
South Coast Air Quality Management District Draft 2007 AQMP

Working Group Meeting
November 29, 2006

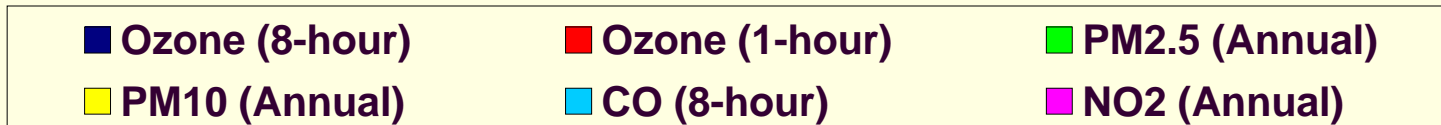
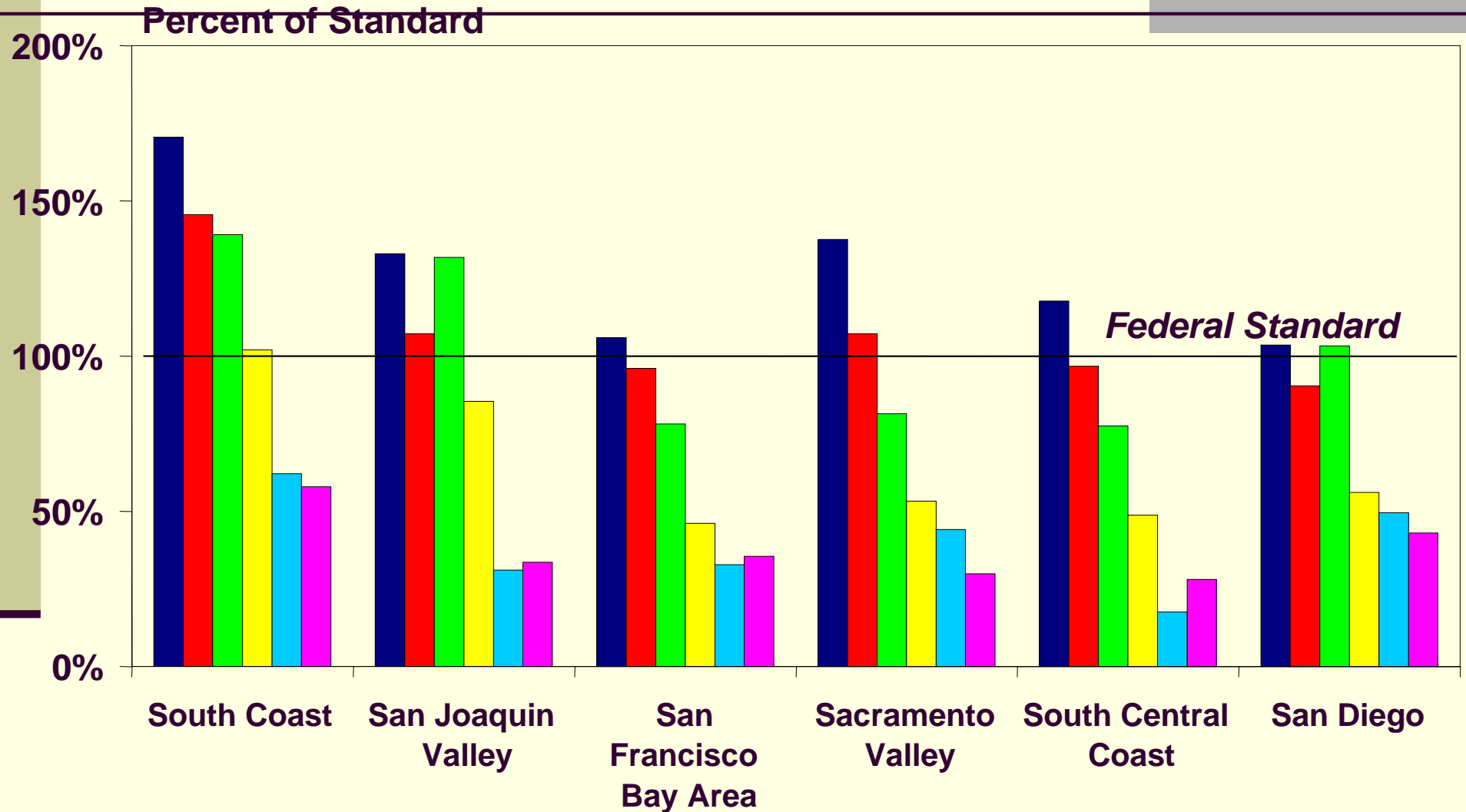
Emissions Growth Management
Control Strategy – 01

