0.6255</b> | <b>1.7100e-003</b> | <b>0.1977</b> | <b>1.2200e-003</b> | <b>0.1990</b> | <b>0.0524</b>  | <b>1.1300e-003</b> | <b>0.0536</b> |          | <b>170.1228</b> | <b>170.1228</b> | <b>5.1700e-003</b> |     | <b>170.2520</b> |

**3.5 Paving - 2021****Unmitigated Construction On-Site**

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Off-Road     | 1.2556        | 12.9191        | 14.6532        | 0.0228        |               | 0.6777        | 0.6777        |                | 0.6235        | 0.6235        |          | 2,207.2109        | 2,207.2109        | 0.7139        |     | 2,225.0573        |
| Paving       | 0.0000        |                |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>1.2556</b> | <b>12.9191</b> | <b>14.6532</b> | <b>0.0228</b> |               | <b>0.6777</b> | <b>0.6777</b> |                | <b>0.6235</b> | <b>0.6235</b> |          | <b>2,207.2109</b> | <b>2,207.2109</b> | <b>0.7139</b> |     | <b>2,225.0573</b> |

## OCSF Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Winter

**3.5 Paving - 2021****Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0683        | 0.0543        | 0.4692        | 1.2800e-003        | 0.1483        | 9.2000e-004        | 0.1492        | 0.0393         | 8.5000e-004        | 0.0402        |          | 127.5921        | 127.5921        | 3.8800e-003        |     | 127.6890        |
| <b>Total</b> | <b>0.0683</b> | <b>0.0543</b> | <b>0.4692</b> | <b>1.2800e-003</b> | <b>0.1483</b> | <b>9.2000e-004</b> | <b>0.1492</b> | <b>0.0393</b>  | <b>8.5000e-004</b> | <b>0.0402</b> |          | <b>127.5921</b> | <b>127.5921</b> | <b>3.8800e-003</b> |     | <b>127.6890</b> |

**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     | 1.2556        | 12.9191        | 14.6532        | 0.0228        |               | 0.6777        | 0.6777        |                | 0.6235        | 0.6235        | 0.0000        | 2,207.2109        | 2,207.2109        | 0.7139        |     | 2,225.0573        |
| Paving       | 0.0000        |                |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>1.2556</b> | <b>12.9191</b> | <b>14.6532</b> | <b>0.0228</b> |               | <b>0.6777</b> | <b>0.6777</b> |                | <b>0.6235</b> | <b>0.6235</b> | <b>0.0000</b> | <b>2,207.2109</b> | <b>2,207.2109</b> | <b>0.7139</b> |     | <b>2,225.0573</b> |

## OCSF Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Winter

**3.5 Paving - 2021****Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0683        | 0.0543        | 0.4692        | 1.2800e-003        | 0.1483        | 9.2000e-004        | 0.1492        | 0.0393         | 8.5000e-004        | 0.0402        |          | 127.5921        | 127.5921        | 3.8800e-003        |     | 127.6890        |
| <b>Total</b> | <b>0.0683</b> | <b>0.0543</b> | <b>0.4692</b> | <b>1.2800e-003</b> | <b>0.1483</b> | <b>9.2000e-004</b> | <b>0.1492</b> | <b>0.0393</b>  | <b>8.5000e-004</b> | <b>0.0402</b> |          | <b>127.5921</b> | <b>127.5921</b> | <b>3.8800e-003</b> |     | <b>127.6890</b> |

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

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Off-Road     | 1.1028        | 11.1249        | 14.5805        | 0.0228        |               | 0.5679        | 0.5679        |                | 0.5225        | 0.5225        |          | 2,207.6603        | 2,207.6603        | 0.7140        |     | 2,225.5104        |
| Paving       | 0.0000        |                |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>1.1028</b> | <b>11.1249</b> | <b>14.5805</b> | <b>0.0228</b> |               | <b>0.5679</b> | <b>0.5679</b> |                | <b>0.5225</b> | <b>0.5225</b> |          | <b>2,207.6603</b> | <b>2,207.6603</b> | <b>0.7140</b> |     | <b>2,225.5104</b> |

## OCSF Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Winter

**3.5 Paving - 2022****Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0642        | 0.0488        | 0.4295        | 1.2300e-003        | 0.1483        | 8.9000e-004        | 0.1492        | 0.0393         | 8.2000e-004        | 0.0402        |          | 123.0317        | 123.0317        | 3.4700e-003        |     | 123.1185        |
| <b>Total</b> | <b>0.0642</b> | <b>0.0488</b> | <b>0.4295</b> | <b>1.2300e-003</b> | <b>0.1483</b> | <b>8.9000e-004</b> | <b>0.1492</b> | <b>0.0393</b>  | <b>8.2000e-004</b> | <b>0.0402</b> |          | <b>123.0317</b> | <b>123.0317</b> | <b>3.4700e-003</b> |     | <b>123.1185</b> |

**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     | 1.1028        | 11.1249        | 14.5805        | 0.0228        |               | 0.5679        | 0.5679        |                | 0.5225        | 0.5225        | 0.0000        | 2,207.6603        | 2,207.6603        | 0.7140        |     | 2,225.5104        |
| Paving       | 0.0000        |                |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>1.1028</b> | <b>11.1249</b> | <b>14.5805</b> | <b>0.0228</b> |               | <b>0.5679</b> | <b>0.5679</b> |                | <b>0.5225</b> | <b>0.5225</b> | <b>0.0000</b> | <b>2,207.6603</b> | <b>2,207.6603</b> | <b>0.7140</b> |     | <b>2,225.5104</b> |

## OCSF Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Winter

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

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0642        | 0.0488        | 0.4295        | 1.2300e-003        | 0.1483        | 8.9000e-004        | 0.1492        | 0.0393         | 8.2000e-004        | 0.0402        |          | 123.0317        | 123.0317        | 3.4700e-003        |     | 123.1185        |
| <b>Total</b> | <b>0.0642</b> | <b>0.0488</b> | <b>0.4295</b> | <b>1.2300e-003</b> | <b>0.1483</b> | <b>8.9000e-004</b> | <b>0.1492</b> | <b>0.0393</b>  | <b>8.2000e-004</b> | <b>0.0402</b> |          | <b>123.0317</b> | <b>123.0317</b> | <b>3.4700e-003</b> |     | <b>123.1185</b> |

**3.5 Paving - 2023****Unmitigated Construction On-Site**

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Off-Road     | 1.0327        | 10.1917        | 14.5842        | 0.0228        |               | 0.5102        | 0.5102        |                | 0.4694        | 0.4694        |          | 2,207.5841        | 2,207.5841        | 0.7140        |     | 2,225.4336        |
| Paving       | 0.0000        |                |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>1.0327</b> | <b>10.1917</b> | <b>14.5842</b> | <b>0.0228</b> |               | <b>0.5102</b> | <b>0.5102</b> |                | <b>0.4694</b> | <b>0.4694</b> |          | <b>2,207.5841</b> | <b>2,207.5841</b> | <b>0.7140</b> |     | <b>2,225.4336</b> |

## OCSF Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Winter

**3.5 Paving - 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     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0604        | 0.0439        | 0.3919        | 1.1900e-003        | 0.1483        | 8.7000e-004        | 0.1492        | 0.0393         | 8.0000e-004        | 0.0401        |          | 118.4177        | 118.4177        | 3.1000e-003        |     | 118.4951        |
| <b>Total</b> | <b>0.0604</b> | <b>0.0439</b> | <b>0.3919</b> | <b>1.1900e-003</b> | <b>0.1483</b> | <b>8.7000e-004</b> | <b>0.1492</b> | <b>0.0393</b>  | <b>8.0000e-004</b> | <b>0.0401</b> |          | <b>118.4177</b> | <b>118.4177</b> | <b>3.1000e-003</b> |     | <b>118.4951</b> |

**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     | 1.0327        | 10.1917        | 14.5842        | 0.0228        |               | 0.5102        | 0.5102        |                | 0.4694        | 0.4694        | 0.0000        | 2,207.5841        | 2,207.5841        | 0.7140        |     | 2,225.4336        |
| Paving       | 0.0000        |                |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>1.0327</b> | <b>10.1917</b> | <b>14.5842</b> | <b>0.0228</b> |               | <b>0.5102</b> | <b>0.5102</b> |                | <b>0.4694</b> | <b>0.4694</b> | <b>0.0000</b> | <b>2,207.5841</b> | <b>2,207.5841</b> | <b>0.7140</b> |     | <b>2,225.4336</b> |

## OCSF Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Winter

**3.5 Paving - 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     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0604        | 0.0439        | 0.3919        | 1.1900e-003        | 0.1483        | 8.7000e-004        | 0.1492        | 0.0393         | 8.0000e-004        | 0.0401        |          | 118.4177        | 118.4177        | 3.1000e-003        |     | 118.4951        |
| <b>Total</b> | <b>0.0604</b> | <b>0.0439</b> | <b>0.3919</b> | <b>1.1900e-003</b> | <b>0.1483</b> | <b>8.7000e-004</b> | <b>0.1492</b> | <b>0.0393</b>  | <b>8.0000e-004</b> | <b>0.0401</b> |          | <b>118.4177</b> | <b>118.4177</b> | <b>3.1000e-003</b> |     | <b>118.4951</b> |

**3.6 Building Construction - 2021****Unmitigated Construction On-Site**

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Off-Road     | 1.9009        | 17.4321        | 16.5752        | 0.0269        |               | 0.9586        | 0.9586        |                | 0.9013        | 0.9013        |          | 2,553.3639        | 2,553.3639        | 0.6160        |     | 2,568.7643        |
| <b>Total</b> | <b>1.9009</b> | <b>17.4321</b> | <b>16.5752</b> | <b>0.0269</b> |               | <b>0.9586</b> | <b>0.9586</b> |                | <b>0.9013</b> | <b>0.9013</b> |          | <b>2,553.3639</b> | <b>2,553.3639</b> | <b>0.6160</b> |     | <b>2,568.7643</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Winter

**3.6 Building Construction - 2021****Unmitigated Construction Off-Site**

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2          | Total CO2          | CH4           | N2O | CO2e               |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|--------------------|--------------------|---------------|-----|--------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                    |                    |               |     |                    |
| Hauling      | 0.0000        | 0.0000         | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000             | 0.0000             | 0.0000        |     | 0.0000             |
| Vendor       | 0.6880        | 20.4709        | 6.4378         | 0.0424        | 1.0121        | 0.0612        | 1.0733        | 0.2915         | 0.0585        | 0.3501        |          | 4,512.6775         | 4,512.6775         | 0.2809        |     | 4,519.7001         |
| Worker       | 3.2577        | 2.5925         | 22.3941        | 0.0612        | 7.0785        | 0.0438        | 7.1223        | 1.8774         | 0.0404        | 1.9178        |          | 6,090.3955         | 6,090.3955         | 0.1851        |     | 6,095.0231         |
| <b>Total</b> | <b>3.9457</b> | <b>23.0634</b> | <b>28.8319</b> | <b>0.1035</b> | <b>8.0906</b> | <b>0.1050</b> | <b>8.1956</b> | <b>2.1689</b>  | <b>0.0990</b> | <b>2.2679</b> |          | <b>10,603.0730</b> | <b>10,603.0730</b> | <b>0.4660</b> |     | <b>10,614.7232</b> |

**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     | 1.9009        | 17.4321        | 16.5752        | 0.0269        |               | 0.9586        | 0.9586        |                | 0.9013        | 0.9013        | 0.0000        | 2,553.3639        | 2,553.3639        | 0.6160        |     | 2,568.7643        |
| <b>Total</b> | <b>1.9009</b> | <b>17.4321</b> | <b>16.5752</b> | <b>0.0269</b> |               | <b>0.9586</b> | <b>0.9586</b> |                | <b>0.9013</b> | <b>0.9013</b> | <b>0.0000</b> | <b>2,553.3639</b> | <b>2,553.3639</b> | <b>0.6160</b> |     | <b>2,568.7643</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Winter

**3.6 Building Construction - 2021****Mitigated Construction Off-Site**

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2               | Total CO2               | CH4           | N2O | CO2e                    |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------------|-------------------------|---------------|-----|-------------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                         |                         |               |     |                         |
| Hauling      | 0.0000        | 0.0000         | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000                  | 0.0000                  | 0.0000        |     | 0.0000                  |
| Vendor       | 0.6880        | 20.4709        | 6.4378         | 0.0424        | 1.0121        | 0.0612        | 1.0733        | 0.2915         | 0.0585        | 0.3501        |          | 4,512.677<br>5          | 4,512.677<br>5          | 0.2809        |     | 4,519.700<br>1          |
| Worker       | 3.2577        | 2.5925         | 22.3941        | 0.0612        | 7.0785        | 0.0438        | 7.1223        | 1.8774         | 0.0404        | 1.9178        |          | 6,090.395<br>5          | 6,090.395<br>5          | 0.1851        |     | 6,095.023<br>1          |
| <b>Total</b> | <b>3.9457</b> | <b>23.0634</b> | <b>28.8319</b> | <b>0.1035</b> | <b>8.0906</b> | <b>0.1050</b> | <b>8.1956</b> | <b>2.1689</b>  | <b>0.0990</b> | <b>2.2679</b> |          | <b>10,603.07<br/>30</b> | <b>10,603.07<br/>30</b> | <b>0.4660</b> |     | <b>10,614.72<br/>32</b> |

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

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                        |                        |               |     |                        |
| Off-Road     | 1.7062        | 15.6156        | 16.3634        | 0.0269        |               | 0.8090        | 0.8090        |                | 0.7612        | 0.7612        |          | 2,554.333<br>6         | 2,554.333<br>6         | 0.6120        |     | 2,569.632<br>2         |
| <b>Total</b> | <b>1.7062</b> | <b>15.6156</b> | <b>16.3634</b> | <b>0.0269</b> |               | <b>0.8090</b> | <b>0.8090</b> |                | <b>0.7612</b> | <b>0.7612</b> |          | <b>2,554.333<br/>6</b> | <b>2,554.333<br/>6</b> | <b>0.6120</b> |     | <b>2,569.632<br/>2</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Winter

**3.6 Building Construction - 2022****Unmitigated Construction Off-Site**

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2               | Total CO2               | CH4           | N2O | CO2e                    |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------------|-------------------------|---------------|-----|-------------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                         |                         |               |     |                         |
| Hauling      | 0.0000        | 0.0000         | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000                  | 0.0000                  | 0.0000        |     | 0.0000                  |
| Vendor       | 0.6365        | 19.4529        | 5.9513         | 0.0420        | 1.0123        | 0.0540        | 1.0663        | 0.2916         | 0.0516        | 0.3432        |          | 4,480.648<br>0          | 4,480.648<br>0          | 0.2776        |     | 4,487.587<br>2          |
| Worker       | 3.0633        | 2.3309         | 20.5000        | 0.0590        | 7.0785        | 0.0426        | 7.1211        | 1.8774         | 0.0393        | 1.9166        |          | 5,872.714<br>1          | 5,872.714<br>1          | 0.1658        |     | 5,876.858<br>2          |
| <b>Total</b> | <b>3.6998</b> | <b>21.7838</b> | <b>26.4513</b> | <b>0.1010</b> | <b>8.0908</b> | <b>0.0966</b> | <b>8.1873</b> | <b>2.1689</b>  | <b>0.0909</b> | <b>2.2598</b> |          | <b>10,353.36<br/>21</b> | <b>10,353.36<br/>21</b> | <b>0.4433</b> |     | <b>10,364.44<br/>54</b> |

**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     | 1.7062        | 15.6156        | 16.3634        | 0.0269        |               | 0.8090        | 0.8090        |                | 0.7612        | 0.7612        | 0.0000        | 2,554.333<br>6         | 2,554.333<br>6         | 0.6120        |     | 2,569.632<br>2         |
| <b>Total</b> | <b>1.7062</b> | <b>15.6156</b> | <b>16.3634</b> | <b>0.0269</b> |               | <b>0.8090</b> | <b>0.8090</b> |                | <b>0.7612</b> | <b>0.7612</b> | <b>0.0000</b> | <b>2,554.333<br/>6</b> | <b>2,554.333<br/>6</b> | <b>0.6120</b> |     | <b>2,569.632<br/>2</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Winter

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

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2               | Total CO2               | CH4           | N2O | CO2e                    |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------------|-------------------------|---------------|-----|-------------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                         |                         |               |     |                         |
| Hauling      | 0.0000        | 0.0000         | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000                  | 0.0000                  | 0.0000        |     | 0.0000                  |
| Vendor       | 0.6365        | 19.4529        | 5.9513         | 0.0420        | 1.0123        | 0.0540        | 1.0663        | 0.2916         | 0.0516        | 0.3432        |          | 4,480.648<br>0          | 4,480.648<br>0          | 0.2776        |     | 4,487.587<br>2          |
| Worker       | 3.0633        | 2.3309         | 20.5000        | 0.0590        | 7.0785        | 0.0426        | 7.1211        | 1.8774         | 0.0393        | 1.9166        |          | 5,872.714<br>1          | 5,872.714<br>1          | 0.1658        |     | 5,876.858<br>2          |
| <b>Total</b> | <b>3.6998</b> | <b>21.7838</b> | <b>26.4513</b> | <b>0.1010</b> | <b>8.0908</b> | <b>0.0966</b> | <b>8.1873</b> | <b>2.1689</b>  | <b>0.0909</b> | <b>2.2598</b> |          | <b>10,353.36<br/>21</b> | <b>10,353.36<br/>21</b> | <b>0.4433</b> |     | <b>10,364.44<br/>54</b> |

**3.6 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     | 1.5728        | 14.3849        | 16.2440        | 0.0269        |               | 0.6997        | 0.6997        |                | 0.6584        | 0.6584        |          | 2,555.209<br>9         | 2,555.209<br>9         | 0.6079        |     | 2,570.406<br>1         |
| <b>Total</b> | <b>1.5728</b> | <b>14.3849</b> | <b>16.2440</b> | <b>0.0269</b> |               | <b>0.6997</b> | <b>0.6997</b> |                | <b>0.6584</b> | <b>0.6584</b> |          | <b>2,555.209<br/>9</b> | <b>2,555.209<br/>9</b> | <b>0.6079</b> |     | <b>2,570.406<br/>1</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Winter

**3.6 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     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                    |                    |               |     |                    |
| Hauling      | 0.0000        | 0.0000         | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000             | 0.0000             | 0.0000        |     | 0.0000             |
| Vendor       | 0.4864        | 16.0584        | 5.1915         | 0.0413        | 1.0125        | 0.0248        | 1.0374        | 0.2917         | 0.0238        | 0.3154        |          | 4,405.4287         | 4,405.4287         | 0.2462        |     | 4,411.5823         |
| Worker       | 2.8834        | 2.0949         | 18.7043        | 0.0567        | 7.0785        | 0.0415        | 7.1200        | 1.8774         | 0.0383        | 1.9156        |          | 5,652.4721         | 5,652.4721         | 0.1478        |     | 5,656.1678         |
| <b>Total</b> | <b>3.3698</b> | <b>18.1533</b> | <b>23.8959</b> | <b>0.0980</b> | <b>8.0910</b> | <b>0.0663</b> | <b>8.1573</b> | <b>2.1690</b>  | <b>0.0620</b> | <b>2.2310</b> |          | <b>10,057.9008</b> | <b>10,057.9008</b> | <b>0.3940</b> |     | <b>10,067.7501</b> |

**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     | 1.5728        | 14.3849        | 16.2440        | 0.0269        |               | 0.6997        | 0.6997        |                | 0.6584        | 0.6584        | 0.0000        | 2,555.2099        | 2,555.2099        | 0.6079        |     | 2,570.4061        |
| <b>Total</b> | <b>1.5728</b> | <b>14.3849</b> | <b>16.2440</b> | <b>0.0269</b> |               | <b>0.6997</b> | <b>0.6997</b> |                | <b>0.6584</b> | <b>0.6584</b> | <b>0.0000</b> | <b>2,555.2099</b> | <b>2,555.2099</b> | <b>0.6079</b> |     | <b>2,570.4061</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Winter

**3.6 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     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                    |                    |               |     |                    |
| Hauling      | 0.0000        | 0.0000         | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000             | 0.0000             | 0.0000        |     | 0.0000             |
| Vendor       | 0.4864        | 16.0584        | 5.1915         | 0.0413        | 1.0125        | 0.0248        | 1.0374        | 0.2917         | 0.0238        | 0.3154        |          | 4,405.4287         | 4,405.4287         | 0.2462        |     | 4,411.5823         |
| Worker       | 2.8834        | 2.0949         | 18.7043        | 0.0567        | 7.0785        | 0.0415        | 7.1200        | 1.8774         | 0.0383        | 1.9156        |          | 5,652.4721         | 5,652.4721         | 0.1478        |     | 5,656.1678         |
| <b>Total</b> | <b>3.3698</b> | <b>18.1533</b> | <b>23.8959</b> | <b>0.0980</b> | <b>8.0910</b> | <b>0.0663</b> | <b>8.1573</b> | <b>2.1690</b>  | <b>0.0620</b> | <b>2.2310</b> |          | <b>10,057.9008</b> | <b>10,057.9008</b> | <b>0.3940</b> |     | <b>10,067.7501</b> |

**3.7 Architectural Coating - 2021****Unmitigated Construction On-Site**

|                 | ROG             | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|-----------------|-----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category        | lb/day          |               |               |                    |               |               |               |                |               |               | lb/day   |                 |                 |               |     |                 |
| Archit. Coating | 140.9130        |               |               |                    |               | 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        |          | 281.4481        | 281.4481        | 0.0193        |     | 281.9309        |
| <b>Total</b>    | <b>141.1319</b> | <b>1.5268</b> | <b>1.8176</b> | <b>2.9700e-003</b> |               | <b>0.0941</b> | <b>0.0941</b> |                | <b>0.0941</b> | <b>0.0941</b> |          | <b>281.4481</b> | <b>281.4481</b> | <b>0.0193</b> |     | <b>281.9309</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Winter

**3.7 Architectural Coating - 2021****Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |                    |               |                |                    |               | lb/day   |                   |                   |               |     |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Worker       | 0.6506        | 0.5178        | 4.4726        | 0.0122        | 1.4137        | 8.7500e-003        | 1.4225        | 0.3750         | 8.0800e-003        | 0.3830        |          | 1,216.3779        | 1,216.3779        | 0.0370        |     | 1,217.3021        |
| <b>Total</b> | <b>0.6506</b> | <b>0.5178</b> | <b>4.4726</b> | <b>0.0122</b> | <b>1.4137</b> | <b>8.7500e-003</b> | <b>1.4225</b> | <b>0.3750</b>  | <b>8.0800e-003</b> | <b>0.3830</b> |          | <b>1,216.3779</b> | <b>1,216.3779</b> | <b>0.0370</b> |     | <b>1,217.3021</b> |

**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 | 140.9130        |               |               |                    |               | 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        | 0.0000        | 281.4481        | 281.4481        | 0.0193        |     | 281.9309        |
| <b>Total</b>    | <b>141.1319</b> | <b>1.5268</b> | <b>1.8176</b> | <b>2.9700e-003</b> |               | <b>0.0941</b> | <b>0.0941</b> |                | <b>0.0941</b> | <b>0.0941</b> | <b>0.0000</b> | <b>281.4481</b> | <b>281.4481</b> | <b>0.0193</b> |     | <b>281.9309</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Winter

**3.7 Architectural Coating - 2021****Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |                    |               |                |                    |               | lb/day   |                   |                   |               |     |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Worker       | 0.6506        | 0.5178        | 4.4726        | 0.0122        | 1.4137        | 8.7500e-003        | 1.4225        | 0.3750         | 8.0800e-003        | 0.3830        |          | 1,216.3779        | 1,216.3779        | 0.0370        |     | 1,217.3021        |
| <b>Total</b> | <b>0.6506</b> | <b>0.5178</b> | <b>4.4726</b> | <b>0.0122</b> | <b>1.4137</b> | <b>8.7500e-003</b> | <b>1.4225</b> | <b>0.3750</b>  | <b>8.0800e-003</b> | <b>0.3830</b> |          | <b>1,216.3779</b> | <b>1,216.3779</b> | <b>0.0370</b> |     | <b>1,217.3021</b> |

**3.7 Architectural Coating - 2022****Unmitigated Construction On-Site**

|                 | ROG             | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|-----------------|-----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category        | lb/day          |               |               |                    |               |               |               |                |               |               | lb/day   |                 |                 |               |     |                 |
| Archit. Coating | 140.9130        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.2045          | 1.4085        | 1.8136        | 2.9700e-003        |               | 0.0817        | 0.0817        |                | 0.0817        | 0.0817        |          | 281.4481        | 281.4481        | 0.0183        |     | 281.9062        |
| <b>Total</b>    | <b>141.1175</b> | <b>1.4085</b> | <b>1.8136</b> | <b>2.9700e-003</b> |               | <b>0.0817</b> | <b>0.0817</b> |                | <b>0.0817</b> | <b>0.0817</b> |          | <b>281.4481</b> | <b>281.4481</b> | <b>0.0183</b> |     | <b>281.9062</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Winter

