

2007 South Coast AQMP/SIP

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Faster Freight – Cleaner Air California
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2007 Air Quality Management Plan

- “Blueprint for Clean Air”
- Partnership District, SCAG, ARB & EPA
- Adopted by District Board June 2007
- Difficulty in Narrowing 74 Ton Emissions Gap
- ARB Adopts AQMP Sept 2007
- SIP Submitted to EPA Nov 2007
- Report Available at www.aqmd.gov

Recent Air Quality

Statistic	2007	2006
Ozone Basin Days	78	86
Peak Ozone Concentration	0.137 PPM	0.175 PPM
Peak Basin Annual PM2.5	N/A*	20.6 µg/m3
98 th Percentile 24-Hr PM2.5	N/A*	53.7 µg/m3

* Filters Currently Being Analyzed

Boundaries of the South Coast Air Quality Management District and Federal Planning Areas



Plan Summary

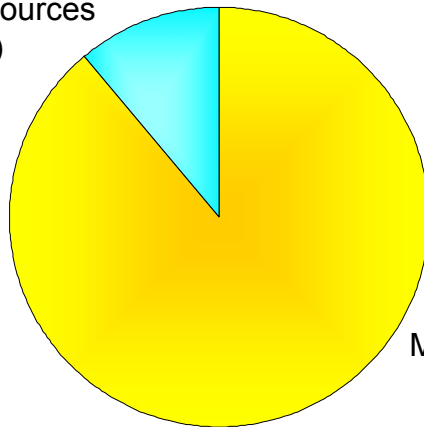
- Inclusive Control Strategy
 - 2015 PM2.5 Attainment
 - 2024 Ozone Attainment
- 31 - Stationary Source Measures
- 30 - Mobile Source Measures

Emissions Reductions Needed

	2014	2023
NOx	203 (29%)	383 (76%)
VOC	59 (11%)	116 (22%)
SOx	24 (56%)	---
PM2.5	14 (14%)	---

Contributions of Stationary & Mobile Sources to 2014 PM2.5 Attainment

Stationary Sources
(11%)



Mobile Sources
(89%)

TOTAL NOx = 650 tpd

PM2.5 & Ozone Challenge

- Additional NOx Reductions Needed to Provide Compliance Margin: 74 TPD in 2014
- Call for Air Quality Health Crisis (SCAG and AQMD)
- Consensus Agreement to Close the Gap
- New Measures Allow for Adoption of Attaining Plan
- Large “Black Box” (2023)

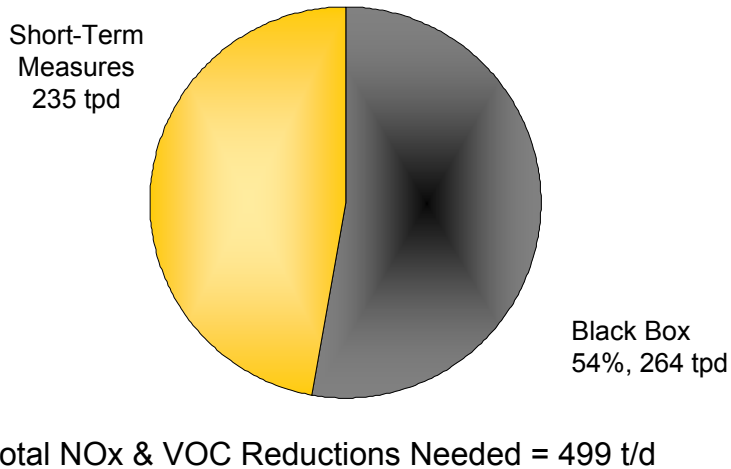
Consensus Agreement to Close the Gap

Action / Measure	Responsible Agency	NOx
Enhanced Heavy-Duty Truck Measure	ARB	27
Co-Benefits from GHG Reduction Measures	ARB	3
SOON Program Opt-in for Construction Equipment	District	12
Residential Wood Burning and Commercial Cooking Rule	District	11
Additional Incentive Funds for Port-Related and Other Sources	District/ARB*	3
Funding for Selective Catalytic Reduction (SCR) on Metrolink Trains	District/ARB*	3
DMV Registration Fees Used for SIP-Creditable Projects	Local Gov	4
Federal Funding to Mitigate Locomotive Emissions in 2014 Pending Implementation of Proposed New Locomotive Standards	Federal Gov	10
SIP Credit for Moyer Program Projects Already Funded	District	3
Additional Reductions		76**

* Joint funding commitment with ARB backstop of emission reduction commitment

** 2 tpd of NOx reductions will be used to offset other small precursor pollutant shortfalls to meet the PM2.5 emission reduction target

8-hour Ozone Attainment



Work In Progress

- Future Strategies White Paper (SCAG/AQMD/ARB)
- SCAG Released its Draft 2008 RTP
- EPA/Districts Marine Vessel Rules
- Allocation of State Goods Movement Bond Funds
- District & CARB Aggressively Pursuing Rulemaking

Highlights of Control Measures

- New Development and Re-Development Projects
- Consumer Products Certification and Use Restrictions
- Facility Modernization
- Backstop Rule for Ports and Port-Related Facilities
- Concurrent Reductions with AB32 Greenhouse Gas Strategies

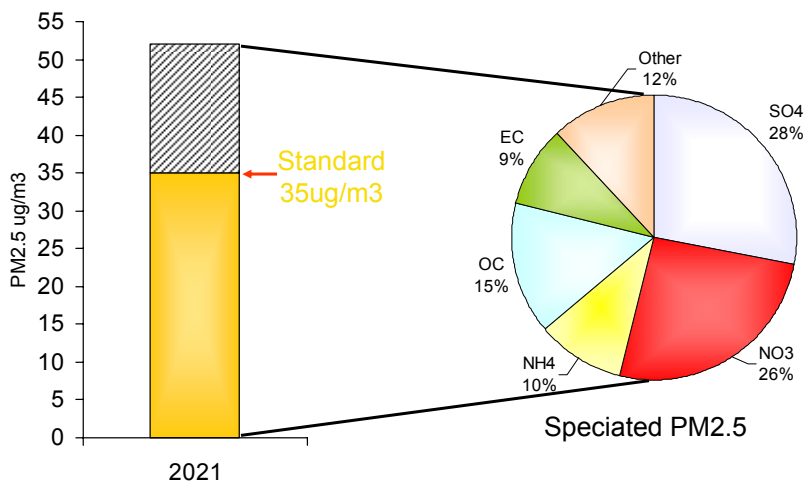
CARB Highlights

- Clarifying Conformity Budgets with EPA
- Major Effort in Global Warming/GHGs
- Preparing SIP Submittals for Neighboring Air Districts
- Ongoing Rule Development
 - Cleaner Fuel in Ocean Going Vessels Main Engines
 - Ocean-Going Vessels While At Berth At A California Port (Phase-2)
 - Small Off-Road and Large Spark-Ignition Engine Standards
 - In-Use On-Road Heavy-Duty Diesel Vehicles

Challenges on the Horizon

- Revised 24-Hour PM_{2.5} Standard
 - 65 µg/m³ to 35 µg/m³
 - EPA designations finalized (12/2008?)
 - AQMP due three years following final designation
- Revisions to the 8-Hour Ozone Standard
 - EPA considering lower standard < 0.08 ppm
 - Final designations finalized (12/2010)

Predicted Maximum 24-hour PM_{2.5} Concentration (2021)



Summary

- Concerted effort underway to implement 2007 AQMP control strategy
- New air quality standards pose significant challenge to attainment by 2020 and beyond