**Emissions Reductions for New or
Redevelopment Projects**

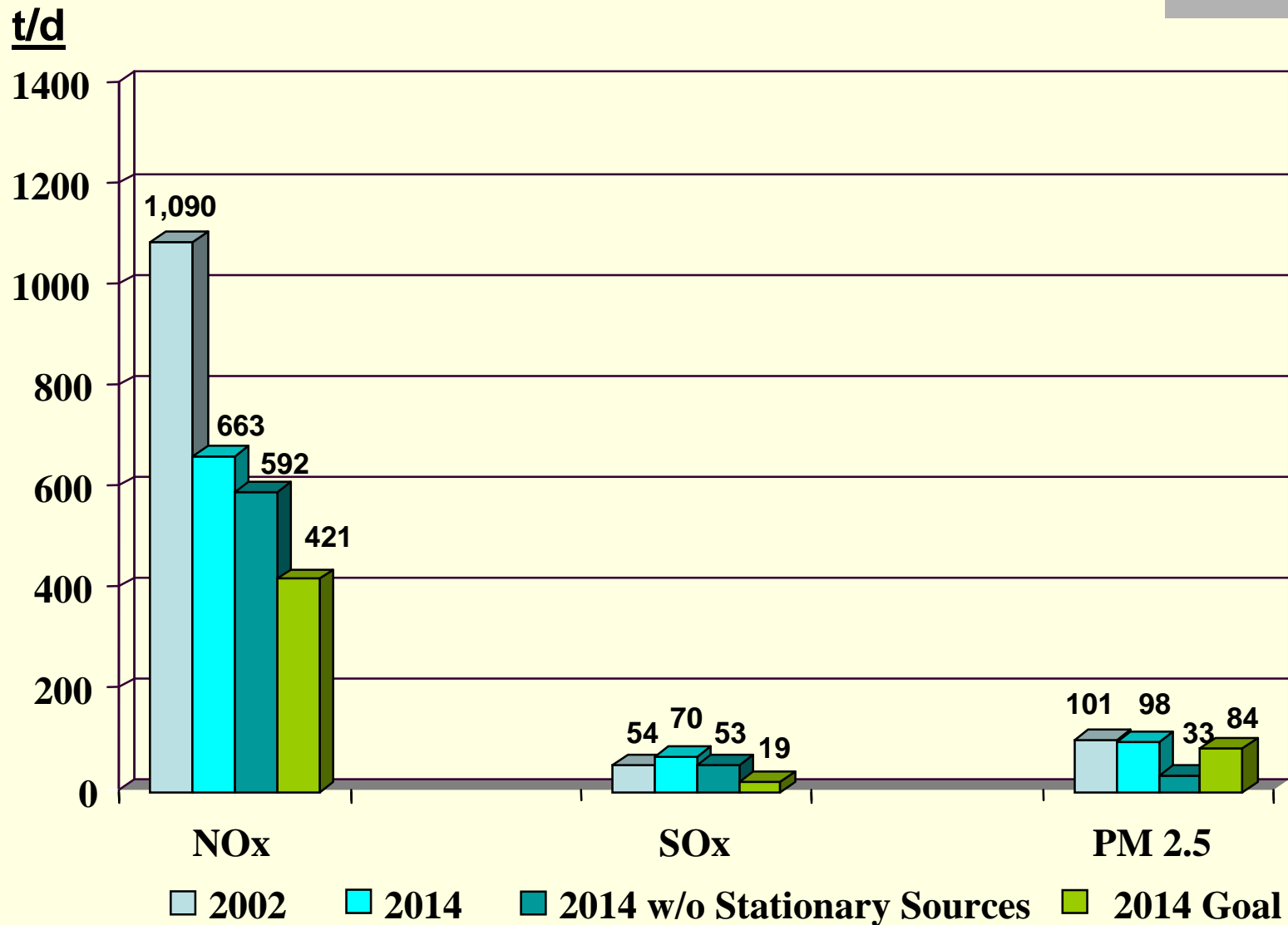
Draft 2007 AQMP Overview

- Regional blueprint to meet air quality standards
- Integrated plan to address both PM2.5 and 8-hour ozone standards
 - PM2.5: 2015
 - 8-hour ozone: 2021/2024

