Freight Transport System

Modes:

Facilities:

- Seaports
- Airports
- Rail yards & lines
- Distribution centers
- Warehouses
- High traffic roads
- Border crossings
Freight is Important to California’s Economy

Jobs (millions)

- Southern California: 3.5
- San Joaquin Valley: 0.5
- San Francisco Bay Area: 1.5

California Environmental Protection Agency
Air Resources Board
Freight is a significant contributor to California’s air pollution.

Exhaust emissions from all freight equipment as a fraction of statewide emissions:

- Diesel Soot (PM/Black Carbon): 80%
- NOx: 50%
- Greenhouse Gases: 10%
Related State Planning Efforts

- Sustainable Freight Strategy
- Freight Mobility Plan
- Climate Change Scoping Plan
- Transportation Plan
- State Implementation Plans
Stakeholder Engagement is Critical
Sustainable Freight Strategy Document

- Sustainable Freight Initiative vision
- Freight fundamentals
- Stakeholder concepts
- Technology assessment findings
- Actions needed over next 5 years for ARB and other public and private entities
California Sustainable Freight System

Increases efficiency and uses of zero or near-zero emission equipment powered by renewable energy sources; improves mobility; provides reliable velocity and expanded system capacity; improves competitiveness of California’s logistics system and creates jobs; and supports clean air and healthy communities.
Concepts Categories

- Logistics and Infrastructure Efficiencies
- Engines and Equipment
- Energy and Fuel
- Other Emission Reduction Approaches
- Land-use
- Monetary Incentives
- Non-monetary Incentives
- Economy and Jobs
We Need Your Input

ARB staff is seeking input on:

• Definition for sustainable freight
• Our initial categorization of concepts, including which should move forward
• Additional discussion concepts that need to be included
• Sources of data to help analyze discussion concepts
Sustainable Freight Strategy
Tentative Milestones

2014
September: Public Workshops
Late October: Release draft technology assessments for freight-related sources
Late November: Release discussion draft of Strategy with concepts
December 11-12: Board Informational Update on discussion draft of Strategy

2015
Release draft document with preliminary staff recommendations
Hold public workshops
Release draft environmental analysis, economic analysis, and proposed Strategy
Board Hearing to consider proposed Strategy and final environmental analysis