**3.7 Architectural Coating - 2022****Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |                    |               |                |                    |               | lb/day   |                   |                   |               |     |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Worker       | 0.6118        | 0.4655        | 4.0943        | 0.0118        | 1.4137        | 8.5100e-003        | 1.4222        | 0.3750         | 7.8400e-003        | 0.3828        |          | 1,172.9024        | 1,172.9024        | 0.0331        |     | 1,173.7301        |
| <b>Total</b> | <b>0.6118</b> | <b>0.4655</b> | <b>4.0943</b> | <b>0.0118</b> | <b>1.4137</b> | <b>8.5100e-003</b> | <b>1.4222</b> | <b>0.3750</b>  | <b>7.8400e-003</b> | <b>0.3828</b> |          | <b>1,172.9024</b> | <b>1,172.9024</b> | <b>0.0331</b> |     | <b>1,173.7301</b> |

**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 | 140.9130        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.2045          | 1.4085        | 1.8136        | 2.9700e-003        |               | 0.0817        | 0.0817        |                | 0.0817        | 0.0817        | 0.0000        | 281.4481        | 281.4481        | 0.0183        |     | 281.9062        |
| <b>Total</b>    | <b>141.1175</b> | <b>1.4085</b> | <b>1.8136</b> | <b>2.9700e-003</b> |               | <b>0.0817</b> | <b>0.0817</b> |                | <b>0.0817</b> | <b>0.0817</b> | <b>0.0000</b> | <b>281.4481</b> | <b>281.4481</b> | <b>0.0183</b> |     | <b>281.9062</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Winter

**3.7 Architectural Coating - 2022****Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |                    |               |                |                    |               | lb/day   |                   |                   |               |     |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Worker       | 0.6118        | 0.4655        | 4.0943        | 0.0118        | 1.4137        | 8.5100e-003        | 1.4222        | 0.3750         | 7.8400e-003        | 0.3828        |          | 1,172.9024        | 1,172.9024        | 0.0331        |     | 1,173.7301        |
| <b>Total</b> | <b>0.6118</b> | <b>0.4655</b> | <b>4.0943</b> | <b>0.0118</b> | <b>1.4137</b> | <b>8.5100e-003</b> | <b>1.4222</b> | <b>0.3750</b>  | <b>7.8400e-003</b> | <b>0.3828</b> |          | <b>1,172.9024</b> | <b>1,172.9024</b> | <b>0.0331</b> |     | <b>1,173.7301</b> |

**3.7 Architectural Coating - 2023****Unmitigated Construction On-Site**

|                 | ROG             | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|-----------------|-----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category        | lb/day          |               |               |                    |               |               |               |                |               |               | lb/day   |                 |                 |               |     |                 |
| Archit. Coating | 140.9130        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.1917          | 1.3030        | 1.8111        | 2.9700e-003        |               | 0.0708        | 0.0708        |                | 0.0708        | 0.0708        |          | 281.4481        | 281.4481        | 0.0168        |     | 281.8690        |
| <b>Total</b>    | <b>141.1046</b> | <b>1.3030</b> | <b>1.8111</b> | <b>2.9700e-003</b> |               | <b>0.0708</b> | <b>0.0708</b> |                | <b>0.0708</b> | <b>0.0708</b> |          | <b>281.4481</b> | <b>281.4481</b> | <b>0.0168</b> |     | <b>281.8690</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Winter

**3.7 Architectural Coating - 2023****Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |                    |               |                |                    |               | lb/day   |                   |                   |               |     |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Worker       | 0.5759        | 0.4184        | 3.7356        | 0.0113        | 1.4137        | 8.2900e-003        | 1.4220        | 0.3750         | 7.6400e-003        | 0.3826        |          | 1,128.9155        | 1,128.9155        | 0.0295        |     | 1,129.6536        |
| <b>Total</b> | <b>0.5759</b> | <b>0.4184</b> | <b>3.7356</b> | <b>0.0113</b> | <b>1.4137</b> | <b>8.2900e-003</b> | <b>1.4220</b> | <b>0.3750</b>  | <b>7.6400e-003</b> | <b>0.3826</b> |          | <b>1,128.9155</b> | <b>1,128.9155</b> | <b>0.0295</b> |     | <b>1,129.6536</b> |

**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 | 140.9130        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.1917          | 1.3030        | 1.8111        | 2.9700e-003        |               | 0.0708        | 0.0708        |                | 0.0708        | 0.0708        | 0.0000        | 281.4481        | 281.4481        | 0.0168        |     | 281.8690        |
| <b>Total</b>    | <b>141.1046</b> | <b>1.3030</b> | <b>1.8111</b> | <b>2.9700e-003</b> |               | <b>0.0708</b> | <b>0.0708</b> |                | <b>0.0708</b> | <b>0.0708</b> | <b>0.0000</b> | <b>281.4481</b> | <b>281.4481</b> | <b>0.0168</b> |     | <b>281.8690</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Winter

**3.7 Architectural Coating - 2023****Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |                    |               |                |                    |               | lb/day   |                   |                   |               |     |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Worker       | 0.5759        | 0.4184        | 3.7356        | 0.0113        | 1.4137        | 8.2900e-003        | 1.4220        | 0.3750         | 7.6400e-003        | 0.3826        |          | 1,128.9155        | 1,128.9155        | 0.0295        |     | 1,129.6536        |
| <b>Total</b> | <b>0.5759</b> | <b>0.4184</b> | <b>3.7356</b> | <b>0.0113</b> | <b>1.4137</b> | <b>8.2900e-003</b> | <b>1.4220</b> | <b>0.3750</b>  | <b>7.6400e-003</b> | <b>0.3826</b> |          | <b>1,128.9155</b> | <b>1,128.9155</b> | <b>0.0295</b> |     | <b>1,129.6536</b> |

**4.0 Operational Detail - Mobile****4.1 Mitigation Measures Mobile**

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD 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            |
|-------------|---------|---------|----------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------------|-----------------|--------|-----|-----------------|
| Category    | lb/day  |         |          |        |               |              |            |                |               |             | lb/day   |                 |                 |        |     |                 |
| Mitigated   | 16.1323 | 65.1063 | 190.4221 | 0.6123 | 62.9138       | 0.5530       | 63.4668    | 16.7988        | 0.5169        | 17.3158     |          | 61,853.05<br>16 | 61,853.05<br>16 | 2.2348 |     | 61,908.92<br>20 |
| Unmitigated | 16.1323 | 65.1063 | 190.4221 | 0.6123 | 62.9138       | 0.5530       | 63.4668    | 16.7988        | 0.5169        | 17.3158     |          | 61,853.05<br>16 | 61,853.05<br>16 | 2.2348 |     | 61,908.92<br>20 |

## 4.2 Trip Summary Information

|                        | Average Daily Trip Rate |          |          | Unmitigated | Mitigated  |
|------------------------|-------------------------|----------|----------|-------------|------------|
| Land Use               | Weekday                 | Saturday | Sunday   | Annual VMT  | Annual VMT |
| Apartments Low Rise    | 1,156.62                | 1,589.52 | 1347.54  | 3,166,112   | 3,166,112  |
| General Light Industry | 2,677.50                | 990.00   | 510.00   | 7,019,141   | 7,019,141  |
| Single Family Housing  | 5,057.64                | 6,629.79 | 5766.78  | 13,682,571  | 13,682,571 |
| Total                  | 8,891.76                | 9,209.31 | 7,624.32 | 23,867,824  | 23,867,824 |

## 4.3 Trip Type Information

|                        | Miles      |            |             | Trip %     |            |             | Trip Purpose % |          |         |
|------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
| Land Use               | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary        | Diverted | Pass-by |
| Apartments Low Rise    | 13.00      | 5.00       | 5.00        | 35.80      | 21.00      | 43.20       | 86             | 11       | 3       |
| General Light Industry | 13.00      | 5.00       | 5.00        | 59.00      | 28.00      | 13.00       | 92             | 5        | 3       |
| Single Family Housing  | 13.00      | 5.00       | 5.00        | 35.80      | 21.00      | 43.20       | 86             | 11       | 3       |

## 4.4 Fleet Mix

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Winter

| Land Use               | LDA      | LDT1     | LDT2     | MDV      | LHD1     | LHD2     | MHD      | HHD      | OBUS     | UBUS     | MCY      | SBUS     | MH       |
|------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Apartments Low Rise    | 0.588806 | 0.027737 | 0.198305 | 0.114471 | 0.022249 | 0.005748 | 0.012759 | 0.019721 | 0.002316 | 0.001163 | 0.004776 | 0.000758 | 0.001192 |
| General Light Industry | 0.588806 | 0.027737 | 0.198305 | 0.114471 | 0.022249 | 0.005748 | 0.012759 | 0.019721 | 0.002316 | 0.001163 | 0.004776 | 0.000758 | 0.001192 |
| Single Family Housing  | 0.588806 | 0.027737 | 0.198305 | 0.114471 | 0.022249 | 0.005748 | 0.012759 | 0.019721 | 0.002316 | 0.001163 | 0.004776 | 0.000758 | 0.001192 |

## 5.0 Energy Detail

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Historical Energy Use: N

### 5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

|                        | ROG    | NOx     | CO     | SO2    | Fugitive 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   | 1.2260 | 10.7954 | 6.7964 | 0.0669 |               | 0.8470       | 0.8470     |                | 0.8470        | 0.8470      |          | 13,374.2756 | 13,374.2756 | 0.2563 | 0.2452 | 13,453.7522 |
| NaturalGas Unmitigated | 1.2260 | 10.7954 | 6.7964 | 0.0669 |               | 0.8470       | 0.8470     |                | 0.8470        | 0.8470      |          | 13,374.2756 | 13,374.2756 | 0.2563 | 0.2452 | 13,453.7522 |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Winter

**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   |                    |                    |               |               |                    |
| Apartments Low Rise    | 6203.14        | 0.0669        | 0.5717         | 0.2433        | 3.6500e-003   |               | 0.0462        | 0.0462        |                | 0.0462        | 0.0462        |          | 729.7807           | 729.7807           | 0.0140        | 0.0134        | 734.1175           |
| General Light Industry | 54205.5        | 0.5846        | 5.3143         | 4.4640        | 0.0319        |               | 0.4039        | 0.4039        |                | 0.4039        | 0.4039        |          | 6,377.1152         | 6,377.1152         | 0.1222        | 0.1169        | 6,415.0112         |
| Single Family Housing  | 53272.7        | 0.5745        | 4.9095         | 2.0891        | 0.0313        |               | 0.3969        | 0.3969        |                | 0.3969        | 0.3969        |          | 6,267.3796         | 6,267.3796         | 0.1201        | 0.1149        | 6,304.6235         |
| <b>Total</b>           |                | <b>1.2260</b> | <b>10.7954</b> | <b>6.7964</b> | <b>0.0669</b> |               | <b>0.8470</b> | <b>0.8470</b> |                | <b>0.8470</b> | <b>0.8470</b> |          | <b>13,374.2756</b> | <b>13,374.2756</b> | <b>0.2563</b> | <b>0.2452</b> | <b>13,453.7522</b> |

**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   |                    |                    |               |               |                    |
| Apartments Low Rise    | 6.20314        | 0.0669        | 0.5717         | 0.2433        | 3.6500e-003   |               | 0.0462        | 0.0462        |                | 0.0462        | 0.0462        |          | 729.7807           | 729.7807           | 0.0140        | 0.0134        | 734.1175           |
| General Light Industry | 54.2055        | 0.5846        | 5.3143         | 4.4640        | 0.0319        |               | 0.4039        | 0.4039        |                | 0.4039        | 0.4039        |          | 6,377.1152         | 6,377.1152         | 0.1222        | 0.1169        | 6,415.0112         |
| Single Family Housing  | 53.2727        | 0.5745        | 4.9095         | 2.0891        | 0.0313        |               | 0.3969        | 0.3969        |                | 0.3969        | 0.3969        |          | 6,267.3796         | 6,267.3796         | 0.1201        | 0.1149        | 6,304.6235         |
| <b>Total</b>           |                | <b>1.2260</b> | <b>10.7954</b> | <b>6.7964</b> | <b>0.0669</b> |               | <b>0.8470</b> | <b>0.8470</b> |                | <b>0.8470</b> | <b>0.8470</b> |          | <b>13,374.2756</b> | <b>13,374.2756</b> | <b>0.2563</b> | <b>0.2452</b> | <b>13,453.7522</b> |

**6.0 Area Detail**

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Winter

**6.1 Mitigation Measures Area**

|             | ROG     | NOx    | CO      | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4    | N2O    | CO2e     |
|-------------|---------|--------|---------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|----------|
| Category    | lb/day  |        |         |             |               |              |            |                |               |             | lb/day   |           |           |        |        |          |
| Mitigated   | 55.5818 | 0.8473 | 73.5542 | 3.8900e-003 |               | 0.4075       | 0.4075     |                | 0.4075        | 0.4075      | 0.0000   | 132.5242  | 132.5242  | 0.1274 | 0.0000 | 135.7099 |
| Unmitigated | 55.5818 | 0.8473 | 73.5542 | 3.8900e-003 |               | 0.4075       | 0.4075     |                | 0.4075        | 0.4075      | 0.0000   | 132.5242  | 132.5242  | 0.1274 | 0.0000 | 135.7099 |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Winter

**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 | 6.7947         |               |                |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                 | 0.0000          |               |               | 0.0000          |
| Consumer Products     | 46.5707        |               |                |                    |               | 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           | 2.2164         | 0.8473        | 73.5542        | 3.8900e-003        |               | 0.4075        | 0.4075        |                | 0.4075        | 0.4075        |               | 132.5242        | 132.5242        | 0.1274        |               | 135.7099        |
| <b>Total</b>          | <b>55.5818</b> | <b>0.8473</b> | <b>73.5542</b> | <b>3.8900e-003</b> |               | <b>0.4075</b> | <b>0.4075</b> |                | <b>0.4075</b> | <b>0.4075</b> | <b>0.0000</b> | <b>132.5242</b> | <b>132.5242</b> | <b>0.1274</b> | <b>0.0000</b> | <b>135.7099</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Winter

**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 | 6.7947         |               |                |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                 | 0.0000          |               |               | 0.0000          |
| Consumer Products     | 46.5707        |               |                |                    |               | 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           | 2.2164         | 0.8473        | 73.5542        | 3.8900e-003        |               | 0.4075        | 0.4075        |                | 0.4075        | 0.4075        |               | 132.5242        | 132.5242        | 0.1274        |               | 135.7099        |
| <b>Total</b>          | <b>55.5818</b> | <b>0.8473</b> | <b>73.5542</b> | <b>3.8900e-003</b> |               | <b>0.4075</b> | <b>0.4075</b> |                | <b>0.4075</b> | <b>0.4075</b> | <b>0.0000</b> | <b>132.5242</b> | <b>132.5242</b> | <b>0.1274</b> | <b>0.0000</b> | <b>135.7099</b> |

**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

**8.0 Waste Detail****8.1 Mitigation Measures Waste**

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Winter

Institute Recycling and Composting Services

**9.0 Operational Offroad**

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

**10.0 Stationary Equipment**

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**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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## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Summer

**OCSP Alternative 1 - 2024**  
**San Luis Obispo County APCD Air District, Summer****1.0 Project Characteristics**

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**1.1 Land Usage**

| Land Uses              | Size   | Metric        | Lot Acreage | Floor Surface Area | Population |
|------------------------|--------|---------------|-------------|--------------------|------------|
| General Light Industry | 750.00 | 1000sqft      | 86.00       | 750,000.00         | 0          |
| Apartments Low Rise    | 222.00 | Dwelling Unit | 13.88       | 222,000.00         | 604        |
| Single Family Housing  | 669.00 | Dwelling Unit | 257.82      | 1,204,200.00       | 1820       |

**1.2 Other Project Characteristics**

|                         |                                |                         |      |                           |       |
|-------------------------|--------------------------------|-------------------------|------|---------------------------|-------|
| Urbanization            | Urban                          | Wind Speed (m/s)        | 3.2  | Precipitation Freq (Days) | 44    |
| Climate Zone            | 4                              |                         |      | Operational Year          | 2024  |
| Utility Company         | Pacific Gas & Electric Company |                         |      |                           |       |
| CO2 Intensity (lb/MWhr) | 447.45                         | CH4 Intensity (lb/MWhr) | 0.02 | N2O Intensity (lb/MWhr)   | 0.004 |

**1.3 User Entered Comments & Non-Default Data**

OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Summer

Project Characteristics - Adjusted to match Ambient AQ GHG Study.

Land Use - Adjusted to match Plan Area. Used City's household rate of 2.72 persons per household.

Construction Phase - Operational emissions only.

Vehicle Trips - SFR and MFR adjusted to match Ambient AQ GHG Study and industrial to match traffic estimates for Alt 1.

Area Coating - Adjusted to match Ambient AQ GHG study.

Energy Use -

Water And Wastewater - Adjusted to match Ambient AQ GHG Study.

Waste Mitigation - Adjusted to match Ambient's AQ GHG Study.

Water Mitigation -

Energy Mitigation -

## OCSF Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Summer

| Table Name                | Column Name                     | Default Value | New Value |
|---------------------------|---------------------------------|---------------|-----------|
| tblAreaCoating            | Area_EF_Nonresidential_Exterior | 250           | 100       |
| tblAreaCoating            | Area_EF_Nonresidential_Interior | 250           | 100       |
| tblAreaCoating            | Area_EF_Residential_Exterior    | 250           | 100       |
| tblAreaCoating            | Area_EF_Residential_Interior    | 250           | 100       |
| tblLandUse                | LotAcreage                      | 17.22         | 86.00     |
| tblLandUse                | LotAcreage                      | 217.21        | 257.82    |
| tblLandUse                | Population                      | 635.00        | 604.00    |
| tblLandUse                | Population                      | 1,913.00      | 1,820.00  |
| tblProjectCharacteristics | CH4IntensityFactor              | 0.029         | 0.02      |
| tblProjectCharacteristics | CO2IntensityFactor              | 641.35        | 447.45    |
| tblProjectCharacteristics | N2OIntensityFactor              | 0.006         | 0.004     |
| tblVehicleTrips           | WD_TR                           | 6.59          | 5.21      |
| tblVehicleTrips           | WD_TR                           | 6.97          | 3.57      |
| tblVehicleTrips           | WD_TR                           | 9.52          | 7.56      |
| tblWater                  | AerobicPercent                  | 87.46         | 97.79     |
| tblWater                  | AerobicPercent                  | 87.46         | 97.79     |
| tblWater                  | AerobicPercent                  | 87.46         | 97.79     |
| tblWater                  | SepticTankPercent               | 10.33         | 0.00      |
| tblWater                  | SepticTankPercent               | 10.33         | 0.00      |
| tblWater                  | SepticTankPercent               | 10.33         | 0.00      |

## 2.0 Emissions Summary

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## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Summer

**2.1 Overall Construction (Maximum Daily Emission)****Unmitigated Construction**

|         | ROG      | NOx     | CO      | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2   | Total CO2   | CH4    | N2O    | CO2e        |
|---------|----------|---------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-------------|-------------|--------|--------|-------------|
| Year    | lb/day   |         |         |        |               |              |            |                |               |             | lb/day   |             |             |        |        |             |
| 2020    | 4.1535   | 42.4816 | 22.2857 | 0.0402 | 18.2442       | 2.1986       | 20.4428    | 9.9779         | 2.0227        | 12.0006     | 0.0000   | 3,886.2880  | 3,886.2880  | 1.1973 | 0.0000 | 3,912.8496  |
| 2021    | 148.4160 | 59.4306 | 66.9048 | 0.1747 | 18.2442       | 2.6652       | 20.2898    | 9.9779         | 2.4520        | 11.8598     | 0.0000   | 17,497.1485 | 17,497.1485 | 2.6660 | 0.0000 | 17,543.2915 |
| 2022    | 147.7900 | 50.2525 | 63.8536 | 0.1715 | 9.6528        | 1.5614       | 11.2142    | 2.5832         | 1.4618        | 4.0451      | 0.0000   | 17,188.9034 | 17,188.9034 | 1.8135 | 0.0000 | 17,234.2400 |
| 2023    | 147.2313 | 44.3171 | 60.9239 | 0.1679 | 9.6530        | 1.3550       | 11.0080    | 2.5833         | 1.2679        | 3.8512      | 0.0000   | 16,832.6708 | 16,832.6708 | 1.7575 | 0.0000 | 16,876.6085 |
| Maximum | 148.4160 | 59.4306 | 66.9048 | 0.1747 | 18.2442       | 2.6652       | 20.4428    | 9.9779         | 2.4520        | 12.0006     | 0.0000   | 17,497.1485 | 17,497.1485 | 2.6660 | 0.0000 | 17,543.2915 |

OCSF Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Summer

## 2.1 Overall Construction (Maximum Daily Emission)

### 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   |             |             |        |        |             |
| 2020    | 4.1535   | 42.4816 | 22.2857 | 0.0402 | 18.2442       | 2.1986       | 20.4428    | 9.9779         | 2.0227        | 12.0006     | 0.0000   | 3,886.2880  | 3,886.2880  | 1.1973 | 0.0000 | 3,912.8496  |
| 2021    | 148.4160 | 59.4306 | 66.9048 | 0.1747 | 18.2442       | 2.6652       | 20.2898    | 9.9779         | 2.4520        | 11.8598     | 0.0000   | 17,497.1485 | 17,497.1485 | 2.6660 | 0.0000 | 17,543.2915 |
| 2022    | 147.7900 | 50.2525 | 63.8536 | 0.1715 | 9.6528        | 1.5614       | 11.2142    | 2.5832         | 1.4618        | 4.0451      | 0.0000   | 17,188.9034 | 17,188.9034 | 1.8135 | 0.0000 | 17,234.2400 |
| 2023    | 147.2313 | 44.3171 | 60.9239 | 0.1679 | 9.6530        | 1.3550       | 11.0080    | 2.5833         | 1.2679        | 3.8512      | 0.0000   | 16,832.6708 | 16,832.6708 | 1.7575 | 0.0000 | 16,876.6085 |
| Maximum | 148.4160 | 59.4306 | 66.9048 | 0.1747 | 18.2442       | 2.6652       | 20.4428    | 9.9779         | 2.4520        | 12.0006     | 0.0000   | 17,497.1485 | 17,497.1485 | 2.6660 | 0.0000 | 17,543.2915 |

[illegible]

## OCSF Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Summer

**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         | 55.5818        | 0.8473         | 73.5542         | 3.8900e-003   |                | 0.4075        | 0.4075         |                | 0.4075        | 0.4075         | 0.0000        | 132.5242           | 132.5242           | 0.1274        | 0.0000        | 135.7099           |
| Energy       | 1.2260         | 10.7954        | 6.7964          | 0.0669        |                | 0.8470        | 0.8470         |                | 0.8470        | 0.8470         |               | 13,374.2756        | 13,374.2756        | 0.2563        | 0.2452        | 13,453.7522        |
| Mobile       | 16.7698        | 62.7565        | 188.5888        | 0.6374        | 62.9138        | 0.5508        | 63.4646        | 16.7988        | 0.5148        | 17.3137        |               | 64,385.3897        | 64,385.3897        | 2.2162        |               | 64,440.7945        |
| <b>Total</b> | <b>73.5776</b> | <b>74.3991</b> | <b>268.9393</b> | <b>0.7081</b> | <b>62.9138</b> | <b>1.8054</b> | <b>64.7192</b> | <b>16.7988</b> | <b>1.7694</b> | <b>18.5682</b> | <b>0.0000</b> | <b>77,892.1895</b> | <b>77,892.1895</b> | <b>2.6000</b> | <b>0.2452</b> | <b>78,030.2566</b> |

**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         | 55.5818        | 0.8473         | 73.5542         | 3.8900e-003   |                | 0.4075        | 0.4075         |                | 0.4075        | 0.4075         | 0.0000        | 132.5242           | 132.5242           | 0.1274        | 0.0000        | 135.7099           |
| Energy       | 1.2260         | 10.7954        | 6.7964          | 0.0669        |                | 0.8470        | 0.8470         |                | 0.8470        | 0.8470         |               | 13,374.2756        | 13,374.2756        | 0.2563        | 0.2452        | 13,453.7522        |
| Mobile       | 16.7698        | 62.7565        | 188.5888        | 0.6374        | 62.9138        | 0.5508        | 63.4646        | 16.7988        | 0.5148        | 17.3137        |               | 64,385.3897        | 64,385.3897        | 2.2162        |               | 64,440.7945        |
| <b>Total</b> | <b>73.5776</b> | <b>74.3991</b> | <b>268.9393</b> | <b>0.7081</b> | <b>62.9138</b> | <b>1.8054</b> | <b>64.7192</b> | <b>16.7988</b> | <b>1.7694</b> | <b>18.5682</b> | <b>0.0000</b> | <b>77,892.1895</b> | <b>77,892.1895</b> | <b>2.6000</b> | <b>0.2452</b> | <b>78,030.2566</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00          | 0.00         | 0.00       | 0.00           | 0.00          | 0.00        | 0.00     | 0.00     | 0.00      | 0.00 | 0.00 | 0.00 |

### 3.0 Construction Detail

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#### Construction Phase

| Phase Number | Phase Name            | Phase Type            | Start Date | End Date   | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1            | Demolition            | Demolition            | 9/20/2020  | 10/19/2020 | 5             | 400      |                   |
| 2            | Site Preparation      | Site Preparation      | 10/20/2020 | 1/20/2021  | 5             | 240      |                   |
| 3            | Grading               | Grading               | 1/21/2021  | 7/21/2021  | 5             | 620      |                   |
| 4            | Paving                | Paving                | 4/24/2021  | 7/21/2023  | 5             | 440      |                   |
| 5            | Building Construction | Building Construction | 7/22/2021  | 7/21/2023  | 5             | 6200     |                   |
| 6            | Architectural Coating | Architectural Coating | 10/22/2021 | 7/21/2023  | 5             | 440      |                   |

