

517 East Broadway (5-story/Med/General Office/Retail) - Los Angeles-South Coast County, Winter

517 East Broadway (5-story/Med/General Office/Retail)
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|--------------------------------|-------|----------|-------------|--------------------|------------|
| General Office Building | 14.31 | 1000sqft | 0.33 | 14,314.00 | 0 |
| Medical Office Building | 7.70 | 1000sqft | 0.18 | 7,698.00 | 0 |
| Strip Mall | 3.55 | 1000sqft | 0.08 | 3,552.00 | 0 |
| Enclosed Parking with Elevator | 36.57 | 1000sqft | 0.84 | 36,574.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|---------------------|-------|-------------------------|-----|----------------------------------|------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 33 |
| Climate Zone | 12 | | | Operational Year | 2021 |

Utility Company

| | | | | | |
|---------------------------------|---|---------------------------------|---|---------------------------------|---|
| CO2 Intensity (lb/MW hr) | 0 | CH4 Intensity (lb/MW hr) | 0 | N2O Intensity (lb/MW hr) | 0 |
|---------------------------------|---|---------------------------------|---|---------------------------------|---|

1.3 User Entered Comments & Non-Default Data

517 East Broadway (5-story/Med/General Office/Retail) - Los Angeles-South Coast County, Winter

Project Characteristics - Demolish 1-story, 3,976 medical office building and at-grade parking lot. Construct a new 5-story commercial building that will include 14,314 SF of general office, 7,698 SF of medical office, 3,552 SF of retail, and 36,574 SF of enclosed parking (w/ elevator) within a 4-level subterranean garage.

Land Use - The project site is 12,086 SF (11,831 SF after a 256 SF sidewalk dedication). The project's use composition will include 14,314 SF of general office, 7,698 SF of medical office, 3,552 SF of retail, and 36,574 SF of enclosed parking (w/ elevator) within a 4-level subterranean garage.

Grading - Grading will include 13,239 CY of grading (all export)

Demolition - Demolition will include a 1-story 3,976 SF commercial building

Energy Use -

Construction Phase - A total of 13,239 CY of grading (all export) will occur over an 8 day period.

| Table Name | Column Name | Default Value | New Value |
|----------------------|-------------------|---------------|-----------|
| tblConstructionPhase | NumDays | 4.00 | 8.00 |
| tblConstructionPhase | PhaseEndDate | 8/4/2020 | 8/10/2020 |
| tblGrading | AcresOfGrading | 3.00 | 1.50 |
| tblGrading | MaterialExported | 0.00 | 13,239.00 |
| tblLandUse | LandUseSquareFeet | 14,310.00 | 14,314.00 |
| tblLandUse | LandUseSquareFeet | 7,700.00 | 7,698.00 |
| tblLandUse | LandUseSquareFeet | 3,550.00 | 3,552.00 |
| tblLandUse | LandUseSquareFeet | 36,570.00 | 36,574.00 |

2.0 Emissions Summary

517 East Broadway (5-story/Med/General Office/Retail) - Los Angeles-South Coast County, 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 | 0.5874 | 6.0000e-005 | 6.3700e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | | 0.0136 | 0.0136 | 4.0000e-005 | | 0.0145 |
| Energy | 6.9400e-003 | 0.0631 | 0.0530 | 3.8000e-004 | | 4.8000e-003 | 4.8000e-003 | | 4.8000e-003 | 4.8000e-003 | | 75.7358 | 75.7358 | 1.4500e-003 | 1.3900e-003 | 76.1858 |
| Mobile | 0.9927 | 4.7110 | 11.9673 | 0.0397 | 3.2522 | 0.0350 | 3.2872 | 0.8704 | 0.0327 | 0.9030 | | 4,042.6159 | 4,042.6159 | 0.2273 | | 4,048.2989 |
| Total | 1.5871 | 4.7742 | 12.0267 | 0.0401 | 3.2522 | 0.0398 | 3.2920 | 0.8704 | 0.0375 | 0.9079 | | 4,118.3653 | 4,118.3653 | 0.2288 | 1.3900e-003 | 4,124.4992 |

Mitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|--------------------|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 0.5874 | 6.0000e-005 | 6.3700e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | | 0.0136 | 0.0136 | 4.0000e-005 | | 0.0145 |
| Energy | 6.9400e-003 | 0.0631 | 0.0530 | 3.8000e-004 | | 4.8000e-003 | 4.8000e-003 | | 4.8000e-003 | 4.8000e-003 | | 75.7358 | 75.7358 | 1.4500e-003 | 1.3900e-003 | 76.1858 |
| Mobile | 0.9927 | 4.7110 | 11.9673 | 0.0397 | 3.2522 | 0.0350 | 3.2872 | 0.8704 | 0.0327 | 0.9030 | | 4,042.6159 | 4,042.6159 | 0.2273 | | 4,048.2989 |
| Total | 1.5871 | 4.7742 | 12.0267 | 0.0401 | 3.2522 | 0.0398 | 3.2920 | 0.8704 | 0.0375 | 0.9079 | | 4,118.3653 | 4,118.3653 | 0.2288 | 1.3900e-003 | 4,124.4992 |

517 East Broadway (5-story/Med/General Office/Retail) - Los Angeles-South Coast County, 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

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|-----------|---------------|----------|-------------------|
| 1 | Demolition | Demolition | 6/30/2020 | 7/27/2020 | 5 | 20 | |
| 2 | Site Preparation | Site Preparation | 7/28/2020 | 7/29/2020 | 5 | 2 | |
| 3 | Grading | Grading | 7/30/2020 | 8/10/2020 | 5 | 8 | |
| 4 | Building Construction | Building Construction | 8/5/2020 | 5/11/2021 | 5 | 200 | |
| 5 | Paving | Paving | 5/12/2021 | 5/25/2021 | 5 | 10 | |
| 6 | Architectural Coating | Architectural Coating | 5/26/2021 | 6/8/2021 | 5 | 10 | |

Acres of Grading (Site Preparation Phase): 1

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 0.84

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 38,346; Non-Residential Outdoor: 12,782; Striped Parking Area: 2,194 (Architectural Coating – sqft)

OffRoad Equipment

517 East Broadway (5-story/Med/General Office/Retail) - Los Angeles-South Coast County, Winter

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

Trips and VMT

517 East Broadway (5-story/Med/General Office/Retail) - Los Angeles-South Coast County, 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 | 5 | 13.00 | 0.00 | 18.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 3 | 8.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 3 | 8.00 | 0.00 | 1,655.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 7 | 24.00 | 10.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 5 | 13.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 5.00 | 0.00 | 0.00 | 14.70 | 6.90 | 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 | | | | | |
| Fugitive Dust | | | | | 0.1957 | 0.0000 | 0.1957 | 0.0296 | 0.0000 | 0.0296 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.1262 | 20.9463 | 14.6573 | 0.0241 | | 1.1525 | 1.1525 | | 1.0761 | 1.0761 | | 2,322.3127 | 2,322.3127 | 0.5970 | | 2,337.2363 |
| Total | 2.1262 | 20.9463 | 14.6573 | 0.0241 | 0.1957 | 1.1525 | 1.3482 | 0.0296 | 1.0761 | 1.1058 | | 2,322.3127 | 2,322.3127 | 0.5970 | | 2,337.2363 |

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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 | 8.0500e-003 | 0.2621 | 0.0609 | 7.0000e-004 | 0.0157 | 8.4000e-004 | 0.0166 | 4.3100e-003 | 8.0000e-004 | 5.1200e-003 | | 75.6985 | 75.6985 | 5.4300e-003 | | 75.8343 |
| 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 | 0.0664 | 0.0471 | 0.5213 | 1.4500e-003 | 0.1453 | 1.2100e-003 | 0.1465 | 0.0385 | 1.1200e-003 | 0.0397 | | 143.9647 | 143.9647 | 4.5400e-003 | | 144.0781 |
| Total | 0.0745 | 0.3093 | 0.5823 | 2.1500e-003 | 0.1611 | 2.0500e-003 | 0.1631 | 0.0429 | 1.9200e-003 | 0.0448 | | 219.6631 | 219.6631 | 9.9700e-003 | | 219.9124 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 0.1957 | 0.0000 | 0.1957 | 0.0296 | 0.0000 | 0.0296 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.1262 | 20.9463 | 14.6573 | 0.0241 | | 1.1525 | 1.1525 | | 1.0761 | 1.0761 | 0.0000 | 2,322.3127 | 2,322.3127 | 0.5970 | | 2,337.2363 |
| Total | 2.1262 | 20.9463 | 14.6573 | 0.0241 | 0.1957 | 1.1525 | 1.3482 | 0.0296 | 1.0761 | 1.1058 | 0.0000 | 2,322.3127 | 2,322.3127 | 0.5970 | | 2,337.2363 |

