Appendix G
Air Quality Modeling Sheets
## Regional Construction Emissions Worksheet

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### Finish Common Area

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### Paving

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</tr>
<tr>
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**MAX DAILY**

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<th>Exhaust PM10</th>
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**Regional Thresholds**

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<td>75</td>
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<tr>
<td>150</td>
<td>150</td>
<td>55</td>
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</table>

**Exceeds Threshold?**

- PM10: No
- PM2.5: Yes
- Total: Yes

**Maximum Daily Emission**

Note: Includes the correction for Haul (on-road) PM10 Fugitive dust for which CalEEMod incorrectly calculates emissions over the entire duration emitted on one day.
1.0 Project Characteristics

1.1 Land Usage

<table>
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<th>Land Uses</th>
<th>Size</th>
<th>Metric</th>
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<tr>
<td>Single Family Housing</td>
<td>5</td>
<td>Dwelling Unit</td>
</tr>
<tr>
<td>Other Asphalt Surfaces</td>
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<td>Acre</td>
</tr>
<tr>
<td>City Park</td>
<td>1.74</td>
<td>Acre</td>
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</tbody>
</table>

1.2 Other Project Characteristics

- Urbanization: Urban
- Wind Speed (m/s): 2.2
- Climate Zone: 8
- Utility Company: Southern California Edison
- Precipitation Freq (Days): 33

1.3 User Entered Comments

Project Characteristics -
- Land Use: Based on project description
- Construction Phase: Based on information provided by applicant.
- Off-road Equipment: Based on information provided by applicant.
  - Off-road Equipment: Placeholder for hauling activity.
  - Off-road Equipment: Based on information provided by applicant.
  - Off-road Equipment: Placeholder for hauling.
  - Off-road Equipment: Based on information provided by applicant.
  - Off-road Equipment: Based on information provided by applicant.
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  - Off-road Equipment: Based on information provided by applicant.
  - Off-road Equipment: Based on information provided by applicant.
- Construction Off-road Equipment Mitigation -
  - Grading -
  - Demolition -
- Trips and VMT: Based on information provided by applicant.
### 2.0 Emissions Summary

#### 2.1 Overall Construction (Maximum Daily Emission)

#### Unmitigated Construction

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<tr>
<th>Year</th>
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<th>CO</th>
<th>SO2</th>
<th>Fugitive</th>
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<th>PM2.5 Total</th>
<th>PM2.5</th>
<th>Bio- CO2</th>
<th>NBio- CO2</th>
<th>Total CO2</th>
<th>CH4</th>
<th>N2O</th>
<th>CO2e</th>
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<tbody>
<tr>
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#### Mitigated Construction

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#### 3.0 Construction Detail

##### 3.1 Mitigation Measures Construction

- Replace Ground Cover
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads
- Clean Paved Roads

##### 3.2 Grading (Site) - 2014

#### Unmitigated Construction On-Site

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<th>Category</th>
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<th>Bio- CO2</th>
<th>NBio- CO2</th>
<th>Total CO2</th>
<th>CH4</th>
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### 3.3 Grading Haul 1 (Site) - 2014

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### Mitigated Construction On-Site

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### Mitigated Construction Off-Site

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### 3.8 Grading (Road) - 2014

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### Mitigated Construction On-Site

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### 3.9 Paving (Road) - 2014

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#### Unmitigated Construction Off-Site

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### Mitigated Construction Off-Site

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Mitigated Construction Off-Site

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3.10 Trenching (Site) - 2014

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Unmitigated Construction Off-Site

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Mitigated Construction On-Site

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Mitigated Construction Off-Site

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10 of 16
3.11 Backfill/Fine Grading - 2014

### Unmitigated Construction On-Site

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### Mitigated Construction Off-Site

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### 3.12 Pilings - 2014

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11 of 16
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## 3.13 Skate Park - 2014

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### Unmitigated Construction Off-Site

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### 3.13 Skate Park - 2015

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**3.14 Demolition (Maintenance Shed) - 2014**

**Unmitigated Construction On-Site**

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**Mitigated Construction On-Site**

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**Unmitigated Construction Off-Site**

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**Mitigated Construction Off-Site**

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### 3.15 Finish Common Area - 2017

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#### Unmitigated Construction Off-Site

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16 of 16
1.0 Project Characteristics

1.1 Land Usage

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1.2 Other Project Characteristics

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1.3 User Entered Comments

- Project Characteristics -
  - Land Use - Based on project description
  - Construction Phase - Based on information provided by applicant.
  - Off-road Equipment - Based on information provided by applicant.
  - Off-road Equipment - Placeholder for hauling activity.
  - Off-road Equipment - Based on information provided by applicant.
  - Off-road Equipment - Placeholder for hauling.
  - Off-road Equipment - Based on information provided by applicant.
  - Off-road Equipment - Based on information provided by applicant.
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  - Off-road Equipment - Based on information provided by applicant.
  - Off-road Equipment - Based on information provided by applicant.
  - Off-road Equipment - Based on information provided by applicant.
  - Construction Off-road Equipment Mitigation -
    - Grading -
    - Demolition -
  - Trips and VMT - Based on information provided by applicant.
### 2.0 Emissions Summary

#### 2.1 Overall Construction (Maximum Daily Emission)

##### Unmitigated Construction

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##### Mitigated Construction

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#### 3.0 Construction Detail

##### 3.1 Mitigation Measures Construction

- Replace Ground Cover
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads
- Clean Paved Roads

##### 3.2 Grading (Site) - 2014

##### Unmitigated Construction On-Site

<table>
<thead>
<tr>
<th>Category</th>
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### 3.3 Grading Haul 1 (Site) - 2014

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## Mitigated Construction On-Site

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## 3.4 Grading Haul 2 (Site) - 2014

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### 3.5 Paving (home pads) - 2014

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#### Unmitigated Construction Off-Site

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### 3.6 Trenching (Road Hogging) - 2014

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### Unmitigated Construction Off-Site

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## 3.7 Paving (Roadbase) - 2014

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## Unmitigated Construction Off-Site

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## Mitigated Construction On-Site

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## Unmitigated Construction On-Site

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## Mitigated Construction Off-Site

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### 3.8 Grading (Road) - 2014

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#### Mitigated Construction Off-Site

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### 3.9 Paving (Road) - 2014

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#### Unmitigated Construction Off-Site

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#### Mitigated Construction On-Site

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#### Mitigated Construction Off-Site

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### 3.10 Trenching (Site) - 2014

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### 3.11 Backfill/Fine Grading - 2014

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### Unmitigated Construction Off-Site

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<td>Worker</td>
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### 3.12 Pilings - 2014

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### 3.13 Skate Park - 2014

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## 3.13 Skate Park - 2015

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13 of 16
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### Additional Notes
- The document includes data on emissions from various activities such as dust extraction, off-road vehicles, and worker activities.
- The emissions are categorized by type and activity, with totals for each category provided.
- The data is presented in both lb/day and lb/day formats for clarity.

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### 3.15 Finish Common Area - 2017

#### Unmitigated Construction On-Site

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### 3.16 Paving - 2017

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1.0 Project Characteristics

1.1 Land Usage

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1.2 Other Project Characteristics

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1.3 User Entered Comments

- Project Characteristics -
  - Land Use - Based on project description
  - Construction Phase - Based on information provided by applicant
  - Off-road Equipment - Based on information provided by applicant
  - Off-road Equipment - Placeholder for hauling activity
  - Off-road Equipment - Placeholder for hauling
  - Off-road Equipment - Based on information provided by applicant

- Project Characteristics -
  - Off-road Equipment - Based on information provided by applicant
  - Off-road Equipment - Based on information provided by applicant
  - Off-road Equipment - Based on information provided by applicant
  - Off-road Equipment - Based on information provided by applicant
  - Off-road Equipment - Based on information provided by applicant
2.0 Emissions Summary

2.1 Overall Construction

### Unmitigated Construction

| Year | ROG  | NOx  | CO   | SO2  | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio-CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|------|------|------|------|------|---------------|--------------|------------|---------------|--------------|------------|----------|---------|----------|---------|-----|-----|------|
|      |      |      |      |      |               |              |            |               |              |            |          |         |          |       |     |      |
| 2014 | 0.38 | 3.12 | 1.98 | 0.00 | 0.00          | 2.61         | 0.15       | 2.76          | 0.14         | 0.15       | 0.00     | 443.37  | 443.37  | 0.02 | 0.00 | 443.37|
| 2015 | 0.01 | 0.09 | 0.07 | 0.00 | 0.00          | 0.00         | 0.01       | 0.00          | 0.00         | 0.01       | 0.00     | 14.80   | 14.80   | 0.00 | 0.00 | 14.80|
| 2017 | 0.02 | 0.09 | 0.11 | 0.00 | 0.00          | 0.00         | 0.01       | 0.00          | 0.00         | 0.01       | 0.00     | 16.56   | 16.56   | 0.00 | 0.00 | 16.56|
| Total | 0.42 | 3.28 | 2.16 | 0.00 | 0.00          | 2.61         | 0.16       | 2.78          | 0.14         | 0.16       | 0.00     | 475.26  | 475.26  | 0.02 | 0.00 | 475.26|

### Mitigated Construction

| Year | ROG  | NOx  | CO   | SO2  | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio-CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|------|------|------|------|------|---------------|--------------|------------|---------------|--------------|------------|----------|---------|----------|---------|-----|-----|------|
|      |      |      |      |      |               |              |            |               |              |            |          |         |          |       |     |      |
| 2014 | 0.38 | 3.12 | 1.98 | 0.00 | 0.00          | 2.61         | 0.15       | 2.76          | 0.14         | 0.15       | 0.00     | 443.37  | 443.37  | 0.02 | 0.00 | 443.37|
| 2015 | 0.01 | 0.09 | 0.07 | 0.00 | 0.00          | 0.00         | 0.01       | 0.00          | 0.00         | 0.01       | 0.00     | 14.80   | 14.80   | 0.00 | 0.00 | 14.80|
| 2017 | 0.02 | 0.09 | 0.11 | 0.00 | 0.00          | 0.00         | 0.01       | 0.00          | 0.00         | 0.01       | 0.00     | 16.56   | 16.56   | 0.00 | 0.00 | 16.56|
| Total | 0.42 | 3.28 | 2.16 | 0.00 | 0.00          | 2.61         | 0.16       | 2.78          | 0.14         | 0.16       | 0.00     | 474.73  | 474.73  | 0.02 | 0.00 | 474.73|
3.0 Construction Detail

3.1 Mitigation Measures Construction
- Replace Ground Cover
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads
- Clean Paved Roads

3.2 Grading (Site) - 2014

Unmitigated Construction On-Site

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<tr>
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<th>NOy</th>
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Unmitigated Construction Off-Site

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## Mitigated Construction On-Site

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## Mitigated Construction Off-Site

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### 3.3 Grading Haul 1 (Site) - 2014

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### Unmitigated Construction Off-Site

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## 3.4 Grading Haul 2 (Site) - 2014

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### 3.6 Trenching (Road Hogging) - 2014

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### 3.7 Paving (Roadbase) - 2014

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### Unmitigated Construction Off-Site

