

CALIFORNIA  
**SUSTAINABLE  
FREIGHT**  
ACTION PLAN

California Transportation Commission

Kome Ajise

May 18, 2016

# Overview

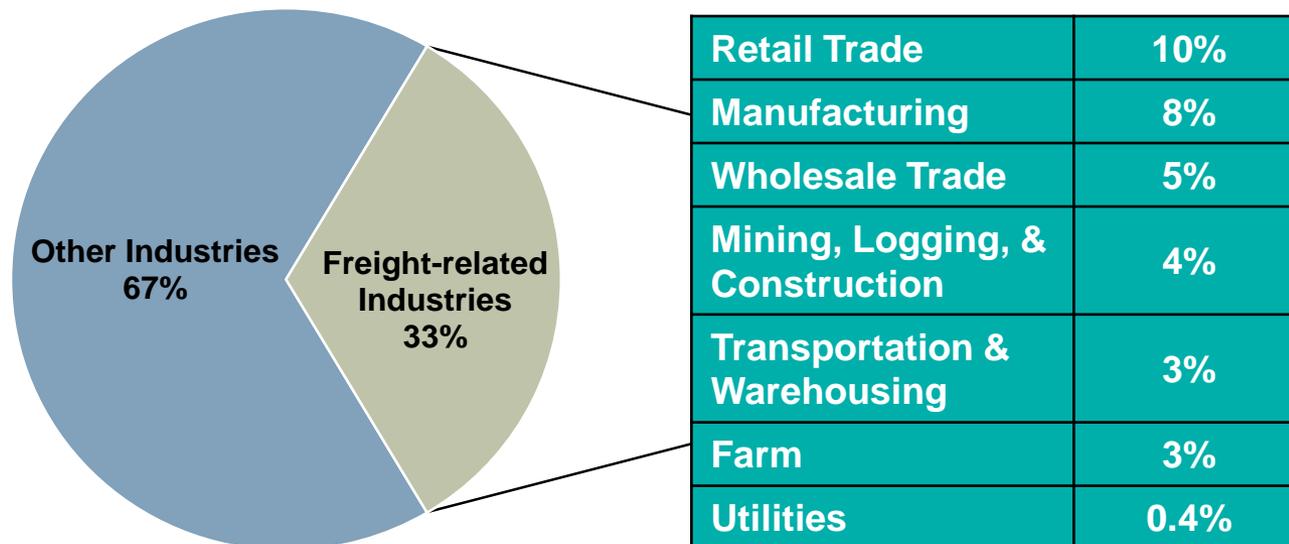
- **California's Freight Transport System**
- **Governor's Executive Order B-32-15**
- **Components of the Action Plan**
- **Process and Next Steps**



