



California Sustainable Freight Action Plan

California State Board of Food and Agriculture

November 3, 2015



Freight Transport System



Modes &
Facilities



Economy and Jobs

Freight-dependent industries accounted for:

- Over \$700 billion
 - 32% of the California economy (2013)
- Over 5 million jobs
 - 33% of California jobs (2013)

Need to Accelerate Progress



Sustainable Freight Transportation Vision

Future freight demand accommodation through clean energy technology and statewide trade corridor improvement



Goals:

- Develop and implement freight efficiency improvements
- Enhance safety and community livability
- Reduce future freight dependence on fossil fuels
- Adequate, dependable, sustained funding for innovative freight infrastructure and maintenance

Energy Reliability and Diversity

- Fuel and technology planning
 - Vehicle fueling infrastructure
 - Transportation electrification
 - Technology roadmaps
 - Market assessments

California Sustainable Freight Action Plan

Governor's Executive Order B-32-15 Directs State agencies, in consultation with stakeholders to:

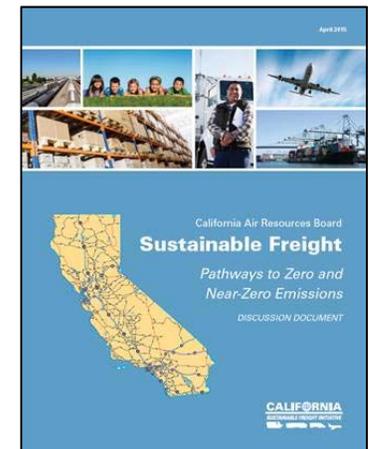
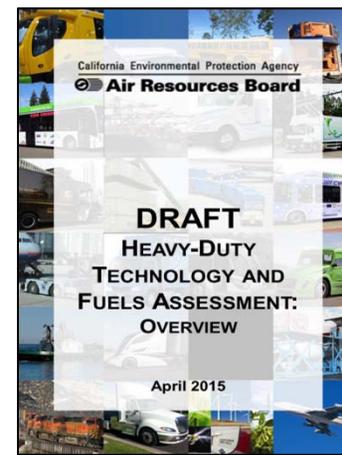
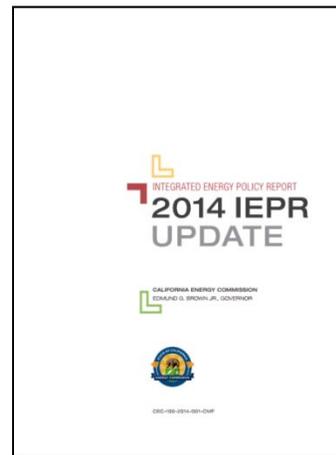
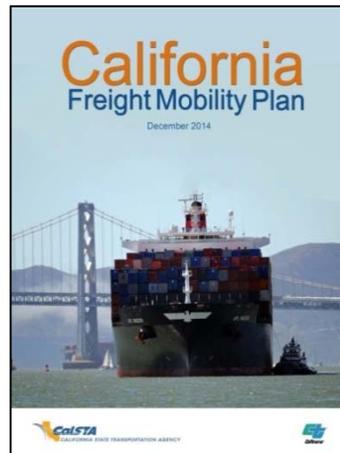
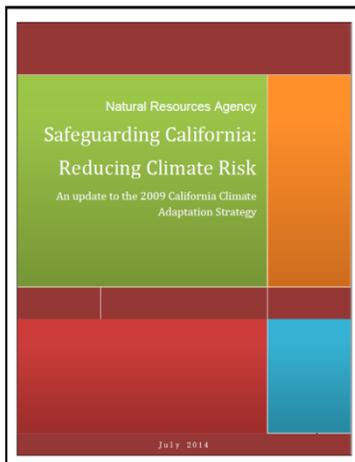
- Establish targets to improve freight efficiency, transition to zero/near-zero technologies, and increase competitiveness of the freight system
- Identify State actions to help achieve targets
- Initiate work on corridor-level freight pilot projects



State Agencies Involved

- California State Transportation Agency
- California Environmental Protection Agency
- California Natural Resources Agency
- Governor's Office of Business and Economic Development
- California Department of Transportation
- California Air Resources Board
- California Energy Commission

Foundation for Action Plan



Freight Targets for 2030

- Improve freight system efficiency by 25%
- 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.

Near-term Actions to Support 2030 Freight Targets

Public and private policies, programs, and investments will support the system:

- Engines and vehicles
- Energy and fuels
- Infrastructure and facilities
- Funding and incentives
- System efficiencies
- Economy

System Efficiency Opportunities

- Operating hours
- Free flow cargo handling
- Container dwell time
- Zero-emission automation
- Logistics IT software
- Virtual container yards
- Engine/vehicle efficiencies
- Collaborative logistics
- Eco-driving
- Cooperative delivery systems
- Manufacturing technology

Freight Pilot Projects

- Corridor level and located within State's primary trade corridors
- Incorporates advanced technologies, alternative fuels, freight and fuel infrastructure, and local economic development components
- Transformation potential

Process for Pilot Project Ideas

- Incorporate progress towards the freight targets
- Think BIG, TRANSFORMATIVE, and INNOVATIVE (technological, operational, infrastructure)
- Freight Pilot Project Ideas by **November 30th**
 - More information:
<http://www.arb.ca.gov/gmp/sfti/sfti.htm>

We Want Your Input

- What do you see as operational or technological priorities for agriculture as we transition to a sustainable freight transport system?



Process and Timeline for Development

- Near-Term Actions
Concepts for public comment at regional workshops in early 2016
- Pilot Projects
Draft list for public comment at regional workshops in early 2016
- Draft Plan Release in Spring 2016
- Final Plan Release in July 2016.

Contact Us

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