CALIFORNIA SUSTAINABLE FREIGHT ACTION PLAN

Air Resources Board Meeting

Informational Update

May 19, 2016

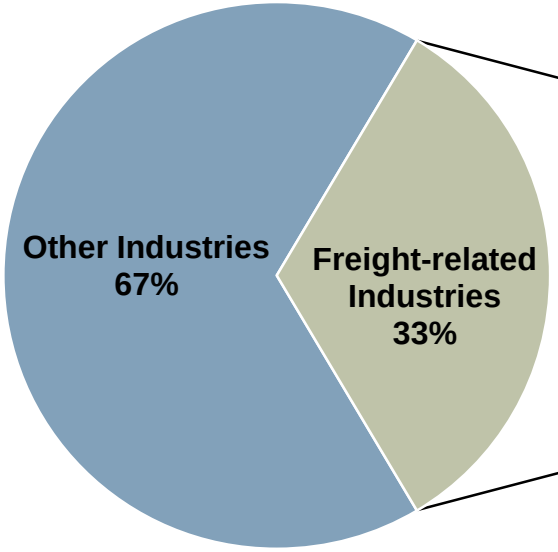
Overview

- California's Freight Transport System
- Governor's Executive Order B-32-15
- Components of the Action Plan
- Process and Next Steps

1/3 of California's Jobs and Economy

California Industry Employment Composition

Total Employment (2014): 16 Million



Retail Trade	10%
Manufacturing	8%
Wholesale Trade	5%
Mining, Logging, & Construction	4%
Transportation & Warehousing	3%
Farm	3%
Utilities	0.4%

Source: EDD, Labor Market Information Division, 2014

Critical to California's Environmental Objectives

Under Continuous Pressure to Evolve

- 25 percent increase in volume by 2025
- Competition and cost pressures
- Demands of e-commerce
- System capacity, safety, and security
- More protective toxics and air quality standards
- Increased vulnerability of freight facilities to climate change impacts

Progress Will Require Partnerships Across…

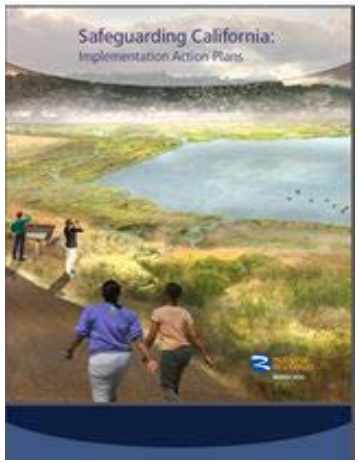
- **Multiple sectors, disciplines, and organizations**
- **State government**
- **Industry**
- **Federal, regional, and local agencies**
- **Environmental and community partners**
- **International bodies**

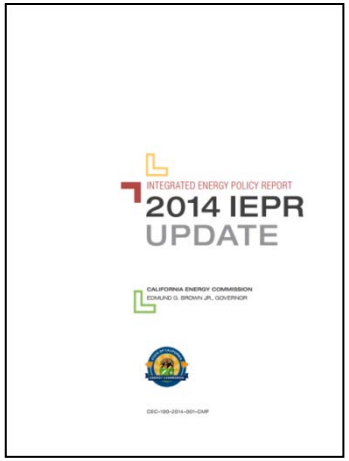
Governor's Executive Order B-32-15

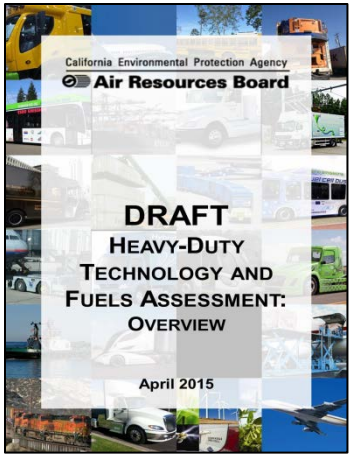
Multi-decade, iterative process needed to transform California's freight system. State agencies, in consultation with stakeholders, to develop plan by July 2016 to:

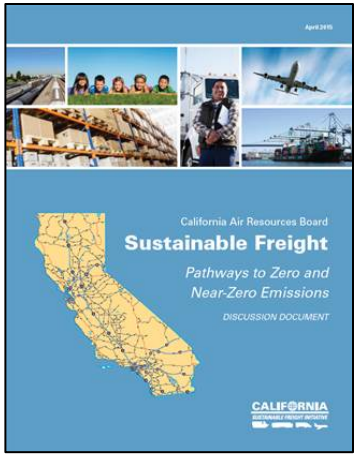
- **Improve freight efficiency**
- **Transition to zero emission technologies**
- **Increase competitiveness**

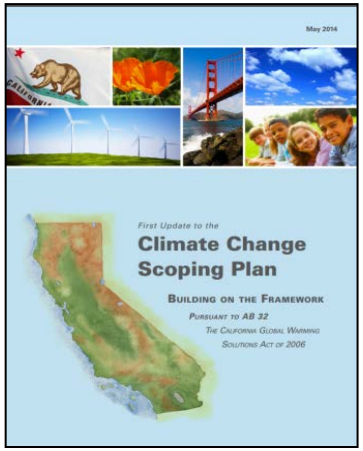
Other Recent State Plans

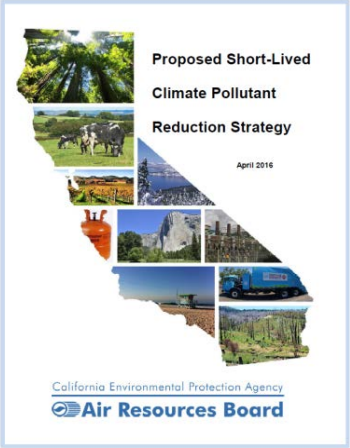












Stakeholder Engagement

Public Workshops and Webinars

- July 2015
- October 2015
- January-February 2016

Individual and Stakeholder Group Meetings

- California Freight Advisory Committee
- Freight Efficiency Working Group
- California Cleaner Freight Coalition
- Tribal governments
- Other groups as requested

Freight Efficiency Working Group

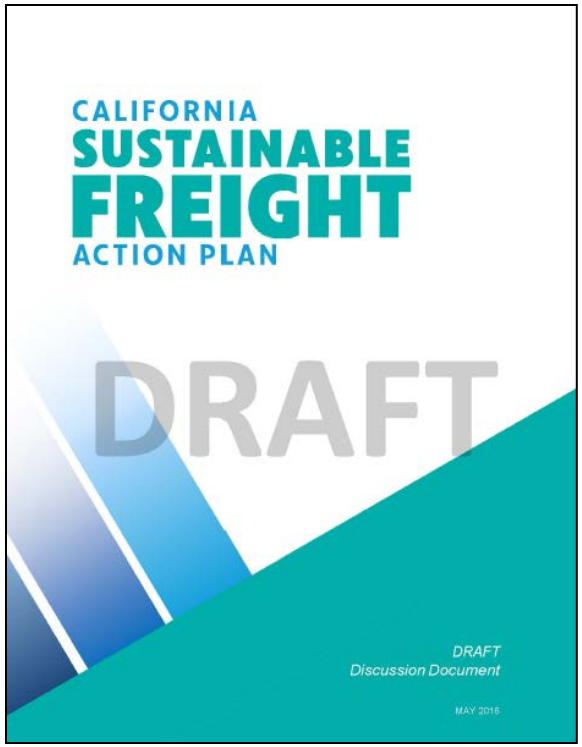
Chaired by Dr. Sperling
and
Convened by Caltrans

- **Participants:** Freight industry, academics, advocates, and government
- **Developed a series of white papers:**
  - Funding for Freight Infrastructure and Clean Equipment
  - Strategies to Maximize Asset Utilization
  - Planning and Policy
  - Operational Modernization at Distribution Nodes
  - Information Technology

Framework of Draft Action Plan

Released on May 3, includes:

- **2050 Freight System Vision**
- **Guiding Principles**
- **2030 Statewide Targets**
- **Freight Funding Approach**
- **State Agency Actions**
- **Pilot Projects**
- **Discussion Concepts**



2050 Freight System Vision

Utilize a partnership of federal, State, regional, local, and industry stakeholders to move freight in California on a modern, safe, integrated, and resilient system that continues to support California's economy and livability.