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### Mitigated Construction On-Site

| Category       | ROG | NOx | CO  | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio-CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e  |
|----------------|-----|-----|-----|-----|----------------|--------------|------------|----------------|---------------|------------|----------|---------|----------|-----------|-----|-----|-------|
|                |     |     |     |     | 0.00          | 0.00         | 0.00       | 0.00           | 0.00          | 0.00       | 0.00    | 0.00    | 0.00      | 0.00 |     |       |
| Off-Road       | 0.00| 0.03| 0.02| 0.00| 0.00          | 0.00         | 0.00       | 0.00           | 0.00          | 0.00       | 2.69    | 2.69    | 0.00      | 0.00 |     | 2.69  |
| Total          | 0.00| 0.03| 0.02| 0.00| 0.00          | 0.00         | 0.00       | 0.00           | 0.00          | 0.00       | 2.69    | 2.69    | 0.00      | 0.00 |     | 2.69  |

### Mitigated Construction Off-Site

| Category       | ROG | NOx | CO  | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio-CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e  |
|----------------|-----|-----|-----|-----|----------------|--------------|------------|----------------|---------------|------------|----------|---------|----------|-----------|-----|-----|-------|
|                |     |     |     |     | 0.00          | 0.00         | 0.00       | 0.00           | 0.00          | 0.00       | 0.00    | 0.00    | 0.00      | 0.00 |     |       |
| Vendor         | 0.00| 0.00| 0.00| 0.00| 0.00          | 0.00         | 0.00       | 0.00           | 0.00          | 0.00       | 0.45    | 0.45    | 0.00      | 0.00 |     | 0.45  |
| Worker         | 0.00| 0.00| 0.00| 0.00| 0.00          | 0.00         | 0.00       | 0.00           | 0.00          | 0.00       | 0.24    | 0.24    | 0.00      | 0.00 |     | 0.44  |
| Total          | 0.00| 0.00| 0.00| 0.00| 0.00          | 0.00         | 0.00       | 0.00           | 0.00          | 0.00       | 0.69    | 0.69    | 0.00      | 0.00 |     | 0.69  |

### Unmitigated Construction On-Site

| Category       | ROG | NOx | CO  | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio-CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e  |
|----------------|-----|-----|-----|-----|----------------|--------------|------------|----------------|---------------|------------|----------|---------|----------|-----------|-----|-----|-------|
|                |     |     |     |     | 0.00          | 0.00         | 0.00       | 0.00           | 0.00          | 0.00       | 12.84   | 12.84   | 0.00      | 0.00 |     | 12.88 |
| Off-Road       | 0.00| 0.12| 0.09| 0.00| 0.01          | 0.01         | 0.01       | 0.01           | 0.01          | 0.01       | 12.84   | 12.84   | 0.00      | 0.00 |     | 12.88 |
| Paving         | 0.00|     |     |     | 0.00          | 0.00         | 0.00       | 0.00           | 0.00          | 0.00       | 0.00    | 0.00    | 0.00      | 0.00 |     | 0.00  |
| Total          | 0.02| 0.12| 0.09| 0.00| 0.01          | 0.01         | 0.01       | 0.01           | 0.01          | 0.01       | 12.84   | 12.84   | 0.00      | 0.00 |     | 12.88 |

### 3.9 Paving (Road) - 2014
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### Mitigated Construction On-Site

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### Mitigated Construction Off-Site

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### 3.10 Trenching (Site) - 2014

#### Unmitigated Construction On-Site

| Category    | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----|-----|----|-----|--------------|--------------|------------|---------------|---------------|------------|-----------|----------|----------|-----------|-----|-----|------|
| Off-Road    | 0.02| 0.11| 0.09| 0.00| 0.01         | 0.01         | 0.01       | 0.01          | 0.01          | 0.01       | 0.00      | 12.82    | 12.82    | 0.00      | 0.00| 0.00| 12.85|
| Total       | 0.02| 0.11| 0.09| 0.00| 0.01         | 0.01         | 0.01       | 0.01          | 0.01          | 0.01       | 0.00      | 12.85    | 12.85    | 0.00      | 0.00| 0.00| 12.85|

#### Unmitigated Construction Off-Site

| Category    | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----|-----|----|-----|--------------|--------------|------------|---------------|---------------|------------|-----------|----------|----------|-----------|-----|-----|------|
| Vendor      | 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| 0.00|
| Worker      | 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| 0.00|
| Total       | 0.00| 0.00| 0.00| 0.00| 0.00         | 0.00         | 0.00       | 0.00          | 0.00          | 0.00       | 0.00      | 1.71     | 1.71     | 0.00      | 1.71| 0.00| 1.71|

#### Mitigated Construction On-Site

| Category    | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----|-----|----|-----|--------------|--------------|------------|---------------|---------------|------------|-----------|----------|----------|-----------|-----|-----|------|
| Off-Road    | 0.02| 0.11| 0.09| 0.00| 0.01         | 0.01         | 0.01       | 0.01          | 0.01          | 0.01       | 0.00      | 12.82    | 12.82    | 0.00      | 0.00| 0.00| 12.85|
| Total       | 0.02| 0.11| 0.09| 0.00| 0.01         | 0.01         | 0.01       | 0.01          | 0.01          | 0.01       | 0.00      | 12.85    | 12.85    | 0.00      | 0.00| 0.00| 12.85|
### Mitigated Construction Off-Site

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### 3.11 Backfill/Fine Grading - 2014

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### 3.12 Pilings - 2014

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#### 3.13 Skate Park - 2014

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#### 3.13 Skate Park - 2015

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### 3.14 Demolition (Maintenance Shed) - 2014

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#### 3.16 Paving - 2017

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### Mitigated Construction On-Site

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Construction_Lots 1&2
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

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1.2 Other Project Characteristics

- Urbanization: Urban
- Wind Speed (m/s): 2.2
- Climate Zone: 8
- Utility Company: Southern California Edison
- Precipitation Freq (Days): 33

1.3 User Entered Comments

Project Characteristics -
Land Use - Based on project description
Construction Phase - Based on information provided by applicant.
Off-road Equipment - Based on information provided by applicant.
Construction Off-road Equipment Mitigation -
Grading -
Demolition -
Trips and VMT - Based on information provided by applicant.
Off-road Equipment - Based on information provided by applicant.
Off-road Equipment -
## 2.0 Emissions Summary

### 2.1 Overall Construction (Maximum Daily Emission)

#### Unmitigated Construction

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## 3.0 Construction Detail

### 3.1 Mitigation Measures Construction

- Replace Ground Cover
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads
- Clean Paved Roads
### 3.2 Building Lots - 2014

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### 3.3 Finishing Homes - 2016

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#### Unmitigated Construction Off-Site

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### Mitigated Construction Off-Site

| Category         | ROG | NOx | CO  | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------|-----|-----|-----|-----|---------------|-------------|-----------|---------------|-------------|-----------|----------|----------|-----------|----------|-----|-----|-----|
| Hauling          | 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| 0.00|
| Vendor           | 0.05| 0.54| 0.38| 0.00| 0.02          | 0.00        | 0.02      | 0.00          | 0.02        | 0.02      | 110.58   | 0.00     | 110.63    |          |     |     |     |
| Worker           | 0.01| 0.01| 0.06| 0.00| 0.01          | 0.00        | 0.01      | 0.00          | 0.00        | 0.00      | 11.31    | 0.00     | 11.32     |          |     |     |     |
| Total            | 0.06| 0.55| 0.44| 0.00| 0.02          | 0.02        | 0.02      | 0.00          | 0.02        | 0.02      | 121.89   | 0.00     | 121.95    |          |     |     |     |

### 3.4 Architectural Coating - 2016

#### Unmitigated Construction On-Site

| Category         | ROG | NOx | CO  | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------|-----|-----|-----|-----|---------------|-------------|-----------|---------------|-------------|-----------|----------|----------|-----------|----------|-----|-----|-----|
| Archit. Coating  | 1.75|     |     |     | 0.00          | 0.00        | 0.00      | 0.00          | 0.00        | 0.00      | 0.00     | 0.00     | 0.00      | 0.00    |     |     |     |
| Off-Road         | 0.37| 2.37| 1.88| 0.00| 0.20          | 0.20        | 0.20      | 0.20          | 0.20        | 0.20      | 261.19   | 0.03     | 261.82    |          |     |     |     |
| Total            | 2.12| 2.37| 1.88| 0.00| 0.20          | 0.20        | 0.20      | 0.20          | 0.20        | 0.20      | 261.19   | 0.03     | 261.82    |          |     |     |     |

#### Unmitigated Construction Off-Site

| Category         | ROG | NOx | CO  | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------|-----|-----|-----|-----|---------------|-------------|-----------|---------------|-------------|-----------|----------|----------|-----------|----------|-----|-----|-----|
| Hauling          | 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    |     |     |     |
| Vendor           | 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    |     |     |     |
| Worker           | 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    |     |     |     |
| Total            | 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    |     |     |     |
## Mitigated Construction On-Site

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Construction_Lots 1&2
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

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1.2 Other Project Characteristics

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1.3 User Entered Comments

Project Characteristics -
Land Use - Based on project description
Construction Phase - Based on information provided by applicant.
Off-road Equipment - Based on information provided by applicant.
Construction Off-road Equipment Mitigation -
Grading -
Demolition -
Trips and VMT - Based on information provided by applicant.
Off-road Equipment - Based on information provided by applicant.
Off-road Equipment -
### 2.0 Emissions Summary

#### 2.1 Overall Construction (Maximum Daily Emission)

##### Unmitigated Construction

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#### 3.0 Construction Detail

### 3.1 Mitigation Measures Construction

- Replace Ground Cover
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads
- Clean Paved Roads
### 3.2 Building Lots - 2014

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### 3.2 Building Lots - 2015

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## Mitigated Construction On-Site

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|--------------------|-----|-----|-----|-----|---------------|--------------|------------|---------------|---------------|-------------|-----------|----------|-----------|----------|-----|-----|------|
| Off-Road           | 2.35| 16.70| 13.32 | 0.02 | 1.20          | 1.20         | 1.20       | 1.20          | 1.20         | 0.00        | 2101.71   | 0.21     | 2106.12  |          |     |     |      |
| Total              | 2.35| 16.70| 13.32 | 0.02 | 1.20          | 1.20         | 1.20       | 1.20          | 1.20         | 0.00        | 2101.71   | 0.21     | 2106.12  |          |     |     |      |

## Mitigated Construction Off-Site

| Category   | ROG | NOx | CO  | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | Netto- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------|-----|-----|-----|-----|---------------|--------------|------------|---------------|---------------|-------------|-----------|----------|-----------|----------|-----|-----|------|
| Hauling    | 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 |
| Vendor     | 0.08| 0.84| 0.54| 0.00| 0.00          | 0.00         | 0.00       | 0.00          | 0.00         | 0.03        | 0.03      | 0.03     | 0.00     | 166.79  |     |     | 166.88|
| Worker     | 0.01| 0.01| 0.01| 0.00| 0.00          | 0.00         | 0.00       | 0.00          | 0.00         | 0.00        | 0.00      | 0.00     | 0.00     | 12.39   |     |     | 12.40 |
| Total      | 0.09| 0.85| 0.61| 0.00| 0.00          | 0.00         | 0.00       | 0.00          | 0.00         | 0.03        | 0.03      | 0.03     | 0.00     | 179.18  |     |     | 179.28|

