

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

CONTROL MEASURES

**January 6 & 7, 2004
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Control Measure Process

Attainment Plan Input

- Emissions Inventory Examined
- Control Measures Identified

Rule Development Process

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

Process for Developing Stationary Source Measures

- **Review measures successfully implemented in other regions**
- **Evaluate emission reductions and cost effectiveness of each measure**
- **Plan will also include measures not proposed for implementation**

SJVAPCD Control Measures

- **Regulatory authority**
- **Types of control measures**
 - **Regulatory**
 - **Incentive programs**
 - **Voluntary programs**

Table 1 : 2004 - 2005 Schedule

Rules currently being developed, starting development, or scheduled for development.

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

Table 2 : 2006 - 2007 Projects

Sources/rules under review for possible future control measures.

- **Investigating Emission Inventories and/or Feasible Controls**
- **Some measures may be dropped or new projects added in plan updates.**
- **Public comments are solicited for additional project ideas.**

Plan Input

- **Available Details of Possible Control Measures**
- **Estimated Reductions**
- **Plans for Control Measures Needing Further Study**
- **Incentives for Non-regulatory Programs**

Public Input

- **New ideas for control measures**
- **Public involvement in Rule Development Process**
 - **Control techniques/technologies**
 - **Costs and availability of controls**

Integrated Solutions

- **Stationary Source measures**
- **Local clean fleet programs**
- ***Smart Growth* land-use and transportation policies**
- **State mobile source and consumer products programs**

TPA RACM Process

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

TPA RACM Process, Cont.

- **Adopt resolutions by February 2004**
 - **Commitments for measures to be implemented**
 - **Reasoned justification for non-implementation**
- **Submit Commitment document in March 2004**

State Measures

January 6-7, 2004



Air Resources Board

California Environmental Protection Agency

What is the existing State program 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

New Statewide Strategy

- In October 2003, ARB adopted a Statewide Strategy with over 20 new measures to reduce ROG, NOx and PM10
- Caps a two-year ARB public development process
- Focus is on reducing emissions by 2010 to help areas attain

What are the proposed State commitments?

- ARB to develop and propose new regulations based on statewide measures
- Proposal includes 5 measures already in PM10 Plan
- ARB staff has estimated a range of emission reductions in the Valley from the new Statewide measures
- ARB will define specific near-term commitment in Draft Plan

Defined New State Measures

- Passenger vehicles
- Heavy trucks and buses
- Construction/farm equipment
- Forklifts, generators, pumps
- Lawn and garden equipment
- Commercial harbor craft/ports
- Gasoline refueling/storage
- Diesel fuel
- Consumer products

What are the steps for developing plan measures into regulations?

- Evaluate use, emissions, control options, feasibility, impacts, alternatives
- Hold meetings on data and concepts
- Release staff report/technical support
- Issue formal proposal
- ARB action on proposed regulations from 2003-2006

Additional ARB Actions

- Continue to identify opportunities for further emission reductions
- Conduct State Implementation Plan Summits annually
 - First Summit is January 13-14, 2004
 - Additional information on Summit available at <http://www.arb.ca.gov/planning/sipsummit/2004/2004sipsummit.pdf>