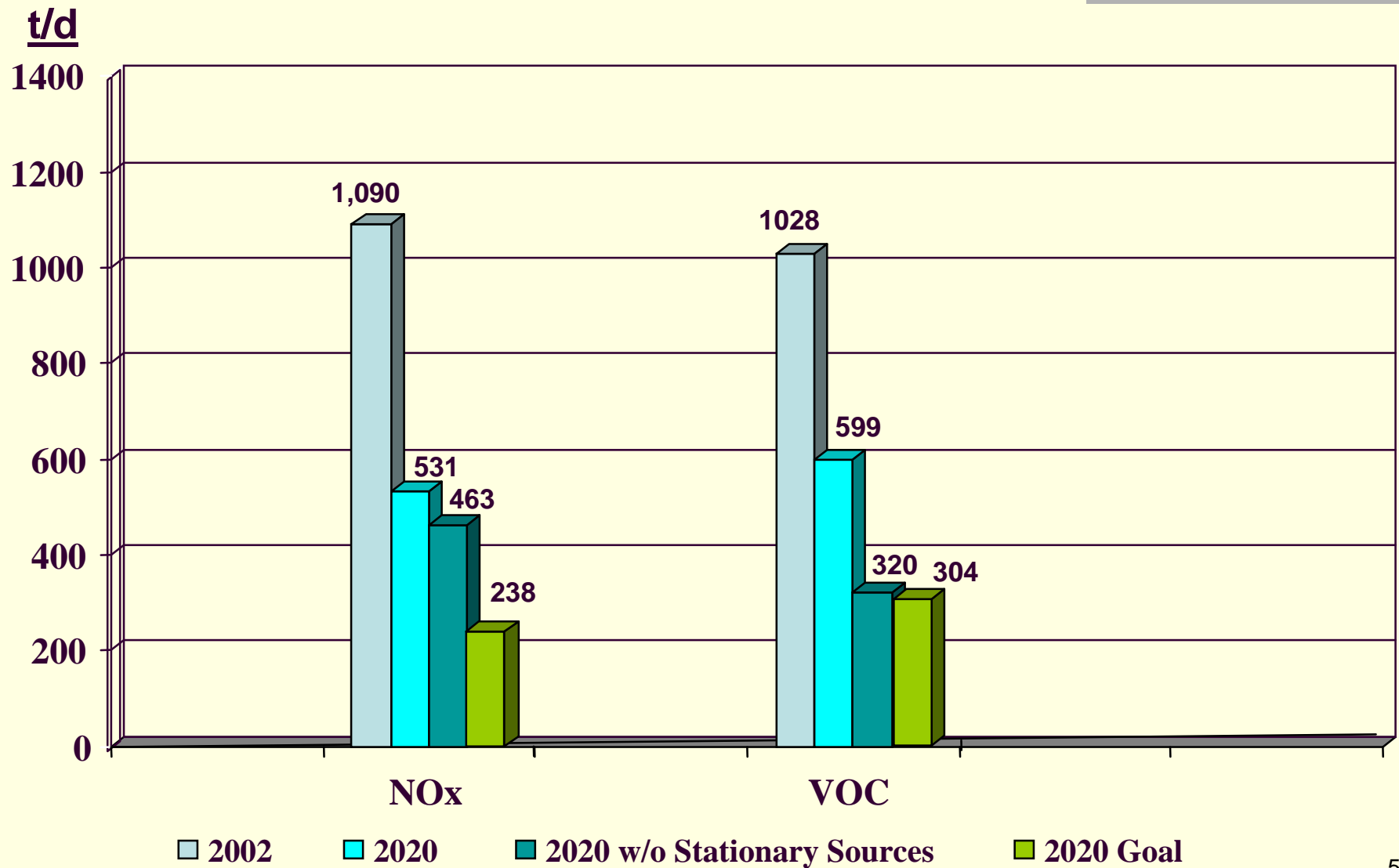
2005 South Coast Air Basin Quality Compared to Other California Air Basins



Additional Emission Reductions to meet PM 2.5 Standard



Emission Reduction to meet 8-hour Ozone Standard



AQMP Control Strategy

AQMP Chapter 4 (includes)

- Overall Attainment Strategy
- Stationary & Mobile Source Control Measures
- SCAGs Regional Transportation Strategy & Control Measures
- State & Federal Control Measures

AQMP Control Strategy cont.