Transporting freight reliably and efficiently by zero emission equipment everywhere feasible, and near-zero emission equipment powered by clean low-carbon renewable fuels everywhere else.

Guiding Principles

"In addition to statutory requirements, the Guiding Principles characterize priorities for future investments of freight funding in California."

- **Regional and Local Support**
- **Economy**
- **Safety**
- **Community Impacts**
- **Maintenance**
- **Reliability**
- **Efficiency**
- **Environment**
- **Resiliency**
- **Land Use**

2030 Statewide Targets

- **System Efficiency:** Improve 25 percent by 2030
- **Technology:** Deploy over 100,000 zero emission vehicles/equipment and maximize near-zero by 2030
- **Economy:** Foster future economic growth within the freight and goods movement industry

Freight Funding Approach

- **Potential Freight Funding**
  - Fixing America's Surface Transportation (FAST) Act
  - Governor Brown's Fiscal Year 2016-2017 Budget Proposal

- **Approach to Ongoing Freight Investments**
  - Trade Corridor Improvement Fund/Goods Movement Emission Reduction Program – Phase II
  - Further explore matching grants, financing assistance, and bulk purchasing power

State Agency Actions

1. **Work with legislature on a freight transport funding package**
2. **Work with legislature on distribution of federal FAST Act funds**
3. **Plan and invest in infrastructure to modernize freight corridors**
4. **Accelerate use of advanced technologies and renewable fuels**

State Agency Actions (cont'd)

5. **Establish a sustainable freight think tank**
6. **Develop strategies, tools, and data that consider commercial viability and promote competitiveness**
7. **Continue work with the freight efficiency development group**
8. **Implement steps to meet existing and future workforce needs**
9. **Identify process improvements to expedite delivery of projects**

Implementation Steps for Actions

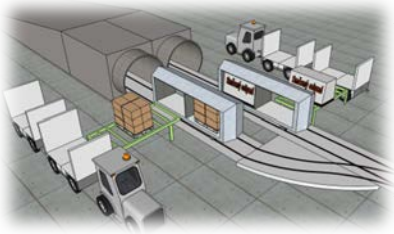
- **Transportation and Fueling Infrastructure**
  - Highway, Rail, and Waterway Network Planning and Development
  - Charging and Hydrogen Fueling Network Planning and Incentives
  - Freight Handbook
- **Advanced Technologies**
  - Vehicle and Equipment Regulatory and Incentive Concepts
  - Renewable Fuels Concepts
- **Competitiveness**
  - Cost and Benefit Data, Tools, and Metrics Development
- **System Efficiency**
  - Freight Truck Platooning, Route Designation, and Signal Priority
  - Intelligent Transportation Systems Enhancements
  - Off-Hour Delivery/Pick Up Strategy
- **Workforce Development**
  - Upskilling Programs and Job Training Models

Pilot Projects

- **Dairy Biogas for Freight Vehicles**
  San Joaquin Valley
- **Advanced Technology for Truck Corridors**
  Southern California
- **Advanced Technology Corridors at Border Ports of Entry**
  California-Mexico Border

Discussion Concepts

- **Inland marine corridors**
- **Non-traditional transport methodologies**
- **Packaging optimization**
- **Supply chain consolidation in the agricultural industry**
- **System efficiency strategies**
- **Transportation projects**
  - Interstate 710 Corridor
  - State Route 11 Otay Mesa East Port of Entry



Next Steps

May 3, 2016	**Draft Action Plan released for public comment**
May-June 2016	Stakeholder meetings on draft Action Plan
July 6, 2016	Public comment period ends
July 2016	Agency Secretaries transmit final Action Plan to Governor

View the full draft Action Plan at:

http://www.casustainablefreight.org/