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SCAQMD Staff Comments on the Proposed State Strategy for the California State Implementation Plan for the Federal 8-Hour Ozone and PM2.5 Standards



South Coast Air Quality Management District

*Agenda Item No. 07-7-7
California Air Resources Board Meeting
Los Angeles, CA
June 22, 2007*

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2007 AQMP Recommended Additional Measures

Control Measure	NOx Emiss. Red. (tpd)
SCONRD-01 - Accelerated Penetration of ATPZEVs (Plug-in hybrids)	0.9
SCONRD-02 - Deployment of On-Board Diagnostics (Phase III)	2.9
SCONRD-03 - Further Emiss. Red. from On-Road Heavy-Duty Vehicles	20.9
SCONRD-04 - Further Emiss. Reductions from Heavy-Duty Port Trucks	6.3
SCOFFRD-01 - Construction/Industrial Equipment Fleet Modernization	15.8
SCOFFRD-02 - Further Emiss. Reductions from Cargo Handling Equipment	1.1
SCOFFRD-03 - Further Emission Reductions from Locomotives	11.0
SCOFFRD-04 - Further Emiss. Red. from Airport Ground Service Equipment	0.8
SCOFFRD-05 - Further Emiss. Red. from Transport Refrigeration Units	1.1
SCOFFRD-06 - Accelerated Turnover and Emiss. Stds. for Pleasure Craft	1.0
SCFUEL-01 - Further Emission Reductions from Gasoline Fuels	5.2
SCFUEL-02 - Further Emission Reductions from Diesel Fuels	3.9
Total Additional NOx Reductions	70.9 ₂

ARB Staff Analysis of Potential Additional NOx Reductions (Proposed Regulation and Rule Concepts)

Proposed Control Measure	ARB Staff Regulatory Proposal/Analysis
On-Road Heavy-Duty Vehicles	24.7
Off-Road Diesel Equipment	13
Port Truck Regulation	2.9
Total Additional NOx Reductions	40.6 tpd

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Other Potential NOx Reductions

2007 AQMP Recommended Control Measure	NOx Emission Reduction (tpd)
Greater Penetration of PHEVs, Other AT-PZEVs/ Implement OBD-III	3.8
Cargo Handling Equipment/ Ground Support Equipment	1.9
Greater Use of Diesel Fuel Alternatives	3.9
Locomotives	11.0
Personal Watercraft/ Transport Refrigeration Units	2.1
Lower Sulfur Content for Gasoline Fuel	5.2
Total Potential Additional NOx Reductions	27.9

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Commitment in 2007 AQMP

- Commit to the Additional 63 Tons/Day NOx Emission Reductions Needed For PM2.5 Attainment By 2014
- Flexibility Provided Regarding How Those Reductions Are Achieved From the Group of Identified Measures
- Substitution Allowed Provided Any New Measure Meets All of the Applicable Legal Tests

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Recommendation

- Add Commitment to Achieve an Additional 63 tons/day of NOx Emission Reductions by 2014 to the Proposed State Strategy
- If Not, Consider Proposed State Strategy in Conjunction with the South Coast 2007 AQMP at the July Board Meeting

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