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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 | 8.0500e-003 | 0.2621 | 0.0609 | 7.0000e-004 | 0.0157 | 8.4000e-004 | 0.0166 | 4.3100e-003 | 8.0000e-004 | 5.1200e-003 | | 75.6985 | 75.6985 | 5.4300e-003 | | 75.8343 |
| 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 | 0.0664 | 0.0471 | 0.5213 | 1.4500e-003 | 0.1453 | 1.2100e-003 | 0.1465 | 0.0385 | 1.1200e-003 | 0.0397 | | 143.9647 | 143.9647 | 4.5400e-003 | | 144.0781 |
| Total | 0.0745 | 0.3093 | 0.5823 | 2.1500e-003 | 0.1611 | 2.0500e-003 | 0.1631 | 0.0429 | 1.9200e-003 | 0.0448 | | 219.6631 | 219.6631 | 9.9700e-003 | | 219.9124 |

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 | | | | | 5.7996 | 0.0000 | 5.7996 | 2.9537 | 0.0000 | 2.9537 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.6299 | 18.3464 | 7.7093 | 0.0172 | | 0.8210 | 0.8210 | | 0.7553 | 0.7553 | | 1,667.4119 | 1,667.4119 | 0.5393 | | 1,680.8937 |
| Total | 1.6299 | 18.3464 | 7.7093 | 0.0172 | 5.7996 | 0.8210 | 6.6205 | 2.9537 | 0.7553 | 3.7090 | | 1,667.4119 | 1,667.4119 | 0.5393 | | 1,680.8937 |

517 East Broadway (5-story/Med/General Office/Retail) - Los Angeles-South Coast County, 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 | 0.0409 | 0.0290 | 0.3208 | 8.9000e-004 | 0.0894 | 7.5000e-004 | 0.0902 | 0.0237 | 6.9000e-004 | 0.0244 | | 88.5936 | 88.5936 | 2.7900e-003 | | 88.6634 |
| Total | 0.0409 | 0.0290 | 0.3208 | 8.9000e-004 | 0.0894 | 7.5000e-004 | 0.0902 | 0.0237 | 6.9000e-004 | 0.0244 | | 88.5936 | 88.5936 | 2.7900e-003 | | 88.6634 |

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 | | | | | 5.7996 | 0.0000 | 5.7996 | 2.9537 | 0.0000 | 2.9537 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.6299 | 18.3464 | 7.7093 | 0.0172 | | 0.8210 | 0.8210 | | 0.7553 | 0.7553 | 0.0000 | 1,667.4119 | 1,667.4119 | 0.5393 | | 1,680.8937 |
| Total | 1.6299 | 18.3464 | 7.7093 | 0.0172 | 5.7996 | 0.8210 | 6.6205 | 2.9537 | 0.7553 | 3.7090 | 0.0000 | 1,667.4119 | 1,667.4119 | 0.5393 | | 1,680.8937 |

517 East Broadway (5-story/Med/General Office/Retail) - Los Angeles-South Coast County, 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 | 0.0409 | 0.0290 | 0.3208 | 8.9000e-004 | 0.0894 | 7.5000e-004 | 0.0902 | 0.0237 | 6.9000e-004 | 0.0244 | | 88.5936 | 88.5936 | 2.7900e-003 | | 88.6634 |
| Total | 0.0409 | 0.0290 | 0.3208 | 8.9000e-004 | 0.0894 | 7.5000e-004 | 0.0902 | 0.0237 | 6.9000e-004 | 0.0244 | | 88.5936 | 88.5936 | 2.7900e-003 | | 88.6634 |

