### Key Successes

**34% drop**
In Southern California
In unhealthy ozone days since 2000

**90% drop**
In Southern California
In unhealthy particle days since 2004

*Passenger vehicle and diesel emission controls, along with wood burning restrictions, have driven the improvements.*

### Healthy Air Goals

**Cut pollution by more than 80%**

- Zero emission vehicles and fuels, including sustainable freight.
- Climate and clean air investments via the Greenhouse Gas Reduction Fund.
- Tighter controls on stationary sources of pollution, especially at refineries and oil and gas production.
- Increase controls on wood burning and promote cleanest heating options.
- Reduce climate pollutants, including methane and black carbon.
- Healthier community planning focused on walking, biking, transit and zero-emission transportation alternatives.

### Regional Grades and Unhealthy Air Days

<table>
<thead>
<tr>
<th>County</th>
<th>Ozone Days</th>
<th>Ozone Grade</th>
<th>PM Days</th>
<th>PM Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Los Angeles</td>
<td>109.2</td>
<td>F</td>
<td>8.0</td>
<td>F</td>
</tr>
<tr>
<td>Orange</td>
<td>8.7</td>
<td>F</td>
<td>3.8</td>
<td>F</td>
</tr>
<tr>
<td>Riverside</td>
<td>140.3</td>
<td>F</td>
<td>11.2</td>
<td>F</td>
</tr>
<tr>
<td>San Bernardino</td>
<td>152.5</td>
<td>F</td>
<td>3.3</td>
<td>F</td>
</tr>
<tr>
<td>Ventura</td>
<td>19.0</td>
<td>F</td>
<td>0.3</td>
<td>B</td>
</tr>
</tbody>
</table>

*Number of Days reported equals the weighted annual average of unhealthy ozone or particle days recorded over the three-year period of 2012-2014. An annual average of 3.3 or more unhealthy days earns an “F” grade.*

### Rank Among All U.S. Cities for Unhealthy Air Days

<table>
<thead>
<tr>
<th>Ranking</th>
<th>Ozone Grade</th>
<th>Particulates Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Los Angeles-Long Beach</td>
<td>1&lt;sup&gt;st&lt;/sup&gt;</td>
<td>9&lt;sup&gt;th&lt;/sup&gt;</td>
</tr>
</tbody>
</table>
Who is at Risk in Southern California

Children under 18: 4,400,000  
Adults over 65: 2,300,000  
Pediatric Asthma: 390,000  
Adult Asthma: 1,100,000  
COPD: 670,000  
Heart Disease: 980,000  
Diabetes: 1,400,000  
Poverty: 3,200,000

Key Air Quality Trends

Southern California Unhealthy Ozone Days
State of the Air 2000 - 2016

Southern California Unhealthy Particle Days
State of the Air 2004 - 2016

Southern California Pollution Sources
- Nearly 90 percent of pollution in the region comes from mobile sources, including on- and off-road diesel fueled vehicles, cars, trucks, buses and locomotives, ships and aircraft contribute.
- Ports and goods movement (contributes to regional pollution and generates significant hot spots of pollution near the Ports of Los Angeles and Long Beach).
- Stationary sources including oil refineries and power plants are a major local source.
- Area sources including smoke from residential wood burning.

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