### 3.3 Finishing Homes - 2015

## Unmitigated Construction On-Site

| Category | ROG  | NOx  | CO   | SO2  | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | Netto- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------|------|------|------|------|---------------|--------------|------------|---------------|---------------|-------------|-----------|----------|-----------|----------|-----|-----|------|
| Off-Road | 0.63 | 4.65 | 4.41 | 0.01 | 0.30          | 0.30         | 0.30       | 0.30          | 0.30         | 0.30        | 688.55    | 0.06     | 688.75   |          |     |     |      |
| Total    | 0.63 | 4.65 | 4.41 | 0.01 | 0.30          | 0.30         | 0.30       | 0.30          | 0.30         | 0.30        | 688.55    | 0.06     | 688.75   |          |     |     |      |
### Unmitigated Construction Off-Site

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Construction_Lots 1&2
Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

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Precipitation Freq (Days) 33

1.3 User Entered Comments

Project Characteristics -
Land Use - Based on project description
Construction Phase - Based on information provided by applicant.
Off-road Equipment - Based on information provided by applicant.
Construction Off-road Equipment Mitigation -
Grading -
Demolition -
Trips and VMT - Based on information provided by applicant.
Off-road Equipment - Based on information provided by applicant.
Off-road Equipment -
## 2.0 Emissions Summary

### 2.1 Overall Construction

#### Unmitigated Construction

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3.0 Construction Detail

3.1 Mitigation Measures Construction

Replace Ground Cover
Water Exposed Area
Reduce Vehicle Speed on Unpaved Roads
Clean Paved Roads

3.2 Building Lots - 2014

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### 3.2 Building Lots - 2015

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#### 3.3 Finishing Homes - 2016

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## 3.4 Architectural Coating - 2016

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**1.0 Project Characteristics**

**1.1 Land Usage**

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**1.2 Other Project Characteristics**

- **Urbanization**: Urban
- **Wind Speed (m/s)**: 2.2
- **Climate Zone**: 8
- **Utility Company**: Southern California Edison
- **Precipitation Freq (Days)**: 33

**1.3 User Entered Comments**

- Project Characteristics -
- Land Use - Based on project description
- Construction Phase - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Construction Off-road Equipment Mitigation -
- Grading -
- Demolition -
- Trips and VMT - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Off-road Equipment -

**Construction_Lots 3&4**

Los Angeles-South Coast County, Winter
## 2.0 Emissions Summary

### 2.1 Overall Construction (Maximum Daily Emission)

#### Unmitigated Construction

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<tr>
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## 3.0 Construction Detail

### 3.1 Mitigation Measures Construction

- Replace Ground Cover
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads
- Clean Paved Roads
## 3.2 Building Lots - 2015

### Unmitigated Construction On-Site

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#### 3.3 Finishing Homes - 2015

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### 3.3 Finishing Homes - 2016

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### 3.4 Architectural Coating - 2016

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#### Unmitigated Construction Off-Site

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## 1.0 Project Characteristics

### 1.1 Land Usage

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### 1.2 Other Project Characteristics

- **Urbanization**: Urban
- **Wind Speed (m/s)**: 2.2
- **Utility Company**: Southern California Edison
- **Climate Zone**: 8
- **Precipitation Freq (Days)**: 33

### 1.3 User Entered Comments

- Project Characteristics -
- Land Use - Based on project description
- Construction Phase - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Construction Off-road Equipment Mitigation -
- Grading -
- Demolition -
- Trips and VMT - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Off-road Equipment -
### 2.0 Emissions Summary

#### 2.1 Overall Construction (Maximum Daily Emission)

##### Unmitigated Construction

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#### 3.0 Construction Detail

##### 3.1 Mitigation Measures Construction

- Replace Ground Cover
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads
- Clean Paved Roads
## 3.2 Building Lots - 2015

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### 3.3 Finishing Homes - 2015

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### Mitigated Construction On-Site

| Category           | ROG | NOx | CO  | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------------|-----|-----|-----|-----|---------------|--------------|------------|---------------|--------------|------------|----------|----------|----------|---------|-----|-----|------|
| Off-Road           | 0.43| 3.31| 3.21| 0.01| 0.19          | 0.19         | 0.19       | 0.19          | 0.19         | 0.19       | 0.00     | 509.78   | 0.04     | 510.60  |
| Total              | 0.43| 3.31| 3.21| 0.01| 0.19          | 0.19         | 0.19       | 0.19          | 0.19         | 0.19       | 0.00     | 509.78   | 0.04     | 510.60  |

### Mitigated Construction Off-Site

| Category           | ROG | NOx | CO  | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------------|-----|-----|-----|-----|---------------|--------------|------------|---------------|--------------|------------|----------|----------|----------|---------|-----|-----|------|
| Hauling            | 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|
| Vendor             | 0.05| 0.56| 0.38| 0.00| 0.03          | 0.02         | 0.05       | 0.02          | 0.02         | 0.02       | 111.19   | 0.00     | 111.25   | 0.00    | 111.25|
| Worker             | 0.01| 0.51| 0.57| 0.00| 0.01          | 0.01         | 0.01       | 0.00          | 0.00         | 0.00       | 12.39    | 0.00     | 12.39    | 0.00    | 12.39|
| Total              | 0.06| 0.57| 0.43| 0.00| 0.04          | 0.02         | 0.06       | 0.02          | 0.02         | 0.02       | 123.58   | 0.00     | 123.65   | 0.00    | 123.65|

### 3.3 Finishing Homes - 2016

#### Unmitigated Construction On-Site

| Category       | ROG | NOx | CO  | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|-----|-----|-----|-----|---------------|--------------|------------|---------------|--------------|------------|----------|----------|----------|---------|-----|-----|------|
| Off-Road       | 0.39| 3.02| 3.19| 0.01| 0.16          | 0.16         | 0.16       | 0.16          | 0.16         | 0.16       | 509.78   | 0.04     | 510.52   | 0.04    | 510.52|
| Total          | 0.39| 3.02| 3.19| 0.01| 0.16          | 0.16         | 0.16       | 0.16          | 0.16         | 0.16       | 509.78   | 0.04     | 510.52   | 0.04    | 510.52|
### Unmitigated Construction Off-Site

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### Mitigated Construction Off-Site

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### 3.4 Architectural Coating - 2016

#### Unmitigated Construction On-Site

| Category          | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------|-----|-----|----|-----|---------------|--------------|------------|---------------|---------------|------------|-----------|----------|----------|-----------|-----|-----|------|
| Architect. Coating| 1.75| 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     |     |
| Off-Road          | 0.37| 2.37| 1.88| 0.00| 0.20          | 0.20         | 0.20       | 0.20          | 0.20          | 0.20       | 0.03      | 281.19   | 0.03     | 281.89   |     |
| Total             | 2.12| 2.37| 1.88| 0.00| 0.20          | 0.20         | 0.20       | 0.20          | 0.20          | 0.20       | 0.03      | 281.19   | 0.03     | 281.89   |     |

#### Unmitigated Construction Off-Site

| Category    | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----|-----|----|-----|---------------|--------------|------------|---------------|---------------|------------|-----------|----------|----------|-----------|-----|-----|------|
| Hauling     | 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     |     |
| Vendor      | 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     |     |
| Worker      | 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     |     |
| Total       | 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     |     |

#### Mitigated Construction On-Site

| Category          | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------|-----|-----|----|-----|---------------|--------------|------------|---------------|---------------|------------|-----------|----------|----------|-----------|-----|-----|------|
| Architect. Coating| 1.75| 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     |     |
| Off-Road          | 0.37| 2.37| 1.88| 0.00| 0.20          | 0.20         | 0.20       | 0.20          | 0.20          | 0.20       | 0.03      | 281.19   | 0.03     | 281.89   |     |
| Total             | 2.12| 2.37| 1.88| 0.00| 0.20          | 0.20         | 0.20       | 0.20          | 0.20          | 0.20       | 0.03      | 281.19   | 0.03     | 281.89   |     |
### Mitigated Construction Off-Site

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1.0 Project Characteristics

1.1 Land Usage

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</table>

1.2 Other Project Characteristics

- **Urbanization**: Urban
- **Wind Speed (m/s)**: 2.2
- **Climate Zone**: 8
- **Utility Company**: Southern California Edison
- **Precipitation Freq (Days)**: 33

1.3 User Entered Comments

- Project Characteristics -
- Land Use - Based on project description
- Construction Phase - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Construction Off-road Equipment Mitigation -
- Grading -
- Demolition -
- Trips and VMT - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Off-road Equipment -
## 2.0 Emissions Summary

### 2.1 Overall Construction

#### Unmitigated Construction

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<th>CO</th>
<th>SO2</th>
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<th>Exhaust PM10</th>
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<th>Fugitive PM2.5</th>
<th>Exhaust PM2.5</th>
<th>PM2.5 Total</th>
<th>Bio-CO2</th>
<th>NBio-CO2</th>
<th>Total CO2</th>
<th>CH4</th>
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#### Mitigated Construction

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### 3.0 Construction Detail

#### 3.1 Mitigation Measures Construction

- Replace Ground Cover
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads
- Clean Paved Roads
### 3.2 Building Lots - 2015

#### Unmitigated Construction On-Site

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#### Unmitigated Construction Off-Site

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#### Mitigated Construction On-Site

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## Mitigated Construction Off-Site

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### 3.3 Finishing Homes - 2015

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4 of 8
### Mitigated Construction On-Site

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### Mitigated Construction Off-Site

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### 3.3 Finishing Homes - 2016

### Unmitigated Construction On-Site

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### Unmitigated Construction Off-Site

| Category       | ROG | NOx | CO  | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|-----|-----|-----|-----|----------------|--------------|------------|----------------|---------------|------------|-----------|-----------|-----------|-----------|-----|-----|------|
| Hauling        | 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| 0.00 |
| Vendor         | 0.00| 0.05| 0.04| 0.00| 0.00           | 0.01         | 0.00       | 0.00           | 0.00          | 0.00       | 0.00     | 9.82     | 9.82      | 0.00      | 0.00| 9.83| 9.83 |
| Worker         | 0.00| 0.00| 0.01| 0.00| 0.00           | 0.00         | 0.00       | 0.00           | 0.00          | 0.00       | 0.00     | 1.02     | 1.02      | 0.00      | 0.00| 1.03| 1.03 |
| **Total**      | 0.00| 0.05| 0.05| 0.00| 0.00           | 0.01         | 0.00       | 0.00           | 0.00          | 0.00       | 0.00     | 10.84    | 10.84     | 0.00      | 0.00| 10.86| 10.86 |

### Mitigated Construction On-Site

| Category       | ROG | NOx | CO  | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|-----|-----|-----|-----|----------------|--------------|------------|----------------|---------------|------------|-----------|-----------|-----------|-----------|-----|-----|------|
| Off-Road       | 0.04| 0.29| 0.31| 0.00| 0.02           | 0.02         | 0.02       | 0.02           | 0.02          | 0.02       | 45.08     | 45.08     | 0.00      | 0.00     | 45.14|
| **Total**      | 0.04| 0.29| 0.31| 0.00| 0.02           | 0.02         | 0.02       | 0.02           | 0.02          | 0.02       | 45.08     | 45.08     | 0.00      | 0.00     | 45.14|