3.4 Grading - 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 | | | | | 4.9026 | 0.0000 | 4.9026 | 2.5325 | 0.0000 | 2.5325 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.3498 | 15.0854 | 6.4543 | 0.0141 | | 0.6844 | 0.6844 | | 0.6296 | 0.6296 | | 1,365.7183 | 1,365.7183 | 0.4417 | | 1,376.7609 |
| Total | 1.3498 | 15.0854 | 6.4543 | 0.0141 | 4.9026 | 0.6844 | 5.5869 | 2.5325 | 0.6296 | 3.1621 | | 1,365.7183 | 1,365.7183 | 0.4417 | | 1,376.7609 |

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3.4 Grading - 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 | 1.8509 | 60.2549 | 14.0086 | 0.1606 | 3.6171 | 0.1928 | 3.8099 | 0.9915 | 0.1844 | 1.1759 | | 17,400.1335 | 17,400.1335 | 1.2489 | | 17,431.3568 |
| 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 | 0.0409 | 0.0290 | 0.3208 | 8.9000e-004 | 0.0894 | 7.5000e-004 | 0.0902 | 0.0237 | 6.9000e-004 | 0.0244 | | 88.5936 | 88.5936 | 2.7900e-003 | | 88.6634 |
| Total | 1.8918 | 60.2839 | 14.3294 | 0.1615 | 3.7065 | 0.1935 | 3.9001 | 1.0152 | 0.1851 | 1.2003 | | 17,488.7272 | 17,488.7272 | 1.2517 | | 17,520.0203 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 4.9026 | 0.0000 | 4.9026 | 2.5325 | 0.0000 | 2.5325 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.3498 | 15.0854 | 6.4543 | 0.0141 | | 0.6844 | 0.6844 | | 0.6296 | 0.6296 | 0.0000 | 1,365.7183 | 1,365.7183 | 0.4417 | | 1,376.7609 |
| Total | 1.3498 | 15.0854 | 6.4543 | 0.0141 | 4.9026 | 0.6844 | 5.5869 | 2.5325 | 0.6296 | 3.1621 | 0.0000 | 1,365.7183 | 1,365.7183 | 0.4417 | | 1,376.7609 |

517 East Broadway (5-story/Med/General Office/Retail) - Los Angeles-South Coast County, Winter

3.4 Grading - 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 | 1.8509 | 60.2549 | 14.0086 | 0.1606 | 3.6171 | 0.1928 | 3.8099 | 0.9915 | 0.1844 | 1.1759 | | 17,400.1335 | 17,400.1335 | 1.2489 | | 17,431.3568 |
| 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 | 0.0409 | 0.0290 | 0.3208 | 8.9000e-004 | 0.0894 | 7.5000e-004 | 0.0902 | 0.0237 | 6.9000e-004 | 0.0244 | | 88.5936 | 88.5936 | 2.7900e-003 | | 88.6634 |
| Total | 1.8918 | 60.2839 | 14.3294 | 0.1615 | 3.7065 | 0.1935 | 3.9001 | 1.0152 | 0.1851 | 1.2003 | | 17,488.7272 | 17,488.7272 | 1.2517 | | 17,520.0203 |

3.5 Building Construction - 2020

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 2.0305 | 14.7882 | 13.1881 | 0.0220 | | 0.7960 | 0.7960 | | 0.7688 | 0.7688 | | 2,001.1595 | 2,001.1595 | 0.3715 | | 2,010.4467 |
| Total | 2.0305 | 14.7882 | 13.1881 | 0.0220 | | 0.7960 | 0.7960 | | 0.7688 | 0.7688 | | 2,001.1595 | 2,001.1595 | 0.3715 | | 2,010.4467 |

517 East Broadway (5-story/Med/General Office/Retail) - Los Angeles-South Coast County, Winter

3.5 Building Construction - 2020

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category | 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 | 0.0372 | 1.0635 | 0.3074 | 2.5200e-003 | 0.0640 | 5.0900e-003 | 0.0691 | 0.0184 | 4.8700e-003 | 0.0233 | | 269.4491 | 269.4491 | 0.0180 | | 269.8995 |
| Worker | 0.1227 | 0.0870 | 0.9624 | 2.6700e-003 | 0.2683 | 2.2400e-003 | 0.2705 | 0.0711 | 2.0700e-003 | 0.0732 | | 265.7809 | 265.7809 | 8.3800e-003 | | 265.9903 |
| Total | 0.1598 | 1.1505 | 1.2698 | 5.1900e-003 | 0.3323 | 7.3300e-003 | 0.3396 | 0.0896 | 6.9400e-003 | 0.0965 | | 535.2300 | 535.2300 | 0.0264 | | 535.8898 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 2.0305 | 14.7882 | 13.1881 | 0.0220 | | 0.7960 | 0.7960 | | 0.7688 | 0.7688 | 0.0000 | 2,001.1595 | 2,001.1595 | 0.3715 | | 2,010.4467 |
| Total | 2.0305 | 14.7882 | 13.1881 | 0.0220 | | 0.7960 | 0.7960 | | 0.7688 | 0.7688 | 0.0000 | 2,001.1595 | 2,001.1595 | 0.3715 | | 2,010.4467 |