# 1/3 of California's Jobs and Economy

## California Industry Employment Composition

Total Employment (2014): 16 Million



Source: EDD, Labor Market Information Division, 2014

# Freight Is Important to California's Economy

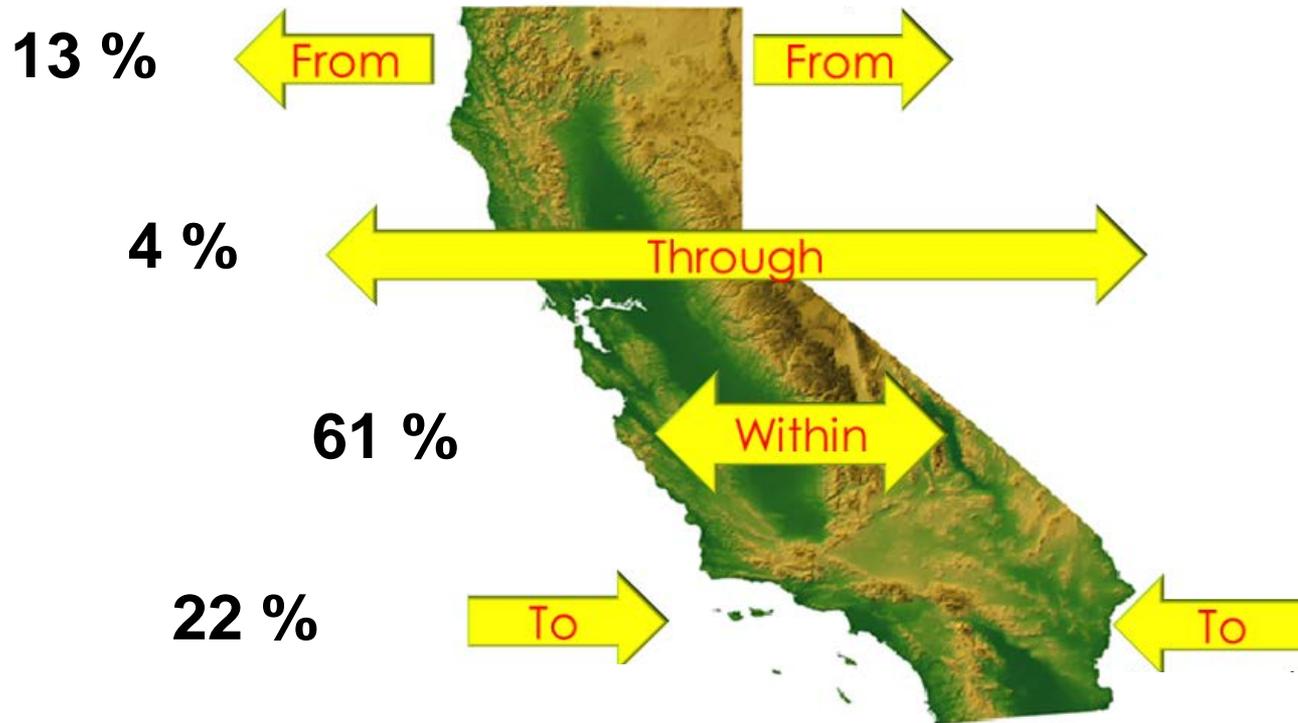
Freight-dependent industries account for:

- Over \$740B of CA Gross Domestic Product, 32% of the California economy (2014)
- Over 5 million jobs, 33% of California jobs (2014)

California freight projections for 2025:

- 25% increase in volume
- 60% increase in commodity value

# 2/3 of Freight Transport Within California



- Source: Freight Analysis Framework Data by U.S. Department of Transportation, 2015

# 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
- Environmental and community partners
- Federal, regional, and local agencies
- International bodies



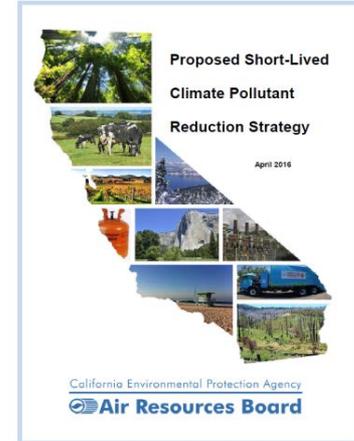
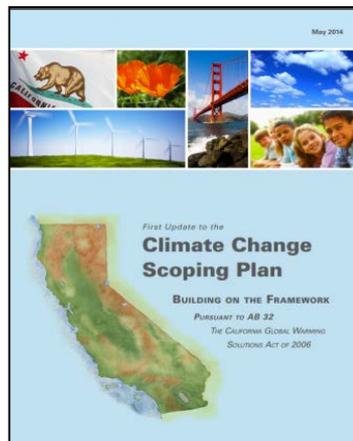
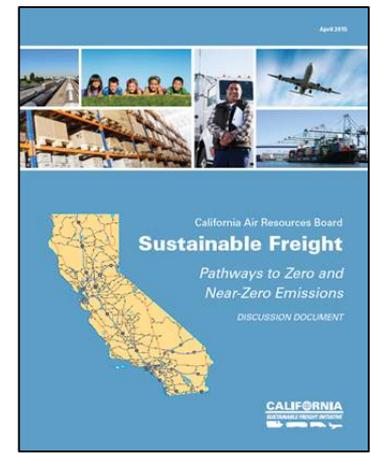
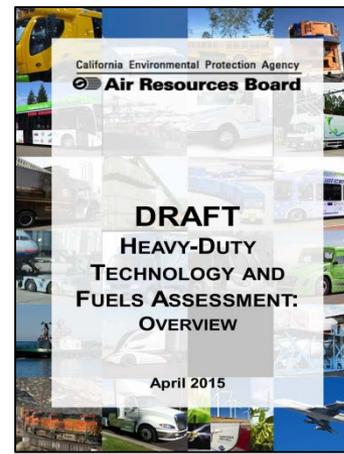
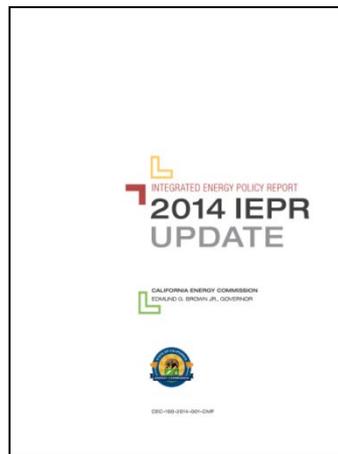
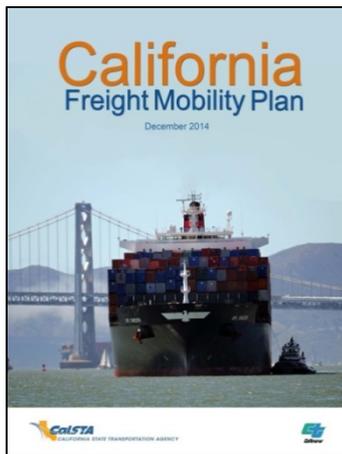
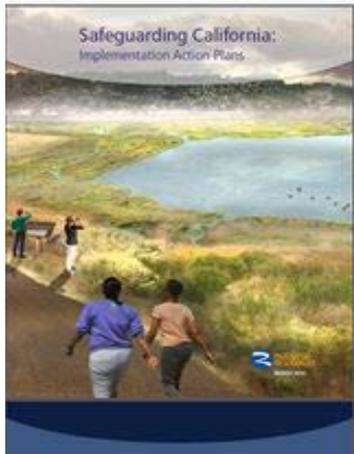
# Governor's Executive Order B-32-15