### Mitigated Construction Off-Site

| Category       | ROG | NOx | CO  | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|-----|-----|-----|-----|----------------|--------------|------------|----------------|---------------|------------|-----------|-----------|-----------|-----------|-----|-----|------|
| Hauling        | 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| 0.00 |
| Vendor         | 0.00| 0.05| 0.04| 0.00| 0.00           | 0.00         | 0.00       | 0.00           | 0.00          | 0.00       | 0.00     | 9.82     | 9.82      | 0.00      | 0.00| 9.83| 9.83 |
| Worker         | 0.00| 0.00| 0.01| 0.00| 0.00           | 0.00         | 0.00       | 0.00           | 0.00          | 0.00       | 0.00     | 1.02     | 1.02      | 0.00      | 0.00| 1.03| 1.03 |
| **Total**      | 0.00| 0.05| 0.05| 0.00| 0.00           | 0.00         | 0.00       | 0.00           | 0.00          | 0.00       | 0.00     | 10.84    | 10.84     | 0.00      | 0.00| 10.86| 10.86 |
### 3.4 Architectural Coating - 2016

#### Unmitigated Construction On-Site

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1.0 Project Characteristics

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1.2 Other Project Characteristics

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1.3 User Entered Comments

Project Characteristics -
Land Use - Based on project description
Construction Phase - Based on information provided by applicant.
Off-road Equipment - Based on information provided by applicant.
Construction Off-road Equipment Mitigation -
Grading -
Demolition -
Trips and VMT - Based on information provided by applicant.
Off-road Equipment - Based on information provided by applicant.
Off-road Equipment - Based on information provided by applicant.
Off-road Equipment -
## 2.0 Emissions Summary

### 2.1 Overall Construction (Maximum Daily Emission)

#### Unmitigated Construction

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### 3.0 Construction Detail

#### 3.1 Mitigation Measures Construction

- Replace Ground Cover
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads
- Clean Paved Roads
## 3.2 Building Lots - 2015

### Unmitigated Construction On-Site

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### 3.3 Finishing Homes - 2015

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### 3.3 Finishing Homes - 2017

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### Unmitigated Construction Off-Site

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8 of 10
### Mitigated Construction On-Site

| Category          | ROG | NOx | CO  | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------|-----|-----|-----|-----|---------------|--------------|------------|---------------|---------------|------------|----------|---------|----------|----------|-----|-----|------|
| Archit. Coating   | 0.87| 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 |
| Off-Road          | 0.37| 2.37| 1.88| 0.00| 0.20          | 0.20         | 0.20       | 0.20          | 0.20          | 0.20       | 281.19  | 0.03    | 281.89   | 0.00 |
| Total             | 1.24| 2.37| 1.88| 0.00| 0.20          | 0.20         | 0.20       | 0.20          | 0.20          | 0.20       | 281.19  | 0.03    | 281.89   | 0.00 |

### Mitigated Construction Off-Site

| Category | ROG | NOx | CO  | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------|-----|-----|-----|-----|---------------|--------------|------------|---------------|---------------|------------|----------|---------|----------|----------|-----|-----|------|
| Hauling  | 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 |
| Vendor   | 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 |
| Worker   | 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 |
| Total    | 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 |

#### 3.4 Architectural Coating - 2017

### Unmitigated Construction On-Site

| Category          | ROG | NOx | CO  | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------|-----|-----|-----|-----|---------------|--------------|------------|---------------|---------------|------------|----------|---------|----------|----------|-----|-----|------|
| Archit. Coating   | 0.87| 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 |
| Off-Road          | 0.33| 2.18| 1.87| 0.00| 0.17          | 0.17         | 0.17       | 0.17          | 0.17          | 0.17       | 281.19  | 0.03    | 281.81   | 0.00 |
| Total             | 1.20| 2.18| 1.87| 0.00| 0.17          | 0.17         | 0.17       | 0.17          | 0.17          | 0.17       | 281.19  | 0.03    | 281.81   | 0.00 |
### Unmitigated Construction Off-Site

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### Mitigated Construction On-Site

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1.0 Project Characteristics

1.1 Land Usage

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1.2 Other Project Characteristics

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1.3 User Entered Comments

Project Characteristics -
- Land Use - Based on project description
- Construction Phase - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Construction Off-road Equipment Mitigation -
- Grading -
- Demolition -
- Trips and VMT - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Off-road Equipment -
## 2.0 Emissions Summary

### 2.1 Overall Construction (Maximum Daily Emission)

#### Unmitigated Construction

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#### Mitigated Construction

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### 3.0 Construction Detail

#### 3.1 Mitigation Measures Construction

- Replace Ground Cover
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads
- Clean Paved Roads
## 3.2 Building Lots - 2015

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### Unmitigated Construction Off-Site

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### 3.3 Finishing Homes - 2015
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### 3.4 Architectural Coating - 2016

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3.4 Architectural Coating - 2017

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1.0 Project Characteristics

1.1 Land Usage

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1.2 Other Project Characteristics

- Urbanization: Urban
- Wind Speed (m/s): 2.2
- Climate Zone: 8
- Utility Company: Southern California Edison
- Precipitation Freq (Days): 33

1.3 User Entered Comments

- Project Characteristics -
- Land Use - Based on project description
- Construction Phase - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Construction Off-road Equipment Mitigation -
- Grading -
- Demolition -
- Trips and VMT - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Off-road Equipment -
## 2.0 Emissions Summary

### 2.1 Overall Construction

#### Unmitigated Construction

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### 3.0 Construction Detail

#### 3.1 Mitigation Measures Construction

- Replace Ground Cover
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads
- Clean Paved Roads
### 3.2 Building Lots - 2015

#### Unmitigated Construction On-Site

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3 of 10
### Mitigated Construction Off-Site

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### 3.3 Finishing Homes - 2015

#### Unmitigated Construction On-Site

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#### Unmitigated Construction Off-Site

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### Mitigated Construction On-Site

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### Mitigated Construction Off-Site

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### 3.3 Finishing Homes - 2016

#### Unmitigated Construction On-Site

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### Unmitigated Construction Off-Site

| Category     | ROG | NOx | CO  | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | Nito- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|-----|-----|-----|-----|---------------|--------------|------------|---------------|--------------|------------|----------|----------|----------|---------|-----|-----|------|
| Hauling      | 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 |
| Vendor       | 0.00| 0.00| 0.00| 0.00| 0.00          | 0.00         | 0.00       | 0.00          | 0.00         | 0.00       | 0.00     | 6.58     | 6.58     | 0.00   | 0.00 | 6.58 |
| Worker       | 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 |
| Total        | 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 |

### Mitigated Construction On-Site

| Category     | ROG | NOx | CO  | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | Nito- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|-----|-----|-----|-----|---------------|--------------|------------|---------------|--------------|------------|----------|----------|----------|---------|-----|-----|------|
| Off-Road     | 0.05| 0.37| 0.40| 0.00| 0.02          | 0.02         | 0.02       | 0.02          | 0.02         | 0.02       | 57.35    | 57.35    | 0.00     | 0.00   | 57.35|
| Total        | 0.05| 0.37| 0.40| 0.00| 0.02          | 0.02         | 0.02       | 0.02          | 0.02         | 0.02       | 57.35    | 57.35    | 0.00     | 0.00   | 57.35|

### Mitigated Construction Off-Site

| Category     | ROG | NOx | CO  | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | Nito- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|-----|-----|-----|-----|---------------|--------------|------------|---------------|--------------|------------|----------|----------|----------|---------|-----|-----|------|
| Hauling      | 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 |
| Vendor       | 0.00| 0.00| 0.00| 0.00| 0.00          | 0.00         | 0.00       | 0.00          | 0.00         | 0.00       | 0.00     | 6.58     | 6.58     | 0.00   | 0.00 | 6.58 |
| Worker       | 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 |
| Total        | 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 |
### 3.3 Finishing Homes - 2017

#### Unmitigated Construction On-Site

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#### Unmitigated Construction Off-Site

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### Mitigated Construction Off-Site

| Category   | ROG | NOx | CO  | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4    | N2O | CO2e |
|------------|-----|-----|-----|-----|----------------|--------------|------------|----------------|--------------|------------|----------|----------|----------|----------|-------|------|------|
| Hauling    | 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 |
| Vendor     | 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   | 0.58 | 0.58 |
| Worker     | 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 |
| Total      | 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     | 0.58   | 0.58 | 0.58 |

#### 3.4 Architectural Coating - 2016

### Unmitigated Construction On-Site

| Category   | ROG | NOx | CO  | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4    | N2O | CO2e |
|------------|-----|-----|-----|-----|----------------|--------------|------------|----------------|--------------|------------|----------|----------|----------|----------|-------|------|------|
| Archit. Coating | 0.03|     |     |     |                |              |            |                |              |            |          |          |          | 0.00    |      |      |      |
| Off-Road   | 0.01| 0.09| 0.07| 0.00| 0.01           | 0.01         | 0.02       | 0.01           | 0.01         | 0.02       | 0.00     | 0.00     | 0.00     | 9.71    |     |     |     |
| Total      | 0.04| 0.09| 0.07| 0.00| 0.01           | 0.01         | 0.02       | 0.01           | 0.01         | 0.02       | 0.00     | 0.00     | 0.00     | 9.71    |     |     |     |

### Unmitigated Construction Off-Site

| Category   | ROG | NOx | CO  | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4    | N2O | CO2e |
|------------|-----|-----|-----|-----|----------------|--------------|------------|----------------|--------------|------------|----------|----------|----------|----------|-------|------|------|
| Hauling    | 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 |
| Vendor     | 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 |
| Worker     | 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 |
| Total      | 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 |
### Mitigated Construction On-Site

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3.4 Architectural Coating - 2017

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### Mitigated Construction On-Site

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Construction_WaterMain
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

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1.2 Other Project Characteristics

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1.3 User Entered Comments

Project Characteristics -
Land Use - Based on project description
Construction Phase - Based on information provided by applicant.
Off-road Equipment - Based on information provided by applicant.
Construction Off-road Equipment Mitigation -
Grading -
Demolition -
Trips and VMT - Based on information provided by applicant.
Off-road Equipment - Based on information provided by applicant.
Off-road Equipment - Placeholder for this activity.
## 2.0 Emissions Summary

### 2.1 Overall Construction (Maximum Daily Emission)

#### Unmitigated Construction

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<tr>
<th>Year</th>
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#### Mitigated Construction

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### 3.0 Construction Detail

#### 3.1 Mitigation Measures Construction

- Replace Ground Cover
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads
- Clean Paved Roads
### 3.2 Water Main Installation - 2014

#### Unmitigated Construction On-Site

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#### Unmitigated Construction Off-Site

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#### Mitigated Construction On-Site

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### 3.3 Water Main Haul - 2014

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## Unmitigated Construction Off-Site

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### Mitigated Construction On-Site

| Category      | ROG | NOx | CO  | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|-----|-----|-----|-----|---------------|--------------|------------|---------------|--------------|------------|----------|----------|----------|----------|-----|-----|------|
| Fugitive Dust |     |     |     |     | 0.00         | 0.00         | 0.00       | 0.00          | 0.00         | 0.00       | 0.00     | 0.00     | 0.00     |     |     | 0.00 |
| Off-Road      | 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 |
| Total         | 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 |

