



**Item #10-2-3  
Information**

**Climate & Air Quality Committee**

January 29, 2010

**SMAQMD Triennial Ozone Plan Update**

**Issue:** SMAQMD Triennial Update for state ozone standards

**Recommendation:** None, this item is for information and discussion only.

**Discussion:** Charles Anderson of the Sacramento Metropolitan Air Quality Management District will provide an outline of the district's triennial update to their plan for meeting California's ozone air quality standards<sup>1</sup>. State law requires that plans be updated every three years to assess progress and to consider updated emissions and air quality data. Districts must also identify new opportunities to reduce ozone precursor emissions and make commitments to adopt all "feasible" control measures. The SMAQMD Board of Directors approved this plan update on January 28, 2010. Attached is additional information on this item.

Approved by:

Mike McKeever  
Executive Director

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Attachment

Key Staff: Gordon R. Garry, Director of Research and Analysis, (916) 340-6230

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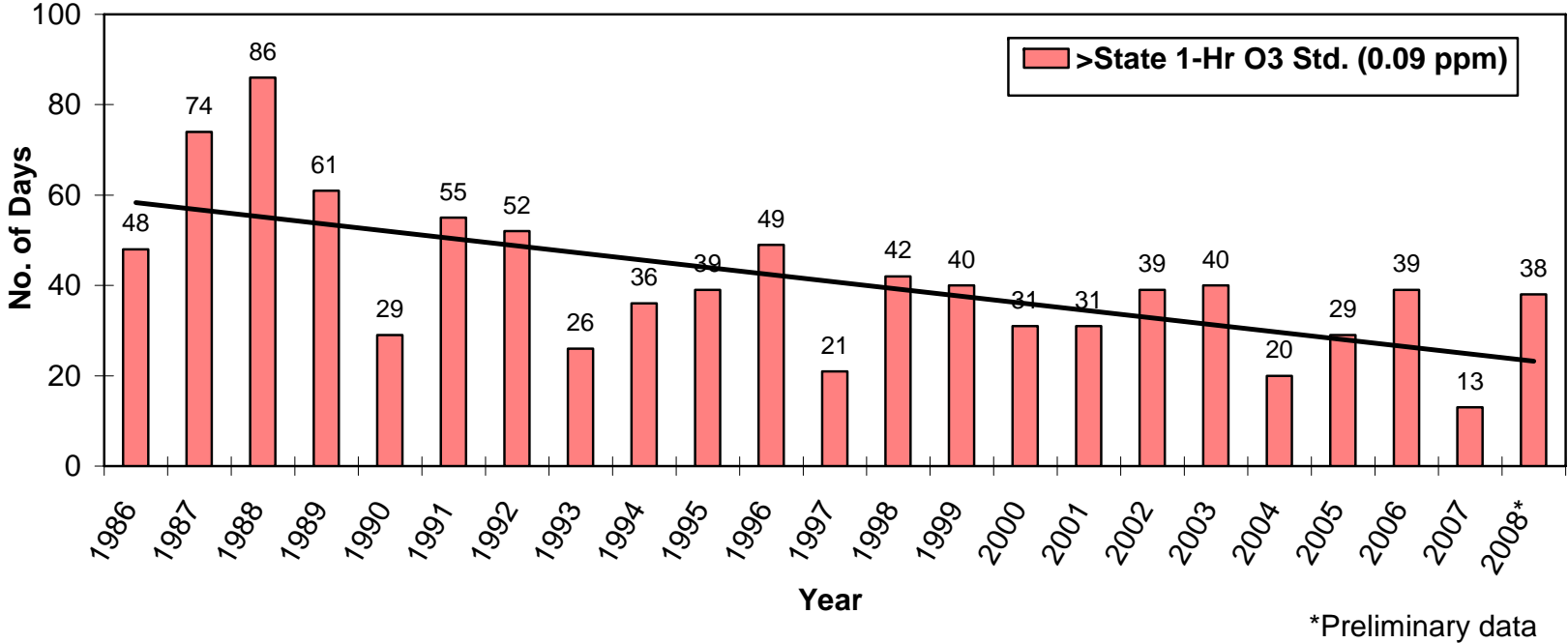
<sup>1</sup> California's ozone standards are more health protective than the federal ozone air quality standards. However, California law requires that the state ozone air quality standards be met "by the earliest practicable date" whereas federal law requires that the ozone standards be met not later than 2018 with significant consequences for failure to meet that deadline.