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 1550**

**Acres of Paving: 0**

**Residential Indoor: 2,888,055; Residential Outdoor: 962,685; Non-Residential Indoor: 1,125,000; Non-Residential Outdoor: 375,000; Striped Parking Area: 0 (Architectural Coating – sqft)**

#### OffRoad Equipment

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Summer

| Phase Name            | Offroad Equipment Type    | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Demolition            | Concrete/Industrial Saws  | 1      | 8.00        | 81          | 0.73        |
| Demolition            | Excavators                | 3      | 8.00        | 158         | 0.38        |
| Demolition            | Rubber Tired Dozers       | 2      | 8.00        | 247         | 0.40        |
| Site Preparation      | Rubber Tired Dozers       | 3      | 8.00        | 247         | 0.40        |
| Site Preparation      | Tractors/Loaders/Backhoes | 4      | 8.00        | 97          | 0.37        |
| Grading               | Excavators                | 2      | 8.00        | 158         | 0.38        |
| Grading               | Graders                   | 1      | 8.00        | 187         | 0.41        |
| Grading               | Rubber Tired Dozers       | 1      | 8.00        | 247         | 0.40        |
| Grading               | Scrapers                  | 2      | 8.00        | 367         | 0.48        |
| Grading               | Tractors/Loaders/Backhoes | 2      | 8.00        | 97          | 0.37        |
| Paving                | Pavers                    | 2      | 8.00        | 130         | 0.42        |
| Paving                | Paving Equipment          | 2      | 8.00        | 132         | 0.36        |
| Paving                | Rollers                   | 2      | 8.00        | 80          | 0.38        |
| Building Construction | Cranes                    | 1      | 7.00        | 231         | 0.29        |
| Building Construction | Forklifts                 | 3      | 8.00        | 89          | 0.20        |
| Building Construction | Generator Sets            | 1      | 8.00        | 84          | 0.74        |
| Building Construction | Tractors/Loaders/Backhoes | 3      | 7.00        | 97          | 0.37        |
| Building Construction | Welders                   | 1      | 8.00        | 46          | 0.45        |
| Architectural Coating | Air Compressors           | 1      | 6.00        | 78          | 0.48        |

Trips and VMT

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Summer

| 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            | 6                       | 15.00              | 0.00               | 0.00                | 13.00              | 5.00               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Site Preparation      | 7                       | 18.00              | 0.00               | 0.00                | 13.00              | 5.00               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Grading               | 8                       | 20.00              | 0.00               | 0.00                | 13.00              | 5.00               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Paving                | 6                       | 15.00              | 0.00               | 0.00                | 13.00              | 5.00               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Building Construction | 9                       | 716.00             | 218.00             | 0.00                | 13.00              | 5.00               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Architectural Coating | 1                       | 143.00             | 0.00               | 0.00                | 13.00              | 5.00               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |

## 3.1 Mitigation Measures Construction

## 3.2 Demolition - 2020

Unmitigated Construction On-Site

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Off-Road     | 3.3121        | 33.2010        | 21.7532        | 0.0388        |               | 1.6587        | 1.6587        |                | 1.5419        | 1.5419        |          | 3,747.7049        | 3,747.7049        | 1.0580        |     | 3,774.1536        |
| <b>Total</b> | <b>3.3121</b> | <b>33.2010</b> | <b>21.7532</b> | <b>0.0388</b> |               | <b>1.6587</b> | <b>1.6587</b> |                | <b>1.5419</b> | <b>1.5419</b> |          | <b>3,747.7049</b> | <b>3,747.7049</b> | <b>1.0580</b> |     | <b>3,774.1536</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Summer

**3.2 Demolition - 2020****Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0642        | 0.0535        | 0.5325        | 1.3900e-003        | 0.1483        | 9.5000e-004        | 0.1492        | 0.0393         | 8.8000e-004        | 0.0402        |          | 138.5831        | 138.5831        | 4.5200e-003        |     | 138.6960        |
| <b>Total</b> | <b>0.0642</b> | <b>0.0535</b> | <b>0.5325</b> | <b>1.3900e-003</b> | <b>0.1483</b> | <b>9.5000e-004</b> | <b>0.1492</b> | <b>0.0393</b>  | <b>8.8000e-004</b> | <b>0.0402</b> |          | <b>138.5831</b> | <b>138.5831</b> | <b>4.5200e-003</b> |     | <b>138.6960</b> |

**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     | 3.3121        | 33.2010        | 21.7532        | 0.0388        |               | 1.6587        | 1.6587        |                | 1.5419        | 1.5419        | 0.0000        | 3,747.7049        | 3,747.7049        | 1.0580        |     | 3,774.1536        |
| <b>Total</b> | <b>3.3121</b> | <b>33.2010</b> | <b>21.7532</b> | <b>0.0388</b> |               | <b>1.6587</b> | <b>1.6587</b> |                | <b>1.5419</b> | <b>1.5419</b> | <b>0.0000</b> | <b>3,747.7049</b> | <b>3,747.7049</b> | <b>1.0580</b> |     | <b>3,774.1536</b> |

## OCSF Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Summer

**3.2 Demolition - 2020****Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0642        | 0.0535        | 0.5325        | 1.3900e-003        | 0.1483        | 9.5000e-004        | 0.1492        | 0.0393         | 8.8000e-004        | 0.0402        |          | 138.5831        | 138.5831        | 4.5200e-003        |     | 138.6960        |
| <b>Total</b> | <b>0.0642</b> | <b>0.0535</b> | <b>0.5325</b> | <b>1.3900e-003</b> | <b>0.1483</b> | <b>9.5000e-004</b> | <b>0.1492</b> | <b>0.0393</b>  | <b>8.8000e-004</b> | <b>0.0402</b> |          | <b>138.5831</b> | <b>138.5831</b> | <b>4.5200e-003</b> |     | <b>138.6960</b> |

**3.3 Site Preparation - 2020****Unmitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10  | Exhaust PM10  | PM10 Total     | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total    | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|----------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |                |               |                |                |               |                | lb/day   |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 18.0663        | 0.0000        | 18.0663        | 9.9307         | 0.0000        | 9.9307         |          |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 4.0765        | 42.4173        | 21.5136        | 0.0380        |                | 2.1974        | 2.1974         |                | 2.0216        | 2.0216         |          | 3,685.1016        | 3,685.1016        | 1.1918        |     | 3,714.8975        |
| <b>Total</b>  | <b>4.0765</b> | <b>42.4173</b> | <b>21.5136</b> | <b>0.0380</b> | <b>18.0663</b> | <b>2.1974</b> | <b>20.2637</b> | <b>9.9307</b>  | <b>2.0216</b> | <b>11.9523</b> |          | <b>3,685.1016</b> | <b>3,685.1016</b> | <b>1.1918</b> |     | <b>3,714.8975</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Summer

**3.3 Site Preparation - 2020****Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0770        | 0.0642        | 0.6389        | 1.6700e-003        | 0.1780        | 1.1400e-003        | 0.1791        | 0.0472         | 1.0500e-003        | 0.0483        |          | 166.2997        | 166.2997        | 5.4200e-003        |     | 166.4352        |
| <b>Total</b> | <b>0.0770</b> | <b>0.0642</b> | <b>0.6389</b> | <b>1.6700e-003</b> | <b>0.1780</b> | <b>1.1400e-003</b> | <b>0.1791</b> | <b>0.0472</b>  | <b>1.0500e-003</b> | <b>0.0483</b> |          | <b>166.2997</b> | <b>166.2997</b> | <b>5.4200e-003</b> |     | <b>166.4352</b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10  | Exhaust PM10  | PM10 Total     | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total    | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|----------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |                |               |                |                |               |                | lb/day        |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 18.0663        | 0.0000        | 18.0663        | 9.9307         | 0.0000        | 9.9307         |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 4.0765        | 42.4173        | 21.5136        | 0.0380        |                | 2.1974        | 2.1974         |                | 2.0216        | 2.0216         | 0.0000        | 3,685.1016        | 3,685.1016        | 1.1918        |     | 3,714.8975        |
| <b>Total</b>  | <b>4.0765</b> | <b>42.4173</b> | <b>21.5136</b> | <b>0.0380</b> | <b>18.0663</b> | <b>2.1974</b> | <b>20.2637</b> | <b>9.9307</b>  | <b>2.0216</b> | <b>11.9523</b> | <b>0.0000</b> | <b>3,685.1016</b> | <b>3,685.1016</b> | <b>1.1918</b> |     | <b>3,714.8975</b> |

## OCSF Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Summer

**3.3 Site Preparation - 2020****Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0770        | 0.0642        | 0.6389        | 1.6700e-003        | 0.1780        | 1.1400e-003        | 0.1791        | 0.0472         | 1.0500e-003        | 0.0483        |          | 166.2997        | 166.2997        | 5.4200e-003        |     | 166.4352        |
| <b>Total</b> | <b>0.0770</b> | <b>0.0642</b> | <b>0.6389</b> | <b>1.6700e-003</b> | <b>0.1780</b> | <b>1.1400e-003</b> | <b>0.1791</b> | <b>0.0472</b>  | <b>1.0500e-003</b> | <b>0.0483</b> |          | <b>166.2997</b> | <b>166.2997</b> | <b>5.4200e-003</b> |     | <b>166.4352</b> |

**3.3 Site Preparation - 2021****Unmitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10  | Exhaust PM10  | PM10 Total     | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total    | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|----------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |                |               |                |                |               |                | lb/day   |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 18.0663        | 0.0000        | 18.0663        | 9.9307         | 0.0000        | 9.9307         |          |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 3.8882        | 40.4971        | 21.1543        | 0.0380        |                | 2.0445        | 2.0445         |                | 1.8809        | 1.8809         |          | 3,685.6569        | 3,685.6569        | 1.1920        |     | 3,715,4573        |
| <b>Total</b>  | <b>3.8882</b> | <b>40.4971</b> | <b>21.1543</b> | <b>0.0380</b> | <b>18.0663</b> | <b>2.0445</b> | <b>20.1107</b> | <b>9.9307</b>  | <b>1.8809</b> | <b>11.8116</b> |          | <b>3,685.6569</b> | <b>3,685.6569</b> | <b>1.1920</b> |     | <b>3,715,4573</b> |

## OCSF Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Summer

**3.3 Site Preparation - 2021****Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0717        | 0.0574        | 0.5802        | 1.6100e-003        | 0.1780        | 1.1000e-003        | 0.1791        | 0.0472         | 1.0200e-003        | 0.0482        |          | 160.6324        | 160.6324        | 4.8200e-003        |     | 160.7530        |
| <b>Total</b> | <b>0.0717</b> | <b>0.0574</b> | <b>0.5802</b> | <b>1.6100e-003</b> | <b>0.1780</b> | <b>1.1000e-003</b> | <b>0.1791</b> | <b>0.0472</b>  | <b>1.0200e-003</b> | <b>0.0482</b> |          | <b>160.6324</b> | <b>160.6324</b> | <b>4.8200e-003</b> |     | <b>160.7530</b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10  | Exhaust PM10  | PM10 Total     | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total    | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|----------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |                |               |                |                |               |                | lb/day        |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 18.0663        | 0.0000        | 18.0663        | 9.9307         | 0.0000        | 9.9307         |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 3.8882        | 40.4971        | 21.1543        | 0.0380        |                | 2.0445        | 2.0445         |                | 1.8809        | 1.8809         | 0.0000        | 3,685.6569        | 3,685.6569        | 1.1920        |     | 3,715,4573        |
| <b>Total</b>  | <b>3.8882</b> | <b>40.4971</b> | <b>21.1543</b> | <b>0.0380</b> | <b>18.0663</b> | <b>2.0445</b> | <b>20.1107</b> | <b>9.9307</b>  | <b>1.8809</b> | <b>11.8116</b> | <b>0.0000</b> | <b>3,685.6569</b> | <b>3,685.6569</b> | <b>1.1920</b> |     | <b>3,715,4573</b> |

## OCSF Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Summer

**3.3 Site Preparation - 2021****Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0717        | 0.0574        | 0.5802        | 1.6100e-003        | 0.1780        | 1.1000e-003        | 0.1791        | 0.0472         | 1.0200e-003        | 0.0482        |          | 160.6324        | 160.6324        | 4.8200e-003        |     | 160.7530        |
| <b>Total</b> | <b>0.0717</b> | <b>0.0574</b> | <b>0.5802</b> | <b>1.6100e-003</b> | <b>0.1780</b> | <b>1.1000e-003</b> | <b>0.1791</b> | <b>0.0472</b>  | <b>1.0200e-003</b> | <b>0.0482</b> |          | <b>160.6324</b> | <b>160.6324</b> | <b>4.8200e-003</b> |     | <b>160.7530</b> |

**3.4 Grading - 2021****Unmitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total     | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |               |               |                |                |               |               | lb/day   |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 8.6733        | 0.0000        | 8.6733         | 3.5965         | 0.0000        | 3.5965        |          |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 4.1912        | 46.3998        | 30.8785        | 0.0620        |               | 1.9853        | 1.9853         |                | 1.8265        | 1.8265        |          | 6,007.0434        | 6,007.0434        | 1.9428        |     | 6,055.6134        |
| <b>Total</b>  | <b>4.1912</b> | <b>46.3998</b> | <b>30.8785</b> | <b>0.0620</b> | <b>8.6733</b> | <b>1.9853</b> | <b>10.6587</b> | <b>3.5965</b>  | <b>1.8265</b> | <b>5.4230</b> |          | <b>6,007.0434</b> | <b>6,007.0434</b> | <b>1.9428</b> |     | <b>6,055.6134</b> |

## OCSF Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Summer

**3.4 Grading - 2021****Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0797        | 0.0638        | 0.6447        | 1.7900e-003        | 0.1977        | 1.2200e-003        | 0.1990        | 0.0524         | 1.1300e-003        | 0.0536        |          | 178.4805        | 178.4805        | 5.3600e-003        |     | 178.6144        |
| <b>Total</b> | <b>0.0797</b> | <b>0.0638</b> | <b>0.6447</b> | <b>1.7900e-003</b> | <b>0.1977</b> | <b>1.2200e-003</b> | <b>0.1990</b> | <b>0.0524</b>  | <b>1.1300e-003</b> | <b>0.0536</b> |          | <b>178.4805</b> | <b>178.4805</b> | <b>5.3600e-003</b> |     | <b>178.6144</b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total     | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |               |               |                |                |               |               | lb/day        |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 8.6733        | 0.0000        | 8.6733         | 3.5965         | 0.0000        | 3.5965        |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 4.1912        | 46.3998        | 30.8785        | 0.0620        |               | 1.9853        | 1.9853         |                | 1.8265        | 1.8265        | 0.0000        | 6,007.0434        | 6,007.0434        | 1.9428        |     | 6,055.6134        |
| <b>Total</b>  | <b>4.1912</b> | <b>46.3998</b> | <b>30.8785</b> | <b>0.0620</b> | <b>8.6733</b> | <b>1.9853</b> | <b>10.6587</b> | <b>3.5965</b>  | <b>1.8265</b> | <b>5.4230</b> | <b>0.0000</b> | <b>6,007.0434</b> | <b>6,007.0434</b> | <b>1.9428</b> |     | <b>6,055.6134</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Summer

**3.4 Grading - 2021****Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0797        | 0.0638        | 0.6447        | 1.7900e-003        | 0.1977        | 1.2200e-003        | 0.1990        | 0.0524         | 1.1300e-003        | 0.0536        |          | 178.4805        | 178.4805        | 5.3600e-003        |     | 178.6144        |
| <b>Total</b> | <b>0.0797</b> | <b>0.0638</b> | <b>0.6447</b> | <b>1.7900e-003</b> | <b>0.1977</b> | <b>1.2200e-003</b> | <b>0.1990</b> | <b>0.0524</b>  | <b>1.1300e-003</b> | <b>0.0536</b> |          | <b>178.4805</b> | <b>178.4805</b> | <b>5.3600e-003</b> |     | <b>178.6144</b> |

**3.5 Paving - 2021****Unmitigated Construction On-Site**

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Off-Road     | 1.2556        | 12.9191        | 14.6532        | 0.0228        |               | 0.6777        | 0.6777        |                | 0.6235        | 0.6235        |          | 2,207.2109        | 2,207.2109        | 0.7139        |     | 2,225.0573        |
| Paving       | 0.0000        |                |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>1.2556</b> | <b>12.9191</b> | <b>14.6532</b> | <b>0.0228</b> |               | <b>0.6777</b> | <b>0.6777</b> |                | <b>0.6235</b> | <b>0.6235</b> |          | <b>2,207.2109</b> | <b>2,207.2109</b> | <b>0.7139</b> |     | <b>2,225.0573</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Summer

**3.5 Paving - 2021****Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0598        | 0.0479        | 0.4835        | 1.3400e-003        | 0.1483        | 9.2000e-004        | 0.1492        | 0.0393         | 8.5000e-004        | 0.0402        |          | 133.8603        | 133.8603        | 4.0200e-003        |     | 133.9608        |
| <b>Total</b> | <b>0.0598</b> | <b>0.0479</b> | <b>0.4835</b> | <b>1.3400e-003</b> | <b>0.1483</b> | <b>9.2000e-004</b> | <b>0.1492</b> | <b>0.0393</b>  | <b>8.5000e-004</b> | <b>0.0402</b> |          | <b>133.8603</b> | <b>133.8603</b> | <b>4.0200e-003</b> |     | <b>133.9608</b> |

**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     | 1.2556        | 12.9191        | 14.6532        | 0.0228        |               | 0.6777        | 0.6777        |                | 0.6235        | 0.6235        | 0.0000        | 2,207.2109        | 2,207.2109        | 0.7139        |     | 2,225.0573        |
| Paving       | 0.0000        |                |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>1.2556</b> | <b>12.9191</b> | <b>14.6532</b> | <b>0.0228</b> |               | <b>0.6777</b> | <b>0.6777</b> |                | <b>0.6235</b> | <b>0.6235</b> | <b>0.0000</b> | <b>2,207.2109</b> | <b>2,207.2109</b> | <b>0.7139</b> |     | <b>2,225.0573</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Summer

**3.5 Paving - 2021****Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0598        | 0.0479        | 0.4835        | 1.3400e-003        | 0.1483        | 9.2000e-004        | 0.1492        | 0.0393         | 8.5000e-004        | 0.0402        |          | 133.8603        | 133.8603        | 4.0200e-003        |     | 133.9608        |
| <b>Total</b> | <b>0.0598</b> | <b>0.0479</b> | <b>0.4835</b> | <b>1.3400e-003</b> | <b>0.1483</b> | <b>9.2000e-004</b> | <b>0.1492</b> | <b>0.0393</b>  | <b>8.5000e-004</b> | <b>0.0402</b> |          | <b>133.8603</b> | <b>133.8603</b> | <b>4.0200e-003</b> |     | <b>133.9608</b> |

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

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Off-Road     | 1.1028        | 11.1249        | 14.5805        | 0.0228        |               | 0.5679        | 0.5679        |                | 0.5225        | 0.5225        |          | 2,207.6603        | 2,207.6603        | 0.7140        |     | 2,225.5104        |
| Paving       | 0.0000        |                |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>1.1028</b> | <b>11.1249</b> | <b>14.5805</b> | <b>0.0228</b> |               | <b>0.5679</b> | <b>0.5679</b> |                | <b>0.5225</b> | <b>0.5225</b> |          | <b>2,207.6603</b> | <b>2,207.6603</b> | <b>0.7140</b> |     | <b>2,225.5104</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Summer

**3.5 Paving - 2022****Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0561        | 0.0430        | 0.4437        | 1.3000e-003        | 0.1483        | 8.9000e-004        | 0.1492        | 0.0393         | 8.2000e-004        | 0.0402        |          | 129.0740        | 129.0740        | 3.6100e-003        |     | 129.1642        |
| <b>Total</b> | <b>0.0561</b> | <b>0.0430</b> | <b>0.4437</b> | <b>1.3000e-003</b> | <b>0.1483</b> | <b>8.9000e-004</b> | <b>0.1492</b> | <b>0.0393</b>  | <b>8.2000e-004</b> | <b>0.0402</b> |          | <b>129.0740</b> | <b>129.0740</b> | <b>3.6100e-003</b> |     | <b>129.1642</b> |

**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     | 1.1028        | 11.1249        | 14.5805        | 0.0228        |               | 0.5679        | 0.5679        |                | 0.5225        | 0.5225        | 0.0000        | 2,207.6603        | 2,207.6603        | 0.7140        |     | 2,225.5104        |
| Paving       | 0.0000        |                |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>1.1028</b> | <b>11.1249</b> | <b>14.5805</b> | <b>0.0228</b> |               | <b>0.5679</b> | <b>0.5679</b> |                | <b>0.5225</b> | <b>0.5225</b> | <b>0.0000</b> | <b>2,207.6603</b> | <b>2,207.6603</b> | <b>0.7140</b> |     | <b>2,225.5104</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Summer

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

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0561        | 0.0430        | 0.4437        | 1.3000e-003        | 0.1483        | 8.9000e-004        | 0.1492        | 0.0393         | 8.2000e-004        | 0.0402        |          | 129.0740        | 129.0740        | 3.6100e-003        |     | 129.1642        |
| <b>Total</b> | <b>0.0561</b> | <b>0.0430</b> | <b>0.4437</b> | <b>1.3000e-003</b> | <b>0.1483</b> | <b>8.9000e-004</b> | <b>0.1492</b> | <b>0.0393</b>  | <b>8.2000e-004</b> | <b>0.0402</b> |          | <b>129.0740</b> | <b>129.0740</b> | <b>3.6100e-003</b> |     | <b>129.1642</b> |

**3.5 Paving - 2023****Unmitigated Construction On-Site**

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Off-Road     | 1.0327        | 10.1917        | 14.5842        | 0.0228        |               | 0.5102        | 0.5102        |                | 0.4694        | 0.4694        |          | 2,207.5841        | 2,207.5841        | 0.7140        |     | 2,225.4336        |
| Paving       | 0.0000        |                |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>1.0327</b> | <b>10.1917</b> | <b>14.5842</b> | <b>0.0228</b> |               | <b>0.5102</b> | <b>0.5102</b> |                | <b>0.4694</b> | <b>0.4694</b> |          | <b>2,207.5841</b> | <b>2,207.5841</b> | <b>0.7140</b> |     | <b>2,225.4336</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Summer

**3.5 Paving - 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     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0526        | 0.0387        | 0.4060        | 1.2500e-003        | 0.1483        | 8.7000e-004        | 0.1492        | 0.0393         | 8.0000e-004        | 0.0401        |          | 124.2316        | 124.2316        | 3.2200e-003        |     | 124.3122        |
| <b>Total</b> | <b>0.0526</b> | <b>0.0387</b> | <b>0.4060</b> | <b>1.2500e-003</b> | <b>0.1483</b> | <b>8.7000e-004</b> | <b>0.1492</b> | <b>0.0393</b>  | <b>8.0000e-004</b> | <b>0.0401</b> |          | <b>124.2316</b> | <b>124.2316</b> | <b>3.2200e-003</b> |     | <b>124.3122</b> |

**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     | 1.0327        | 10.1917        | 14.5842        | 0.0228        |               | 0.5102        | 0.5102        |                | 0.4694        | 0.4694        | 0.0000        | 2,207.5841        | 2,207.5841        | 0.7140        |     | 2,225.4336        |
| Paving       | 0.0000        |                |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>1.0327</b> | <b>10.1917</b> | <b>14.5842</b> | <b>0.0228</b> |               | <b>0.5102</b> | <b>0.5102</b> |                | <b>0.4694</b> | <b>0.4694</b> | <b>0.0000</b> | <b>2,207.5841</b> | <b>2,207.5841</b> | <b>0.7140</b> |     | <b>2,225.4336</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Summer

**3.5 Paving - 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     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0526        | 0.0387        | 0.4060        | 1.2500e-003        | 0.1483        | 8.7000e-004        | 0.1492        | 0.0393         | 8.0000e-004        | 0.0401        |          | 124.2316        | 124.2316        | 3.2200e-003        |     | 124.3122        |
| <b>Total</b> | <b>0.0526</b> | <b>0.0387</b> | <b>0.4060</b> | <b>1.2500e-003</b> | <b>0.1483</b> | <b>8.7000e-004</b> | <b>0.1492</b> | <b>0.0393</b>  | <b>8.0000e-004</b> | <b>0.0401</b> |          | <b>124.2316</b> | <b>124.2316</b> | <b>3.2200e-003</b> |     | <b>124.3122</b> |

**3.6 Building Construction - 2021****Unmitigated Construction On-Site**

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Off-Road     | 1.9009        | 17.4321        | 16.5752        | 0.0269        |               | 0.9586        | 0.9586        |                | 0.9013        | 0.9013        |          | 2,553.3639        | 2,553.3639        | 0.6160        |     | 2,568.7643        |
| <b>Total</b> | <b>1.9009</b> | <b>17.4321</b> | <b>16.5752</b> | <b>0.0269</b> |               | <b>0.9586</b> | <b>0.9586</b> |                | <b>0.9013</b> | <b>0.9013</b> |          | <b>2,553.3639</b> | <b>2,553.3639</b> | <b>0.6160</b> |     | <b>2,568.7643</b> |