### Mitigated Construction Off-Site

| Category     | ROG | NOx | CO  | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|-----|-----|-----|-----|---------------|--------------|------------|---------------|--------------|------------|----------|----------|----------|----------|-----|-----|------|
| Hauling      | 0.05| 0.34| 0.46| 0.06| 0.06          | 0.06         | 0.06       | 0.00          | 0.01         | 0.01       | 23.90    | 0.00     | 23.95    |     |     | 23.95|
| Vendor       | 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 |
| Worker       | 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 |
| Total        | 0.05| 0.34| 0.46| 0.06| 0.06          | 0.06         | 0.06       | 0.00          | 0.01         | 0.01       | 23.90    | 0.00     | 23.95    |     |     | 23.95|
1.0 Project Characteristics

1.1 Land Usage

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1.2 Other Project Characteristics

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<td>Climate Zone</td>
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1.3 User Entered Comments

Project Characteristics -
Land Use - Based on project description
Construction Phase - Based on information provided by applicant.
Off-road Equipment - Based on information provided by applicant.
Construction Off-road Equipment Mitigation -
Grading -
Demolition -
Trips and VMT - Based on information provided by applicant.
Off-road Equipment - Based on information provided by applicant.
Off-road Equipment - Placeholder for this activity.
2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

### Unmitigated Construction

<table>
<thead>
<tr>
<th>Year</th>
<th>ROG</th>
<th>NOx</th>
<th>CO</th>
<th>SO2</th>
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<th>Total CO2</th>
<th>CH4</th>
<th>N2O</th>
<th>CO2e</th>
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### Mitigated Construction

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</table>

3.0 Construction Detail

3.1 Mitigation Measures Construction

- Replace Ground Cover
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads
- Clean Paved Roads
### 3.2 Water Main Installation - 2014

#### Unmitigated Construction On-Site

<table>
<thead>
<tr>
<th>Category</th>
<th>ROG</th>
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#### Unmitigated Construction Off-Site

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3.3 Water Main Haul - 2014
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Construction_WaterMain
Los Angeles-South Coast County, Annual

1.0 Project Characteristics

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1.2 Other Project Characteristics

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Precipitation Freq (Days) 33

1.3 User Entered Comments

Project Characteristics -
Land Use - Based on project description
Construction Phase - Based on information provided by applicant.
Off-road Equipment - Based on information provided by applicant.
Construction Off-road Equipment Mitigation -
Grading -
Demolition -
Trips and VMT - Based on information provided by applicant.
Vehicle Trips - Based on traffic study.
Off-road Equipment - Based on information provided by applicant.
Off-road Equipment - Placeholder for this activity.
## 2.0 Emissions Summary

### 2.1 Overall Construction

#### Unmitigated Construction

<table>
<thead>
<tr>
<th>Year</th>
<th>PM2.5</th>
<th>PM10 Total</th>
<th>Bio- CO2</th>
<th>NBio- CO2</th>
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#### Mitigated Construction

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### 3.0 Construction Detail

#### 3.1 Mitigation Measures Construction

- Replace Ground Cover
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads
- Clean Paved Roads

#### 3.2 Water Main Installation - 2014

#### Unmitigated Construction On-Site

<table>
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<tr>
<th>Category</th>
<th>ROG</th>
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Regional Construction Emissions Worksheet - Mitigated
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### Finishing Homes Lots 1&2

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<th>Exhaust PM10</th>
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### Finishing Homes Lot 5

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<th>Fugitive PM2.5</th>
<th>Exhaust PM2.5</th>
<th>PM2.5 Total</th>
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### Architectural Coating (Lots 1&2)

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<th>SO2</th>
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<th>Exhaust PM10</th>
<th>PM10 Total</th>
<th>Fugitive PM2.5</th>
<th>Exhaust PM2.5</th>
<th>PM2.5 Total</th>
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### Architectural Coating (Lot 5)

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<th>Fugitive PM10</th>
<th>Exhaust PM10</th>
<th>PM10 Total</th>
<th>Fugitive PM2.5</th>
<th>Exhaust PM2.5</th>
<th>PM2.5 Total</th>
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</thead>
<tbody>
<tr>
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### Architectural Coating (Lot 6)

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<th>CO</th>
<th>SO2</th>
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<th>Exhaust PM10</th>
<th>PM10 Total</th>
<th>Fugitive PM2.5</th>
<th>Exhaust PM2.5</th>
<th>PM2.5 Total</th>
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<tr>
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</tbody>
</table>

### Regional Thresholds

- MAX DAILY: 10.77, 91.11, 63.15, 0.14, 9.89, 4.51, 13.21, 2.52, 4.61, 8.03
- Regional Thresholds: 75, 100, 590, 150, 150
- Exceeds Thresholds?: No No No No No No

---

**Note:** Includes the correction for Heat (on-road) PM10 Fugitive dust for which CALEEMOD incorrectly calculates emissions over the entire duration entitled on one day.
# 1.0 Project Characteristics

## 1.1 Land Usage

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<th>Land Uses</th>
<th>Size</th>
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<tbody>
<tr>
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<td>City Park</td>
<td>1.74</td>
<td>Acre</td>
</tr>
<tr>
<td>Single Family Housing</td>
<td>5</td>
<td>Dwelling Unit</td>
</tr>
</tbody>
</table>

## 1.2 Other Project Characteristics

- **Urbanization**: Urban
- **Wind Speed (m/s)**: 2.2
- **Utility Company**: Southern California Edison
- **Climate Zone**: 8
- **Precipitation Freq (Days)**: 33

## 1.3 User Entered Comments

- Project Characteristics -
  - Land Use - Based on project description
  - Construction Phase - Based on information provided by applicant.
  - Off-road Equipment - Based on information provided by applicant.
  - Off-road Equipment - Based on information provided by applicant.
  - Off-road Equipment - Placeholder for hauling activity.
  - Off-road Equipment - Placeholder for hauling.
  - Trips and VMT - Based on information provided by applicant.
  - Demolition -
  - Grading -
  - Construction Off-road Equipment Mitigation -
# 2.0 Emissions Summary

## 2.1 Overall Construction (Maximum Daily Emission)

### Unmitigated Construction

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<tr>
<th>Year</th>
<th>ROG lb/day</th>
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<th>CO lb/day</th>
<th>SO2 lb/day</th>
<th>Fugitive PM10 lb/day</th>
<th>Exhaust PM10 lb/day</th>
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## 3.0 Construction Detail

### 3.1 Mitigation Measures Construction

- Use Cleaner Engines for Construction Equipment
- Use DPF for Construction Equipment
- Replace Ground Cover
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads
- Clean Paved Roads
### 3.2 Grading (Site) - 2014

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#### 3.3 Grading Haul 1 (Site) - 2014

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### 3.4 Grading Haul 2 (Site) - 2014

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<th>Exhaust PM2.5</th>
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### Mitigated Construction On-Site

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<th>N2O</th>
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6 of 6
1.0 Project Characteristics

1.1 Land Usage

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1.2 Other Project Characteristics

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| Precipitation Freq (Days) | 33 |

1.3 User Entered Comments

Project Characteristics -

Land Use - Based on project description
Construction Phase - Based on information provided by applicant.
Off-road Equipment - Based on information provided by applicant.
Off-road Equipment - Based on information provided by applicant.
Off-road Equipment - Placeholder for hauling activity.
Off-road Equipment - Placeholder for hauling.
Trips and VMT - Placeholder for hauling.
Demolition -
Grading -
Construction Off-road Equipment Mitigation -
## 2.0 Emissions Summary

### 2.1 Overall Construction (Maximum Daily Emission)

#### Unmitigated Construction

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<tr>
<th>Year</th>
<th>ROG</th>
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<th>CO</th>
<th>SO2</th>
<th>Exhaust PM10</th>
<th>Fugitive PM10</th>
<th>PM10 Total</th>
<th>Exhaust PM2.5</th>
<th>Fugitive PM2.5</th>
<th>PM2.5 Total</th>
<th>Bio-CO2</th>
<th>NBio-CO2</th>
<th>Total CO2</th>
<th>CH4</th>
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<td>0.00</td>
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#### Mitigated Construction

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<th>Year</th>
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### 3.0 Construction Detail

#### 3.1 Mitigation Measures Construction

- Use Cleaner Engines for Construction Equipment
- Use DPF for Construction Equipment
- Replace Ground Cover
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads
- Clean Paved Roads
### 3.2 Grading (Site) - 2014

#### Unmitigated Construction On-Site

<table>
<thead>
<tr>
<th>Category</th>
<th>ROG</th>
<th>NOx</th>
<th>CO</th>
<th>SO2</th>
<th>Fugitive PM10</th>
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#### Unmitigated Construction Off-Site

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#### Mitigated Construction On-Site

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#### 3.3 Grading Haul 1 (Site) - 2014

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## Mitigated Construction On-Site

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### 3.4 Grading Haul 2 (Site) - 2014

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Construction_Main_Mit
Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

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1.2 Other Project Characteristics

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1.3 User Entered Comments

Project Characteristics -
Land Use - Based on project description
Construction Phase - Based on information provided by applicant.
Off-road Equipment - Based on information provided by applicant.
Off-road Equipment - Based on information provided by applicant.
Off-road Equipment - Placeholder for hauling activity.
Off-road Equipment - Placeholder for hauling.
Trips and VMT - Placeholder for hauling activity.
Demolition -
Grading -
Construction Off-road Equipment Mitigation -
### 2.0 Emissions Summary

#### 2.1 Overall Construction

**Unmitigated Construction**

<table>
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<tr>
<th>Year</th>
<th>ROG</th>
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<th>SO2</th>
<th>Fugitive PM10</th>
<th>Exhaust PM10</th>
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<th>Fugitive PM2.5</th>
<th>Exhaust PM2.5</th>
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**Mitigated Construction**

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#### 3.0 Construction Detail

**3.1 Mitigation Measures Construction**

- Use Cleaner Engines for Construction Equipment
- Use DPF for Construction Equipment
- Replace Ground Cover
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads
- Clean Paved Roads
### 3.2 Grading (Site) - 2014

#### Unmitigated Construction On-Site

<table>
<thead>
<tr>
<th>Category</th>
<th>ROG</th>
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#### Unmitigated Construction Off-Site

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#### Mitigated Construction On-Site

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### Mitigated Construction Off-Site

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### 3.3 Grading Haul 1 (Site) - 2014

### Unmitigated Construction On-Site

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### Unmitigated Construction Off-Site

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</tbody>
</table>
### Mitigated Construction On-Site

| Category            | ROG | NOx | CO  | SO2 | Fugitive Dust | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4  | N2O | CO2e |
|---------------------|-----|-----|-----|-----|---------------|---------------|------------|---------------|---------------|------------|-----------|----------|---------|----------|--------|-----|-----|
|                     | tons/yr | MT/yr | tons/yr | MT/yr | tons/yr | MT/yr | tons/yr | MT/yr | tons/yr | MT/yr | tons/yr | MT/yr | tons/yr | MT/yr | tons/yr | MT/yr |
| Fugitive Dust       | 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 |
| Off-Road            | 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 |
| Total               | 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 |