517 East Broadway (5-story/Med/General Office/Retail) - Los Angeles-South Coast County, Winter

3.5 Building Construction - 2020

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category | 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 | 0.0372 | 1.0635 | 0.3074 | 2.5200e-003 | 0.0640 | 5.0900e-003 | 0.0691 | 0.0184 | 4.8700e-003 | 0.0233 | | 269.4491 | 269.4491 | 0.0180 | | 269.8995 |
| Worker | 0.1227 | 0.0870 | 0.9624 | 2.6700e-003 | 0.2683 | 2.2400e-003 | 0.2705 | 0.0711 | 2.0700e-003 | 0.0732 | | 265.7809 | 265.7809 | 8.3800e-003 | | 265.9903 |
| Total | 0.1598 | 1.1505 | 1.2698 | 5.1900e-003 | 0.3323 | 7.3300e-003 | 0.3396 | 0.0896 | 6.9400e-003 | 0.0965 | | 535.2300 | 535.2300 | 0.0264 | | 535.8898 |

3.5 Building Construction - 2021

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.8125 | 13.6361 | 12.8994 | 0.0221 | | 0.6843 | 0.6843 | | 0.6608 | 0.6608 | | 2,001.2200 | 2,001.2200 | 0.3573 | | 2,010.1517 |
| Total | 1.8125 | 13.6361 | 12.8994 | 0.0221 | | 0.6843 | 0.6843 | | 0.6608 | 0.6608 | | 2,001.2200 | 2,001.2200 | 0.3573 | | 2,010.1517 |

517 East Broadway (5-story/Med/General Office/Retail) - Los Angeles-South Coast County, Winter

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category | 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 | 0.0319 | 0.9689 | 0.2808 | 2.5000e-003 | 0.0640 | 2.0500e-003 | 0.0661 | 0.0184 | 1.9600e-003 | 0.0204 | | 267.3455 | 267.3455 | 0.0173 | | 267.7770 |
| Worker | 0.1144 | 0.0783 | 0.8838 | 2.5800e-003 | 0.2683 | 2.1700e-003 | 0.2704 | 0.0711 | 2.0000e-003 | 0.0731 | | 257.3403 | 257.3403 | 7.5700e-003 | | 257.5296 |
| Total | 0.1464 | 1.0472 | 1.1646 | 5.0800e-003 | 0.3323 | 4.2200e-003 | 0.3365 | 0.0896 | 3.9600e-003 | 0.0935 | | 524.6858 | 524.6858 | 0.0248 | | 525.3066 |

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 | 1.8125 | 13.6361 | 12.8994 | 0.0221 | | 0.6843 | 0.6843 | | 0.6608 | 0.6608 | 0.0000 | 2,001.2200 | 2,001.2200 | 0.3573 | | 2,010.1517 |
| Total | 1.8125 | 13.6361 | 12.8994 | 0.0221 | | 0.6843 | 0.6843 | | 0.6608 | 0.6608 | 0.0000 | 2,001.2200 | 2,001.2200 | 0.3573 | | 2,010.1517 |

517 East Broadway (5-story/Med/General Office/Retail) - Los Angeles-South Coast County, Winter

3.5 Building Construction - 2021

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category | 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 | 0.0319 | 0.9689 | 0.2808 | 2.5000e-003 | 0.0640 | 2.0500e-003 | 0.0661 | 0.0184 | 1.9600e-003 | 0.0204 | | 267.3455 | 267.3455 | 0.0173 | | 267.7770 |
| Worker | 0.1144 | 0.0783 | 0.8838 | 2.5800e-003 | 0.2683 | 2.1700e-003 | 0.2704 | 0.0711 | 2.0000e-003 | 0.0731 | | 257.3403 | 257.3403 | 7.5700e-003 | | 257.5296 |
| Total | 0.1464 | 1.0472 | 1.1646 | 5.0800e-003 | 0.3323 | 4.2200e-003 | 0.3365 | 0.0896 | 3.9600e-003 | 0.0935 | | 524.6858 | 524.6858 | 0.0248 | | 525.3066 |