## OCSF Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Summer

**3.6 Building Construction - 2021****Unmitigated Construction Off-Site**

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2               | Total CO2               | CH4           | N2O | CO2e                    |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------------|-------------------------|---------------|-----|-------------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                         |                         |               |     |                         |
| Hauling      | 0.0000        | 0.0000         | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000                  | 0.0000                  | 0.0000        |     | 0.0000                  |
| Vendor       | 0.6461        | 20.6057        | 5.6858         | 0.0437        | 1.0121        | 0.0578        | 1.0699        | 0.2915         | 0.0553        | 0.3468        |          | 4,655.530<br>0          | 4,655.530<br>0          | 0.2623        |     | 4,662.087<br>9          |
| Worker       | 2.8522        | 2.2847         | 23.0800        | 0.0642        | 7.0785        | 0.0438        | 7.1223        | 1.8774         | 0.0404        | 1.9178        |          | 6,389.600<br>1          | 6,389.600<br>1          | 0.1919        |     | 6,394.397<br>1          |
| <b>Total</b> | <b>3.4983</b> | <b>22.8904</b> | <b>28.7658</b> | <b>0.1078</b> | <b>8.0906</b> | <b>0.1016</b> | <b>8.1922</b> | <b>2.1689</b>  | <b>0.0957</b> | <b>2.2646</b> |          | <b>11,045.13<br/>01</b> | <b>11,045.13<br/>01</b> | <b>0.4542</b> |     | <b>11,056.48<br/>50</b> |

**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     | 1.9009        | 17.4321        | 16.5752        | 0.0269        |               | 0.9586        | 0.9586        |                | 0.9013        | 0.9013        | 0.0000        | 2,553.363<br>9         | 2,553.363<br>9         | 0.6160        |     | 2,568.764<br>3         |
| <b>Total</b> | <b>1.9009</b> | <b>17.4321</b> | <b>16.5752</b> | <b>0.0269</b> |               | <b>0.9586</b> | <b>0.9586</b> |                | <b>0.9013</b> | <b>0.9013</b> | <b>0.0000</b> | <b>2,553.363<br/>9</b> | <b>2,553.363<br/>9</b> | <b>0.6160</b> |     | <b>2,568.764<br/>3</b> |

## OCSF Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Summer

**3.6 Building Construction - 2021****Mitigated Construction Off-Site**

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2               | Total CO2               | CH4           | N2O | CO2e                    |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------------|-------------------------|---------------|-----|-------------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                         |                         |               |     |                         |
| Hauling      | 0.0000        | 0.0000         | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000                  | 0.0000                  | 0.0000        |     | 0.0000                  |
| Vendor       | 0.6461        | 20.6057        | 5.6858         | 0.0437        | 1.0121        | 0.0578        | 1.0699        | 0.2915         | 0.0553        | 0.3468        |          | 4,655.530<br>0          | 4,655.530<br>0          | 0.2623        |     | 4,662.087<br>9          |
| Worker       | 2.8522        | 2.2847         | 23.0800        | 0.0642        | 7.0785        | 0.0438        | 7.1223        | 1.8774         | 0.0404        | 1.9178        |          | 6,389.600<br>1          | 6,389.600<br>1          | 0.1919        |     | 6,394.397<br>1          |
| <b>Total</b> | <b>3.4983</b> | <b>22.8904</b> | <b>28.7658</b> | <b>0.1078</b> | <b>8.0906</b> | <b>0.1016</b> | <b>8.1922</b> | <b>2.1689</b>  | <b>0.0957</b> | <b>2.2646</b> |          | <b>11,045.13<br/>01</b> | <b>11,045.13<br/>01</b> | <b>0.4542</b> |     | <b>11,056.48<br/>50</b> |

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

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                        |                        |               |     |                        |
| Off-Road     | 1.7062        | 15.6156        | 16.3634        | 0.0269        |               | 0.8090        | 0.8090        |                | 0.7612        | 0.7612        |          | 2,554.333<br>6         | 2,554.333<br>6         | 0.6120        |     | 2,569.632<br>2         |
| <b>Total</b> | <b>1.7062</b> | <b>15.6156</b> | <b>16.3634</b> | <b>0.0269</b> |               | <b>0.8090</b> | <b>0.8090</b> |                | <b>0.7612</b> | <b>0.7612</b> |          | <b>2,554.333<br/>6</b> | <b>2,554.333<br/>6</b> | <b>0.6120</b> |     | <b>2,569.632<br/>2</b> |

## OCSF Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Summer

**3.6 Building Construction - 2022****Unmitigated Construction Off-Site**

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2               | Total CO2               | CH4           | N2O | CO2e                    |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------------|-------------------------|---------------|-----|-------------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                         |                         |               |     |                         |
| Hauling      | 0.0000        | 0.0000         | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000                  | 0.0000                  | 0.0000        |     | 0.0000                  |
| Vendor       | 0.5974        | 19.5955        | 5.2437         | 0.0434        | 1.0123        | 0.0508        | 1.0631        | 0.2916         | 0.0486        | 0.3401        |          | 4,624.748<br>5          | 4,624.748<br>5          | 0.2591        |     | 4,631.224<br>7          |
| Worker       | 2.6756        | 2.0546         | 21.1789        | 0.0618        | 7.0785        | 0.0426        | 7.1211        | 1.8774         | 0.0393        | 1.9166        |          | 6,161.133<br>3          | 6,161.133<br>3          | 0.1722        |     | 6,165.437<br>1          |
| <b>Total</b> | <b>3.2730</b> | <b>21.6501</b> | <b>26.4226</b> | <b>0.1052</b> | <b>8.0908</b> | <b>0.0934</b> | <b>8.1842</b> | <b>2.1689</b>  | <b>0.0878</b> | <b>2.2568</b> |          | <b>10,785.88<br/>18</b> | <b>10,785.88<br/>18</b> | <b>0.4312</b> |     | <b>10,796.66<br/>18</b> |

**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     | 1.7062        | 15.6156        | 16.3634        | 0.0269        |               | 0.8090        | 0.8090        |                | 0.7612        | 0.7612        | 0.0000        | 2,554.333<br>6         | 2,554.333<br>6         | 0.6120        |     | 2,569.632<br>2         |
| <b>Total</b> | <b>1.7062</b> | <b>15.6156</b> | <b>16.3634</b> | <b>0.0269</b> |               | <b>0.8090</b> | <b>0.8090</b> |                | <b>0.7612</b> | <b>0.7612</b> | <b>0.0000</b> | <b>2,554.333<br/>6</b> | <b>2,554.333<br/>6</b> | <b>0.6120</b> |     | <b>2,569.632<br/>2</b> |

## OCSF Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Summer

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

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2               | Total CO2               | CH4           | N2O | CO2e                    |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------------|-------------------------|---------------|-----|-------------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                         |                         |               |     |                         |
| Hauling      | 0.0000        | 0.0000         | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000                  | 0.0000                  | 0.0000        |     | 0.0000                  |
| Vendor       | 0.5974        | 19.5955        | 5.2437         | 0.0434        | 1.0123        | 0.0508        | 1.0631        | 0.2916         | 0.0486        | 0.3401        |          | 4,624.748<br>5          | 4,624.748<br>5          | 0.2591        |     | 4,631.224<br>7          |
| Worker       | 2.6756        | 2.0546         | 21.1789        | 0.0618        | 7.0785        | 0.0426        | 7.1211        | 1.8774         | 0.0393        | 1.9166        |          | 6,161.133<br>3          | 6,161.133<br>3          | 0.1722        |     | 6,165.437<br>1          |
| <b>Total</b> | <b>3.2730</b> | <b>21.6501</b> | <b>26.4226</b> | <b>0.1052</b> | <b>8.0908</b> | <b>0.0934</b> | <b>8.1842</b> | <b>2.1689</b>  | <b>0.0878</b> | <b>2.2568</b> |          | <b>10,785.88<br/>18</b> | <b>10,785.88<br/>18</b> | <b>0.4312</b> |     | <b>10,796.66<br/>18</b> |

**3.6 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     | 1.5728        | 14.3849        | 16.2440        | 0.0269        |               | 0.6997        | 0.6997        |                | 0.6584        | 0.6584        |          | 2,555.209<br>9         | 2,555.209<br>9         | 0.6079        |     | 2,570.406<br>1         |
| <b>Total</b> | <b>1.5728</b> | <b>14.3849</b> | <b>16.2440</b> | <b>0.0269</b> |               | <b>0.6997</b> | <b>0.6997</b> |                | <b>0.6584</b> | <b>0.6584</b> |          | <b>2,555.209<br/>9</b> | <b>2,555.209<br/>9</b> | <b>0.6079</b> |     | <b>2,570.406<br/>1</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Summer

**3.6 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     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                    |                    |               |     |                    |
| Hauling      | 0.0000        | 0.0000         | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000             | 0.0000             | 0.0000        |     | 0.0000             |
| Vendor       | 0.4558        | 16.1828        | 4.6286         | 0.0426        | 1.0125        | 0.0236        | 1.0361        | 0.2917         | 0.0226        | 0.3142        |          | 4,549.8704         | 4,549.8704         | 0.2309        |     | 4,555.6438         |
| Worker       | 2.5112        | 1.8472         | 19.3796        | 0.0595        | 7.0785        | 0.0415        | 7.1200        | 1.8774         | 0.0383        | 1.9156        |          | 5,929.9860         | 5,929.9860         | 0.1539        |     | 5,933.8345         |
| <b>Total</b> | <b>2.9670</b> | <b>18.0300</b> | <b>24.0081</b> | <b>0.1021</b> | <b>8.0910</b> | <b>0.0651</b> | <b>8.1561</b> | <b>2.1690</b>  | <b>0.0608</b> | <b>2.2298</b> |          | <b>10,479.8563</b> | <b>10,479.8563</b> | <b>0.3849</b> |     | <b>10,489.4783</b> |

**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     | 1.5728        | 14.3849        | 16.2440        | 0.0269        |               | 0.6997        | 0.6997        |                | 0.6584        | 0.6584        | 0.0000        | 2,555.2099        | 2,555.2099        | 0.6079        |     | 2,570.4061        |
| <b>Total</b> | <b>1.5728</b> | <b>14.3849</b> | <b>16.2440</b> | <b>0.0269</b> |               | <b>0.6997</b> | <b>0.6997</b> |                | <b>0.6584</b> | <b>0.6584</b> | <b>0.0000</b> | <b>2,555.2099</b> | <b>2,555.2099</b> | <b>0.6079</b> |     | <b>2,570.4061</b> |

## OCSF Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Summer

**3.6 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     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                    |                    |               |     |                    |
| Hauling      | 0.0000        | 0.0000         | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000             | 0.0000             | 0.0000        |     | 0.0000             |
| Vendor       | 0.4558        | 16.1828        | 4.6286         | 0.0426        | 1.0125        | 0.0236        | 1.0361        | 0.2917         | 0.0226        | 0.3142        |          | 4,549.8704         | 4,549.8704         | 0.2309        |     | 4,555.6438         |
| Worker       | 2.5112        | 1.8472         | 19.3796        | 0.0595        | 7.0785        | 0.0415        | 7.1200        | 1.8774         | 0.0383        | 1.9156        |          | 5,929.9860         | 5,929.9860         | 0.1539        |     | 5,933.8345         |
| <b>Total</b> | <b>2.9670</b> | <b>18.0300</b> | <b>24.0081</b> | <b>0.1021</b> | <b>8.0910</b> | <b>0.0651</b> | <b>8.1561</b> | <b>2.1690</b>  | <b>0.0608</b> | <b>2.2298</b> |          | <b>10,479.8563</b> | <b>10,479.8563</b> | <b>0.3849</b> |     | <b>10,489.4783</b> |

**3.7 Architectural Coating - 2021****Unmitigated Construction On-Site**

|                 | ROG             | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|-----------------|-----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category        | lb/day          |               |               |                    |               |               |               |                |               |               | lb/day   |                 |                 |               |     |                 |
| Archit. Coating | 140.9130        |               |               |                    |               | 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        |          | 281.4481        | 281.4481        | 0.0193        |     | 281.9309        |
| <b>Total</b>    | <b>141.1319</b> | <b>1.5268</b> | <b>1.8176</b> | <b>2.9700e-003</b> |               | <b>0.0941</b> | <b>0.0941</b> |                | <b>0.0941</b> | <b>0.0941</b> |          | <b>281.4481</b> | <b>281.4481</b> | <b>0.0193</b> |     | <b>281.9309</b> |

## OCSF Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Summer

**3.7 Architectural Coating - 2021****Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|--------------|---------------|---------------|---------------|---------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category     | lb/day        |               |               |               |               |                    |               |                |                    |               | lb/day   |                        |                        |               |     |                        |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000                 | 0.0000                 | 0.0000        |     | 0.0000                 |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000                 | 0.0000                 | 0.0000        |     | 0.0000                 |
| Worker       | 0.5697        | 0.4563        | 4.6096        | 0.0128        | 1.4137        | 8.7500e-003        | 1.4225        | 0.3750         | 8.0800e-003        | 0.3830        |          | 1,276.135<br>2         | 1,276.135<br>2         | 0.0383        |     | 1,277.093<br>3         |
| <b>Total</b> | <b>0.5697</b> | <b>0.4563</b> | <b>4.6096</b> | <b>0.0128</b> | <b>1.4137</b> | <b>8.7500e-003</b> | <b>1.4225</b> | <b>0.3750</b>  | <b>8.0800e-003</b> | <b>0.3830</b> |          | <b>1,276.135<br/>2</b> | <b>1,276.135<br/>2</b> | <b>0.0383</b> |     | <b>1,277.093<br/>3</b> |

**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 | 140.9130        |               |               |                    |               | 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        | 0.0000        | 281.4481        | 281.4481        | 0.0193        |     | 281.9309        |
| <b>Total</b>    | <b>141.1319</b> | <b>1.5268</b> | <b>1.8176</b> | <b>2.9700e-003</b> |               | <b>0.0941</b> | <b>0.0941</b> |                | <b>0.0941</b> | <b>0.0941</b> | <b>0.0000</b> | <b>281.4481</b> | <b>281.4481</b> | <b>0.0193</b> |     | <b>281.9309</b> |

## OCSF Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Summer

**3.7 Architectural Coating - 2021****Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|--------------|---------------|---------------|---------------|---------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category     | lb/day        |               |               |               |               |                    |               |                |                    |               | lb/day   |                        |                        |               |     |                        |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000                 | 0.0000                 | 0.0000        |     | 0.0000                 |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000                 | 0.0000                 | 0.0000        |     | 0.0000                 |
| Worker       | 0.5697        | 0.4563        | 4.6096        | 0.0128        | 1.4137        | 8.7500e-003        | 1.4225        | 0.3750         | 8.0800e-003        | 0.3830        |          | 1,276.135<br>2         | 1,276.135<br>2         | 0.0383        |     | 1,277.093<br>3         |
| <b>Total</b> | <b>0.5697</b> | <b>0.4563</b> | <b>4.6096</b> | <b>0.0128</b> | <b>1.4137</b> | <b>8.7500e-003</b> | <b>1.4225</b> | <b>0.3750</b>  | <b>8.0800e-003</b> | <b>0.3830</b> |          | <b>1,276.135<br/>2</b> | <b>1,276.135<br/>2</b> | <b>0.0383</b> |     | <b>1,277.093<br/>3</b> |

**3.7 Architectural Coating - 2022****Unmitigated Construction On-Site**

|                 | ROG             | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|-----------------|-----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category        | lb/day          |               |               |                    |               |               |               |                |               |               | lb/day   |                 |                 |               |     |                 |
| Archit. Coating | 140.9130        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.2045          | 1.4085        | 1.8136        | 2.9700e-003        |               | 0.0817        | 0.0817        |                | 0.0817        | 0.0817        |          | 281.4481        | 281.4481        | 0.0183        |     | 281.9062        |
| <b>Total</b>    | <b>141.1175</b> | <b>1.4085</b> | <b>1.8136</b> | <b>2.9700e-003</b> |               | <b>0.0817</b> | <b>0.0817</b> |                | <b>0.0817</b> | <b>0.0817</b> |          | <b>281.4481</b> | <b>281.4481</b> | <b>0.0183</b> |     | <b>281.9062</b> |

## OCSF Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Summer

**3.7 Architectural Coating - 2022****Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |                    |               |                |                    |               | lb/day   |                   |                   |               |     |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Worker       | 0.5344        | 0.4104        | 4.2299        | 0.0124        | 1.4137        | 8.5100e-003        | 1.4222        | 0.3750         | 7.8400e-003        | 0.3828        |          | 1,230.5057        | 1,230.5057        | 0.0344        |     | 1,231.3652        |
| <b>Total</b> | <b>0.5344</b> | <b>0.4104</b> | <b>4.2299</b> | <b>0.0124</b> | <b>1.4137</b> | <b>8.5100e-003</b> | <b>1.4222</b> | <b>0.3750</b>  | <b>7.8400e-003</b> | <b>0.3828</b> |          | <b>1,230.5057</b> | <b>1,230.5057</b> | <b>0.0344</b> |     | <b>1,231.3652</b> |

**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 | 140.9130        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.2045          | 1.4085        | 1.8136        | 2.9700e-003        |               | 0.0817        | 0.0817        |                | 0.0817        | 0.0817        | 0.0000        | 281.4481        | 281.4481        | 0.0183        |     | 281.9062        |
| <b>Total</b>    | <b>141.1175</b> | <b>1.4085</b> | <b>1.8136</b> | <b>2.9700e-003</b> |               | <b>0.0817</b> | <b>0.0817</b> |                | <b>0.0817</b> | <b>0.0817</b> | <b>0.0000</b> | <b>281.4481</b> | <b>281.4481</b> | <b>0.0183</b> |     | <b>281.9062</b> |

## OCSF Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Summer

**3.7 Architectural Coating - 2022****Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |                    |               |                |                    |               | lb/day   |                   |                   |               |     |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Worker       | 0.5344        | 0.4104        | 4.2299        | 0.0124        | 1.4137        | 8.5100e-003        | 1.4222        | 0.3750         | 7.8400e-003        | 0.3828        |          | 1,230.5057        | 1,230.5057        | 0.0344        |     | 1,231.3652        |
| <b>Total</b> | <b>0.5344</b> | <b>0.4104</b> | <b>4.2299</b> | <b>0.0124</b> | <b>1.4137</b> | <b>8.5100e-003</b> | <b>1.4222</b> | <b>0.3750</b>  | <b>7.8400e-003</b> | <b>0.3828</b> |          | <b>1,230.5057</b> | <b>1,230.5057</b> | <b>0.0344</b> |     | <b>1,231.3652</b> |

**3.7 Architectural Coating - 2023****Unmitigated Construction On-Site**

|                 | ROG             | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|-----------------|-----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category        | lb/day          |               |               |                    |               |               |               |                |               |               | lb/day   |                 |                 |               |     |                 |
| Archit. Coating | 140.9130        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.1917          | 1.3030        | 1.8111        | 2.9700e-003        |               | 0.0708        | 0.0708        |                | 0.0708        | 0.0708        |          | 281.4481        | 281.4481        | 0.0168        |     | 281.8690        |
| <b>Total</b>    | <b>141.1046</b> | <b>1.3030</b> | <b>1.8111</b> | <b>2.9700e-003</b> |               | <b>0.0708</b> | <b>0.0708</b> |                | <b>0.0708</b> | <b>0.0708</b> |          | <b>281.4481</b> | <b>281.4481</b> | <b>0.0168</b> |     | <b>281.8690</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Summer

**3.7 Architectural Coating - 2023****Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |                    |               |                |                    |               | lb/day   |                   |                   |               |     |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Worker       | 0.5015        | 0.3689        | 3.8705        | 0.0119        | 1.4137        | 8.2900e-003        | 1.4220        | 0.3750         | 7.6400e-003        | 0.3826        |          | 1,184.3408        | 1,184.3408        | 0.0307        |     | 1,185.1094        |
| <b>Total</b> | <b>0.5015</b> | <b>0.3689</b> | <b>3.8705</b> | <b>0.0119</b> | <b>1.4137</b> | <b>8.2900e-003</b> | <b>1.4220</b> | <b>0.3750</b>  | <b>7.6400e-003</b> | <b>0.3826</b> |          | <b>1,184.3408</b> | <b>1,184.3408</b> | <b>0.0307</b> |     | <b>1,185.1094</b> |

**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 | 140.9130        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.1917          | 1.3030        | 1.8111        | 2.9700e-003        |               | 0.0708        | 0.0708        |                | 0.0708        | 0.0708        | 0.0000        | 281.4481        | 281.4481        | 0.0168        |     | 281.8690        |
| <b>Total</b>    | <b>141.1046</b> | <b>1.3030</b> | <b>1.8111</b> | <b>2.9700e-003</b> |               | <b>0.0708</b> | <b>0.0708</b> |                | <b>0.0708</b> | <b>0.0708</b> | <b>0.0000</b> | <b>281.4481</b> | <b>281.4481</b> | <b>0.0168</b> |     | <b>281.8690</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Summer

**3.7 Architectural Coating - 2023****Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |                    |               |                |                    |               | lb/day   |                   |                   |               |     |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Worker       | 0.5015        | 0.3689        | 3.8705        | 0.0119        | 1.4137        | 8.2900e-003        | 1.4220        | 0.3750         | 7.6400e-003        | 0.3826        |          | 1,184.3408        | 1,184.3408        | 0.0307        |     | 1,185.1094        |
| <b>Total</b> | <b>0.5015</b> | <b>0.3689</b> | <b>3.8705</b> | <b>0.0119</b> | <b>1.4137</b> | <b>8.2900e-003</b> | <b>1.4220</b> | <b>0.3750</b>  | <b>7.6400e-003</b> | <b>0.3826</b> |          | <b>1,184.3408</b> | <b>1,184.3408</b> | <b>0.0307</b> |     | <b>1,185.1094</b> |

**4.0 Operational Detail - Mobile****4.1 Mitigation Measures Mobile**

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD 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            |
|-------------|---------|---------|----------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------------|-----------------|--------|-----|-----------------|
| Category    | lb/day  |         |          |        |               |              |            |                |               |             | lb/day   |                 |                 |        |     |                 |
| Mitigated   | 16.7698 | 62.7565 | 188.5888 | 0.6374 | 62.9138       | 0.5508       | 63.4646    | 16.7988        | 0.5148        | 17.3137     |          | 64,385.38<br>97 | 64,385.38<br>97 | 2.2162 |     | 64,440.79<br>45 |
| Unmitigated | 16.7698 | 62.7565 | 188.5888 | 0.6374 | 62.9138       | 0.5508       | 63.4646    | 16.7988        | 0.5148        | 17.3137     |          | 64,385.38<br>97 | 64,385.38<br>97 | 2.2162 |     | 64,440.79<br>45 |

## 4.2 Trip Summary Information

| Land Use               | Average Daily Trip Rate |          |          | Unmitigated | Mitigated  |
|------------------------|-------------------------|----------|----------|-------------|------------|
|                        | Weekday                 | Saturday | Sunday   | Annual VMT  | Annual VMT |
| Apartments Low Rise    | 1,156.62                | 1,589.52 | 1347.54  | 3,166,112   | 3,166,112  |
| General Light Industry | 2,677.50                | 990.00   | 510.00   | 7,019,141   | 7,019,141  |
| Single Family Housing  | 5,057.64                | 6,629.79 | 5766.78  | 13,682,571  | 13,682,571 |
| Total                  | 8,891.76                | 9,209.31 | 7,624.32 | 23,867,824  | 23,867,824 |

## 4.3 Trip Type Information

| Land Use               | Miles      |            |             | Trip %     |            |             | Trip Purpose % |          |         |
|------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
|                        | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary        | Diverted | Pass-by |
| Apartments Low Rise    | 13.00      | 5.00       | 5.00        | 35.80      | 21.00      | 43.20       | 86             | 11       | 3       |
| General Light Industry | 13.00      | 5.00       | 5.00        | 59.00      | 28.00      | 13.00       | 92             | 5        | 3       |
| Single Family Housing  | 13.00      | 5.00       | 5.00        | 35.80      | 21.00      | 43.20       | 86             | 11       | 3       |

## 4.4 Fleet Mix

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Summer

| Land Use               | LDA      | LDT1     | LDT2     | MDV      | LHD1     | LHD2     | MHD      | HHD      | OBUS     | UBUS     | MCY      | SBUS     | MH       |
|------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Apartments Low Rise    | 0.588806 | 0.027737 | 0.198305 | 0.114471 | 0.022249 | 0.005748 | 0.012759 | 0.019721 | 0.002316 | 0.001163 | 0.004776 | 0.000758 | 0.001192 |
| General Light Industry | 0.588806 | 0.027737 | 0.198305 | 0.114471 | 0.022249 | 0.005748 | 0.012759 | 0.019721 | 0.002316 | 0.001163 | 0.004776 | 0.000758 | 0.001192 |
| Single Family Housing  | 0.588806 | 0.027737 | 0.198305 | 0.114471 | 0.022249 | 0.005748 | 0.012759 | 0.019721 | 0.002316 | 0.001163 | 0.004776 | 0.000758 | 0.001192 |

## 5.0 Energy Detail

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Historical Energy Use: N

### 5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

|                        | ROG    | NOx     | CO     | SO2    | Fugitive 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   | 1.2260 | 10.7954 | 6.7964 | 0.0669 |               | 0.8470       | 0.8470     |                | 0.8470        | 0.8470      |          | 13,374.2756 | 13,374.2756 | 0.2563 | 0.2452 | 13,453.7522 |
| NaturalGas Unmitigated | 1.2260 | 10.7954 | 6.7964 | 0.0669 |               | 0.8470       | 0.8470     |                | 0.8470        | 0.8470      |          | 13,374.2756 | 13,374.2756 | 0.2563 | 0.2452 | 13,453.7522 |

