

**San Joaquin Valley APCD
Ozone Attainment Demonstration Plan**

CONTROL MEASURES

August 12 and 13, 2004

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Integrated Solution to Air Pollution

- Stationary Source measures
- Local clean fleet programs
- *Smart Growth* land-use and transportation policies
- Regional coordination of land use and transportation



SJVAPCD Contribution

Regulatory authority

- **Stationary Sources**

Types of Measures

- **Regulatory**
- **Incentive programs**
- **Voluntary programs**



Control Measure Process

Attainment Plan Input

- Ozone ROP and PM Plans Reviewed
- Emissions Inventory Examined
- Control Measures Identified

Rule Development Process

- Requirements/Standards Developed
- Cost Effectiveness
- Socio-Economic Analysis
- Compliance Schedule



Table 4-1 : 2004 - 2007 Control Measure Schedule

Currently being developed or scheduled for development.

- Categories with identifiable Emission Inventories and Control Options**
- Rules resulting from new legislation.**



Table 4-1 : 2004 - 2007 Control Measure Schedule

- Oil & Gas Fugitives
- School Bus Fleets
- Indirect Sources
- Wineries
- Small Boilers
- Stationary Engines
- Composting
- Solvents
- Water Heaters
- Oil Vents
- Soil Decontamination
- Open Burning
- Foam Manufacturing
- Turbines
- Gasoline Transfers
- Aviation Fueling



Table 4-2 : Further Study

Potential measures requiring future study.

- **Examining Emission Inventories and/or Feasible Control Options**
- **Measures may be dropped or new projects added in plan updates.**



Table 4-2 : Further Study

- **Portable Equipment**
- **Asphalt Dryers**
- **Sumps, Pits & Waste Water Processing**
- **Heavy Oil Fugitives**
- **Adhesives**
- **Graphic Arts Materials**
- **Cutback Asphalt Application**
- **Under-fired Charbroilers**
- **Residential Water Heaters**
- **Furnaces**
- **Brandy Production**



Incentive Programs

- Heavy- and Light-Duty Engines
- Electric Lawn Mower
- Mobile Source Emission Reduction Incentive Program
 - E-Mobility
 - Bicycle Infrastructure
 - Vanpool Subsidies



TPA RACM Process

- 8 TPAs and 67 member agencies
 - Model Resolution Package
 - Strengthen existing RACM commitments (Severe Area Ozone Plan)
- Each jurisdiction determines which measures are feasible for implementation



TPA RACM Process, Cont.

- Adopted resolutions in February 2004
 - Commitments for measures to be implemented
 - Reasoned justification for non-implementation
- Submitted Commitment Documents in May 2004



TPA RACM Process, Cont.

- Overview of process presented at July 2003 workshop
- Status of process presented at January 2004 workshops
- RACM Website
 - <http://www.fresnocog.org>



What are existing State and federal regulations achieving between 1999-2010?

- State and federal controls are cutting emissions from 1999 to 2010, despite growth
 - ↓ VOC over 90 TPD (>45% reduction)
 - ↓ NOx over 140 TPD (>35% reduction)
- Next increment of reductions by 2010 depends on cleaning up existing fleet



Statewide Strategy

- In October 2003, ARB adopted a Statewide Strategy with over 20 new measures to reduce ROG, NOx and PM10
- For the Valley Ozone Plan, State measures will provide emission reductions of 15 tpd ROG and 20 tpd NOx in 2010
- Measures will be adopted through 2009
- <http://www.arb.ca.gov/planning/sip/stfed03/stfed03.htm>