3.6 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 | 0.7739 | 7.7422 | 8.8569 | 0.0135 | | 0.4153 | 0.4153 | | 0.3830 | 0.3830 | | 1,296.8664 | 1,296.8664 | 0.4111 | | 1,307.1442 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 0.7739 | 7.7422 | 8.8569 | 0.0135 | | 0.4153 | 0.4153 | | 0.3830 | 0.3830 | | 1,296.8664 | 1,296.8664 | 0.4111 | | 1,307.1442 |

517 East Broadway (5-story/Med/General Office/Retail) - Los Angeles-South Coast County, Winter

3.6 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 | 0.0620 | 0.0424 | 0.4787 | 1.4000e-003 | 0.1453 | 1.1700e-003 | 0.1465 | 0.0385 | 1.0800e-003 | 0.0396 | | 139.3926 | 139.3926 | 4.1000e-003 | | 139.4952 |
| Total | 0.0620 | 0.0424 | 0.4787 | 1.4000e-003 | 0.1453 | 1.1700e-003 | 0.1465 | 0.0385 | 1.0800e-003 | 0.0396 | | 139.3926 | 139.3926 | 4.1000e-003 | | 139.4952 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.7739 | 7.7422 | 8.8569 | 0.0135 | | 0.4153 | 0.4153 | | 0.3830 | 0.3830 | 0.0000 | 1,296.8664 | 1,296.8664 | 0.4111 | | 1,307.1442 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 0.7739 | 7.7422 | 8.8569 | 0.0135 | | 0.4153 | 0.4153 | | 0.3830 | 0.3830 | 0.0000 | 1,296.8664 | 1,296.8664 | 0.4111 | | 1,307.1442 |

517 East Broadway (5-story/Med/General Office/Retail) - Los Angeles-South Coast County, Winter

3.6 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 | 0.0620 | 0.0424 | 0.4787 | 1.4000e-003 | 0.1453 | 1.1700e-003 | 0.1465 | 0.0385 | 1.0800e-003 | 0.0396 | | 139.3926 | 139.3926 | 4.1000e-003 | | 139.4952 |
| Total | 0.0620 | 0.0424 | 0.4787 | 1.4000e-003 | 0.1453 | 1.1700e-003 | 0.1465 | 0.0385 | 1.0800e-003 | 0.0396 | | 139.3926 | 139.3926 | 4.1000e-003 | | 139.4952 |

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 | 24.7148 | | | | | 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 |
| Total | 24.9337 | 1.5268 | 1.8176 | 2.9700e-003 | | 0.0941 | 0.0941 | | 0.0941 | 0.0941 | | 281.4481 | 281.4481 | 0.0193 | | 281.9309 |

517 East Broadway (5-story/Med/General Office/Retail) - Los Angeles-South Coast County, 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 | 0.0238 | 0.0163 | 0.1841 | 5.4000e-004 | 0.0559 | 4.5000e-004 | 0.0563 | 0.0148 | 4.2000e-004 | 0.0152 | | 53.6126 | 53.6126 | 1.5800e-003 | | 53.6520 |
| Total | 0.0238 | 0.0163 | 0.1841 | 5.4000e-004 | 0.0559 | 4.5000e-004 | 0.0563 | 0.0148 | 4.2000e-004 | 0.0152 | | 53.6126 | 53.6126 | 1.5800e-003 | | 53.6520 |

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 | 24.7148 | | | | | 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 |
| Total | 24.9337 | 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 |

517 East Broadway (5-story/Med/General Office/Retail) - Los Angeles-South Coast County, 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 | 0.0238 | 0.0163 | 0.1841 | 5.4000e-004 | 0.0559 | 4.5000e-004 | 0.0563 | 0.0148 | 4.2000e-004 | 0.0152 | | 53.6126 | 53.6126 | 1.5800e-003 | | 53.6520 |
| Total | 0.0238 | 0.0163 | 0.1841 | 5.4000e-004 | 0.0559 | 4.5000e-004 | 0.0563 | 0.0148 | 4.2000e-004 | 0.0152 | | 53.6126 | 53.6126 | 1.5800e-003 | | 53.6520 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