## OCSF Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Summer

**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   |                    |                    |               |               |                    |
| Apartments Low Rise    | 6203.14        | 0.0669        | 0.5717         | 0.2433        | 3.6500e-003   |               | 0.0462        | 0.0462        |                | 0.0462        | 0.0462        |          | 729.7807           | 729.7807           | 0.0140        | 0.0134        | 734.1175           |
| General Light Industry | 54205.5        | 0.5846        | 5.3143         | 4.4640        | 0.0319        |               | 0.4039        | 0.4039        |                | 0.4039        | 0.4039        |          | 6,377.1152         | 6,377.1152         | 0.1222        | 0.1169        | 6,415.0112         |
| Single Family Housing  | 53272.7        | 0.5745        | 4.9095         | 2.0891        | 0.0313        |               | 0.3969        | 0.3969        |                | 0.3969        | 0.3969        |          | 6,267.3796         | 6,267.3796         | 0.1201        | 0.1149        | 6,304.6235         |
| <b>Total</b>           |                | <b>1.2260</b> | <b>10.7954</b> | <b>6.7964</b> | <b>0.0669</b> |               | <b>0.8470</b> | <b>0.8470</b> |                | <b>0.8470</b> | <b>0.8470</b> |          | <b>13,374.2756</b> | <b>13,374.2756</b> | <b>0.2563</b> | <b>0.2452</b> | <b>13,453.7522</b> |

**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   |                    |                    |               |               |                    |
| Apartments Low Rise    | 6.20314        | 0.0669        | 0.5717         | 0.2433        | 3.6500e-003   |               | 0.0462        | 0.0462        |                | 0.0462        | 0.0462        |          | 729.7807           | 729.7807           | 0.0140        | 0.0134        | 734.1175           |
| General Light Industry | 54.2055        | 0.5846        | 5.3143         | 4.4640        | 0.0319        |               | 0.4039        | 0.4039        |                | 0.4039        | 0.4039        |          | 6,377.1152         | 6,377.1152         | 0.1222        | 0.1169        | 6,415.0112         |
| Single Family Housing  | 53.2727        | 0.5745        | 4.9095         | 2.0891        | 0.0313        |               | 0.3969        | 0.3969        |                | 0.3969        | 0.3969        |          | 6,267.3796         | 6,267.3796         | 0.1201        | 0.1149        | 6,304.6235         |
| <b>Total</b>           |                | <b>1.2260</b> | <b>10.7954</b> | <b>6.7964</b> | <b>0.0669</b> |               | <b>0.8470</b> | <b>0.8470</b> |                | <b>0.8470</b> | <b>0.8470</b> |          | <b>13,374.2756</b> | <b>13,374.2756</b> | <b>0.2563</b> | <b>0.2452</b> | <b>13,453.7522</b> |

**6.0 Area Detail**

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Summer

**6.1 Mitigation Measures Area**

|             | ROG     | NOx    | CO      | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4    | N2O    | CO2e     |
|-------------|---------|--------|---------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|----------|
| Category    | lb/day  |        |         |             |               |              |            |                |               |             | lb/day   |           |           |        |        |          |
| Mitigated   | 55.5818 | 0.8473 | 73.5542 | 3.8900e-003 |               | 0.4075       | 0.4075     |                | 0.4075        | 0.4075      | 0.0000   | 132.5242  | 132.5242  | 0.1274 | 0.0000 | 135.7099 |
| Unmitigated | 55.5818 | 0.8473 | 73.5542 | 3.8900e-003 |               | 0.4075       | 0.4075     |                | 0.4075        | 0.4075      | 0.0000   | 132.5242  | 132.5242  | 0.1274 | 0.0000 | 135.7099 |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Summer

**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 | 6.7947         |               |                |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                 | 0.0000          |               |               | 0.0000          |
| Consumer Products     | 46.5707        |               |                |                    |               | 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           | 2.2164         | 0.8473        | 73.5542        | 3.8900e-003        |               | 0.4075        | 0.4075        |                | 0.4075        | 0.4075        |               | 132.5242        | 132.5242        | 0.1274        |               | 135.7099        |
| <b>Total</b>          | <b>55.5818</b> | <b>0.8473</b> | <b>73.5542</b> | <b>3.8900e-003</b> |               | <b>0.4075</b> | <b>0.4075</b> |                | <b>0.4075</b> | <b>0.4075</b> | <b>0.0000</b> | <b>132.5242</b> | <b>132.5242</b> | <b>0.1274</b> | <b>0.0000</b> | <b>135.7099</b> |

## OCSP Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Summer

**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 | 6.7947         |               |                |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                 | 0.0000          |               |               | 0.0000          |
| Consumer Products     | 46.5707        |               |                |                    |               | 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           | 2.2164         | 0.8473        | 73.5542        | 3.8900e-003        |               | 0.4075        | 0.4075        |                | 0.4075        | 0.4075        |               | 132.5242        | 132.5242        | 0.1274        |               | 135.7099        |
| <b>Total</b>          | <b>55.5818</b> | <b>0.8473</b> | <b>73.5542</b> | <b>3.8900e-003</b> |               | <b>0.4075</b> | <b>0.4075</b> |                | <b>0.4075</b> | <b>0.4075</b> | <b>0.0000</b> | <b>132.5242</b> | <b>132.5242</b> | <b>0.1274</b> | <b>0.0000</b> | <b>135.7099</b> |

**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

**8.0 Waste Detail****8.1 Mitigation Measures Waste**

## OCSF Alternative 1 - 2024 - San Luis Obispo County APCD Air District, Summer

Institute Recycling and Composting Services

**9.0 Operational Offroad**

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

**10.0 Stationary Equipment**

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**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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## OCSP Alternative 1 - 2030 - San Luis Obispo County APCD Air District, Annual

**OCSP Alternative 1 - 2030**  
**San Luis Obispo County APCD Air District, Annual**

## 1.0 Project Characteristics

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### 1.1 Land Usage

| Land Uses              | Size   | Metric        | Lot Acreage | Floor Surface Area | Population |
|------------------------|--------|---------------|-------------|--------------------|------------|
| General Light Industry | 750.00 | 1000sqft      | 86.00       | 750,000.00         | 0          |
| Apartments Low Rise    | 222.00 | Dwelling Unit | 13.88       | 222,000.00         | 635        |
| Single Family Housing  | 669.00 | Dwelling Unit | 257.82      | 1,204,200.00       | 1913       |

### 1.2 Other Project Characteristics

|                             |                                |                             |       |                             |       |
|-----------------------------|--------------------------------|-----------------------------|-------|-----------------------------|-------|
| Urbanization                | Urban                          | Wind Speed (m/s)            | 3.2   | Precipitation Freq (Days)   | 44    |
| Climate Zone                | 4                              |                             |       | Operational Year            | 2030  |
| Utility Company             | Pacific Gas & Electric Company |                             |       |                             |       |
| CO2 Intensity<br>(lb/MW hr) | 298.3                          | CH4 Intensity<br>(lb/MW hr) | 0.013 | N2O Intensity<br>(lb/MW hr) | 0.003 |

### 1.3 User Entered Comments & Non-Default Data

OCSP Alternative 1 - 2030 - San Luis Obispo County APCD Air District, Annual

Project Characteristics - Adjusted to match Ambient AQ GHG Study.

Land Use - Adjusted to match Plan Area.

Construction Phase - Operational emissions only.

Vehicle Trips - SFR and MFR adjusted to match Ambient AQ GHG Study and industrial to match traffic estimates for Alt 1.

Area Coating - Adjusted to match Ambient AQ GHG study.

Energy Use -

Water And Wastewater - Adjusted to match Ambient AQ GHG Study.

Waste Mitigation - Adjusted to match Ambient's AQ GHG Study.

## OCSP Alternative 1 - 2030 - San Luis Obispo County APCD Air District, Annual

| Table Name                | Column Name                     | Default Value | New Value |
|---------------------------|---------------------------------|---------------|-----------|
| tblAreaCoating            | Area_EF_Nonresidential_Exterior | 250           | 100       |
| tblAreaCoating            | Area_EF_Nonresidential_Interior | 250           | 100       |
| tblAreaCoating            | Area_EF_Residential_Exterior    | 250           | 100       |
| tblAreaCoating            | Area_EF_Residential_Interior    | 250           | 100       |
| tblLandUse                | LotAcreage                      | 17.22         | 86.00     |
| tblLandUse                | LotAcreage                      | 217.21        | 257.82    |
| tblProjectCharacteristics | CH4IntensityFactor              | 0.029         | 0.013     |
| tblProjectCharacteristics | CO2IntensityFactor              | 641.35        | 298.3     |
| tblProjectCharacteristics | N2OIntensityFactor              | 0.006         | 0.003     |
| tblVehicleTrips           | WD_TR                           | 6.59          | 5.21      |
| tblVehicleTrips           | WD_TR                           | 6.97          | 3.57      |
| tblVehicleTrips           | WD_TR                           | 9.52          | 7.56      |
| tblWater                  | AerobicPercent                  | 87.46         | 97.79     |
| tblWater                  | AerobicPercent                  | 87.46         | 97.79     |
| tblWater                  | AerobicPercent                  | 87.46         | 97.79     |
| tblWater                  | SepticTankPercent               | 10.33         | 0.00      |
| tblWater                  | SepticTankPercent               | 10.33         | 0.00      |
| tblWater                  | SepticTankPercent               | 10.33         | 0.00      |

## 2.0 Emissions Summary

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## OCSP Alternative 1 - 2030 - San Luis Obispo County APCD Air District, Annual

**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    |            |            |        |        |            |
| 2020    | 0.1456  | 1.4752 | 0.8203 | 1.4700e-003 | 0.4849        | 0.0757       | 0.5606     | 0.2648         | 0.0698        | 0.3346      | 0.0000   | 129.4002   | 129.4002   | 0.0389 | 0.0000 | 130.3726   |
| 2021    | 4.3585  | 6.9065 | 6.3517 | 0.0147      | 1.2132        | 0.2693       | 1.4825     | 0.4436         | 0.2492        | 0.6928      | 0.0000   | 1,319.5549 | 1,319.5549 | 0.2393 | 0.0000 | 1,325.5378 |
| 2022    | 19.2251 | 6.5857 | 8.2329 | 0.0219      | 1.2226        | 0.2032       | 1.4258     | 0.3279         | 0.1902        | 0.5181      | 0.0000   | 1,985.3842 | 1,985.3842 | 0.2141 | 0.0000 | 1,990.7363 |
| 2023    | 10.6808 | 3.2369 | 4.3763 | 0.0119      | 0.6819        | 0.0983       | 0.7801     | 0.1829         | 0.0920        | 0.2748      | 0.0000   | 1,084.5245 | 1,084.5245 | 0.1156 | 0.0000 | 1,087.4156 |
| Maximum | 19.2251 | 6.9065 | 8.2329 | 0.0219      | 1.2226        | 0.2693       | 1.4825     | 0.4436         | 0.2492        | 0.6928      | 0.0000   | 1,985.3842 | 1,985.3842 | 0.2393 | 0.0000 | 1,990.7363 |

## OCSP Alternative 1 - 2030 - San Luis Obispo County APCD Air District, Annual

**2.1 Overall Construction****Mitigated Construction**

|         | ROG     | NOx    | CO     | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2  | Total CO2  | CH4    | N2O    | CO2e       |
|---------|---------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|--------|------------|
| Year    | tons/yr |        |        |             |               |              |            |                |               |             | MT/yr    |            |            |        |        |            |
| 2020    | 0.1456  | 1.4752 | 0.8203 | 1.4700e-003 | 0.4849        | 0.0757       | 0.5606     | 0.2648         | 0.0698        | 0.3346      | 0.0000   | 129.4000   | 129.4000   | 0.0389 | 0.0000 | 130.3725   |
| 2021    | 4.3585  | 6.9065 | 6.3517 | 0.0147      | 1.2132        | 0.2693       | 1.4825     | 0.4436         | 0.2492        | 0.6928      | 0.0000   | 1,319.5540 | 1,319.5540 | 0.2393 | 0.0000 | 1,325.5369 |
| 2022    | 19.2251 | 6.5857 | 8.2329 | 0.0219      | 1.2226        | 0.2032       | 1.4258     | 0.3279         | 0.1902        | 0.5181      | 0.0000   | 1,985.3835 | 1,985.3835 | 0.2141 | 0.0000 | 1,990.7356 |
| 2023    | 10.6808 | 3.2369 | 4.3763 | 0.0119      | 0.6819        | 0.0983       | 0.7801     | 0.1829         | 0.0920        | 0.2748      | 0.0000   | 1,084.5241 | 1,084.5241 | 0.1156 | 0.0000 | 1,087.4152 |
| Maximum | 19.2251 | 6.9065 | 8.2329 | 0.0219      | 1.2226        | 0.2693       | 1.4825     | 0.4436         | 0.2492        | 0.6928      | 0.0000   | 1,985.3835 | 1,985.3835 | 0.2393 | 0.0000 | 1,990.7356 |

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

| Quarter | Start Date | End Date   | Maximum Unmitigated ROG + NOX (tons/quarter) | Maximum Mitigated ROG + NOX (tons/quarter) |
|---------|------------|------------|----------------------------------------------|--------------------------------------------|
| 5       | 9-20-2020  | 12-19-2020 | 1.4090                                       | 1.4090                                     |
| 6       | 12-20-2020 | 3-19-2021  | 1.5694                                       | 1.5694                                     |
| 7       | 3-20-2021  | 6-19-2021  | 1.9578                                       | 1.9578                                     |
| 8       | 6-20-2021  | 9-19-2021  | 2.0288                                       | 2.0288                                     |
| 9       | 9-20-2021  | 12-19-2021 | 4.9989                                       | 4.9989                                     |
| 10      | 12-20-2021 | 3-19-2022  | 6.4129                                       | 6.4129                                     |
| 11      | 3-20-2022  | 6-19-2022  | 6.5101                                       | 6.5101                                     |
| 12      | 6-20-2022  | 9-19-2022  | 6.5071                                       | 6.5071                                     |

## OCSP Alternative 1 - 2030 - San Luis Obispo County APCD Air District, Annual

|    |            |            |        |        |
|----|------------|------------|--------|--------|
| 13 | 9-20-2022  | 12-19-2022 | 6.4566 | 6.4566 |
| 14 | 12-20-2022 | 3-19-2023  | 6.2062 | 6.2062 |
| 15 | 3-20-2023  | 6-19-2023  | 6.2966 | 6.2966 |
| 16 | 6-20-2023  | 9-19-2023  | 2.1891 | 2.1891 |
|    |            | Highest    | 6.5101 | 6.5101 |

## 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         | 10.1022        | 0.1396        | 12.1094        | 6.4000e-004   |               | 0.0673        | 0.0673        |                | 0.0673        | 0.0673        | 0.0000          | 19.8370            | 19.8370            | 0.0189         | 0.0000        | 20.3104            |
| Energy       | 0.2237         | 1.9702        | 1.2403         | 0.0122        |               | 0.1546        | 0.1546        |                | 0.1546        | 0.1546        | 0.0000          | 3,915.4746         | 3,915.4746         | 0.1166         | 0.0577        | 3,935.5849         |
| Mobile       | 1.6051         | 6.7800        | 18.7479        | 0.0753        | 8.9417        | 0.0542        | 8.9958        | 2.3905         | 0.0504        | 2.4409        | 0.0000          | 6,922.8328         | 6,922.8328         | 0.2187         | 0.0000        | 6,928.3001         |
| Waste        |                |               |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 368.7229        | 0.0000             | 368.7229           | 21.7909        | 0.0000        | 913.4955           |
| Water        |                |               |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 81.9014         | 186.8157           | 268.7172           | 2.1492         | 0.1800        | 376.0825           |
| <b>Total</b> | <b>11.9310</b> | <b>8.8897</b> | <b>32.0976</b> | <b>0.0881</b> | <b>8.9417</b> | <b>0.2760</b> | <b>9.2177</b> | <b>2.3905</b>  | <b>0.2723</b> | <b>2.6628</b> | <b>450.6244</b> | <b>11,044.9601</b> | <b>11,495.5845</b> | <b>24.2943</b> | <b>0.2377</b> | <b>12,173.7733</b> |

## OCSP Alternative 1 - 2030 - San Luis Obispo County APCD Air District, Annual

**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         | 10.1022        | 0.1396        | 12.1094        | 6.4000e-004   |               | 0.0673        | 0.0673        |                | 0.0673        | 0.0673        | 0.0000          | 19.8370            | 19.8370            | 0.0189         | 0.0000        | 20.3104            |
| Energy       | 0.2237         | 1.9702        | 1.2403         | 0.0122        |               | 0.1546        | 0.1546        |                | 0.1546        | 0.1546        | 0.0000          | 3,915.4746         | 3,915.4746         | 0.1166         | 0.0577        | 3,935.5849         |
| Mobile       | 1.6051         | 6.7800        | 18.7479        | 0.0753        | 8.9417        | 0.0542        | 8.9958        | 2.3905         | 0.0504        | 2.4409        | 0.0000          | 6,922.8328         | 6,922.8328         | 0.2187         | 0.0000        | 6,928.3001         |
| Waste        |                |               |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 154.8636        | 0.0000             | 154.8636           | 9.1522         | 0.0000        | 383.6681           |
| Water        |                |               |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 81.9014         | 186.8157           | 268.7172           | 2.1492         | 0.1800        | 376.0825           |
| <b>Total</b> | <b>11.9310</b> | <b>8.8897</b> | <b>32.0976</b> | <b>0.0881</b> | <b>8.9417</b> | <b>0.2760</b> | <b>9.2177</b> | <b>2.3905</b>  | <b>0.2723</b> | <b>2.6628</b> | <b>236.7651</b> | <b>11,044.9601</b> | <b>11,281.7252</b> | <b>11.6556</b> | <b>0.2377</b> | <b>11,643.9459</b> |

|                          | ROG         | NOx         | CO          | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2     | NBio-CO2    | Total CO2   | CH4          | N2O         | CO2e        |
|--------------------------|-------------|-------------|-------------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|--------------|-------------|-------------|--------------|-------------|-------------|
| <b>Percent Reduction</b> | <b>0.00</b> | <b>0.00</b> | <b>0.00</b> | <b>0.00</b> | <b>0.00</b>   | <b>0.00</b>  | <b>0.00</b> | <b>0.00</b>    | <b>0.00</b>   | <b>0.00</b> | <b>47.46</b> | <b>0.00</b> | <b>1.86</b> | <b>52.02</b> | <b>0.00</b> | <b>4.35</b> |

**3.0 Construction Detail****Construction Phase**

## OCSP Alternative 1 - 2030 - San Luis Obispo County APCD Air District, Annual

| Phase Number | Phase Name            | Phase Type            | Start Date | End Date   | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1            | Demolition            | Demolition            | 9/20/2020  | 10/19/2020 | 5             | 400      |                   |
| 2            | Site Preparation      | Site Preparation      | 10/20/2020 | 1/20/2021  | 5             | 240      |                   |
| 3            | Grading               | Grading               | 1/21/2021  | 7/21/2021  | 5             | 620      |                   |
| 4            | Paving                | Paving                | 4/24/2021  | 7/21/2023  | 5             | 440      |                   |
| 5            | Building Construction | Building Construction | 7/22/2021  | 7/21/2023  | 5             | 6200     |                   |
| 6            | Architectural Coating | Architectural Coating | 10/22/2021 | 7/21/2023  | 5             | 440      |                   |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 1550

Acres of Paving: 0

Residential Indoor: 2,888,055; Residential Outdoor: 962,685; Non-Residential Indoor: 1,125,000; Non-Residential Outdoor: 375,000; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

## OCSP Alternative 1 - 2030 - San Luis Obispo County APCD Air District, Annual

| Phase Name            | Offroad Equipment Type    | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Demolition            | Concrete/Industrial Saws  | 1      | 8.00        | 81          | 0.73        |
| Demolition            | Excavators                | 3      | 8.00        | 158         | 0.38        |
| Demolition            | Rubber Tired Dozers       | 2      | 8.00        | 247         | 0.40        |
| Site Preparation      | Rubber Tired Dozers       | 3      | 8.00        | 247         | 0.40        |
| Site Preparation      | Tractors/Loaders/Backhoes | 4      | 8.00        | 97          | 0.37        |
| Grading               | Excavators                | 2      | 8.00        | 158         | 0.38        |
| Grading               | Graders                   | 1      | 8.00        | 187         | 0.41        |
| Grading               | Rubber Tired Dozers       | 1      | 8.00        | 247         | 0.40        |
| Grading               | Scrapers                  | 2      | 8.00        | 367         | 0.48        |
| Grading               | Tractors/Loaders/Backhoes | 2      | 8.00        | 97          | 0.37        |
| Paving                | Pavers                    | 2      | 8.00        | 130         | 0.42        |
| Paving                | Paving Equipment          | 2      | 8.00        | 132         | 0.36        |
| Paving                | Rollers                   | 2      | 8.00        | 80          | 0.38        |
| Building Construction | Cranes                    | 1      | 7.00        | 231         | 0.29        |
| Building Construction | Forklifts                 | 3      | 8.00        | 89          | 0.20        |
| Building Construction | Generator Sets            | 1      | 8.00        | 84          | 0.74        |
| Building Construction | Tractors/Loaders/Backhoes | 3      | 7.00        | 97          | 0.37        |
| Building Construction | Welders                   | 1      | 8.00        | 46          | 0.45        |
| Architectural Coating | Air Compressors           | 1      | 6.00        | 78          | 0.48        |

Trips and VMT

## OCSP Alternative 1 - 2030 - San Luis Obispo County APCD Air District, Annual

| 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            | 6                       | 15.00              | 0.00               | 0.00                | 13.00              | 5.00               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Site Preparation      | 7                       | 18.00              | 0.00               | 0.00                | 13.00              | 5.00               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Grading               | 8                       | 20.00              | 0.00               | 0.00                | 13.00              | 5.00               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Paving                | 6                       | 15.00              | 0.00               | 0.00                | 13.00              | 5.00               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Building Construction | 9                       | 716.00             | 218.00             | 0.00                | 13.00              | 5.00               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Architectural Coating | 1                       | 143.00             | 0.00               | 0.00                | 13.00              | 5.00               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |

**3.1 Mitigation Measures Construction****3.2 Demolition - 2020****Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2      | Total CO2      | CH4           | N2O           | CO2e           |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category     | tons/yr       |               |               |                    |               |               |               |                |               |               | MT/yr         |                |                |               |               |                |
| Off-Road     | 0.0348        | 0.3486        | 0.2284        | 4.1000e-004        |               | 0.0174        | 0.0174        |                | 0.0162        | 0.0162        | 0.0000        | 35.6985        | 35.6985        | 0.0101        | 0.0000        | 35.9505        |
| <b>Total</b> | <b>0.0348</b> | <b>0.3486</b> | <b>0.2284</b> | <b>4.1000e-004</b> |               | <b>0.0174</b> | <b>0.0174</b> |                | <b>0.0162</b> | <b>0.0162</b> | <b>0.0000</b> | <b>35.6985</b> | <b>35.6985</b> | <b>0.0101</b> | <b>0.0000</b> | <b>35.9505</b> |

## OCSP Alternative 1 - 2030 - San Luis Obispo County APCD Air District, Annual

**3.2 Demolition - 2020****Unmitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |                    |                    |                    |                    |                    |                    |                    |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Vendor       | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Worker       | 6.9000e-004        | 6.3000e-004        | 5.4200e-003        | 1.0000e-005        | 1.5200e-003        | 1.0000e-005        | 1.5300e-003        | 4.0000e-004        | 1.0000e-005        | 4.1000e-004        | 0.0000        | 1.2685        | 1.2685        | 4.0000e-005        | 0.0000        | 1.2696        |
| <b>Total</b> | <b>6.9000e-004</b> | <b>6.3000e-004</b> | <b>5.4200e-003</b> | <b>1.0000e-005</b> | <b>1.5200e-003</b> | <b>1.0000e-005</b> | <b>1.5300e-003</b> | <b>4.0000e-004</b> | <b>1.0000e-005</b> | <b>4.1000e-004</b> | <b>0.0000</b> | <b>1.2685</b> | <b>1.2685</b> | <b>4.0000e-005</b> | <b>0.0000</b> | <b>1.2696</b> |

**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     | 0.0348        | 0.3486        | 0.2284        | 4.1000e-004        |               | 0.0174        | 0.0174        |                | 0.0162        | 0.0162        | 0.0000        | 35.6985        | 35.6985        | 0.0101        | 0.0000        | 35.9504        |
| <b>Total</b> | <b>0.0348</b> | <b>0.3486</b> | <b>0.2284</b> | <b>4.1000e-004</b> |               | <b>0.0174</b> | <b>0.0174</b> |                | <b>0.0162</b> | <b>0.0162</b> | <b>0.0000</b> | <b>35.6985</b> | <b>35.6985</b> | <b>0.0101</b> | <b>0.0000</b> | <b>35.9504</b> |