Appendix IV-A

- District's Stationary and Mobile Source Control Measures
 - Emission Growth Management (EGM-01)

Reduction Targets by 2020

NOx	=	1.0 tpd
VOC	=	0.5 tpd
PM2.5	=	0.5 tpd

Draft Control Measure (EGM-01)

New or Redevelopment Projects

- AQMD required by law to consider “All Feasible Measures” (i.e. SJVUAPCD’s Rule 9510)
- Mitigate emission growth from new development and redevelopment projects
- Capture additional emission reduction opportunities at project development phase

Three Alternative Approaches

- San Joaquin Valley Unified APCD Approach (SJVUAPCD Rule 9510)
- New Development Project Threshold Approach
- CEQA Approach

Summary of SJVUAPCD Rule 9510

Objectives

- Fulfill commitment in PM10 Plan
- Incorporate on-site mitigation measures to reduce emissions at new development projects
- Reduce emissions of NO_x, PM10, and VOC from new indirect sources

SJVUAPCD Rule 9510 - Applicability

Development projects exceeding the following thresholds are required to reduce both construction and operational emissions:

- 50 residential units
- 2,000 sq. ft. of commercial space
- 25,000 sq. ft. of industrial space
- 20,000 sq. ft. of medical office space
- 39,000 sq. ft. of general office space
- 9,000 sq. ft. of educational space
- 10,000 sq. feet of government space
- 20,000 sq. ft. of recreational space
- 9,000 sq. ft. of uncategorized space

SJVUAPCD Rule 9510 – Applicability (cont.)

- Development projects below 2 tons per year of NOx and PM10 are exempt
- Transportation projects whose construction exhaust emissions will result in a total of 2 tons per year of NOx or PM10 are required to reduce construction exhaust emissions

SJVUAPCD Rule 9510-Requirements

- Air Impact Analysis application submitted to APCD
- Requires 33.3% reduction in operational NOx emissions and 50% reduction in PM10 emissions
- Requires 20% reduction in NOx emissions and 45% reduction in PM10 emissions from statewide average for construction equipment over 50 bhp
- Analysis of project required prior to receiving a building permit

SJVUAPCD Rule 9510 - Examples of Worst Case Mitigation Fees (2006)

<u>Project Type</u>	<u>Fee</u>
■ Residential	■ \$784 per unit
■ Industrial Park (39 acres)	■ \$83,645
■ Community Shopping Center (100,000 – 450,000 sq. ft.)	■ \$184,645

San Joaquin Valley Unified APCD

Rule 9510 – Mitigation Fees

Mitigation fees to be spent by SJVUAPCD for:

- Alt. fuel low-emission buses
- Diesel retrofits and repowers
- PM efficient natural gas street sweepers
- Agricultural water pumping engine replacements
- Electric forklifts, etc.
- Other potential projects include gross polluter replacement, biomass subsidies, electric vehicle or lawn equipment rebates, truck refrigeration unit plug-ins at distribution centers, woodstove replacement/retirement, video-teleconferencing systems, and telecommuting start-up costs.

San Joaquin Valley Unified APCD

Rule 9510 - Status

- Rule adopted in December 2005
- Program became effective March 2006
- Building Industry Association filed lawsuit in June 2006
 - Lawsuit pending

New Development Project Threshold Approach

- AQMD would develop a new rule to establish thresholds for new development and redevelopment projects
- Projects will be required to implement mitigation measures
- Fee options in lieu of mitigation measures and/or for residual emissions would be explored

CEQA Approach

- **Improve documentation of CEQA mitigation measures**
 - Expand, organize and improve documentation of CEQA mitigation measures

- **Enhance CEQA review**
 - Enhance review of CEQA documents prepared by other public agencies

 - Review documents to ensure methodologies, emission factors, etc. are consistent with AQMD's CEQA Handbook

 - Review CEQA documents to determine if all feasible measures have been incorporated into the proposed project

CEQA Approach (cont.)

- **Lead Agencies will determine mitigation requirements and enforce mitigation measures**
- **AQMD may establish a voluntary CEQA Mitigation Fee Program**
 - Mitigation fees may be paid for residual emissions, above thresholds after mitigation. AQMD will invest funds on emission reduction projects within the impacted community to the extent possible

Purpose of Working Group

- Solicit input from Working Group
- Consider input to refine EGM-01 by January 2007
- Develop a rule or program to implement adopted control strategy pending Board action on 2007 AQMP

Next Steps

- Identify issues for various approaches
- Revise/modify control measure concept as appropriate
- Next meeting?