**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

## FREIGHT EFFICIENCY STRATEGIES

March 2016

A White Paper Series to Inform the California  
Sustainable Freight Action Plan

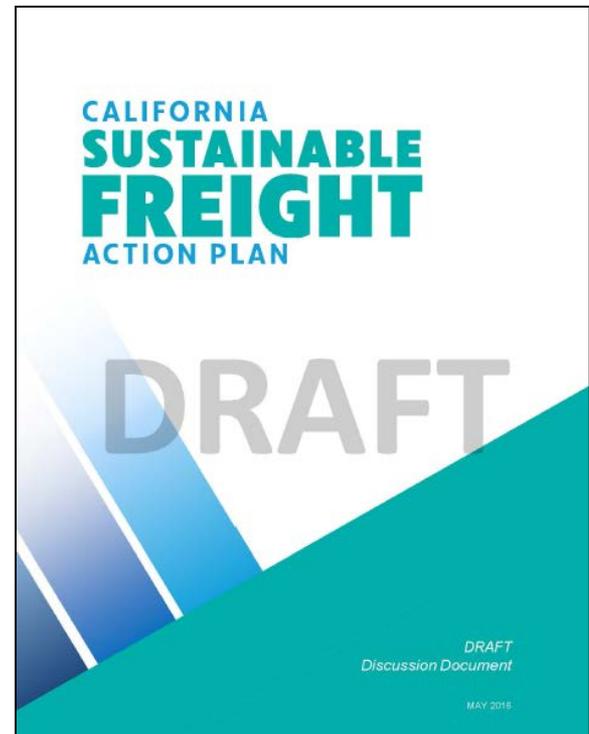
Chaired by Dr. Sperling  
and  
Convened by Caltrans

- **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**



# 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



# Investing in California's Freight Transport System

- **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 considers commercial viability and promotes competitiveness**
- 7. Continue work with the freight efficiency development group**
- 8. Implement steps to meet existing and future workforce needs**
- 9. Identify regulatory or permitting process improvements**

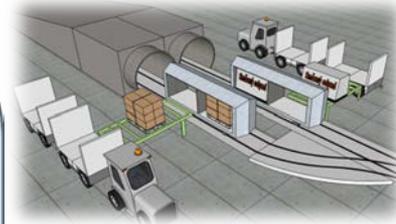
# Pilot Projects

- **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 Otoy Mesa East Port of Entry



# Action Plan Timeline

May 3, 2016	Draft Plan Released for Public Comment
May 10, 2016	California Freight Advisory Committee
May 18, 2016	CTC Meeting
May 19, 2016	ARB Board Meeting
July 6, 2016	End of Public Comment
July 2016	Finalize and submit to Governor

View the full draft Action Plan at:

**[www.casustainablefreight.org](http://www.casustainablefreight.org)**