### Mitigated Construction Off-Site

| Category            | ROG | NOx | CO  | SO2 | Fugitive Dust | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4  | N2O | CO2e |
|---------------------|-----|-----|-----|-----|---------------|---------------|------------|---------------|---------------|------------|-----------|----------|---------|----------|--------|-----|-----|
|                     | tons/yr | MT/yr | tons/yr | MT/yr | tons/yr | MT/yr | tons/yr | MT/yr | tons/yr | MT/yr | tons/yr | MT/yr | tons/yr | MT/yr | tons/yr | MT/yr |
| Hauling             | 0.16 | 1.54 | 0.00 | 0.00 | 3.55         | 0.07         | 3.62       | 0.07         | 0.07         | 0.08       | 0.00    | 248.61  | 248.61  | 0.01 | 0.00 | 248.76|
| Vendor              | 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 |
| Worker              | 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 |
| Total               | 0.16 | 1.54 | 0.00 | 0.00 | 3.55         | 0.07         | 3.62       | 0.07         | 0.07         | 0.08       | 0.00    | 248.61  | 248.61  | 0.01 | 0.00 | 248.76|

### 3.4 Grading Haul 2 (Site) - 2014

### Unmitigated Construction On-Site

| Category            | ROG | NOx | CO  | SO2 | Fugitive Dust | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4  | N2O | CO2e |
|---------------------|-----|-----|-----|-----|---------------|---------------|------------|---------------|---------------|------------|-----------|----------|---------|----------|--------|-----|-----|
|                     | tons/yr | MT/yr | tons/yr | MT/yr | tons/yr | MT/yr | tons/yr | MT/yr | tons/yr | MT/yr | tons/yr | MT/yr | tons/yr | MT/yr | tons/yr | MT/yr |
| Fugitive Dust       | 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 |
| Off-Road            | 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 |
| Total               | 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 |
### Unmitigated Construction Off-Site

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6 of 6
### LST Construction Emissions Worksheet

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#### Grading + Grading Haul 1 2014

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#### District 29 Water Main Installation 2014

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#### Paving (Homepads) 2014

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#### Trenching (Site) 2014

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**Note:** Includes the correction for Haul (on-road) PM10 Fugitive dust for which CalEEMod incorrectly calculates emissions over the entire duration emitted on one day.
### Operation Emissions Worksheet

#### Proposed Project

#### Summer

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<th>Fugitive PM2.5</th>
<th>Exhaust PM2.5</th>
<th>PM2.5 Total</th>
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#### Winter

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<th>Exhaust PM2.5</th>
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#### Max Daily

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<td>37.63</td>
<td>0.08</td>
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Operation
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

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1.2 Other Project Characteristics

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<td>Southern California Edison</td>
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1.3 User Entered Comments

- Project Characteristics:
  - Land Use - Based on project description
  - Vehicle Trips - Based on traffic study.
  - Vehicle Emission Factors - Adjusted for proposed project.
  - Vehicle Emission Factors - Adjusted for proposed project.
  - Vehicle Emission Factors - Adjusted for proposed project.
  - Woodstoves - 100 percent gas fireplaces.
  - Water And Wastewater - Based on project. Residential homes would utilize septic tank system to treat wastewater.
  - Construction Off-road Equipment Mitigation -
  - Water Mitigation -
2.0 Emissions Summary

2.2 Overall Operational

### Unmitigated Operational

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<th>Exhaust PM10</th>
<th>PM10 Total</th>
<th>ROG</th>
<th>Fugitive PM2.5</th>
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### Mitigated Operational

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<th>Exhaust PM10</th>
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<th>ROG</th>
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<th>Exhaust PM2.5</th>
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4.0 Mobile Detail

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<th>Exhaust PM10</th>
<th>PM10 Total</th>
<th>ROG</th>
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<th>Exhaust PM2.5</th>
<th>PM2.5 Total</th>
<th>Bio- CO2</th>
<th>NBio- CO2</th>
<th>Total CO2</th>
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<th>Exhaust PM10</th>
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<th>Fugitive PM2.5</th>
<th>Exhaust PM2.5</th>
<th>PM2.5 Total</th>
<th>Bio-CO2</th>
<th>Nitro-CO2</th>
<th>Total CO2</th>
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#### 5.2 Energy by Land Use - NaturalGas

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### 6.0 Area Detail

#### 6.1 Mitigation Measures Area

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<th>Fugitive PM10</th>
<th>Exhaust PM10</th>
<th>Bio- CO2</th>
<th>Total CO2</th>
<th>NBio- CO2</th>
<th>Total CO2</th>
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#### 6.2 Area by SubCategory

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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

9.0 Vegetation
Operation
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

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1.2 Other Project Characteristics

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1.3 User Entered Comments

- Project Characteristics -
- Land Use - Based on project description
- Vehicle Trips - Based on traffic study.
- Vehicle Emission Factors - Adjusted for proposed project.
- Vehicle Emission Factors - Adjusted for proposed project.
- Vehicle Emission Factors - Adjusted for proposed project.
- Woodstoves - 100 percent gas fireplaces.
- Water And Wastewater - Based on project. Residential homes would utilize septic tank system to treat wastewater.
- Construction Off-road Equipment Mitigation -
- Water Mitigation -
## 2.0 Emissions Summary

### 2.2 Overall Operational

#### Unmitigated Operational

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#### 5.1 Mitigation Measures Energy

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### 6.0 Area Detail

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#### Mitigated

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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

9.0 Vegetation
1.0 Project Characteristics

1.1 Land Usage

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1.2 Other Project Characteristics

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1.3 User Entered Comments

- Project Characteristics -
- Land Use - Based on project description
- Vehicle Trips - Based on traffic study.
- Vehicle Emission Factors - Adjusted for proposed project.
- Vehicle Emission Factors - Adjusted for proposed project.
- Vehicle Emission Factors - Adjusted for proposed project.
- Woodstoves - 100 percent gas fireplaces.
- Water And Wastewater - Based on project. Residential homes would utilize septic tank system to treat wastewater.
- Construction Off-road Equipment Mitigation -
- Water Mitigation -
# 2.0 Emissions Summary

## 2.1 Overall Construction

## 2.2 Overall Operational

### Unmitigated Operational

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<tr>
<th>Category</th>
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<th>SO2</th>
<th>Fugitive PM10</th>
<th>Exhaust PM10</th>
<th>PM10 Total</th>
<th>Fugitive PM2.5</th>
<th>Exhaust PM2.5</th>
<th>PM2.5 Total</th>
<th>Bio-CO2</th>
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<th>Total CO2</th>
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### 4.0 Mobile Detail

#### 4.1 Mitigation Measures Mobile

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#### 4.2 Trip Summary Information

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#### 4.3 Trip Type Information

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3 of 9
## 5.0 Energy Detail

### 5.1 Mitigation Measures Energy

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<th>PM2.5 Total</th>
<th>Bio- CO2</th>
<th>NBio- CO2</th>
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### 5.2 Energy by Land Use - NaturalGas

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**Unmitigated**

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### 6.0 Area Detail

#### 6.1 Mitigation Measures Area

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<th>SO2</th>
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<th>Exhaust PM2.5</th>
<th>Total PM2.5</th>
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<th>NBio-CO2</th>
<th>Total CO2</th>
<th>CH4</th>
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</thead>
<tbody>
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| Total | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

#### 6.2 Area by SubCategory

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<th>CH4</th>
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**Mitigated**

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<th>NBio-CO2</th>
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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

<table>
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7.2 Water by Land Use

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#### 8.0 Waste Detail

#### 8.1 Mitigation Measures Waste

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#### 8.2 Waste by Land Use

**Unmitigated**

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<th>Waste Disposed</th>
<th>Indoor/Outdoor Use</th>
<th>ROG</th>
<th>NOx</th>
<th>CO</th>
<th>SO2</th>
<th>Total CO2</th>
<th>CH4</th>
<th>N2O</th>
<th>CO2e</th>
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<tbody>
<tr>
<td>City Park</td>
<td>0.15</td>
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<tr>
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<td>0.00</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Single Family Housing</td>
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<td>0.04</td>
<td>0.00</td>
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<td>1.65</td>
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<td></td>
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<tr>
<td><strong>Total</strong></td>
<td>3.77</td>
<td></td>
<td>0.74</td>
<td>0.04</td>
<td>0.00</td>
<td>2.00</td>
<td>1.73</td>
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### Mitigated

<table>
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<th>ROG</th>
<th>NOx</th>
<th>CO</th>
<th>SO2</th>
<th>Total CO2</th>
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<th>CO2e</th>
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<td></td>
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<td>tons</td>
<td>tons/yr</td>
<td>tons/yr</td>
<td>M/yr</td>
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<tr>
<td>Single Family Housing</td>
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<td>0.74</td>
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<tr>
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<td><strong>0.77</strong></td>
<td><strong>0.04</strong></td>
<td>0.00</td>
<td>1.73</td>
<td>1.73</td>
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</table>

9.0 Vegetation
**GHG Summary: Crummer Site Subdivision**

<table>
<thead>
<tr>
<th>Source</th>
<th>Buildout MTons/Year</th>
<th>Percent of Project Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area</td>
<td>4</td>
<td>0.7%</td>
</tr>
<tr>
<td>Energy</td>
<td>21</td>
<td>3.9%</td>
</tr>
<tr>
<td>Mobile</td>
<td>443</td>
<td>84.0%</td>
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<tr>
<td>Waste</td>
<td>2</td>
<td>0.3%</td>
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<tr>
<td>Water</td>
<td>19</td>
<td>3.6%</td>
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<tr>
<td>Amortized Construction Emissions*</td>
<td>39</td>
<td>7.4%</td>
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<tr>
<td><strong>Total All Sectors</strong></td>
<td>528</td>
<td><strong>100%</strong></td>
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</table>

*Total construction emissions are amortized over 30 years.
CalEEMod Land Use Inputs - Buildout

<table>
<thead>
<tr>
<th>Type</th>
<th>LandUseUnitAmount</th>
<th>LandUseSizeM</th>
<th>LotAcreage</th>
<th>LandUseSquareFeet</th>
<th>Population</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Family</td>
<td>5</td>
<td>DU</td>
<td>18.80</td>
<td>55,341</td>
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<tr>
<td>Parking (Surface)</td>
<td>3.33</td>
<td>acre</td>
<td>3.33</td>
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</tr>
<tr>
<td>Recreational (City Park)</td>
<td>1.74</td>
<td>acre</td>
<td>1.74</td>
<td>861</td>
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</tr>
</tbody>
</table>

Project Location: Los Angeles County - South Coast
Climate Zone: 8
Operation Year: 2017
Land Use Setting: Urban
Utility Company: SCE
Source Area Receptor: 2

Trip Generation: Worst case trip generation for air quality based on the site with a baseball field.