## OCSP Alternative 1 - 2030 - San Luis Obispo County APCD Air District, Annual

**3.2 Demolition - 2020****Mitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |                    |                    |                    |                    |                    |                    |                    |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Vendor       | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Worker       | 6.9000e-004        | 6.3000e-004        | 5.4200e-003        | 1.0000e-005        | 1.5200e-003        | 1.0000e-005        | 1.5300e-003        | 4.0000e-004        | 1.0000e-005        | 4.1000e-004        | 0.0000        | 1.2685        | 1.2685        | 4.0000e-005        | 0.0000        | 1.2696        |
| <b>Total</b> | <b>6.9000e-004</b> | <b>6.3000e-004</b> | <b>5.4200e-003</b> | <b>1.0000e-005</b> | <b>1.5200e-003</b> | <b>1.0000e-005</b> | <b>1.5300e-003</b> | <b>4.0000e-004</b> | <b>1.0000e-005</b> | <b>4.1000e-004</b> | <b>0.0000</b> | <b>1.2685</b> | <b>1.2685</b> | <b>4.0000e-005</b> | <b>0.0000</b> | <b>1.2696</b> |

**3.3 Site Preparation - 2020****Unmitigated Construction On-Site**

|               | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2      | Total CO2      | CH4           | N2O           | CO2e           |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category      | tons/yr       |               |               |                    |               |               |               |                |               |               | MT/yr         |                |                |               |               |                |
| Fugitive Dust |               |               |               |                    | 0.4788        | 0.0000        | 0.4788        | 0.2632         | 0.0000        | 0.2632        | 0.0000        | 0.0000         | 0.0000         | 0.0000        | 0.0000        | 0.0000         |
| Off-Road      | 0.1080        | 1.1241        | 0.5701        | 1.0100e-003        |               | 0.0582        | 0.0582        |                | 0.0536        | 0.0536        | 0.0000        | 88.5913        | 88.5913        | 0.0287        | 0.0000        | 89.3076        |
| <b>Total</b>  | <b>0.1080</b> | <b>1.1241</b> | <b>0.5701</b> | <b>1.0100e-003</b> | <b>0.4788</b> | <b>0.0582</b> | <b>0.5370</b> | <b>0.2632</b>  | <b>0.0536</b> | <b>0.3167</b> | <b>0.0000</b> | <b>88.5913</b> | <b>88.5913</b> | <b>0.0287</b> | <b>0.0000</b> | <b>89.3076</b> |

## OCSP Alternative 1 - 2030 - San Luis Obispo County APCD Air District, Annual

**3.3 Site Preparation - 2020****Unmitigated Construction Off-Site**

|              | ROG                | NOx                | CO            | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |               |                    |                    |                    |                    |                    |                    |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Vendor       | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Worker       | 2.0900e-003        | 1.9000e-003        | 0.0164        | 4.0000e-005        | 4.5900e-003        | 3.0000e-005        | 4.6200e-003        | 1.2200e-003        | 3.0000e-005        | 1.2500e-003        | 0.0000        | 3.8418        | 3.8418        | 1.3000e-004        | 0.0000        | 3.8450        |
| <b>Total</b> | <b>2.0900e-003</b> | <b>1.9000e-003</b> | <b>0.0164</b> | <b>4.0000e-005</b> | <b>4.5900e-003</b> | <b>3.0000e-005</b> | <b>4.6200e-003</b> | <b>1.2200e-003</b> | <b>3.0000e-005</b> | <b>1.2500e-003</b> | <b>0.0000</b> | <b>3.8418</b> | <b>3.8418</b> | <b>1.3000e-004</b> | <b>0.0000</b> | <b>3.8450</b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2      | Total CO2      | CH4           | N2O           | CO2e           |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category      | tons/yr       |               |               |                    |               |               |               |                |               |               | MT/yr         |                |                |               |               |                |
| Fugitive Dust |               |               |               |                    | 0.4788        | 0.0000        | 0.4788        | 0.2632         | 0.0000        | 0.2632        | 0.0000        | 0.0000         | 0.0000         | 0.0000        | 0.0000        | 0.0000         |
| Off-Road      | 0.1080        | 1.1241        | 0.5701        | 1.0100e-003        |               | 0.0582        | 0.0582        |                | 0.0536        | 0.0536        | 0.0000        | 88.5912        | 88.5912        | 0.0287        | 0.0000        | 89.3075        |
| <b>Total</b>  | <b>0.1080</b> | <b>1.1241</b> | <b>0.5701</b> | <b>1.0100e-003</b> | <b>0.4788</b> | <b>0.0582</b> | <b>0.5370</b> | <b>0.2632</b>  | <b>0.0536</b> | <b>0.3167</b> | <b>0.0000</b> | <b>88.5912</b> | <b>88.5912</b> | <b>0.0287</b> | <b>0.0000</b> | <b>89.3075</b> |

## OCSP Alternative 1 - 2030 - San Luis Obispo County APCD Air District, Annual

**3.3 Site Preparation - 2020****Mitigated Construction Off-Site**

|              | ROG                | NOx                | CO            | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |               |                    |                    |                    |                    |                    |                    |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Vendor       | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Worker       | 2.0900e-003        | 1.9000e-003        | 0.0164        | 4.0000e-005        | 4.5900e-003        | 3.0000e-005        | 4.6200e-003        | 1.2200e-003        | 3.0000e-005        | 1.2500e-003        | 0.0000        | 3.8418        | 3.8418        | 1.3000e-004        | 0.0000        | 3.8450        |
| <b>Total</b> | <b>2.0900e-003</b> | <b>1.9000e-003</b> | <b>0.0164</b> | <b>4.0000e-005</b> | <b>4.5900e-003</b> | <b>3.0000e-005</b> | <b>4.6200e-003</b> | <b>1.2200e-003</b> | <b>3.0000e-005</b> | <b>1.2500e-003</b> | <b>0.0000</b> | <b>3.8418</b> | <b>3.8418</b> | <b>1.3000e-004</b> | <b>0.0000</b> | <b>3.8450</b> |

**3.3 Site Preparation - 2021****Unmitigated Construction On-Site**

|               | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category      | tons/yr       |               |               |                    |               |               |               |                |               |               | MT/yr         |                |                |                    |               |                |
| Fugitive Dust |               |               |               |                    | 0.1265        | 0.0000        | 0.1265        | 0.0695         | 0.0000        | 0.0695        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Off-Road      | 0.0272        | 0.2835        | 0.1481        | 2.7000e-004        |               | 0.0143        | 0.0143        |                | 0.0132        | 0.0132        | 0.0000        | 23.4050        | 23.4050        | 7.5700e-003        | 0.0000        | 23.5942        |
| <b>Total</b>  | <b>0.0272</b> | <b>0.2835</b> | <b>0.1481</b> | <b>2.7000e-004</b> | <b>0.1265</b> | <b>0.0143</b> | <b>0.1408</b> | <b>0.0695</b>  | <b>0.0132</b> | <b>0.0827</b> | <b>0.0000</b> | <b>23.4050</b> | <b>23.4050</b> | <b>7.5700e-003</b> | <b>0.0000</b> | <b>23.5942</b> |

## OCSP Alternative 1 - 2030 - San Luis Obispo County APCD Air District, Annual

**3.3 Site Preparation - 2021****Unmitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |                    |                    |                    |                    |                    |                    |                    |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Vendor       | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Worker       | 5.1000e-004        | 4.5000e-004        | 3.9300e-003        | 1.0000e-005        | 1.2100e-003        | 1.0000e-005        | 1.2200e-003        | 3.2000e-004        | 1.0000e-005        | 3.3000e-004        | 0.0000        | 0.9802        | 0.9802        | 3.0000e-005        | 0.0000        | 0.9810        |
| <b>Total</b> | <b>5.1000e-004</b> | <b>4.5000e-004</b> | <b>3.9300e-003</b> | <b>1.0000e-005</b> | <b>1.2100e-003</b> | <b>1.0000e-005</b> | <b>1.2200e-003</b> | <b>3.2000e-004</b> | <b>1.0000e-005</b> | <b>3.3000e-004</b> | <b>0.0000</b> | <b>0.9802</b> | <b>0.9802</b> | <b>3.0000e-005</b> | <b>0.0000</b> | <b>0.9810</b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category      | tons/yr       |               |               |                    |               |               |               |                |               |               | MT/yr         |                |                |                    |               |                |
| Fugitive Dust |               |               |               |                    | 0.1265        | 0.0000        | 0.1265        | 0.0695         | 0.0000        | 0.0695        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Off-Road      | 0.0272        | 0.2835        | 0.1481        | 2.7000e-004        |               | 0.0143        | 0.0143        |                | 0.0132        | 0.0132        | 0.0000        | 23.4050        | 23.4050        | 7.5700e-003        | 0.0000        | 23.5942        |
| <b>Total</b>  | <b>0.0272</b> | <b>0.2835</b> | <b>0.1481</b> | <b>2.7000e-004</b> | <b>0.1265</b> | <b>0.0143</b> | <b>0.1408</b> | <b>0.0695</b>  | <b>0.0132</b> | <b>0.0827</b> | <b>0.0000</b> | <b>23.4050</b> | <b>23.4050</b> | <b>7.5700e-003</b> | <b>0.0000</b> | <b>23.5942</b> |

## OCSP Alternative 1 - 2030 - San Luis Obispo County APCD Air District, Annual

**3.3 Site Preparation - 2021****Mitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |                    |                    |                    |                    |                    |                    |                    |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Vendor       | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Worker       | 5.1000e-004        | 4.5000e-004        | 3.9300e-003        | 1.0000e-005        | 1.2100e-003        | 1.0000e-005        | 1.2200e-003        | 3.2000e-004        | 1.0000e-005        | 3.3000e-004        | 0.0000        | 0.9802        | 0.9802        | 3.0000e-005        | 0.0000        | 0.9810        |
| <b>Total</b> | <b>5.1000e-004</b> | <b>4.5000e-004</b> | <b>3.9300e-003</b> | <b>1.0000e-005</b> | <b>1.2100e-003</b> | <b>1.0000e-005</b> | <b>1.2200e-003</b> | <b>3.2000e-004</b> | <b>1.0000e-005</b> | <b>3.3000e-004</b> | <b>0.0000</b> | <b>0.9802</b> | <b>0.9802</b> | <b>3.0000e-005</b> | <b>0.0000</b> | <b>0.9810</b> |

**3.4 Grading - 2021****Unmitigated Construction On-Site**

|               | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O           | CO2e            |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category      | tons/yr       |               |               |                    |               |               |               |                |               |               | MT/yr         |                 |                 |               |               |                 |
| Fugitive Dust |               |               |               |                    | 0.5638        | 0.0000        | 0.5638        | 0.2338         | 0.0000        | 0.2338        | 0.0000        | 0.0000          | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| Off-Road      | 0.2724        | 3.0160        | 2.0071        | 4.0300e-003        |               | 0.1291        | 0.1291        |                | 0.1187        | 0.1187        | 0.0000        | 354.2174        | 354.2174        | 0.1146        | 0.0000        | 357.0814        |
| <b>Total</b>  | <b>0.2724</b> | <b>3.0160</b> | <b>2.0071</b> | <b>4.0300e-003</b> | <b>0.5638</b> | <b>0.1291</b> | <b>0.6928</b> | <b>0.2338</b>  | <b>0.1187</b> | <b>0.3525</b> | <b>0.0000</b> | <b>354.2174</b> | <b>354.2174</b> | <b>0.1146</b> | <b>0.0000</b> | <b>357.0814</b> |

## OCSP Alternative 1 - 2030 - San Luis Obispo County APCD Air District, Annual

**3.4 Grading - 2021****Unmitigated Construction Off-Site**

|              | ROG                | NOx                | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|--------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category     | tons/yr            |                    |               |                    |               |                    |               |                    |                    |                    | MT/yr         |                |                |                    |               |                |
| Hauling      | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Vendor       | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Worker       | 5.3000e-003        | 4.6200e-003        | 0.0405        | 1.1000e-004        | 0.0125        | 8.0000e-005        | 0.0126        | 3.3300e-003        | 7.0000e-005        | 3.4000e-003        | 0.0000        | 10.1135        | 10.1135        | 3.1000e-004        | 0.0000        | 10.1211        |
| <b>Total</b> | <b>5.3000e-003</b> | <b>4.6200e-003</b> | <b>0.0405</b> | <b>1.1000e-004</b> | <b>0.0125</b> | <b>8.0000e-005</b> | <b>0.0126</b> | <b>3.3300e-003</b> | <b>7.0000e-005</b> | <b>3.4000e-003</b> | <b>0.0000</b> | <b>10.1135</b> | <b>10.1135</b> | <b>3.1000e-004</b> | <b>0.0000</b> | <b>10.1211</b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O           | CO2e            |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category      | tons/yr       |               |               |                    |               |               |               |                |               |               | MT/yr         |                 |                 |               |               |                 |
| Fugitive Dust |               |               |               |                    | 0.5638        | 0.0000        | 0.5638        | 0.2338         | 0.0000        | 0.2338        | 0.0000        | 0.0000          | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| Off-Road      | 0.2724        | 3.0160        | 2.0071        | 4.0300e-003        |               | 0.1291        | 0.1291        |                | 0.1187        | 0.1187        | 0.0000        | 354.2170        | 354.2170        | 0.1146        | 0.0000        | 357.0810        |
| <b>Total</b>  | <b>0.2724</b> | <b>3.0160</b> | <b>2.0071</b> | <b>4.0300e-003</b> | <b>0.5638</b> | <b>0.1291</b> | <b>0.6928</b> | <b>0.2338</b>  | <b>0.1187</b> | <b>0.3525</b> | <b>0.0000</b> | <b>354.2170</b> | <b>354.2170</b> | <b>0.1146</b> | <b>0.0000</b> | <b>357.0810</b> |

## OCSP Alternative 1 - 2030 - San Luis Obispo County APCD Air District, Annual

**3.4 Grading - 2021****Mitigated Construction Off-Site**

|              | ROG                | NOx                | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|--------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category     | tons/yr            |                    |               |                    |               |                    |               |                    |                    |                    | MT/yr         |                |                |                    |               |                |
| Hauling      | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Vendor       | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Worker       | 5.3000e-003        | 4.6200e-003        | 0.0405        | 1.1000e-004        | 0.0125        | 8.0000e-005        | 0.0126        | 3.3300e-003        | 7.0000e-005        | 3.4000e-003        | 0.0000        | 10.1135        | 10.1135        | 3.1000e-004        | 0.0000        | 10.1211        |
| <b>Total</b> | <b>5.3000e-003</b> | <b>4.6200e-003</b> | <b>0.0405</b> | <b>1.1000e-004</b> | <b>0.0125</b> | <b>8.0000e-005</b> | <b>0.0126</b> | <b>3.3300e-003</b> | <b>7.0000e-005</b> | <b>3.4000e-003</b> | <b>0.0000</b> | <b>10.1135</b> | <b>10.1135</b> | <b>3.1000e-004</b> | <b>0.0000</b> | <b>10.1211</b> |

**3.5 Paving - 2021****Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O           | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category     | tons/yr       |               |               |                    |               |               |               |                |               |               | MT/yr         |                 |                 |               |               |                 |
| Off-Road     | 0.1130        | 1.1627        | 1.3188        | 2.0500e-003        |               | 0.0610        | 0.0610        |                | 0.0561        | 0.0561        | 0.0000        | 180.2113        | 180.2113        | 0.0583        | 0.0000        | 181.6684        |
| Paving       | 0.0000        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000          | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| <b>Total</b> | <b>0.1130</b> | <b>1.1627</b> | <b>1.3188</b> | <b>2.0500e-003</b> |               | <b>0.0610</b> | <b>0.0610</b> |                | <b>0.0561</b> | <b>0.0561</b> | <b>0.0000</b> | <b>180.2113</b> | <b>180.2113</b> | <b>0.0583</b> | <b>0.0000</b> | <b>181.6684</b> |

## OCSP Alternative 1 - 2030 - San Luis Obispo County APCD Air District, Annual

**3.5 Paving - 2021****Unmitigated Construction Off-Site**

|              | ROG                | NOx                | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|--------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category     | tons/yr            |                    |               |                    |               |                    |               |                    |                    |                    | MT/yr         |                |                |                    |               |                |
| Hauling      | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Vendor       | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Worker       | 5.5000e-003        | 4.8000e-003        | 0.0421        | 1.2000e-004        | 0.0130        | 8.0000e-005        | 0.0131        | 3.4500e-003        | 8.0000e-005        | 3.5300e-003        | 0.0000        | 10.5024        | 10.5024        | 3.2000e-004        | 0.0000        | 10.5104        |
| <b>Total</b> | <b>5.5000e-003</b> | <b>4.8000e-003</b> | <b>0.0421</b> | <b>1.2000e-004</b> | <b>0.0130</b> | <b>8.0000e-005</b> | <b>0.0131</b> | <b>3.4500e-003</b> | <b>8.0000e-005</b> | <b>3.5300e-003</b> | <b>0.0000</b> | <b>10.5024</b> | <b>10.5024</b> | <b>3.2000e-004</b> | <b>0.0000</b> | <b>10.5104</b> |

**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     | 0.1130        | 1.1627        | 1.3188        | 2.0500e-003        |               | 0.0610        | 0.0610        |                | 0.0561        | 0.0561        | 0.0000        | 180.2111        | 180.2111        | 0.0583        | 0.0000        | 181.6682        |
| Paving       | 0.0000        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000          | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| <b>Total</b> | <b>0.1130</b> | <b>1.1627</b> | <b>1.3188</b> | <b>2.0500e-003</b> |               | <b>0.0610</b> | <b>0.0610</b> |                | <b>0.0561</b> | <b>0.0561</b> | <b>0.0000</b> | <b>180.2111</b> | <b>180.2111</b> | <b>0.0583</b> | <b>0.0000</b> | <b>181.6682</b> |

## OCSP Alternative 1 - 2030 - San Luis Obispo County APCD Air District, Annual

**3.5 Paving - 2021****Mitigated Construction Off-Site**

|              | ROG                | NOx                | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|--------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category     | tons/yr            |                    |               |                    |               |                    |               |                    |                    |                    | MT/yr         |                |                |                    |               |                |
| Hauling      | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Vendor       | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Worker       | 5.5000e-003        | 4.8000e-003        | 0.0421        | 1.2000e-004        | 0.0130        | 8.0000e-005        | 0.0131        | 3.4500e-003        | 8.0000e-005        | 3.5300e-003        | 0.0000        | 10.5024        | 10.5024        | 3.2000e-004        | 0.0000        | 10.5104        |
| <b>Total</b> | <b>5.5000e-003</b> | <b>4.8000e-003</b> | <b>0.0421</b> | <b>1.2000e-004</b> | <b>0.0130</b> | <b>8.0000e-005</b> | <b>0.0131</b> | <b>3.4500e-003</b> | <b>8.0000e-005</b> | <b>3.5300e-003</b> | <b>0.0000</b> | <b>10.5024</b> | <b>10.5024</b> | <b>3.2000e-004</b> | <b>0.0000</b> | <b>10.5104</b> |

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

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O           | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category     | tons/yr       |               |               |                    |               |               |               |                |               |               | MT/yr         |                 |                 |               |               |                 |
| Off-Road     | 0.1434        | 1.4462        | 1.8955        | 2.9600e-003        |               | 0.0738        | 0.0738        |                | 0.0679        | 0.0679        | 0.0000        | 260.3583        | 260.3583        | 0.0842        | 0.0000        | 262.4634        |
| Paving       | 0.0000        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000          | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| <b>Total</b> | <b>0.1434</b> | <b>1.4462</b> | <b>1.8955</b> | <b>2.9600e-003</b> |               | <b>0.0738</b> | <b>0.0738</b> |                | <b>0.0679</b> | <b>0.0679</b> | <b>0.0000</b> | <b>260.3583</b> | <b>260.3583</b> | <b>0.0842</b> | <b>0.0000</b> | <b>262.4634</b> |

## OCSP Alternative 1 - 2030 - San Luis Obispo County APCD Air District, Annual

**3.5 Paving - 2022****Unmitigated Construction Off-Site**

|              | ROG                | NOx                | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|--------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category     | tons/yr            |                    |               |                    |               |                    |               |                    |                    |                    | MT/yr         |                |                |                    |               |                |
| Hauling      | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Vendor       | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Worker       | 7.4600e-003        | 6.2300e-003        | 0.0557        | 1.6000e-004        | 0.0188        | 1.2000e-004        | 0.0189        | 4.9900e-003        | 1.1000e-004        | 5.1000e-003        | 0.0000        | 14.6280        | 14.6280        | 4.1000e-004        | 0.0000        | 14.6382        |
| <b>Total</b> | <b>7.4600e-003</b> | <b>6.2300e-003</b> | <b>0.0557</b> | <b>1.6000e-004</b> | <b>0.0188</b> | <b>1.2000e-004</b> | <b>0.0189</b> | <b>4.9900e-003</b> | <b>1.1000e-004</b> | <b>5.1000e-003</b> | <b>0.0000</b> | <b>14.6280</b> | <b>14.6280</b> | <b>4.1000e-004</b> | <b>0.0000</b> | <b>14.6382</b> |

**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     | 0.1434        | 1.4462        | 1.8955        | 2.9600e-003        |               | 0.0738        | 0.0738        |                | 0.0679        | 0.0679        | 0.0000        | 260.3579        | 260.3579        | 0.0842        | 0.0000        | 262.4631        |
| Paving       | 0.0000        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000          | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| <b>Total</b> | <b>0.1434</b> | <b>1.4462</b> | <b>1.8955</b> | <b>2.9600e-003</b> |               | <b>0.0738</b> | <b>0.0738</b> |                | <b>0.0679</b> | <b>0.0679</b> | <b>0.0000</b> | <b>260.3579</b> | <b>260.3579</b> | <b>0.0842</b> | <b>0.0000</b> | <b>262.4631</b> |

## OCSP Alternative 1 - 2030 - San Luis Obispo County APCD Air District, Annual

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

|              | ROG                | NOx                | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|--------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category     | tons/yr            |                    |               |                    |               |                    |               |                    |                    |                    | MT/yr         |                |                |                    |               |                |
| Hauling      | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Vendor       | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Worker       | 7.4600e-003        | 6.2300e-003        | 0.0557        | 1.6000e-004        | 0.0188        | 1.2000e-004        | 0.0189        | 4.9900e-003        | 1.1000e-004        | 5.1000e-003        | 0.0000        | 14.6280        | 14.6280        | 4.1000e-004        | 0.0000        | 14.6382        |
| <b>Total</b> | <b>7.4600e-003</b> | <b>6.2300e-003</b> | <b>0.0557</b> | <b>1.6000e-004</b> | <b>0.0188</b> | <b>1.2000e-004</b> | <b>0.0189</b> | <b>4.9900e-003</b> | <b>1.1000e-004</b> | <b>5.1000e-003</b> | <b>0.0000</b> | <b>14.6280</b> | <b>14.6280</b> | <b>4.1000e-004</b> | <b>0.0000</b> | <b>14.6382</b> |

**3.5 Paving - 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     | 0.0749        | 0.7389        | 1.0574        | 1.6500e-003        |               | 0.0370        | 0.0370        |                | 0.0340        | 0.0340        | 0.0000        | 145.1948        | 145.1948        | 0.0470        | 0.0000        | 146.3688        |
| Paving       | 0.0000        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000          | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| <b>Total</b> | <b>0.0749</b> | <b>0.7389</b> | <b>1.0574</b> | <b>1.6500e-003</b> |               | <b>0.0370</b> | <b>0.0370</b> |                | <b>0.0340</b> | <b>0.0340</b> | <b>0.0000</b> | <b>145.1948</b> | <b>145.1948</b> | <b>0.0470</b> | <b>0.0000</b> | <b>146.3688</b> |

## OCSP Alternative 1 - 2030 - San Luis Obispo County APCD Air District, Annual

**3.5 Paving - 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       | 3.9100e-003        | 3.1200e-003        | 0.0284        | 9.0000e-005        | 0.0105        | 6.0000e-005        | 0.0105        | 2.7800e-003        | 6.0000e-005        | 2.8400e-003        | 0.0000        | 7.8519        | 7.8519        | 2.0000e-004        | 0.0000        | 7.8571        |
| <b>Total</b> | <b>3.9100e-003</b> | <b>3.1200e-003</b> | <b>0.0284</b> | <b>9.0000e-005</b> | <b>0.0105</b> | <b>6.0000e-005</b> | <b>0.0105</b> | <b>2.7800e-003</b> | <b>6.0000e-005</b> | <b>2.8400e-003</b> | <b>0.0000</b> | <b>7.8519</b> | <b>7.8519</b> | <b>2.0000e-004</b> | <b>0.0000</b> | <b>7.8571</b> |

**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     | 0.0749        | 0.7389        | 1.0574        | 1.6500e-003        |               | 0.0370        | 0.0370        |                | 0.0340        | 0.0340        | 0.0000        | 145.1946        | 145.1946        | 0.0470        | 0.0000        | 146.3686        |
| Paving       | 0.0000        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000          | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| <b>Total</b> | <b>0.0749</b> | <b>0.7389</b> | <b>1.0574</b> | <b>1.6500e-003</b> |               | <b>0.0370</b> | <b>0.0370</b> |                | <b>0.0340</b> | <b>0.0340</b> | <b>0.0000</b> | <b>145.1946</b> | <b>145.1946</b> | <b>0.0470</b> | <b>0.0000</b> | <b>146.3686</b> |

