

Faster Freight, Cleaner Air 2007

Long Beach
February 26, 2007

State Perspective

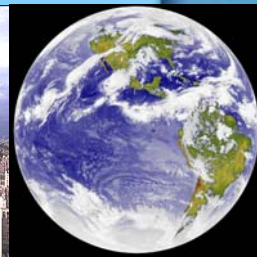
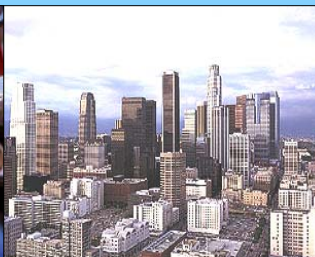
Robert F. Sawyer, Ph.D., Chair



Air Resources Board
California Environmental Protection Agency

California Air Resources Board

- Meet health-based air quality standards for particles and ozone
- Reduce cancer risk from air toxics like diesel soot and chrome
- Cut greenhouse gas emissions



Goods Movement Action Plan

(January 2007)

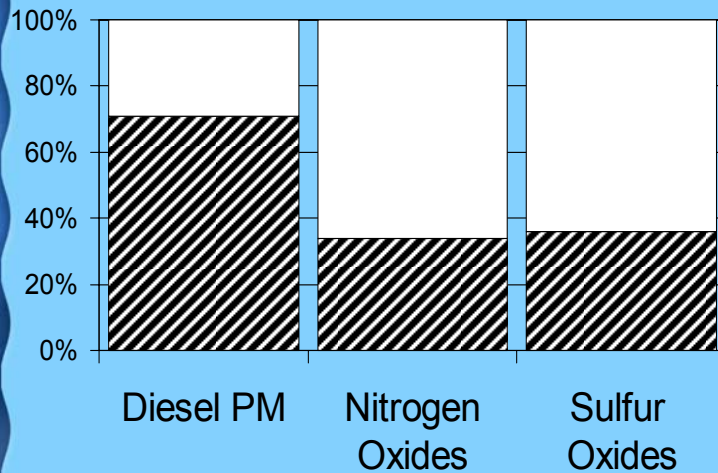
Key Principle

"Simultaneous and continuous improvement"

- Infrastructure investment
- Operational improvements
- Environmental protection



Goods Movement Contribution to Statewide Emissions-2005



Health Impacts

- Premature death
- Asthma and bronchitis
- Heart disease
- Increased cancer risk near sources
 - Ports, rail yards, high traffic roads



Goods Movement - ARB Goals (April 2006 Emission Reduction Plan)

Reverse growth in emissions

- By 2010, reduce emissions as much as possible, at least to 2001 levels

Reduce diesel PM risk

- Rapid reduction in community risk
- By 2020, reduce statewide risk 85%

Attain federal PM2.5, ozone standards



Strategies to Reduce Impacts

Regulations

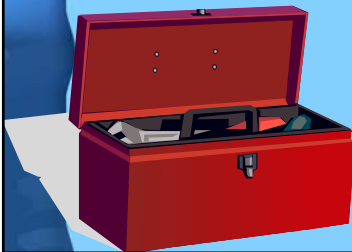
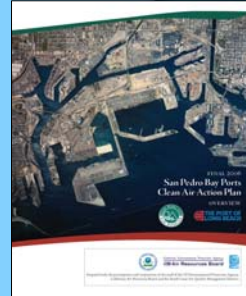
Enforceable agreements

Industry initiatives

Incentives

Project mitigation

Land use decisions



Recent ARB Rules

- ✓ Low sulfur diesel fuel
- ✓ Transport refrigeration units
- ✓ Truck idling limits
- ✓ International trucks
- ✓ Ban on ship incineration
- ✓ Ship auxiliary engine fuels
- ✓ Diesel cargo equipment
- ✓ Gas forklifts



New ARB Rulemaking (2007-2008)

- Privately-owned trucks
- Port trucks
- Commercial harbor craft
- Shore power for ships
- Cleaner ship fuel
- Speed limits for ships



State Incentives

- Highway Safety, Traffic Reduction, Air Quality & Port Security Bond Act-2006
 - \$1 billion to reduce emissions from freight movement in trade corridors
- Carl Moyer Program
 - \$140 million/year through air districts



Federal Actions are Critical

- Adopt stringent emission standards for marine and locomotive engines
- Adopt MARPOL Annex VI for ships
- Provide substantial funds to clean up legacy fleet of diesel engines
- Push for aggressive international standards for ships and aircraft



Faster Freight, Cleaner Air **Together, We Must Succeed**