517 East Broadway (5-story/Med/General Office/Retail) - Los Angeles-South Coast County, 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 | 0.9927 | 4.7110 | 11.9673 | 0.0397 | 3.2522 | 0.0350 | 3.2872 | 0.8704 | 0.0327 | 0.9030 | | 4,042.6159 | 4,042.6159 | 0.2273 | | 4,048.2989 |
| Unmitigated | 0.9927 | 4.7110 | 11.9673 | 0.0397 | 3.2522 | 0.0350 | 3.2872 | 0.8704 | 0.0327 | 0.9030 | | 4,042.6159 | 4,042.6159 | 0.2273 | | 4,048.2989 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|--------------------------------|-------------------------|----------|--------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Enclosed Parking with Elevator | 0.00 | 0.00 | 0.00 | | |
| General Office Building | 157.84 | 35.20 | 15.03 | 386,311 | 386,311 |
| Medical Office Building | 278.20 | 68.99 | 11.94 | 545,426 | 545,426 |
| Strip Mall | 157.34 | 149.24 | 72.53 | 274,096 | 274,096 |
| Total | 593.38 | 253.44 | 99.49 | 1,205,832 | 1,205,832 |

4.3 Trip Type Information

| Land Use | Miles | | | Trip % | | | Trip Purpose % | | |
|--------------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
| | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| Enclosed Parking with Elevator | 16.60 | 8.40 | 6.90 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| General Office Building | 16.60 | 8.40 | 6.90 | 33.00 | 48.00 | 19.00 | 77 | 19 | 4 |
| Medical Office Building | 16.60 | 8.40 | 6.90 | 29.60 | 51.40 | 19.00 | 60 | 30 | 10 |
| Strip Mall | 16.60 | 8.40 | 6.90 | 16.60 | 64.40 | 19.00 | 45 | 40 | 15 |

4.4 Fleet Mix

517 East Broadway (5-story/Med/General Office/Retail) - Los Angeles-South Coast County, Winter

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|--------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Enclosed Parking with Elevator | 0.547192 | 0.045177 | 0.202743 | 0.121510 | 0.016147 | 0.006143 | 0.019743 | 0.029945 | 0.002479 | 0.002270 | 0.005078 | 0.000682 | 0.000891 |
| General Office Building | 0.547192 | 0.045177 | 0.202743 | 0.121510 | 0.016147 | 0.006143 | 0.019743 | 0.029945 | 0.002479 | 0.002270 | 0.005078 | 0.000682 | 0.000891 |
| Medical Office Building | 0.547192 | 0.045177 | 0.202743 | 0.121510 | 0.016147 | 0.006143 | 0.019743 | 0.029945 | 0.002479 | 0.002270 | 0.005078 | 0.000682 | 0.000891 |
| Strip Mall | 0.547192 | 0.045177 | 0.202743 | 0.121510 | 0.016147 | 0.006143 | 0.019743 | 0.029945 | 0.002479 | 0.002270 | 0.005078 | 0.000682 | 0.000891 |

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|-------------|--------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|---------|
| | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 6.9400e-003 | 0.0631 | 0.0530 | 3.8000e-004 | | 4.8000e-003 | 4.8000e-003 | | 4.8000e-003 | 4.8000e-003 | | 75.7358 | 75.7358 | 1.4500e-003 | 1.3900e-003 | 76.1858 |
| NaturalGas Unmitigated | 6.9400e-003 | 0.0631 | 0.0530 | 3.8000e-004 | | 4.8000e-003 | 4.8000e-003 | | 4.8000e-003 | 4.8000e-003 | | 75.7358 | 75.7358 | 1.4500e-003 | 1.3900e-003 | 76.1858 |

