Short Lived Climate Pollutant Reduction Strategy
Short-Lived Climate Pollutants

- Methane, black carbon, hydrofluorocarbons (HFCs)
- Lifetimes of a few days to a few decades
- GWP can be tens to thousands of times greater than CO₂
- Account for about 40% of current global warming
- Strong, immediate action to cut emissions of both CO₂ and SLCPs is critical for mitigating climate change
Development of a SLCP Strategy

- Recommended action in the 2014 Scoping Plan Update
- Required by Senate Bill 605
- One of Governor’s five pillars to meet 2030 GHG emissions goal of 40 percent below 1990 levels
- Concept Paper released in May 2015
- Draft Strategy released in September 2015
### Proposed Target Emission Levels (MMTCO₂e)

<table>
<thead>
<tr>
<th>Pollutant</th>
<th>Inventory</th>
<th>Forecast</th>
<th>Targets</th>
<th>% Reduction from 2013</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Black Carbon (non-forest)</strong></td>
<td>38</td>
<td>26</td>
<td>19</td>
<td>50%</td>
</tr>
<tr>
<td><strong>Methane</strong></td>
<td>118</td>
<td>117</td>
<td>71</td>
<td>40%</td>
</tr>
<tr>
<td><strong>HFCs</strong></td>
<td>40</td>
<td>65</td>
<td>24</td>
<td>40%</td>
</tr>
</tbody>
</table>
Black Carbon Emission Reductions

- Significant reductions in on-road emissions already achieved primarily from diesel regulations
- Further reductions in mobile sources expected from other planning activities
- Proposing working with air districts to determine methods to reduce residential wood combustion emissions
- Revising forest section recommended actions based on comments received. Main focus will be actions to reduce wildfire risk and associated black carbon emissions
Methane Emission Reductions

- Proposing measures to reduce dairy manure management emissions
- Identifying research needs to better understand enteric emissions and potential mitigation measures
- Proposing to effectively eliminate disposal of organics from landfills; 75 percent diversion by 2020 and 90 percent diversion by 2025
- Reductions in oil and gas sector from ARB’s oil and gas processing, production, and storage regulation, and CPUC’s rulemaking to minimize leaks from natural gas pipeline system
- Planning to address improved above ground and below ground monitoring of storage facilities
HFCs Emission Reductions

- International or national agreements best way to phase down the production and use of HFCs
- If no agreement in 2016, will evaluate the feasibility of a phasedown for California that aligns with similar efforts in other jurisdictions
- Also proposing financial incentives for early adoption of low-GWP refrigeration, prohibition on the sale of new refrigerants with very-high GWPs, and prohibition of high-GWP refrigerants in new stationary systems
<table>
<thead>
<tr>
<th>Timeline</th>
<th>Event</th>
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<tbody>
<tr>
<td>April 2016:</td>
<td>Release Proposed Strategy and draft EA</td>
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<tr>
<td>April 2016:</td>
<td>Hold Public Workshop to Discuss Proposed Strategy</td>
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<tr>
<td>May 2016:</td>
<td>Present Proposed Strategy to Board</td>
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<tr>
<td>Fall 2016:</td>
<td>Present final Strategy and responses to EA comments to Board for approval</td>
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<td>Summer 2016</td>
<td></td>
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