



CALIFORNIA SUSTAINABLE FREIGHT ACTION PLAN

Heather Arias, Chief

Freight Transport Branch

California Air Resources Board

Commission on Environmental Cooperation
Joint Public Advisory Committee Meeting

December 12, 2016

Under Continuous Pressure to Evolve

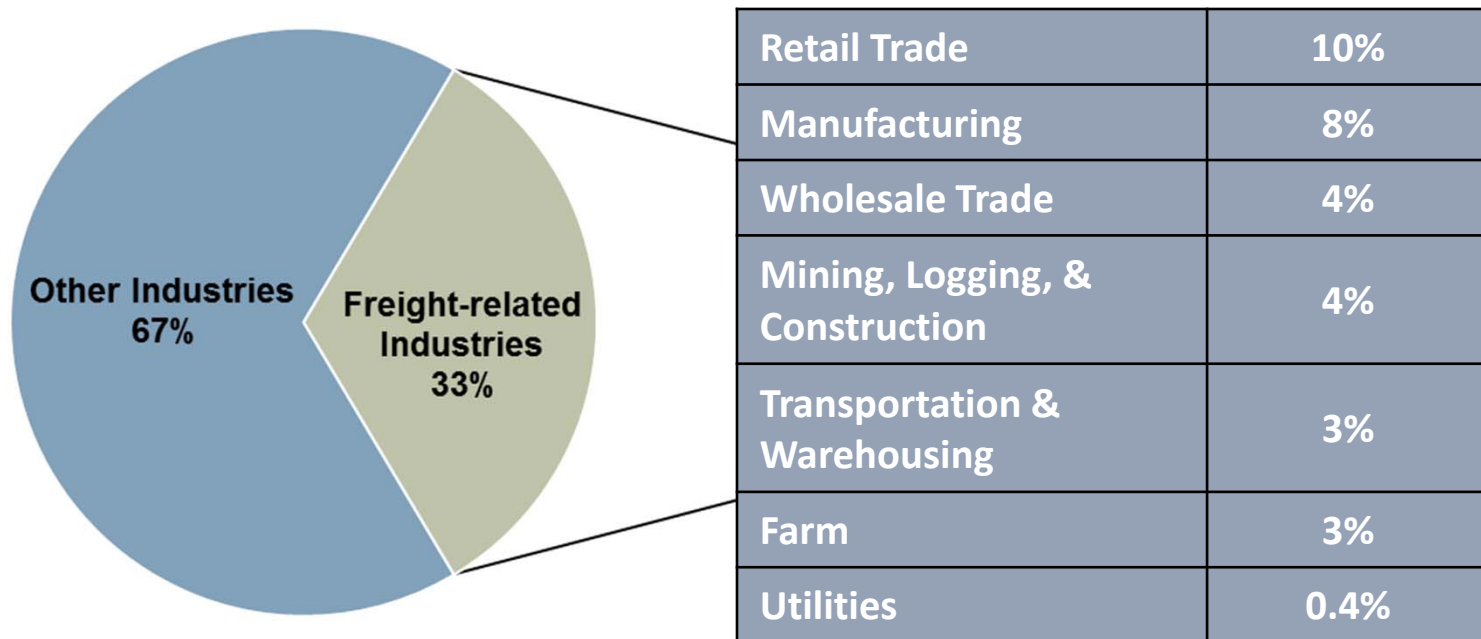
- 25 percent increase in volume by 2025
- Competition and cost pressures
- Demands of e-commerce
- System capacity, safety, and security
- More protective toxics and air quality standards
- Increased vulnerability of freight facilities to climate change impacts



1/3 of California's Jobs and Economy

California Industry Employment Composition

Total Employment (2015): 16.4 Million



Source: EDD, Labor Market Information Division, 2015

Critical to California's Environmental Objectives



Cut air
toxics
health risk



Attain air
quality
standards



Mitigate
climate
change

Zero-emission technology/ renewable energy

California Sustainable Freight Action Plan

Governor's Executive Order B-32-15

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

Action Plan Finalized in July 2016

CALIFORNIA
**SUSTAINABLE
FREIGHT**
ACTION PLAN



Stakeholder Engagement

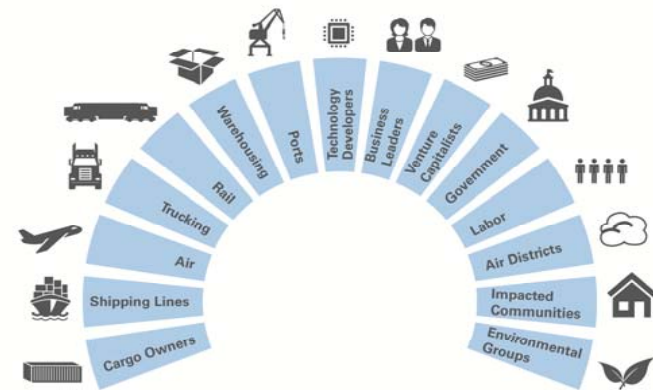
Public Workshops and Webinars

- July 2015
- October 2015
- January-February 2016
- May 2016



Individual and Stakeholder Group Meetings

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



Over 85 Comments Submitted for Consideration

Major Theme Areas

- Continued work on data, metrics, and tools to increase efficiency and competitiveness of the system
- Further commitment to address localized community and health impacts in State infrastructure and regulatory programs
- State freight funding activities
- Specific partnerships and technologies to consider in Action Plan implementation



View Comments

<http://www.casustainablefreight.org/contributions>

2050 Sustainable Freight Vision

“Utilize a partnership of federal, State, regional, local, community, and industry stakeholders to move freight in California on a modern, safe, integrated, and resilient system that continues to support California's economy, jobs, and healthy, livable communities. Transporting freight reliability and efficiently by zero emission equipment everywhere feasible, and near-zero emission equipment powered by clean, low-carbon renewable fuels everywhere else.”



2030 Statewide Freight Targets

System Efficiency Target

Improve freight system efficiency 25 percent

Transition to Zero Emission Technology Target

Deploy over 100,000 freight vehicles and equipment capable of zero emission operation and maximize near-zero emission freight vehicles and equipment powered by renewable energy

Increased Competitiveness and Economic Growth Targets

Establish a target or targets for increased State competitiveness and future economic growth within the freight and goods movement industry

Freight Funding Approach

- Phase II - Trade Corridor Improvement Fund/Goods Movement Emission Reduction Program
- Fixing America's Surface Transportation (FAST) Act
- Statewide Freight Funding Strategy



Summary of 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
5. Establish a sustainable freight think tank

Summary of State Agency Actions Cont.

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 Project Concepts

Dairy Biomethane for Freight Vehicles
San Joaquin Valley

Advanced Technology for Truck Corridors
Southern California

Advanced Technology Corridors at Border Ports of Entry
California-Mexico Border



Next Steps

By July 2017	State agencies work with partners to establish workgroups and work plans for Action Plan implementation
By July 2018	Provide progress report on Action Plan implementation efforts
By July 2019	Evaluate Action Plan freight targets to determine if adjustments are needed

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