# Control Measure Development

2003 Ozone Plan Technical Issues Workshop July 23, 2003

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### **Control Measures Overview**

- Types of Control Measures
- Sources of Control Measures
- Possible Control Measures
- Control Measure Process



# **Types of Control Measure**

Control Measures are the means by which the emission reductions, required by the attainment plan, are achieved.

- Mandatory requirements (Permitted sources)
- Voluntary participation (Non-permitted sources)



# Types of Control Measure

- Command and Control Traditional rules and regulations
- Economic Incentive either subsidies or fees to generate reductions
- Alternate control strategies emission credit trading, facility
   emission caps, or alternate source
   reduction funding



### Sources of Control Measures

- EPA and ARB
- Transportation Planning Agencies
- Land Use Planning Agencies
- Stakeholder suggestions
- Other air districts' successful Control Measures
- District documents, e.g. ROP & PM10 plans



# Examples of Governmental Control Measures

- Low-sulfur diesel leading to NOx controls for mobile sources
- Tighter emission standards for on-road and off-road engines
- Consumer products limits
- Land Use Planning restrictions
- Transportation Projects Light rail, roadways & transit projects



# Examples of District Control Measures

#### **Past Projects**

- Boilers
- Turbines
- I.C. Engines
- Coatings Rules
- Storage Tanks
- Degreasers
- Graphic Arts
- Dry Cleaners
- Glass Furnaces
- Gas Stations
- Charbroilers

#### **Future Projects**

- On-road vehicle fleets
- Small turbines
- Refinery fugitives
- Small boilers & heaters
- Concentrated feed lots
- Soil Decontamination
- Wineries
- Indirect Source Fees
- Low-sulfur fuel
- Alternative compliance scenarios

# Examples of District Incentive Programs

- Light and Medium Duty (Lowemission passenger vehicles)
- Heavy Duty Diesel (Truck and Busses)
- Agricultural pumps
- Alternate Fuel Infrastructure Projects
- REMOVE projects



### **Control Measure Process**

- 1. Provides outlines of possible options.
- 2. Examine Possible Control Measures
  - Emission Inventory Assessment
  - Rule and Plans Review
  - Suggested Control Measures
  - General Technology Feasibility
  - Estimates Total Emission Reduction
- Not intended to include all the detailed information of final rule.



## Rule Development Process

- 1. Starts after Plan is approved
- 2. More detailed development of proposed Control Measure
  - Emission Inventory Assessment
  - Socio-economic Impacts
  - Control technology feasibility
  - Rule specific reductions



## **Control Measure Summary**

- List of Control Measures to be included in the Attainment Plan
- Control Measures are developed by a variety of federal, state and local groups
- Some rules are now in development due to commitments in the 2002 Ozone ROP and the 2003 PM10 Attainment Plan
- Public Comments and Suggestions are invited to develop the list of possible future Control Measures.

# Send Us Your Suggestions For Control Measures:

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