## OCSP Alternative 1 - 2030 - San Luis Obispo County APCD Air District, Annual

**3.5 Paving - 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       | 3.9100e-003        | 3.1200e-003        | 0.0284        | 9.0000e-005        | 0.0105        | 6.0000e-005        | 0.0105        | 2.7800e-003        | 6.0000e-005        | 2.8400e-003        | 0.0000        | 7.8519        | 7.8519        | 2.0000e-004        | 0.0000        | 7.8571        |
| <b>Total</b> | <b>3.9100e-003</b> | <b>3.1200e-003</b> | <b>0.0284</b> | <b>9.0000e-005</b> | <b>0.0105</b> | <b>6.0000e-005</b> | <b>0.0105</b> | <b>2.7800e-003</b> | <b>6.0000e-005</b> | <b>2.8400e-003</b> | <b>0.0000</b> | <b>7.8519</b> | <b>7.8519</b> | <b>2.0000e-004</b> | <b>0.0000</b> | <b>7.8571</b> |

**3.6 Building Construction - 2021****Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O           | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category     | tons/yr       |               |               |                    |               |               |               |                |               |               | MT/yr         |                 |                 |               |               |                 |
| Off-Road     | 0.1112        | 1.0198        | 0.9697        | 1.5700e-003        |               | 0.0561        | 0.0561        |                | 0.0527        | 0.0527        | 0.0000        | 135.5078        | 135.5078        | 0.0327        | 0.0000        | 136.3251        |
| <b>Total</b> | <b>0.1112</b> | <b>1.0198</b> | <b>0.9697</b> | <b>1.5700e-003</b> |               | <b>0.0561</b> | <b>0.0561</b> |                | <b>0.0527</b> | <b>0.0527</b> | <b>0.0000</b> | <b>135.5078</b> | <b>135.5078</b> | <b>0.0327</b> | <b>0.0000</b> | <b>136.3251</b> |

## OCSP Alternative 1 - 2030 - San Luis Obispo County APCD Air District, Annual

**3.6 Building Construction - 2021****Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O           | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category     | tons/yr       |               |               |                    |               |                    |               |                |                    |               | MT/yr         |                 |                 |               |               |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        | 0.0000        | 0.0000          | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| Vendor       | 0.0389        | 1.2140        | 0.3557        | 2.5200e-003        | 0.0579        | 3.4700e-003        | 0.0614        | 0.0167         | 3.3100e-003        | 0.0201        | 0.0000        | 243.8823        | 243.8823        | 0.0144        | 0.0000        | 244.2419        |
| Worker       | 0.1707        | 0.1488        | 1.3058        | 3.6100e-003        | 0.4032        | 2.5600e-003        | 0.4058        | 0.1072         | 2.3700e-003        | 0.1095        | 0.0000        | 325.8558        | 325.8558        | 9.8700e-003   | 0.0000        | 326.1025        |
| <b>Total</b> | <b>0.2096</b> | <b>1.3628</b> | <b>1.6615</b> | <b>6.1300e-003</b> | <b>0.4612</b> | <b>6.0300e-003</b> | <b>0.4672</b> | <b>0.1239</b>  | <b>5.6800e-003</b> | <b>0.1296</b> | <b>0.0000</b> | <b>569.7381</b> | <b>569.7381</b> | <b>0.0243</b> | <b>0.0000</b> | <b>570.3444</b> |

**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     | 0.1112        | 1.0198        | 0.9697        | 1.5700e-003        |               | 0.0561        | 0.0561        |                | 0.0527        | 0.0527        | 0.0000        | 135.5077        | 135.5077        | 0.0327        | 0.0000        | 136.3250        |
| <b>Total</b> | <b>0.1112</b> | <b>1.0198</b> | <b>0.9697</b> | <b>1.5700e-003</b> |               | <b>0.0561</b> | <b>0.0561</b> |                | <b>0.0527</b> | <b>0.0527</b> | <b>0.0000</b> | <b>135.5077</b> | <b>135.5077</b> | <b>0.0327</b> | <b>0.0000</b> | <b>136.3250</b> |

## OCSP Alternative 1 - 2030 - San Luis Obispo County APCD Air District, Annual

**3.6 Building Construction - 2021****Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O           | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category     | tons/yr       |               |               |                    |               |                    |               |                |                    |               | MT/yr         |                 |                 |               |               |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        | 0.0000        | 0.0000          | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| Vendor       | 0.0389        | 1.2140        | 0.3557        | 2.5200e-003        | 0.0579        | 3.4700e-003        | 0.0614        | 0.0167         | 3.3100e-003        | 0.0201        | 0.0000        | 243.8823        | 243.8823        | 0.0144        | 0.0000        | 244.2419        |
| Worker       | 0.1707        | 0.1488        | 1.3058        | 3.6100e-003        | 0.4032        | 2.5600e-003        | 0.4058        | 0.1072         | 2.3700e-003        | 0.1095        | 0.0000        | 325.8558        | 325.8558        | 9.8700e-003   | 0.0000        | 326.1025        |
| <b>Total</b> | <b>0.2096</b> | <b>1.3628</b> | <b>1.6615</b> | <b>6.1300e-003</b> | <b>0.4612</b> | <b>6.0300e-003</b> | <b>0.4672</b> | <b>0.1239</b>  | <b>5.6800e-003</b> | <b>0.1296</b> | <b>0.0000</b> | <b>569.7381</b> | <b>569.7381</b> | <b>0.0243</b> | <b>0.0000</b> | <b>570.3444</b> |

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

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O           | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category     | tons/yr       |               |               |                    |               |               |               |                |               |               | MT/yr         |                 |                 |               |               |                 |
| Off-Road     | 0.2218        | 2.0300        | 2.1272        | 3.5000e-003        |               | 0.1052        | 0.1052        |                | 0.0990        | 0.0990        | 0.0000        | 301.2428        | 301.2428        | 0.0722        | 0.0000        | 303.0471        |
| <b>Total</b> | <b>0.2218</b> | <b>2.0300</b> | <b>2.1272</b> | <b>3.5000e-003</b> |               | <b>0.1052</b> | <b>0.1052</b> |                | <b>0.0990</b> | <b>0.0990</b> | <b>0.0000</b> | <b>301.2428</b> | <b>301.2428</b> | <b>0.0722</b> | <b>0.0000</b> | <b>303.0471</b> |

## OCSP Alternative 1 - 2030 - San Luis Obispo County APCD Air District, Annual

**3.6 Building Construction - 2022****Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O           | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|---------------|-------------------|
| Category     | tons/yr       |               |               |               |               |               |               |                |               |               | MT/yr         |                   |                   |               |               |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000            | 0.0000            | 0.0000        | 0.0000        | 0.0000            |
| Vendor       | 0.0799        | 2.5633        | 0.7297        | 5.5600e-003   | 0.1288        | 6.7700e-003   | 0.1356        | 0.0372         | 6.4800e-003   | 0.0437        | 0.0000        | 538.2689          | 538.2689          | 0.0316        | 0.0000        | 539.0580          |
| Worker       | 0.3562        | 0.2974        | 2.6582        | 7.7300e-003   | 0.8961        | 5.5400e-003   | 0.9016        | 0.2381         | 5.1100e-003   | 0.2432        | 0.0000        | 698.2408          | 698.2408          | 0.0197        | 0.0000        | 698.7321          |
| <b>Total</b> | <b>0.4361</b> | <b>2.8607</b> | <b>3.3879</b> | <b>0.0133</b> | <b>1.0249</b> | <b>0.0123</b> | <b>1.0372</b> | <b>0.2754</b>  | <b>0.0116</b> | <b>0.2869</b> | <b>0.0000</b> | <b>1,236.5097</b> | <b>1,236.5097</b> | <b>0.0512</b> | <b>0.0000</b> | <b>1,237.7901</b> |

**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     | 0.2218        | 2.0300        | 2.1272        | 3.5000e-003        |               | 0.1052        | 0.1052        |                | 0.0990        | 0.0990        | 0.0000        | 301.2425        | 301.2425        | 0.0722        | 0.0000        | 303.0467        |
| <b>Total</b> | <b>0.2218</b> | <b>2.0300</b> | <b>2.1272</b> | <b>3.5000e-003</b> |               | <b>0.1052</b> | <b>0.1052</b> |                | <b>0.0990</b> | <b>0.0990</b> | <b>0.0000</b> | <b>301.2425</b> | <b>301.2425</b> | <b>0.0722</b> | <b>0.0000</b> | <b>303.0467</b> |

## OCSP Alternative 1 - 2030 - San Luis Obispo County APCD Air District, Annual

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

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O           | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|---------------|-------------------|
| Category     | tons/yr       |               |               |               |               |               |               |                |               |               | MT/yr         |                   |                   |               |               |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000            | 0.0000            | 0.0000        | 0.0000        | 0.0000            |
| Vendor       | 0.0799        | 2.5633        | 0.7297        | 5.5600e-003   | 0.1288        | 6.7700e-003   | 0.1356        | 0.0372         | 6.4800e-003   | 0.0437        | 0.0000        | 538.2689          | 538.2689          | 0.0316        | 0.0000        | 539.0580          |
| Worker       | 0.3562        | 0.2974        | 2.6582        | 7.7300e-003   | 0.8961        | 5.5400e-003   | 0.9016        | 0.2381         | 5.1100e-003   | 0.2432        | 0.0000        | 698.2408          | 698.2408          | 0.0197        | 0.0000        | 698.7321          |
| <b>Total</b> | <b>0.4361</b> | <b>2.8607</b> | <b>3.3879</b> | <b>0.0133</b> | <b>1.0249</b> | <b>0.0123</b> | <b>1.0372</b> | <b>0.2754</b>  | <b>0.0116</b> | <b>0.2869</b> | <b>0.0000</b> | <b>1,236.5097</b> | <b>1,236.5097</b> | <b>0.0512</b> | <b>0.0000</b> | <b>1,237.7901</b> |

**3.6 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     | 0.1140        | 1.0429        | 1.1777        | 1.9500e-003        |               | 0.0507        | 0.0507        |                | 0.0477        | 0.0477        | 0.0000        | 168.0584        | 168.0584        | 0.0400        | 0.0000        | 169.0579        |
| <b>Total</b> | <b>0.1140</b> | <b>1.0429</b> | <b>1.1777</b> | <b>1.9500e-003</b> |               | <b>0.0507</b> | <b>0.0507</b> |                | <b>0.0477</b> | <b>0.0477</b> | <b>0.0000</b> | <b>168.0584</b> | <b>168.0584</b> | <b>0.0400</b> | <b>0.0000</b> | <b>169.0579</b> |

## OCSP Alternative 1 - 2030 - San Luis Obispo County APCD Air District, Annual

**3.6 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       | 0.0340        | 1.1787        | 0.3575        | 3.0500e-003        | 0.0718        | 1.7500e-003        | 0.0736        | 0.0208         | 1.6700e-003        | 0.0224        | 0.0000        | 295.2542        | 295.2542        | 0.0157        | 0.0000        | 295.6457        |
| Worker       | 0.1866        | 0.1491        | 1.3537        | 4.1500e-003        | 0.4997        | 3.0100e-003        | 0.5028        | 0.1328         | 2.7700e-003        | 0.1356        | 0.0000        | 374.7989        | 374.7989        | 9.7800e-003   | 0.0000        | 375.0435        |
| <b>Total</b> | <b>0.2207</b> | <b>1.3278</b> | <b>1.7113</b> | <b>7.2000e-003</b> | <b>0.5716</b> | <b>4.7600e-003</b> | <b>0.5763</b> | <b>0.1536</b>  | <b>4.4400e-003</b> | <b>0.1580</b> | <b>0.0000</b> | <b>670.0532</b> | <b>670.0532</b> | <b>0.0254</b> | <b>0.0000</b> | <b>670.6892</b> |

**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     | 0.1140        | 1.0429        | 1.1777        | 1.9500e-003        |               | 0.0507        | 0.0507        |                | 0.0477        | 0.0477        | 0.0000        | 168.0582        | 168.0582        | 0.0400        | 0.0000        | 169.0577        |
| <b>Total</b> | <b>0.1140</b> | <b>1.0429</b> | <b>1.1777</b> | <b>1.9500e-003</b> |               | <b>0.0507</b> | <b>0.0507</b> |                | <b>0.0477</b> | <b>0.0477</b> | <b>0.0000</b> | <b>168.0582</b> | <b>168.0582</b> | <b>0.0400</b> | <b>0.0000</b> | <b>169.0577</b> |

## OCSP Alternative 1 - 2030 - San Luis Obispo County APCD Air District, Annual

**3.6 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       | 0.0340        | 1.1787        | 0.3575        | 3.0500e-003        | 0.0718        | 1.7500e-003        | 0.0736        | 0.0208         | 1.6700e-003        | 0.0224        | 0.0000        | 295.2542        | 295.2542        | 0.0157        | 0.0000        | 295.6457        |
| Worker       | 0.1866        | 0.1491        | 1.3537        | 4.1500e-003        | 0.4997        | 3.0100e-003        | 0.5028        | 0.1328         | 2.7700e-003        | 0.1356        | 0.0000        | 374.7989        | 374.7989        | 9.7800e-003   | 0.0000        | 375.0435        |
| <b>Total</b> | <b>0.2207</b> | <b>1.3278</b> | <b>1.7113</b> | <b>7.2000e-003</b> | <b>0.5716</b> | <b>4.7600e-003</b> | <b>0.5763</b> | <b>0.1536</b>  | <b>4.4400e-003</b> | <b>0.1580</b> | <b>0.0000</b> | <b>670.0532</b> | <b>670.0532</b> | <b>0.0254</b> | <b>0.0000</b> | <b>670.6892</b> |

**3.7 Architectural Coating - 2021****Unmitigated Construction On-Site**

|                 | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|-----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category        | tons/yr       |               |               |                    |               |                    |                    |                |                    |                    | MT/yr         |               |               |                    |               |               |
| Archit. Coating | 3.5933        |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Off-Road        | 5.5800e-003   | 0.0389        | 0.0464        | 8.0000e-005        |               | 2.4000e-003        | 2.4000e-003        |                | 2.4000e-003        | 2.4000e-003        | 0.0000        | 6.5108        | 6.5108        | 4.5000e-004        | 0.0000        | 6.5220        |
| <b>Total</b>    | <b>3.5989</b> | <b>0.0389</b> | <b>0.0464</b> | <b>8.0000e-005</b> |               | <b>2.4000e-003</b> | <b>2.4000e-003</b> |                | <b>2.4000e-003</b> | <b>2.4000e-003</b> | <b>0.0000</b> | <b>6.5108</b> | <b>6.5108</b> | <b>4.5000e-004</b> | <b>0.0000</b> | <b>6.5220</b> |

## OCSP Alternative 1 - 2030 - San Luis Obispo County APCD Air District, Annual

**3.7 Architectural Coating - 2021****Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category     | tons/yr       |               |               |                    |               |                    |               |                    |                    |                    | MT/yr         |                |                |                    |               |                |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Worker       | 0.0149        | 0.0130        | 0.1137        | 3.1000e-004        | 0.0351        | 2.2000e-004        | 0.0353        | 9.3300e-003        | 2.1000e-004        | 9.5400e-003        | 0.0000        | 28.3683        | 28.3683        | 8.6000e-004        | 0.0000        | 28.3897        |
| <b>Total</b> | <b>0.0149</b> | <b>0.0130</b> | <b>0.1137</b> | <b>3.1000e-004</b> | <b>0.0351</b> | <b>2.2000e-004</b> | <b>0.0353</b> | <b>9.3300e-003</b> | <b>2.1000e-004</b> | <b>9.5400e-003</b> | <b>0.0000</b> | <b>28.3683</b> | <b>28.3683</b> | <b>8.6000e-004</b> | <b>0.0000</b> | <b>28.3897</b> |

**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 | 3.5933        |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Off-Road        | 5.5800e-003   | 0.0389        | 0.0464        | 8.0000e-005        |               | 2.4000e-003        | 2.4000e-003        |                | 2.4000e-003        | 2.4000e-003        | 0.0000        | 6.5108        | 6.5108        | 4.5000e-004        | 0.0000        | 6.5220        |
| <b>Total</b>    | <b>3.5989</b> | <b>0.0389</b> | <b>0.0464</b> | <b>8.0000e-005</b> |               | <b>2.4000e-003</b> | <b>2.4000e-003</b> |                | <b>2.4000e-003</b> | <b>2.4000e-003</b> | <b>0.0000</b> | <b>6.5108</b> | <b>6.5108</b> | <b>4.5000e-004</b> | <b>0.0000</b> | <b>6.5220</b> |

## OCSP Alternative 1 - 2030 - San Luis Obispo County APCD Air District, Annual

**3.7 Architectural Coating - 2021****Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category     | tons/yr       |               |               |                    |               |                    |               |                    |                    |                    | MT/yr         |                |                |                    |               |                |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Worker       | 0.0149        | 0.0130        | 0.1137        | 3.1000e-004        | 0.0351        | 2.2000e-004        | 0.0353        | 9.3300e-003        | 2.1000e-004        | 9.5400e-003        | 0.0000        | 28.3683        | 28.3683        | 8.6000e-004        | 0.0000        | 28.3897        |
| <b>Total</b> | <b>0.0149</b> | <b>0.0130</b> | <b>0.1137</b> | <b>3.1000e-004</b> | <b>0.0351</b> | <b>2.2000e-004</b> | <b>0.0353</b> | <b>9.3300e-003</b> | <b>2.1000e-004</b> | <b>9.5400e-003</b> | <b>0.0000</b> | <b>28.3683</b> | <b>28.3683</b> | <b>8.6000e-004</b> | <b>0.0000</b> | <b>28.3897</b> |

**3.7 Architectural Coating - 2022****Unmitigated Construction On-Site**

|                 | ROG            | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category        | tons/yr        |               |               |                    |               |               |               |                |               |               | MT/yr         |                |                |                    |               |                |
| Archit. Coating | 18.3187        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Off-Road        | 0.0266         | 0.1831        | 0.2358        | 3.9000e-004        |               | 0.0106        | 0.0106        |                | 0.0106        | 0.0106        | 0.0000        | 33.1923        | 33.1923        | 2.1600e-003        | 0.0000        | 33.2463        |
| <b>Total</b>    | <b>18.3453</b> | <b>0.1831</b> | <b>0.2358</b> | <b>3.9000e-004</b> |               | <b>0.0106</b> | <b>0.0106</b> |                | <b>0.0106</b> | <b>0.0106</b> | <b>0.0000</b> | <b>33.1923</b> | <b>33.1923</b> | <b>2.1600e-003</b> | <b>0.0000</b> | <b>33.2463</b> |

## OCSP Alternative 1 - 2030 - San Luis Obispo County APCD Air District, Annual

**3.7 Architectural Coating - 2022****Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4                | N2O           | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|-----------------|-----------------|--------------------|---------------|-----------------|
| Category     | tons/yr       |               |               |                    |               |                    |               |                |                    |               | MT/yr         |                 |                 |                    |               |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        | 0.0000        | 0.0000          | 0.0000          | 0.0000             | 0.0000        | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        | 0.0000        | 0.0000          | 0.0000          | 0.0000             | 0.0000        | 0.0000          |
| Worker       | 0.0711        | 0.0594        | 0.5309        | 1.5400e-003        | 0.1790        | 1.1100e-003        | 0.1801        | 0.0476         | 1.0200e-003        | 0.0486        | 0.0000        | 139.4531        | 139.4531        | 3.9200e-003        | 0.0000        | 139.5512        |
| <b>Total</b> | <b>0.0711</b> | <b>0.0594</b> | <b>0.5309</b> | <b>1.5400e-003</b> | <b>0.1790</b> | <b>1.1100e-003</b> | <b>0.1801</b> | <b>0.0476</b>  | <b>1.0200e-003</b> | <b>0.0486</b> | <b>0.0000</b> | <b>139.4531</b> | <b>139.4531</b> | <b>3.9200e-003</b> | <b>0.0000</b> | <b>139.5512</b> |

**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 | 18.3187        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Off-Road        | 0.0266         | 0.1831        | 0.2358        | 3.9000e-004        |               | 0.0106        | 0.0106        |                | 0.0106        | 0.0106        | 0.0000        | 33.1923        | 33.1923        | 2.1600e-003        | 0.0000        | 33.2463        |
| <b>Total</b>    | <b>18.3453</b> | <b>0.1831</b> | <b>0.2358</b> | <b>3.9000e-004</b> |               | <b>0.0106</b> | <b>0.0106</b> |                | <b>0.0106</b> | <b>0.0106</b> | <b>0.0000</b> | <b>33.1923</b> | <b>33.1923</b> | <b>2.1600e-003</b> | <b>0.0000</b> | <b>33.2463</b> |

## OCSP Alternative 1 - 2030 - San Luis Obispo County APCD Air District, Annual

**3.7 Architectural Coating - 2022****Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4                | N2O           | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|-----------------|-----------------|--------------------|---------------|-----------------|
| Category     | tons/yr       |               |               |                    |               |                    |               |                |                    |               | MT/yr         |                 |                 |                    |               |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        | 0.0000        | 0.0000          | 0.0000          | 0.0000             | 0.0000        | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        | 0.0000        | 0.0000          | 0.0000          | 0.0000             | 0.0000        | 0.0000          |
| Worker       | 0.0711        | 0.0594        | 0.5309        | 1.5400e-003        | 0.1790        | 1.1100e-003        | 0.1801        | 0.0476         | 1.0200e-003        | 0.0486        | 0.0000        | 139.4531        | 139.4531        | 3.9200e-003        | 0.0000        | 139.5512        |
| <b>Total</b> | <b>0.0711</b> | <b>0.0594</b> | <b>0.5309</b> | <b>1.5400e-003</b> | <b>0.1790</b> | <b>1.1100e-003</b> | <b>0.1801</b> | <b>0.0476</b>  | <b>1.0200e-003</b> | <b>0.0486</b> | <b>0.0000</b> | <b>139.4531</b> | <b>139.4531</b> | <b>3.9200e-003</b> | <b>0.0000</b> | <b>139.5512</b> |

**3.7 Architectural Coating - 2023****Unmitigated Construction On-Site**

|                 | ROG            | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|-----------------|----------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category        | tons/yr        |               |               |                    |               |                    |                    |                |                    |                    | MT/yr         |                |                |                    |               |                |
| Archit. Coating | 10.2162        |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Off-Road        | 0.0139         | 0.0945        | 0.1313        | 2.2000e-004        |               | 5.1300e-003        | 5.1300e-003        |                | 5.1300e-003        | 5.1300e-003        | 0.0000        | 18.5111        | 18.5111        | 1.1100e-003        | 0.0000        | 18.5388        |
| <b>Total</b>    | <b>10.2301</b> | <b>0.0945</b> | <b>0.1313</b> | <b>2.2000e-004</b> |               | <b>5.1300e-003</b> | <b>5.1300e-003</b> |                | <b>5.1300e-003</b> | <b>5.1300e-003</b> | <b>0.0000</b> | <b>18.5111</b> | <b>18.5111</b> | <b>1.1100e-003</b> | <b>0.0000</b> | <b>18.5388</b> |

## OCSP Alternative 1 - 2030 - San Luis Obispo County APCD Air District, Annual

**3.7 Architectural Coating - 2023****Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category     | tons/yr       |               |               |                    |               |                    |               |                |                    |               | MT/yr         |                |                |                    |               |                |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Worker       | 0.0373        | 0.0298        | 0.2704        | 8.3000e-004        | 0.0998        | 6.0000e-004        | 0.1004        | 0.0265         | 5.5000e-004        | 0.0271        | 0.0000        | 74.8551        | 74.8551        | 1.9500e-003        | 0.0000        | 74.9039        |
| <b>Total</b> | <b>0.0373</b> | <b>0.0298</b> | <b>0.2704</b> | <b>8.3000e-004</b> | <b>0.0998</b> | <b>6.0000e-004</b> | <b>0.1004</b> | <b>0.0265</b>  | <b>5.5000e-004</b> | <b>0.0271</b> | <b>0.0000</b> | <b>74.8551</b> | <b>74.8551</b> | <b>1.9500e-003</b> | <b>0.0000</b> | <b>74.9039</b> |

**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 | 10.2162        |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Off-Road        | 0.0139         | 0.0945        | 0.1313        | 2.2000e-004        |               | 5.1300e-003        | 5.1300e-003        |                | 5.1300e-003        | 5.1300e-003        | 0.0000        | 18.5111        | 18.5111        | 1.1100e-003        | 0.0000        | 18.5388        |
| <b>Total</b>    | <b>10.2301</b> | <b>0.0945</b> | <b>0.1313</b> | <b>2.2000e-004</b> |               | <b>5.1300e-003</b> | <b>5.1300e-003</b> |                | <b>5.1300e-003</b> | <b>5.1300e-003</b> | <b>0.0000</b> | <b>18.5111</b> | <b>18.5111</b> | <b>1.1100e-003</b> | <b>0.0000</b> | <b>18.5388</b> |

## OCSP Alternative 1 - 2030 - San Luis Obispo County APCD Air District, Annual

**3.7 Architectural Coating - 2023****Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category     | tons/yr       |               |               |                    |               |                    |               |                |                    |               | MT/yr         |                |                |                    |               |                |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Worker       | 0.0373        | 0.0298        | 0.2704        | 8.3000e-004        | 0.0998        | 6.0000e-004        | 0.1004        | 0.0265         | 5.5000e-004        | 0.0271        | 0.0000        | 74.8551        | 74.8551        | 1.9500e-003        | 0.0000        | 74.9039        |
| <b>Total</b> | <b>0.0373</b> | <b>0.0298</b> | <b>0.2704</b> | <b>8.3000e-004</b> | <b>0.0998</b> | <b>6.0000e-004</b> | <b>0.1004</b> | <b>0.0265</b>  | <b>5.5000e-004</b> | <b>0.0271</b> | <b>0.0000</b> | <b>74.8551</b> | <b>74.8551</b> | <b>1.9500e-003</b> | <b>0.0000</b> | <b>74.9039</b> |