Weekday
5 Dwelling Units Trips: 48 Average Daily Trips (ADT)
Trip Rate: 9.57 trips/DU
Recreation (Baseball Field) Trips: 120 ADT
Trip Rate: 60 trips/game
68.97 trips/acre

Weekend
5 Dwelling Units Trips: 50 Average Daily Trips (ADT)
Trip Rate: 10.08 trips/DU
Recreation (Baseball Field) Trips: 920 ADT
Trip Rate: 92 trips/game
528.74 trips/acre

Water Use
5 Single-Family Dwelling

<table>
<thead>
<tr>
<th>Units (gals/yr)</th>
<th>Recreation Area</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indoor 999,277.73</td>
<td>-</td>
<td>999,278</td>
</tr>
<tr>
<td>Outdoor 629,979.43</td>
<td>3,258,514.32</td>
<td>3,888,493.75</td>
</tr>
<tr>
<td>Total 1,629,257.16</td>
<td>3,258,514.32</td>
<td>4,887,771.48</td>
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</tbody>
</table>

Solid Waste
5 Single-Family Dwelling

<table>
<thead>
<tr>
<th>Units (tons)</th>
<th>Recreation (tons)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.65</td>
<td>15 (Default)</td>
</tr>
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</table>

Area Sources:
no woodstoves; 100% gas fireplaces (Rule 445: Woodburning Devices)

Building Square Footage

<table>
<thead>
<tr>
<th>Lot</th>
<th>Building SF</th>
<th>Lot Size (SF)</th>
<th>Lot Size (AC)</th>
<th>Parcel Street Easement (SF)</th>
<th>Parcel Street Easement (AC)</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>11,082</td>
<td>168,009</td>
<td>3.86</td>
<td>4,463</td>
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<tr>
<td>2</td>
<td>11,069</td>
<td>146,916</td>
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<td>503</td>
<td>0.01</td>
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<tr>
<td>3</td>
<td>11,009</td>
<td>113,678</td>
<td>2.61</td>
<td>2,292</td>
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<tr>
<td>4</td>
<td>11,158</td>
<td>150,818</td>
<td>3.46</td>
<td>10,582</td>
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<tr>
<td>5</td>
<td>11,023</td>
<td>259,132</td>
<td>5.95</td>
<td>1,972</td>
<td>0.05</td>
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<tr>
<td>6</td>
<td>245</td>
<td>125,733</td>
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<tr>
<td>7</td>
<td>616</td>
<td>75,640</td>
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<td>0</td>
<td>0.00</td>
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<tr>
<td></td>
<td>56,202</td>
<td>1,039,926</td>
<td>23.87</td>
<td>19,812</td>
<td>0.45</td>
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</table>
**CalEEMod Construction Run Land Use Inputs - Buildout**

*Worst case grading/construction based on the site with a skate park.*

<table>
<thead>
<tr>
<th>Type</th>
<th>LandUseUnitAmount</th>
<th>LandUseSizeMetric</th>
<th>LotAcreage</th>
<th>LandUseSquareFeet</th>
<th>Population</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Family (Lots 1&amp;2)</td>
<td>2</td>
<td>DU</td>
<td>7.12</td>
<td>22,151</td>
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</tr>
<tr>
<td>Single Family (Lots 3&amp;4)</td>
<td>2</td>
<td>DU</td>
<td>5.77</td>
<td>22,167</td>
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</tr>
<tr>
<td>Single Family (Lot 5)</td>
<td>1</td>
<td>DU</td>
<td>5.90</td>
<td>11,023</td>
<td></td>
</tr>
<tr>
<td>Parking (Surface)</td>
<td>3.33</td>
<td>acre</td>
<td>3.33</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Recreational (City Park)</td>
<td>1.74</td>
<td>acre</td>
<td>1.74</td>
<td>861</td>
<td></td>
</tr>
</tbody>
</table>

Project Location: Los Angeles County - South Coast

Climate Zone: 8

Operation Year: 

Land Use Setting: Urban

Utility Company: SCE

Source Area Receptor: 2

**Demolition**

Building: 650 tons

**Soil Haul**

<table>
<thead>
<tr>
<th>Amount of Soil (cy)</th>
<th>Lot 1</th>
<th>Lot 2</th>
<th>Lot 3</th>
<th>Lot 4</th>
<th>Lot 5</th>
<th>Lot 6</th>
<th>Lot 7</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Import Volume:</td>
<td>1,573</td>
<td>2,089</td>
<td>1,754</td>
<td>2,413</td>
<td>1,737</td>
<td>1,408</td>
<td>684</td>
<td>11,658</td>
</tr>
<tr>
<td>Export Volume:</td>
<td>3,497</td>
<td>3,947</td>
<td>2,934</td>
<td>2,552</td>
<td>3,701</td>
<td>3,271</td>
<td>4,609</td>
<td>24,511</td>
</tr>
</tbody>
</table>

**Total Haul Round Trips (16 cy haul truck)**

| Import Round Trips: | 98   | 131   | 110   | 151   | 109   | 88    | 43    | 729    |
| Export Round Trips: | 219  | 247   | 183   | 160   | 231   | 204   | 288   | 1,532  |

**Total Haul Trip Ends**

| Import Trip Ends:   | 197  | 261   | 219   | 302   | 217   | 176   | 86    | 1,457  |
| Export Trip Ends:   | 437  | 493   | 367   | 319   | 463   | 409   | 576   | 3,064  |

1-Way Trip Distance: 30 miles
### Construction Phasing - Site w/Skate Park

5-Day Work Week

<table>
<thead>
<tr>
<th>Phase Name*</th>
<th>Start Date**</th>
<th>End Date**</th>
<th>CalEEMod Days*</th>
<th>Duration (Mos)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grading (Site)</td>
<td>3/3/2014</td>
<td>4/18/2014</td>
<td>35</td>
<td>1.6</td>
</tr>
<tr>
<td>Grading Haul 1 (Site)</td>
<td>3/3/2014</td>
<td>4/17/2014</td>
<td>34</td>
<td>1.5</td>
</tr>
<tr>
<td>Grading Haul 2 (Site)</td>
<td>4/18/2014</td>
<td>4/18/2014</td>
<td>1</td>
<td>0.0</td>
</tr>
<tr>
<td>Water Main Installation</td>
<td>3/3/2014</td>
<td>5/1/2014</td>
<td>44</td>
<td>2.0</td>
</tr>
<tr>
<td>Water Main Haul</td>
<td>3/3/2014</td>
<td>3/28/2014</td>
<td>20</td>
<td>0.9</td>
</tr>
<tr>
<td>Paving (home pads)</td>
<td>4/21/2014</td>
<td>5/9/2014</td>
<td>15</td>
<td>0.7</td>
</tr>
<tr>
<td>Trenching (Road Hogging)</td>
<td>5/12/2014</td>
<td>5/19/2014</td>
<td>6</td>
<td>0.3</td>
</tr>
<tr>
<td>Paving (Road base)</td>
<td>5/20/2014</td>
<td>5/28/2014</td>
<td>7</td>
<td>0.3</td>
</tr>
<tr>
<td>Paving (Road)</td>
<td>5/29/2014</td>
<td>6/10/2014</td>
<td>9</td>
<td>0.4</td>
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<tr>
<td>Paving (road)</td>
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<td>7/14/2014</td>
<td>24</td>
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<tr>
<td>Trenching (site)</td>
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<td>8/12/2014</td>
<td>21</td>
<td>1.0</td>
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<tr>
<td>Backfill/Fine Grading</td>
<td>8/13/2014</td>
<td>8/27/2014</td>
<td>11</td>
<td>0.5</td>
</tr>
<tr>
<td>Pilings</td>
<td>8/18/2014</td>
<td>10/6/2014</td>
<td>36</td>
<td>1.6</td>
</tr>
<tr>
<td>Skate Park</td>
<td>10/7/2014</td>
<td>2/9/2015</td>
<td>90</td>
<td>4.1</td>
</tr>
<tr>
<td>Demo Maintenance Shed</td>
<td>10/13/2014</td>
<td>10/17/2014</td>
<td>5</td>
<td>0.2</td>
</tr>
<tr>
<td>Building Lots 1&amp;2</td>
<td>10/20/2014</td>
<td>4/3/2015</td>
<td>120</td>
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</tr>
<tr>
<td>Building Lots 3&amp;4</td>
<td>2/20/2015</td>
<td>8/6/2015</td>
<td>120</td>
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</tr>
<tr>
<td>Building Lot 5</td>
<td>6/25/2015</td>
<td>12/9/2015</td>
<td>120</td>
<td>5.5</td>
</tr>
<tr>
<td>Finish Homes L1&amp;2</td>
<td>4/6/2015</td>
<td>5/27/2016</td>
<td>300</td>
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<td>8/7/2015</td>
<td>9/29/2016</td>
<td>300</td>
<td>13.6</td>
</tr>
<tr>
<td>Finish Homes L5</td>
<td>12/10/2015</td>
<td>2/1/2017</td>
<td>300</td>
<td>13.6</td>
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<tr>
<td>Architectural Coating L5</td>
<td>9/16/2016</td>
<td>2/1/2017</td>
<td>99</td>
<td>4.5</td>
</tr>
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<td>2/2/2017</td>
<td>3/31/2017</td>
<td>42</td>
<td>1.9</td>
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<td>6/23/2015</td>
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</tbody>
</table>

*Based on information provided by applicant.

**General start and completion dates provided in project description.
### Construction Phasing - Mitigated

5-Day Work Week

<table>
<thead>
<tr>
<th>Phase Name*</th>
<th>Start Date**</th>
<th>End Date**</th>
<th>CalEEMod Days*</th>
<th>Duration (Mos)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grading (Site)</td>
<td>3/3/2014</td>
<td>4/18/2014</td>
<td>35</td>
<td>1.6</td>
</tr>
<tr>
<td>Grading Haul 1 (Site)</td>
<td>3/3/2014</td>
<td>5/20/2014</td>
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<td>5/21/2014</td>
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<td>0.1</td>
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<tr>
<td>Water Main Installation</td>
<td>3/3/2014</td>
<td>5/1/2014</td>
<td>44</td>
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<tr>
<td>Backfill/Fine Grading</td>
<td>8/13/2014</td>
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<td>5</td>
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</tr>
<tr>
<td>Building Lots 1&amp;2</td>
<td>10/20/2014</td>
<td>4/3/2015</td>
<td>120</td>
<td>5.5</td>
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<tr>
<td>Building Lots 3&amp;4</td>
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<td>8/6/2015</td>
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</tr>
<tr>
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<td>120</td>
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<tr>
<td>Finish Homes L1&amp;2</td>
<td>4/6/2015</td>
<td>5/27/2016</td>
<td>300</td>
<td>14</td>
</tr>
<tr>
<td>Finish Homes L3&amp;4</td>
<td>8/7/2015</td>
<td>9/29/2016</td>
<td>300</td>
<td>13.6</td>
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<tr>
<td>Finish Homes L5</td>
<td>12/10/2015</td>
<td>2/1/2017</td>
<td>300</td>
<td>13.6</td>
</tr>
<tr>
<td>Architectural Coating L5</td>
<td>9/16/2016</td>
<td>2/1/2017</td>
<td>99</td>
<td>4.5</td>
</tr>
<tr>
<td>Finish Common Area</td>
<td>2/2/2017</td>
<td>3/31/2017</td>
<td>42</td>
<td>1.9</td>
</tr>
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*Based on information provided by applicant.

