Today’s Agenda

• Overview
• Morning Sessions
  Opportunities and Obstacles
  • System-wide Efficiencies – Coastal Room
  • Economics, Funding, Jobs – Sierra Room
• Afternoon Sessions
  • Freight Technology Assessments – Coastal Room
  • Freight Transportation Planning – Sierra Room
• Discussion Table Tops
• Silent Group Brainstorming – all day
Freight Transport System

Modes:
- Sea ports
- Airports
- Rail yards & lines
- Distribution centers
- Warehouses
- High traffic roads
- Border crossings

Freight Impacts at Many Levels
- Localized health risk
- Regional air pollution
- Climate change
Progress in Reducing Freight Emissions in California (Tons/Day)

Freight is a Significant Contributor to California’s Air Pollution

Exhaust Emissions from All Freight Equipment as a Fraction of Statewide Emissions
Sustainable Freight Starts Here

- Improve air quality and public health
- Increase energy security
- Support logistics growth and new jobs
- Maintain ports’ competitiveness
- Improve transportation mobility

Related State Planning Efforts

- California Freight Mobility Plan
- California Transportation Plan
- State Implementation Plans
- AB 32 Scoping Plan
2014 Sustainable Freight Strategy Document

- Freight fundamentals and need for transformation
- Stakeholder concepts for sustainable freight
- Technology assessments
- Principles for freight transportation projects
- Actions needed over next 5 years
- Begin to identify potential operational efficiency and metrics
- Begin to develop principles for new freight facilities

Stakeholder Engagement is Critical
Stakeholder Engagement Overview

• Since January 23, 2014 Board meeting, stakeholders have engaged with ARB resulting in over 40 meetings and conference calls
• Ongoing participation in the California Freight Advisory Committee
• Continue focused engagement

Themes - Economics

• Understand the economics of the supply chain
• Regionality of freight impacts
  • Jobs
  • Technology
  • Community concerns
• Understand interaction of goals- environmental, economic and community
• Strong economy needed to support technology upgrades
• Funding to maintain the existing infrastructure
Themes - Infrastructure & Efficiency

- Passenger and freight interactions
- Land use considerations
- Opportunities for freight-only infrastructure
- Prioritize congestion relief
- Evaluate intelligent transportation systems, connected vehicles/facilities, and automation

Themes - Environment & Public Health

- Importance of community impacts from freight
  - Proximity to freight facilities
  - Pollution related health burdens
- Increase involvement in local projects
- Need for regulatory framework
- Need for education and active participation
Technology Assessments Underway

Air Quality Plans (SIPs)  AB 32 Scoping Plan  Freight Strategy

Technology Assessment
ARB, working with air districts

Sustainable Freight Strategy - 2014 Timeline

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<thead>
<tr>
<th>When</th>
<th>Focus of Work Effort</th>
<th>Stakeholder Forums</th>
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<tr>
<td>Spring</td>
<td>Stakeholder concepts, technology assessments, efficiency, criteria for transportation projects</td>
<td>Focus groups, community, stakeholder meetings and initial public forum</td>
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<tr>
<td>Summer</td>
<td>Draft assessments, initial efficiency metrics/options, draft criteria for transportation and freight facilities, outline of measures and actions</td>
<td>Focus groups, community and stakeholder meetings</td>
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<tr>
<td>Fall</td>
<td>Sustainable Freight Strategy draft document and stakeholder feedback</td>
<td>Public workshops, Board meeting</td>
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CALIFORNIA
SUSTAINABLE FREIGHT INITIATIVE

California Environmental Protection Agency
Air Resources Board

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