BAY AREA AIR QUALITY MANAGEMENT DISTRICT

MTC Planning Committee

May 8, 2009

Purpose of 2009 Clean Air Plan

Develop integrated **multi-pollutant** plan to:

- **Improve air quality**
- **Protect public health:** Regional plan, but will improve air quality in impacted communities
- **Protect our climate** & ecosystems
- Update 2005 Ozone Strategy per state law
- Reduce transport to neighboring air basins

Multi-Pollutant Scope

- Existing approach addresses single pollutant
- New approach addresses multiple pollutants in one integrated plan
  - Ozone precursors
  - Particulate Matter (PM)
  - Air Toxics
  - Greenhouse gases: CO_2, methane, etc.
- Measures may reduce multiple pollutants
  - Maximize co-benefits
  - Identify and minimize trade-offs

Bay Area 2009 Clean Air Plan

Draft Plan Framework

Vision:

- Attain Air Quality Standards
- Protect Public Health in all Communities
- Support Sustainable Climate and Ecosystems

Performance Objectives:

- Reduce PM2.5 exposure by 10% by 2015.
- Reduce diesel PM exposure by 85% by 2020.
- Reduce GHG emissions to 1990 level by 2020 and 40% below 1990 by 2035.

Control Strategy

Stationary Sources

- Industrial/Commercial
- Energy Production
- Combustion Processes

Mobile Sources

- Mobile Source Measures
- Transportation Control Measures

Land Use & Local Impacts

- Clean Air Communities Initiative
- Indirect Source Review
- CEQA Guidelines

Energy & Climate

- Urban Heat Islands
- Energy Measures

Toolkit

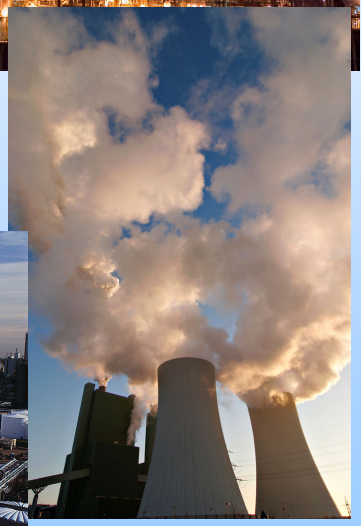
- Rule-making
- Permitting
- Enhanced Monitoring
- Grants
- Policies and Practices
- Partnerships
- Operational Refinements
- Public Outreach
- Enhanced Enforcement
- Advocacy

Special Topics

- Impacted Communities
- Climate Protection
- Best Local Planning Practices
- Advocacy Platform

Stationary Source Measures

- Industrial & commercial sources
  - e.g. coating & solvents
- Energy production
  - natural gas production
- Combustion processes
  - coke calcining, cement plants



Land Use & Local Impacts Measures

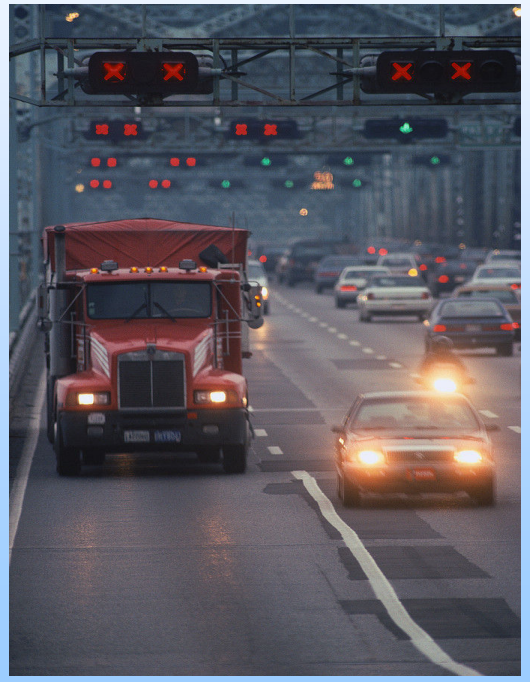
- Clean Air Communities Initiative
- Indirect Source Regulation
- New CEQA guidelines; enhanced CEQA review
- Enhanced AQ monitoring
- Land use guidelines to reduce population exposure
- Enhanced enforcement of ARB diesel rules
- Target grants to impacted communities

Energy & Climate Measures

- Urban heat island mitigation
  - cool roofs / green roofs
  - cool paving
  - tree-planting
  - ventilation
- Energy efficiency & conservation
- Alternative energy

Mobile Source Measures

- Promote clean vehicles & fuels, accelerate retirement of high-emitters
- Four broad mobile source measures:
- On-road:
  - Light-duty
  - Heavy-duty
- Off-road:
  - Light-duty Equip.
  - Heavy-duty Equip.



Transportation Control Measures

Improve Transit Services

- Improve Local and Areawide Bus Services
- Improve Local and Regional Rail Service
- Improve Ferry Service

Improve System Efficiency

- Implement Freeway Performance Initiative
- Improve Transit Efficiency and Use
- Implement Regional HOT Network
- Improve Goods Movement (New)

Encourage Sustainable Travel Behavior

- Support Voluntary Employer-Based Trip Reduction Program
- Implement Safe Routes to Schools & Safe Routes to Transit
- Promote Rideshare Services and Incentives
- Conduct Public Outreach and Education

Transportation Control Measures

Support Focused Growth

- Improve Bicycle Access and Facilities
- Improve Pedestrian Access and Facilities
- Support Local Land Use Strategies (Enhanced)

Implement Pricing Strategies

- Pursue Congestion Pricing
- Pursue Parking Pricing (New)
- Pursue Other Pricing Strategies (New)

Next Steps

- Refine control measure descriptions
- Analyze cost/benefit on multi-pollutant basis
- Issue draft control strategy – July 2009
- Issue draft CAP – September 2009
- Host public workshops
- Adopt final CAP – Late Fall 2009