**General start and completion dates provided in project description.
## Construction Equipment Mix

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### Detailed Analysis

#### Fine Grading (Backfill)
- **Backhoe**
  - 1 unit: 4, 98, 0.37
  - Default: 3, 12
- **Skidsteer Loader**
  - 2 units: 4, 65, 0.37
  - Default: 8, 64
- **Mixers (concrete trucks)**
  - 20 units: 6
  - Default: 40, 600
- **Pump**
  - 1 unit: 6, default, default
  - Default: 5, 30

#### Pileings
- **Crane**
  - 1 unit: 4.5, 226, 0.29
  - Default: 35, 157.5
- **Drill**
  - 1 unit: 4.5, 206, 0.5
  - Default: 35, 157.5
- **Loader**
  - 1 unit: 4, 98, 0.37
  - Default: 35, 140

#### Skate Park
- **Backhoe Loader (CAT 450E)**
  - 1 unit: 1.56, 137, 0.37
  - Default: 90, 140
- **Dump Truck (6 yard)**
  - 1 unit: 1.00
  - Default: 90, 90
- **Skidsteer Loader (Bobcat S205)**
  - 1 unit: 0.78, 66, 0.37
  - Default: 90, 70
- **Pump (concrete trailer pump 197 HF)**
  - 1 unit: 1.78, 197
  - Default: 90, 160
- **Mixer (concrete truck)**
  - 1 unit: 2.11
  - Default: 90, 190
- **Plate Compactor**
  - 1 unit: 1.33
  - Default: 90, 120
- **Roller (vibratory soil compactor CAT)**
  - 1 unit: 0.67, 100, 0.38
  - Default: 90, 60
- **Generators**
  - 1 unit: 3.56
  - Default: 90, 320

#### Demolition (Maintenance Shed)
- **Backhoe**
  - 1 unit: 6, 98, 0.37
  - Default: 5, 30
- **Haulers**
  - 5 units: 6
  - Default: 1, 30

#### Building Shells Lots 1&2
- **Concrete Truck (use dump truck?)**
  - 2 units: 5
  - Default: 4, 40
- **Backhoe**
  - 2 units: 4, 98, 0.37
  - Default: 3, 24
- **Skidsteer Loader**
  - 1 unit: 4, 65, 0.37
  - Default: 3, 12
- **Pool backhoe**
  - 1 unit: 6, 98, 0.37
  - Default: 2, 12
- **Gunite truck (mixer)**
  - 1 unit: 6, default, default
  - Default: 2, 12
- **Generators**
  - 2 units: 8, default, default
  - Default: 20, 320

#### Building Shells Lots 3&4
- **Concrete Truck (mixer)**
  - 2 units: 5, default, default
  - Default: 4, 40
- **Backhoe**
  - 2 units: 4, 98, 0.37
  - Default: 3, 24
- **Skidsteer Loader**
  - 1 unit: 4, 65, 0.37
  - Default: 3, 12
- **Pool backhoe**
  - 1 unit: 6, 98, 0.37
  - Default: 2, 12
- **Gunnite Truck (mixer)**
  - 1 unit: 6, default, default
  - Default: 2, 12
- **Generators**
  - 2 units: 8, default, default
  - Default: 10, 160

#### Building Shells Lot 5
- **Concrete Truck (mixer)**
  - 2 units: 5, default, default
  - Default: 4, 40
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<td>0.020000</td>
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Changes to the CalEEMod Defaults - Fleet Mix
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<th>Percent Change</th>
<th>OFFROAD2011 Adj ARB HP</th>
<th>COMPARE TO CalEEMod Default HP</th>
<th>Max-Average HP Used in CalEEMod Run</th>
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Source: OFFROAD2011 and CalEEMod
## Solid Waste Calculation

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## Water Use Calculation

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<th>Gal/Acre-Foot</th>
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<td>1,629,257.16</td>
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Construction Localized Significance Thresholds - Existing Baseball Field

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<th>Source Receptor Distance (Feet)</th>
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<th>Southwest Coastal LA County</th>
<th>Equipment</th>
<th>Acres/8-hr Day</th>
<th>Equipment Used</th>
<th>Hours of Operation</th>
<th>Acres</th>
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Northwest Coastal LA County

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<td>3909</td>
<td>9793</td>
</tr>
<tr>
<td>PM10</td>
<td>4</td>
<td>11</td>
<td>33</td>
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<td>77</td>
<td>167</td>
</tr>
<tr>
<td></td>
<td>4</td>
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<td>33</td>
<td>48</td>
<td>77</td>
<td>167</td>
</tr>
<tr>
<td>PM2.5</td>
<td>4</td>
<td>5</td>
<td>7</td>
<td>13</td>
<td>26</td>
<td>91</td>
</tr>
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<td></td>
<td>4</td>
<td>5</td>
<td>7</td>
<td>13</td>
<td>26</td>
<td>91</td>
</tr>
</tbody>
</table>

Acre Below

<table>
<thead>
<tr>
<th>SRA No.</th>
<th>Acres</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
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</tr>
</tbody>
</table>

Distance Increment Below

| 25 |

Acre Above

<table>
<thead>
<tr>
<th>SRA No.</th>
<th>Acres</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>4</td>
</tr>
</tbody>
</table>

Distance Increment Above

| 25 |

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction LSTs are based on the distance of grading activities to the nearest residential building. While the recreational uses to the west are considered sensitive receptors, these uses would primarily be occupied outside the hours when construction activities occur (e.g., weekday evenings and weekends). Furthermore, recreational receptors would be onsite for a short duration; and according to SCAQMD’s LST methodology, criteria air pollutants with 24-hour averaging standard (PM10 and PM2.5, which are the main LSTs of concern) are not applicable.
## Construction Localized Significance Thresholds - Residence

<table>
<thead>
<tr>
<th>SRA No.</th>
<th>Acres</th>
<th>Source Receptor Distance (meters)</th>
<th>Source Receptor Distance (Feet)</th>
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</thead>
<tbody>
<tr>
<td>2</td>
<td>4.00</td>
<td>43</td>
<td>140</td>
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</table>

<table>
<thead>
<tr>
<th>Source Receptor</th>
<th>Northwest Coastal LA County</th>
<th>Equipment</th>
<th>Acres/8-hr Day</th>
<th>Equipment Used</th>
<th>Hours of Operation</th>
<th>Acres</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Tractors</td>
<td>0.5</td>
<td>5</td>
<td>8</td>
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<td></td>
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<td>Graders</td>
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<tr>
<td></td>
<td></td>
<td>Dozers</td>
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<td>3</td>
<td>8</td>
<td>1.5</td>
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<td>Scrapers</td>
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</table>

<table>
<thead>
<tr>
<th></th>
<th>Acres</th>
</tr>
</thead>
<tbody>
<tr>
<td>PM10</td>
<td>26.45</td>
</tr>
<tr>
<td>PM2.5</td>
<td>6.51</td>
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</table>

### Northwest Coastal LA County

#### 4.00 Acres

<table>
<thead>
<tr>
<th></th>
<th>25</th>
<th>50</th>
<th>100</th>
<th>200</th>
<th>500</th>
</tr>
</thead>
<tbody>
<tr>
<td>NOx</td>
<td>196</td>
<td>189</td>
<td>203</td>
<td>229</td>
<td>295</td>
</tr>
<tr>
<td>CO</td>
<td>1296</td>
<td>1728</td>
<td>2406</td>
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<th>100</th>
<th>200</th>
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</tr>
</thead>
<tbody>
<tr>
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</tr>
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### Updated: 10/21/2009 - Table C-1. 2006 – 2008

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NOTE:
To print data frame (right side), click on right frame before printing.

1981 - 2010

- Daily Temp. & Precip,
- Daily Tabular data (~23 KB)
- Monthly Tabular data (~1 KB)
- NCDC 1981-2010 Normals (~3 KB)

1971 - 2000

- Daily Temp. & Precip,
- Daily Tabular data (~23 KB)
- Monthly Tabular data (~1 KB)
- NCDC 1971-2000 Normals (~3 KB)

1961 - 1990

- Daily Temp. & Precip,
- Daily Tabular data (~23 KB)
- Monthly Tabular data (~1 KB)
- NCDC 1961-1990 Normals (~3 KB)

Period of Record

- Station Metadata
- Station Metadata Graphics

General Climate Summary Tables

- Temperature
- Precipitation
- Heating Degree Days
- Cooling Degree Days
- Growing Degree Days

Temperature

- Daily Extremes and Averages
- Spring 'Freeze' Probabilities
- Fall 'Freeze' Probabilities
- 'Freeze Free' Probabilities
- Monthly Temperature Listings
  - Average
  - Average Maximum
  - Average Minimum
Extreme Maximum(*)
Extrem Minimum(*)

Precipitation
- Monthly Average
- Daily Extreme and Average
- Daily Average
- Precipitation Probability by Duration.
- Precipitation Probability by Quantity.
  o Monthly Precipitation Listings
    Monthly Totals
    Daily Extreme(*)

Snowfall
- Daily Extreme and Average
- Daily Average
  o Monthly Snowfall Listings
    Monthly Totals

Snowdepth
- Daily Extreme and Average
- Daily Average

Heating Degree Days
- Daily Average
  o Monthly HDD Listings
    Monthly Totals(*)

Cooling Degree Days
- Daily Average
  o Monthly CDD Listings
    Monthly Totals(*)

Growing Degree Days
  o Monthly GDD Listings
    Monthly Total Base 40 (*)
    Monthly Total Base 50 (*)

Period of Record Data Tables
- Daily Summary Stats (~55 KB)
- Monthly Tabular data (~2 KB)

Daily Data
  Graph and Lister (*)
  Lister (*)

Monthly Data
  Custom Monthly Listing (*)

Western Regional Climate Center,
wrrc@dri.edu
**SANTA MONICA PIER, CALIFORNIA (047953)**

**Period of Record Monthly Climate Summary**

**Period of Record : 1/1/1937 to 9/30/2012**

<table>
<thead>
<tr>
<th></th>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>Jun</th>
<th>Jul</th>
<th>Aug</th>
<th>Sep</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
<th>Annual</th>
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</thead>
<tbody>
<tr>
<td>Average Max. Temperature (F)</td>
<td>64.1</td>
<td>63.7</td>
<td>63.4</td>
<td>64.5</td>
<td>65.4</td>
<td>68.1</td>
<td>71.0</td>
<td>72.1</td>
<td>72.1</td>
<td>70.4</td>
<td>68.0</td>
<td>64.8</td>
<td>67.3</td>
</tr>
<tr>
<td>Average Min. Temperature (F)</td>
<td>49.2</td>
<td>49.9</td>
<td>50.9</td>
<td>52.9</td>
<td>55.6</td>
<td>58.4</td>
<td>61.2</td>
<td>62.2</td>
<td>61.4</td>
<td>58.2</td>
<td>53.6</td>
<td>49.7</td>
<td>55.3</td>
</tr>
<tr>
<td>Average Total Precipitation (in.)</td>
<td>2.69</td>
<td>3.01</td>
<td>2.03</td>
<td>0.73</td>
<td>0.17</td>
<td>0.02</td>
<td>0.08</td>
<td>0.15</td>
<td>0.33</td>
<td>1.36</td>
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</tr>
<tr>
<td>Average Total SnowFall (in.)</td>
<td>0.0</td>
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<td>0.0</td>
<td>0.0</td>
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<td>0.0</td>
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<td>0.0</td>
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<tr>
<td>Average Snow Depth (in.)</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
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<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
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</tr>
</tbody>
</table>

Percent of possible observations for period of record.
Max. Temp.: 93.1% Min. Temp.: 93.1% Precipitation: 94.3% Snowfall: 94.6% Snow Depth: 94.3%
Check [Station Metadata](http://www.wrcc.dri.edu/cgi-bin/cliRECtM.pl?ca7953) or [Metadata graphics](http://www.wrcc.dri.edu/cgi-bin/cliRECtM.pl?ca7953) for more detail about data completeness.

*Western Regional Climate Center, wrcc@dri.edu*