517 East Broadway (5-story/Med/General Office/Retail) - Los Angeles-South Coast County, 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 | | | | | |
| Enclosed Parking with Elevator | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Office Building | 408.243 | 4.4000e-003 | 0.0400 | 0.0336 | 2.4000e-004 | | 3.0400e-003 | 3.0400e-003 | | 3.0400e-003 | 3.0400e-003 | | 48.0286 | 48.0286 | 9.2000e-004 | 8.8000e-004 | 48.3140 |
| Medical Office Building | 219.551 | 2.3700e-003 | 0.0215 | 0.0181 | 1.3000e-004 | | 1.6400e-003 | 1.6400e-003 | | 1.6400e-003 | 1.6400e-003 | | 25.8296 | 25.8296 | 5.0000e-004 | 4.7000e-004 | 25.9830 |
| Strip Mall | 15.9597 | 1.7000e-004 | 1.5600e-003 | 1.3100e-003 | 1.0000e-005 | | 1.2000e-004 | 1.2000e-004 | | 1.2000e-004 | 1.2000e-004 | | 1.8776 | 1.8776 | 4.0000e-005 | 3.0000e-005 | 1.8888 |
| Total | | 6.9400e-003 | 0.0631 | 0.0530 | 3.8000e-004 | | 4.8000e-003 | 4.8000e-003 | | 4.8000e-003 | 4.8000e-003 | | 75.7358 | 75.7358 | 1.4600e-003 | 1.3800e-003 | 76.1858 |

517 East Broadway (5-story/Med/General Office/Retail) - Los Angeles-South Coast County, Winter

5.2 Energy by Land Use - NaturalGas

Mitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------------------------|----------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|----------------|----------------|--------------------|--------------------|----------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| Enclosed Parking with Elevator | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| General Office Building | 0.408243 | 4.4000e-003 | 0.0400 | 0.0336 | 2.4000e-004 | | 3.0400e-003 | 3.0400e-003 | | 3.0400e-003 | 3.0400e-003 | | 48.0286 | 48.0286 | 9.2000e-004 | 8.8000e-004 | 48.3140 |
| Medical Office Building | 0.219551 | 2.3700e-003 | 0.0215 | 0.0181 | 1.3000e-004 | | 1.6400e-003 | 1.6400e-003 | | 1.6400e-003 | 1.6400e-003 | | 25.8296 | 25.8296 | 5.0000e-004 | 4.7000e-004 | 25.9830 |
| Strip Mall | 0.0159597 | 1.7000e-004 | 1.5600e-003 | 1.3100e-003 | 1.0000e-005 | | 1.2000e-004 | 1.2000e-004 | | 1.2000e-004 | 1.2000e-004 | | 1.8776 | 1.8776 | 4.0000e-005 | 3.0000e-005 | 1.8888 |
| Total | | 6.9400e-003 | 0.0631 | 0.0530 | 3.8000e-004 | | 4.8000e-003 | 4.8000e-003 | | 4.8000e-003 | 4.8000e-003 | | 75.7358 | 75.7358 | 1.4600e-003 | 1.3800e-003 | 76.1858 |

6.0 Area Detail

6.1 Mitigation Measures Area

517 East Broadway (5-story/Med/General Office/Retail) - Los Angeles-South Coast County, 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 | 0.5874 | 6.0000e-005 | 6.3700e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | | 0.0136 | 0.0136 | 4.0000e-005 | | 0.0145 |
| Unmitigated | 0.5874 | 6.0000e-005 | 6.3700e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | | 0.0136 | 0.0136 | 4.0000e-005 | | 0.0145 |

6.2 Area by SubCategory

Unmitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|---------------|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.0677 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.5191 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 5.9000e-004 | 6.0000e-005 | 6.3700e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | | 0.0136 | 0.0136 | 4.0000e-005 | | 0.0145 |
| Total | 0.5874 | 6.0000e-005 | 6.3700e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | | 0.0136 | 0.0136 | 4.0000e-005 | | 0.0145 |

517 East Broadway (5-story/Med/General Office/Retail) - Los Angeles-South Coast County, 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 | 0.0677 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.5191 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 5.9000e-004 | 6.0000e-005 | 6.3700e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | | 0.0136 | 0.0136 | 4.0000e-005 | | 0.0145 |
| Total | 0.5874 | 6.0000e-005 | 6.3700e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | | 0.0136 | 0.0136 | 4.0000e-005 | | 0.0145 |

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

517 East Broadway (5-story/Med/General Office/Retail) - Los Angeles-South Coast County, Winter

| 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