**4.0 Operational Detail - Mobile****4.1 Mitigation Measures Mobile**

## OCSP Alternative 1 - 2030 - San Luis Obispo County APCD Air District, Annual

|             | ROG     | NOx    | CO      | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2  | Total CO2  | CH4    | N2O    | CO2e       |
|-------------|---------|--------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|--------|------------|
| Category    | tons/yr |        |         |        |               |              |            |                |               |             | MT/yr    |            |            |        |        |            |
| Mitigated   | 1.6051  | 6.7800 | 18.7479 | 0.0753 | 8.9417        | 0.0542       | 8.9958     | 2.3905         | 0.0504        | 2.4409      | 0.0000   | 6,922.8328 | 6,922.8328 | 0.2187 | 0.0000 | 6,928.3001 |
| Unmitigated | 1.6051  | 6.7800 | 18.7479 | 0.0753 | 8.9417        | 0.0542       | 8.9958     | 2.3905         | 0.0504        | 2.4409      | 0.0000   | 6,922.8328 | 6,922.8328 | 0.2187 | 0.0000 | 6,928.3001 |

## 4.2 Trip Summary Information

| Land Use               | Average Daily Trip Rate |          |          | Unmitigated | Mitigated  |
|------------------------|-------------------------|----------|----------|-------------|------------|
|                        | Weekday                 | Saturday | Sunday   | Annual VMT  | Annual VMT |
| Apartments Low Rise    | 1,156.62                | 1,589.52 | 1347.54  | 3,166,112   | 3,166,112  |
| General Light Industry | 2,677.50                | 990.00   | 510.00   | 7,019,141   | 7,019,141  |
| Single Family Housing  | 5,057.64                | 6,629.79 | 5766.78  | 13,682,571  | 13,682,571 |
| Total                  | 8,891.76                | 9,209.31 | 7,624.32 | 23,867,824  | 23,867,824 |

## 4.3 Trip Type Information

| Land Use               | Miles      |            |             | Trip %     |            |             | Trip Purpose % |          |         |
|------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
|                        | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary        | Diverted | Pass-by |
| Apartments Low Rise    | 13.00      | 5.00       | 5.00        | 35.80      | 21.00      | 43.20       | 86             | 11       | 3       |
| General Light Industry | 13.00      | 5.00       | 5.00        | 59.00      | 28.00      | 13.00       | 92             | 5        | 3       |
| Single Family Housing  | 13.00      | 5.00       | 5.00        | 35.80      | 21.00      | 43.20       | 86             | 11       | 3       |

## 4.4 Fleet Mix

## OCSP Alternative 1 - 2030 - San Luis Obispo County APCD Air District, Annual

| Land Use               | LDA      | LDT1     | LDT2     | MDV      | LHD1     | LHD2     | MHD      | HHD      | OBUS     | UBUS     | MCY      | SBUS     | MH       |
|------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Apartments Low Rise    | 0.610645 | 0.025081 | 0.199254 | 0.104456 | 0.014638 | 0.004440 | 0.012550 | 0.019914 | 0.002247 | 0.001059 | 0.004248 | 0.000708 | 0.000759 |
| General Light Industry | 0.610645 | 0.025081 | 0.199254 | 0.104456 | 0.014638 | 0.004440 | 0.012550 | 0.019914 | 0.002247 | 0.001059 | 0.004248 | 0.000708 | 0.000759 |
| Single Family Housing  | 0.610645 | 0.025081 | 0.199254 | 0.104456 | 0.014638 | 0.004440 | 0.012550 | 0.019914 | 0.002247 | 0.001059 | 0.004248 | 0.000708 | 0.000759 |

## 5.0 Energy Detail

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Historical Energy Use: N

## 5.1 Mitigation Measures Energy

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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    |                |                |        |        |                |
| Electricity Mitigated   |         |        |        |        |               | 0.0000       | 0.0000     |                | 0.0000        | 0.0000      | 0.0000   | 1,701.213<br>3 | 1,701.213<br>3 | 0.0741 | 0.0171 | 1,708.165<br>3 |
| Electricity Unmitigated |         |        |        |        |               | 0.0000       | 0.0000     |                | 0.0000        | 0.0000      | 0.0000   | 1,701.213<br>3 | 1,701.213<br>3 | 0.0741 | 0.0171 | 1,708.165<br>3 |
| NaturalGas Mitigated    | 0.2237  | 1.9702 | 1.2403 | 0.0122 |               | 0.1546       | 0.1546     |                | 0.1546        | 0.1546      | 0.0000   | 2,214.261<br>3 | 2,214.261<br>3 | 0.0424 | 0.0406 | 2,227.419<br>6 |
| NaturalGas Unmitigated  | 0.2237  | 1.9702 | 1.2403 | 0.0122 |               | 0.1546       | 0.1546     |                | 0.1546        | 0.1546      | 0.0000   | 2,214.261<br>3 | 2,214.261<br>3 | 0.0424 | 0.0406 | 2,227.419<br>6 |

## OCSP Alternative 1 - 2030 - San Luis Obispo County APCD Air District, Annual

**5.2 Energy by Land Use - NaturalGas****Unmitigated**

|                        | NaturalGas Use | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O           | CO2e              |
|------------------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|---------------|-------------------|
| Land Use               | kBTU/yr        | tons/yr       |               |               |               |               |               |               |                |               |               | MT/yr         |                   |                   |               |               |                   |
| Apartments Low Rise    | 2.26414e+006   | 0.0122        | 0.1043        | 0.0444        | 6.7000e-004   |               | 8.4400e-003   | 8.4400e-003   |                | 8.4400e-003   | 8.4400e-003   | 0.0000        | 120.8234          | 120.8234          | 2.3200e-003   | 2.2200e-003   | 121.5414          |
| General Light Industry | 1.9785e+007    | 0.1067        | 0.9699        | 0.8147        | 5.8200e-003   |               | 0.0737        | 0.0737        |                | 0.0737        | 0.0737        | 0.0000        | 1,055.8030        | 1,055.8030        | 0.0202        | 0.0194        | 1,062.0771        |
| Single Family Housing  | 1.94445e+007   | 0.1049        | 0.8960        | 0.3813        | 5.7200e-003   |               | 0.0724        | 0.0724        |                | 0.0724        | 0.0724        | 0.0000        | 1,037.6350        | 1,037.6350        | 0.0199        | 0.0190        | 1,043.8011        |
| <b>Total</b>           |                | <b>0.2237</b> | <b>1.9702</b> | <b>1.2403</b> | <b>0.0122</b> |               | <b>0.1546</b> | <b>0.1546</b> |                | <b>0.1546</b> | <b>0.1546</b> | <b>0.0000</b> | <b>2,214.2613</b> | <b>2,214.2613</b> | <b>0.0425</b> | <b>0.0406</b> | <b>2,227.4196</b> |

**Mitigated**

|                        | NaturalGas Use | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O           | CO2e              |
|------------------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|---------------|-------------------|
| Land Use               | kBTU/yr        | tons/yr       |               |               |               |               |               |               |                |               |               | MT/yr         |                   |                   |               |               |                   |
| Apartments Low Rise    | 2.26414e+006   | 0.0122        | 0.1043        | 0.0444        | 6.7000e-004   |               | 8.4400e-003   | 8.4400e-003   |                | 8.4400e-003   | 8.4400e-003   | 0.0000        | 120.8234          | 120.8234          | 2.3200e-003   | 2.2200e-003   | 121.5414          |
| General Light Industry | 1.9785e+007    | 0.1067        | 0.9699        | 0.8147        | 5.8200e-003   |               | 0.0737        | 0.0737        |                | 0.0737        | 0.0737        | 0.0000        | 1,055.8030        | 1,055.8030        | 0.0202        | 0.0194        | 1,062.0771        |
| Single Family Housing  | 1.94445e+007   | 0.1049        | 0.8960        | 0.3813        | 5.7200e-003   |               | 0.0724        | 0.0724        |                | 0.0724        | 0.0724        | 0.0000        | 1,037.6350        | 1,037.6350        | 0.0199        | 0.0190        | 1,043.8011        |
| <b>Total</b>           |                | <b>0.2237</b> | <b>1.9702</b> | <b>1.2403</b> | <b>0.0122</b> |               | <b>0.1546</b> | <b>0.1546</b> |                | <b>0.1546</b> | <b>0.1546</b> | <b>0.0000</b> | <b>2,214.2613</b> | <b>2,214.2613</b> | <b>0.0425</b> | <b>0.0406</b> | <b>2,227.4196</b> |

## OCSP Alternative 1 - 2030 - San Luis Obispo County APCD Air District, Annual

**5.3 Energy by Land Use - Electricity****Unmitigated**

|                        | Electricity Use | Total CO2         | CH4           | N2O           | CO2e              |
|------------------------|-----------------|-------------------|---------------|---------------|-------------------|
| Land Use               | kWh/yr          | MT/yr             |               |               |                   |
| Apartments Low Rise    | 965434          | 130.6295          | 5.6900e-003   | 1.3100e-003   | 131.1634          |
| General Light Industry | 6.195e+006      | 838.2244          | 0.0365        | 8.4300e-003   | 841.6498          |
| Single Family Housing  | 5.41259e+006    | 732.3594          | 0.0319        | 7.3700e-003   | 735.3521          |
| <b>Total</b>           |                 | <b>1,701.2133</b> | <b>0.0741</b> | <b>0.0171</b> | <b>1,708.1653</b> |

**Mitigated**

|                        | Electricity Use | Total CO2         | CH4           | N2O           | CO2e              |
|------------------------|-----------------|-------------------|---------------|---------------|-------------------|
| Land Use               | kWh/yr          | MT/yr             |               |               |                   |
| Apartments Low Rise    | 965434          | 130.6295          | 5.6900e-003   | 1.3100e-003   | 131.1634          |
| General Light Industry | 6.195e+006      | 838.2244          | 0.0365        | 8.4300e-003   | 841.6498          |
| Single Family Housing  | 5.41259e+006    | 732.3594          | 0.0319        | 7.3700e-003   | 735.3521          |
| <b>Total</b>           |                 | <b>1,701.2133</b> | <b>0.0741</b> | <b>0.0171</b> | <b>1,708.1653</b> |

**6.0 Area Detail**

## OCSP Alternative 1 - 2030 - San Luis Obispo County APCD Air District, Annual

**6.1 Mitigation Measures Area**

|             | ROG     | NOx    | CO      | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4    | N2O    | CO2e    |
|-------------|---------|--------|---------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|---------|
| Category    | tons/yr |        |         |             |               |              |            |                |               |             | MT/yr    |           |           |        |        |         |
| Mitigated   | 10.1022 | 0.1396 | 12.1094 | 6.4000e-004 |               | 0.0673       | 0.0673     |                | 0.0673        | 0.0673      | 0.0000   | 19.8370   | 19.8370   | 0.0189 | 0.0000 | 20.3104 |
| Unmitigated | 10.1022 | 0.1396 | 12.1094 | 6.4000e-004 |               | 0.0673       | 0.0673     |                | 0.0673        | 0.0673      | 0.0000   | 19.8370   | 19.8370   | 0.0189 | 0.0000 | 20.3104 |

## OCSP Alternative 1 - 2030 - San Luis Obispo County APCD Air District, Annual

**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 | 1.2400         |               |                |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000         | 0.0000        | 0.0000        | 0.0000         |
| Consumer Products     | 8.4992         |               |                |                    |               | 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           | 0.3630         | 0.1396        | 12.1094        | 6.4000e-004        |               | 0.0673        | 0.0673        |                | 0.0673        | 0.0673        | 0.0000        | 19.8370        | 19.8370        | 0.0189        | 0.0000        | 20.3104        |
| <b>Total</b>          | <b>10.1022</b> | <b>0.1396</b> | <b>12.1094</b> | <b>6.4000e-004</b> |               | <b>0.0673</b> | <b>0.0673</b> |                | <b>0.0673</b> | <b>0.0673</b> | <b>0.0000</b> | <b>19.8370</b> | <b>19.8370</b> | <b>0.0189</b> | <b>0.0000</b> | <b>20.3104</b> |

## OCSP Alternative 1 - 2030 - San Luis Obispo County APCD Air District, Annual

**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 | 1.2400         |               |                |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000         | 0.0000        | 0.0000        | 0.0000         |
| Consumer Products     | 8.4992         |               |                |                    |               | 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           | 0.3630         | 0.1396        | 12.1094        | 6.4000e-004        |               | 0.0673        | 0.0673        |                | 0.0673        | 0.0673        | 0.0000        | 19.8370        | 19.8370        | 0.0189        | 0.0000        | 20.3104        |
| <b>Total</b>          | <b>10.1022</b> | <b>0.1396</b> | <b>12.1094</b> | <b>6.4000e-004</b> |               | <b>0.0673</b> | <b>0.0673</b> |                | <b>0.0673</b> | <b>0.0673</b> | <b>0.0000</b> | <b>19.8370</b> | <b>19.8370</b> | <b>0.0189</b> | <b>0.0000</b> | <b>20.3104</b> |

**7.0 Water Detail****7.1 Mitigation Measures Water**

## OCSP Alternative 1 - 2030 - San Luis Obispo County APCD Air District, Annual

|             | Total CO2 | CH4    | N2O    | CO2e     |
|-------------|-----------|--------|--------|----------|
| Category    | MT/yr     |        |        |          |
| Mitigated   | 268.7172  | 2.1492 | 0.1800 | 376.0825 |
| Unmitigated | 268.7172  | 2.1492 | 0.1800 | 376.0825 |

## 7.2 Water by Land Use

Unmitigated

|                        | Indoor/Outdoor Use | Total CO2       | CH4           | N2O           | CO2e            |
|------------------------|--------------------|-----------------|---------------|---------------|-----------------|
| Land Use               | Mgal               | MT/yr           |               |               |                 |
| Apartments Low Rise    | 14.4642 / 9.11873  | 20.0257         | 0.1344        | 0.0113        | 26.7475         |
| General Light Industry | 173.438 / 0        | 188.3437        | 1.6096        | 0.1347        | 268.7312        |
| Single Family Housing  | 43.588 / 27.4794   | 60.3478         | 0.4051        | 0.0340        | 80.6038         |
| <b>Total</b>           |                    | <b>268.7172</b> | <b>2.1492</b> | <b>0.1800</b> | <b>376.0825</b> |

## OCSP Alternative 1 - 2030 - San Luis Obispo County APCD Air District, Annual

**7.2 Water by Land Use****Mitigated**

|                        | Indoor/Outdoor Use | Total CO2       | CH4           | N2O           | CO2e            |
|------------------------|--------------------|-----------------|---------------|---------------|-----------------|
| Land Use               | Mgal               | MT/yr           |               |               |                 |
| Apartments Low Rise    | 14.4642 / 9.11873  | 20.0257         | 0.1344        | 0.0113        | 26.7475         |
| General Light Industry | 173.438 / 0        | 188.3437        | 1.6096        | 0.1347        | 268.7312        |
| Single Family Housing  | 43.588 / 27.4794   | 60.3478         | 0.4051        | 0.0340        | 80.6038         |
| <b>Total</b>           |                    | <b>268.7172</b> | <b>2.1492</b> | <b>0.1800</b> | <b>376.0825</b> |

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

## OCSP Alternative 1 - 2030 - San Luis Obispo County APCD Air District, Annual

**Category/Year**

|             | Total CO2 | CH4     | N2O    | CO2e     |
|-------------|-----------|---------|--------|----------|
|             | MT/yr     |         |        |          |
| Mitigated   | 154.8636  | 9.1522  | 0.0000 | 383.6681 |
| Unmitigated | 368.7229  | 21.7909 | 0.0000 | 913.4955 |

**8.2 Waste by Land Use****Unmitigated**

|                        | Waste Disposed | Total CO2       | CH4            | N2O           | CO2e            |
|------------------------|----------------|-----------------|----------------|---------------|-----------------|
| Land Use               | tons           | MT/yr           |                |               |                 |
| Apartments Low Rise    | 102.12         | 20.7294         | 1.2251         | 0.0000        | 51.3563         |
| General Light Industry | 930            | 188.7816        | 11.1567        | 0.0000        | 467.6984        |
| Single Family Housing  | 784.33         | 159.2119        | 9.4092         | 0.0000        | 394.4408        |
| <b>Total</b>           |                | <b>368.7229</b> | <b>21.7909</b> | <b>0.0000</b> | <b>913.4955</b> |

## OCSP Alternative 1 - 2030 - San Luis Obispo County APCD Air District, Annual

**8.2 Waste by Land Use****Mitigated**

|                        | Waste Disposed | Total CO2       | CH4           | N2O           | CO2e            |
|------------------------|----------------|-----------------|---------------|---------------|-----------------|
| Land Use               | tons           | MT/yr           |               |               |                 |
| Apartments Low Rise    | 42.8904        | 8.7064          | 0.5145        | 0.0000        | 21.5697         |
| General Light Industry | 390.6          | 79.2883         | 4.6858        | 0.0000        | 196.4333        |
| Single Family Housing  | 329.419        | 66.8690         | 3.9518        | 0.0000        | 165.6651        |
| <b>Total</b>           |                | <b>154.8636</b> | <b>9.1522</b> | <b>0.0000</b> | <b>383.6681</b> |

**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 |
|----------------|--------|
|----------------|--------|

OCSP Alternative 1 - 2030 - San Luis Obispo County APCD Air District, Annual

## **11.0 Vegetation**

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## N2O Operational GHG Emission Mobile Calculations - Alternative 1 2024

Project Code & Title: 18-06612, Olsen-Chandler Specific Plan

| Vehicle Population Breakdown* |                    | VMT per Vehicle Type |                               |
|-------------------------------|--------------------|----------------------|-------------------------------|
| 264355                        | Gasoline vehicles  | 23867824             | Project VMT (CalEEMod output) |
| 17337                         | Diesel vehicles    | 22398896             | Gasoline vehicle VMT          |
| 93.8%                         | Gasoline vehicle % | 1468928              | Diesel vehicle VMT            |
| 6.2%                          | Diesel vehicle %   |                      |                               |

| Gasoline Vehicles |                                                                |
|-------------------|----------------------------------------------------------------|
| 93.8%             | Gasoline vehicle %                                             |
| 9.5265            | Tons per year mobile NOX emissions (annual output in CalEEMod) |
| 8.94              | Gasoline vehicle tons per year NOX emissions                   |
| 0.2819            | Tons per year N2O emissions for gasoline vehicles**            |
| 0.2558            | Metric tons per year N2O emissions for gasoline vehicles       |

| Diesel Vehicles |                                                        |
|-----------------|--------------------------------------------------------|
| 1.60            | grams N2O per gallon of fuel for diesel vehicles**     |
| 198381.83       | Diesel average miles per gallon*                       |
| 0.00001         | grams per mile N2O for diesel vehicles                 |
| 11.8            | grams per year N2O for diesel vehicles                 |
| 0.0000118       | Metric tons per year N2O emissions for diesel vehicles |

| CO2e Emissions from N2O |                                                                                   |
|-------------------------|-----------------------------------------------------------------------------------|
| 0.2558                  | Metric tons per year from gasoline + diesel vehicles                              |
| 298                     | GWP of N2O***                                                                     |
| <b>76.2</b>             | <b>CO2e emissions per year from N2O emissions from gasoline + diesel vehicles</b> |

| Sources                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>*Vehicle population source:</b><br/> EMFAC2017 (v1.0.2) Emissions Inventory<br/> Region Type: Air District<br/> Region: SAN LUIS OBISPO COUNTY APCD<br/> Calendar Year: 2024<br/> Season: Annual<br/> Vehicle Classification: EMFAC2011 Categories</p> <p><b>**Methodology source:</b><br/> EMFAC2017 Volume III - Technical Documentation<br/> <a href="https://www.arb.ca.gov/msei/emfac2011-faq.htm">https://www.arb.ca.gov/msei/emfac2011-faq.htm</a></p> <p><b>***GWP source:</b><br/> Intergovernmental Panel on Climate Change (IPCC). 2007.<br/> AR4 Climate Change 2007: The Physical Science Basis.<br/> Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change.</p> |

## N2O Operational GHG Emission Mobile Calculations - Alternative 1 2030

Project Code & Title: 18-06612, Olsen-Chandler Specific Plan

| Vehicle Population Breakdown* |                    | VMT per Vehicle Type |                               |
|-------------------------------|--------------------|----------------------|-------------------------------|
| 281904                        | Gasoline vehicles  | 23867824             | Project VMT (CalEEMod output) |
| 16037                         | Diesel vehicles    | 22583120             | Gasoline vehicle VMT          |
| 94.6%                         | Gasoline vehicle % | 1284704              | Diesel vehicle VMT            |
| 5.4%                          | Diesel vehicle %   |                      |                               |

| Gasoline Vehicles |                                                                |
|-------------------|----------------------------------------------------------------|
| 94.6%             | Gasoline vehicle %                                             |
| 6.78              | Tons per year mobile NOX emissions (annual output in CalEEMod) |
| 6.42              | Gasoline vehicle tons per year NOX emissions                   |
| 0.2237            | Tons per year N2O emissions for gasoline vehicles**            |
| 0.0209            | Metric tons per year N2O emissions for gasoline vehicles       |

| Diesel Vehicles |                                                        |
|-----------------|--------------------------------------------------------|
| 1.60            | grams N2O per gallon of fuel for diesel vehicles**     |
| 222675.12       | Diesel average miles per gallon*                       |
| 0.00001         | grams per mile N2O for diesel vehicles                 |
| 9.2             | grams per year N2O for diesel vehicles                 |
| 0.0000092       | Metric tons per year N2O emissions for diesel vehicles |

| CO2e Emissions from N2O |                                                                                   |
|-------------------------|-----------------------------------------------------------------------------------|
| 0.0209                  | Metric tons per year from gasoline + diesel vehicles                              |
| 298                     | GWP of N2O***                                                                     |
| <b>60.5</b>             | <b>CO2e emissions per year from N2O emissions from gasoline + diesel vehicles</b> |

| Sources                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>*Vehicle population source:</b><br/> EMFAC2017 (v1.0.2) Emissions Inventory<br/> Region Type: Air District<br/> Region: SAN LUIS OBISPO COUNTY APCD<br/> Calendar Year: 2030<br/> Season: Annual<br/> Vehicle Classification: EMFAC2011 Categories</p> <p><b>**Methodology source:</b><br/> EMFAC2017 Volume III - Technical Documentation<br/> <a href="https://www.arb.ca.gov/msei/emfac2011-faq.htm">https://www.arb.ca.gov/msei/emfac2011-faq.htm</a></p> <p><b>***GWP source:</b><br/> Intergovernmental Panel on Climate Change (IPCC). 2007.<br/> AR4 Climate Change 2007: The Physical Science Basis.<br/> Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change.</p> |

# Olsen-Chandler Specific Plan Alternative 1

Last Updated: September 24, 2019

Populate one of the following tables (Leave the other blank):

|                        |           |                                                      |
|------------------------|-----------|------------------------------------------------------|
| <b>Annual VMT</b>      | <b>OR</b> | <b>Daily Vehicle Trips</b>                           |
| Annual VMT: 23,867,824 |           | Daily Vehicle<br>Trips:<br>Average Trip<br>Distance: |

| Fleet Class               | Fleet Mix | Fuel Economy (MPG)    |      |
|---------------------------|-----------|-----------------------|------|
| Light Duty Auto (LDA)     | 0.588806  | Passenger Vehicles    | 24.0 |
| Light Duty Truck 1 (LDT1) | 0.027737  | Light-Med Duty Trucks | 17.4 |
| Light Duty Truck 2 (LDT2) | 0.198305  | Heavy Trucks/Other    | 7.4  |
| Medium Duty Vehicle (MDV) | 0.114471  | Motorcycles           | 43.9 |
| Light Heavy Duty 1 (LHD1) | 0.022249  |                       |      |
| Light Heavy Duty 2 (LHD2) | 0.005748  |                       |      |
| Medium Heavy Duty (MHD)   | 0.012759  |                       |      |
| Heavy Heavy Duty (HHD)    | 0.019721  |                       |      |
| Other Bus (OBUS)          | 0.002316  |                       |      |
| Urban Bus (UBUS)          | 0.001163  |                       |      |
| School Bus (SBUS)         | 0.000758  |                       |      |
| Motorhome (MH)            | 0.001192  |                       |      |
| Motorcycle (MCY)          | 0.004776  |                       |      |

| Fleet Mix                |         |           |                    |                    |                                  |
|--------------------------|---------|-----------|--------------------|--------------------|----------------------------------|
| Vehicle Type             | Percent | Fuel Type | Annual VMT:<br>VMT | Vehicle Trips: VMT | Fuel<br>Consumption<br>(Gallons) |
| Passenger Vehicles       | 58.88%  | Gasoline  | 14,053,518         | 0.00               | 585,563.25                       |
| Light-Medium Duty Trucks | 34.05%  | Gasoline  | 8,127,304          | 0.00               | 467,086.46                       |
| Heavy Trucks/Other       | 6.59%   | Diesel    | 1,573,033          | 0.00               | 212,572.00                       |
| Motorcycle               | 0.48%   | Gasoline  | 113,993            | 0.00               | 2,596.65                         |

|                                      |              |
|--------------------------------------|--------------|
| Total Gasoline Consumption (gallons) | 1,055,246.35 |
| Total Diesel Consumption (gallons)   | 212,572.00   |