

CALIFORNIA



SUSTAINABLE FREIGHT INITIATIVE

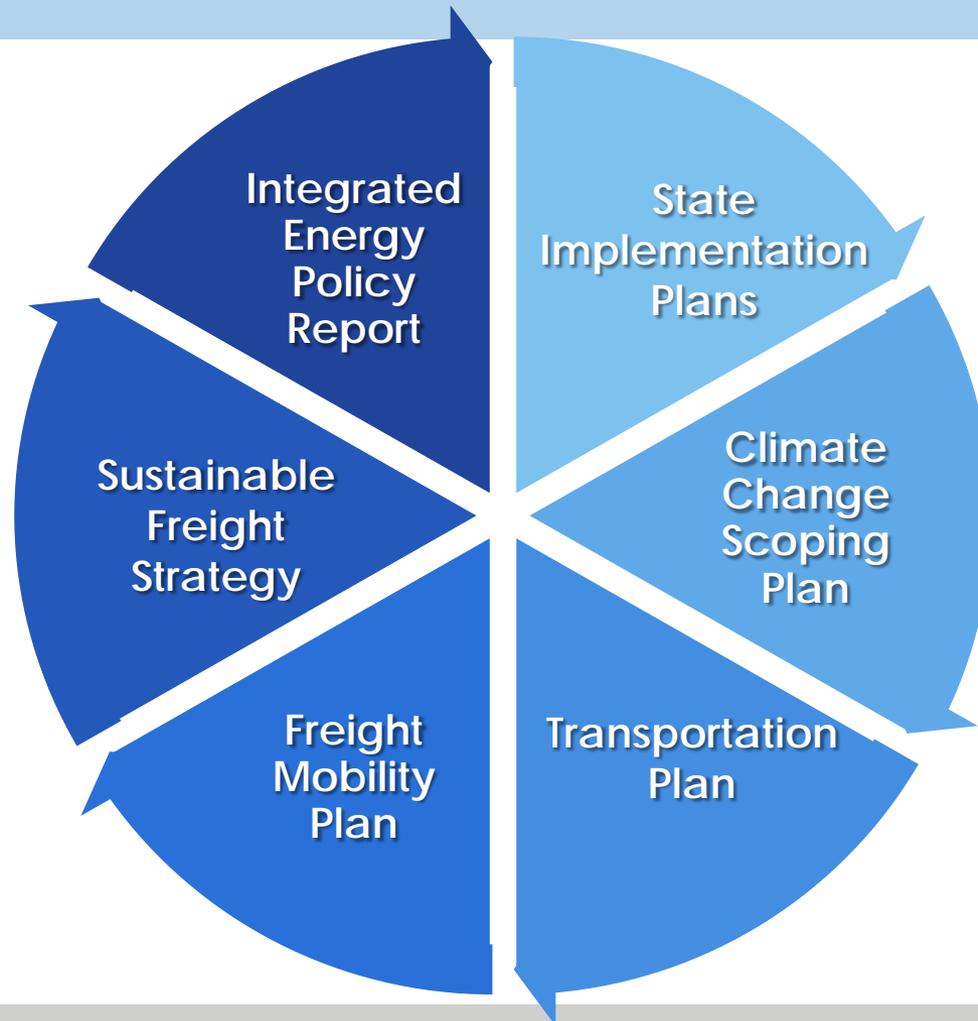


California Transportation Commission October, 8 2014

California Environmental Protection Agency

 **Air Resources Board**

Related State Planning Efforts



California's Contribution to National Freight Discussion

- California's Freight Vision
 - Environment
 - Economy
 - Equity
- California's Role in National Freight System
- California's Priorities

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

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

Stakeholder Engagement Process

- Initiated in January
- Wide variety of stakeholders
 - 150+ smaller focus groups, individual meetings, and calls
 - 200+ Organizations
- Generated many discussion concepts

Concept Sorting

Staff sorted concepts based on eight categories and an initial assessment of their potential for near-term development. Concepts are not staff recommendations

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



Logistics and Infrastructure Efficiencies

Achieve efficiency gains within the California freight system from 2012 to 2020, 2030 and 2050 that provide time and/or cost savings, and reduce air pollution



Engines and Equipment

Develop, demonstrate, and deploy zero emission technology where feasible; technology capable of zero emission miles; and cleanest combustion everywhere else



Energy and Fuel

Transition to a freight system powered by renewable, low carbon energy



Other Emission Reduction Approaches

Other approaches to reduce emissions and/or health risk from California's freight system



Land-Use

Develop and use sustainability principles, criteria, and tools for new and expanded freight facilities, and freight transportation infrastructure projects, that put air quality and public health considerations on an equal footing with other considerations in the siting, design, and operation of projects



Monetary Incentives

Seek private and public investment to fund projects that will increase efficiency and advance the California freight system towards zero emissions



Non-Monetary Incentives

Develop and implement programs that provide significant non-monetary incentives to achieve increased efficiencies and accelerated emission reductions from the California freight system



Economy and Jobs

Recognize regional economies and current workforce training levels. Improve the competitiveness of California's logistics system to support regional and State economies. Identify workforce development needs, including education and job training to provide a reliable workforce for logistics operations

Recommendations and Actions

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 Inputs to the Freight Mobility Plan

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

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