# **2009 Triennial Report and Plan Revision**

## **Sacramento Metropolitan Air Quality Management District**

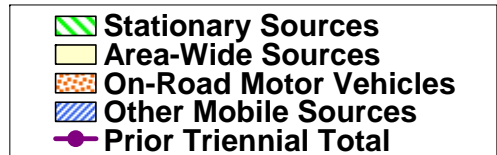
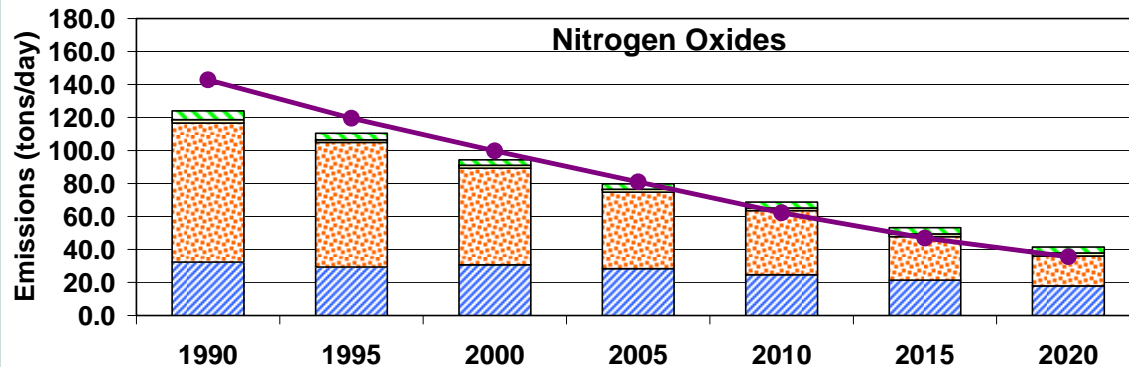
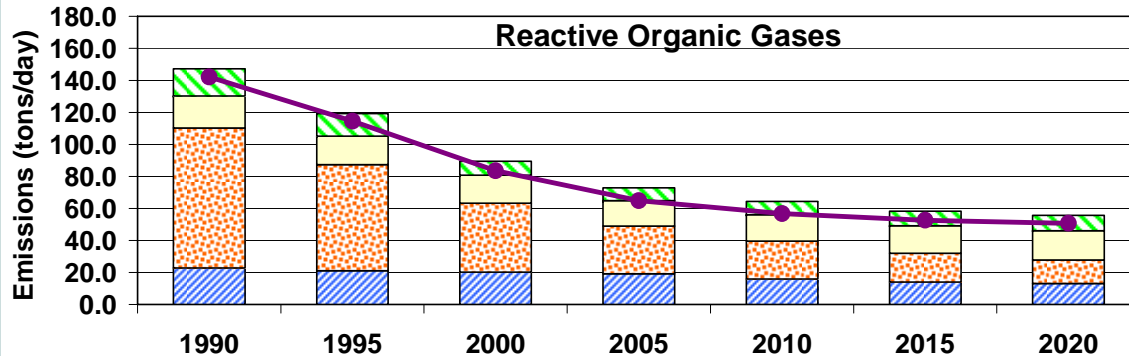
**Charles Anderson  
February 8, 2010**

# Number of Days Exceeding State 1-Hr Ozone Standard in Sacramento County



**Since late 1980's, overall downward trend (~50%) in days exceeding state ozone standard in Sacramento County.**

# Sacramento County Emissions Inventory Trends



## 1990 - 2010

- ROG reduction ~55%
- NOx reduction ~45%
- Population increase ~40%
- VMT increase ~45%
- Conclusion - Control measures are effective, especially for motor vehicles, even with significant growth.

# Stationary Source Control Measures

- **Evaluated 12 previous control measures commitments and further study measures.**
- **6 control measure commitments in the plan update.**
  - **Automotive Refinishing**
  - **Natural Gas Fired Water Heaters**
  - **Natural Gas Production and Processing**
  - **Stationary IC Engines**
  - **Architectural Coatings**
  - **Asphaltic Concrete**
- **All were included in federal ozone plan.**



# District Mobile Source Control Programs

- **Vehicle and Engine Technology Incentive Program**
- **During 2004-2008, \$55 million funded**
  - ~1000 vehicle projects and ~450 ag pumps.
- **Evaluated 2 further study measures.**
  - Older vehicle buyout option to be considered.
  - Free gas caps not recommended due to State Smog Check.
- **Proposed commitment to continue Vehicle and Engine Technology Program with \$5 million/yr funding.**



# District Land Use and Transportation Programs

- **CEQA Construction Mitigation Program**

- 20% NO<sub>x</sub> reduction requirement.
- ~35 construction projects per yr.



- **CEQA Land Use Operational Mitigation Program**

- 15% ROG and NO<sub>x</sub> reduction.
- 7 major land use developments.



- **Transportation Control Measures**

- Folsom Light Rail extension in 2005.
- Evaluated transit and bicycle/pedestrian programs.

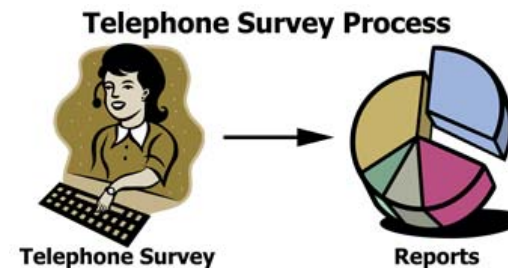


- **Proposed commitment to continue to implement existing programs.**

- **New commitments to adopt Indirect Source Rules for Construction and Land Use Operational Phases.**

# “Spare The Air”

- Increase air quality awareness.
- Promote voluntary driving curtailment.
- Program activities include:
  - Daily air quality forecasts and episode advisories.
  - Phone surveys to evaluate participation and reductions.
- Commitment to continue.



# 2009 Triennial Report Conclusions

- **Ozone Air quality has improved since late 1980's:**
  - 50% fewer average ozone exceedances.
  - 80% less exposure to exceedances.
- **Emission inventory trends show substantial**
  - 55% ROG and 45% NO<sub>x</sub> declines 1990-2010, even with population and VMT increase.
- **Controls achieved significant emission reductions:**
  - 0.8 tpd ROG and 4.0 tpd NO<sub>x</sub> (2004-2008).
- **“All feasible measures” commitments for next triennial period:**
  - 1.3 tpd ROG and 1.7 tpd NO<sub>x</sub>.