

AQMP Status

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Clean Fuels Program Advisory Group February 6, 2013

Cleaning The Air That We Breathe...

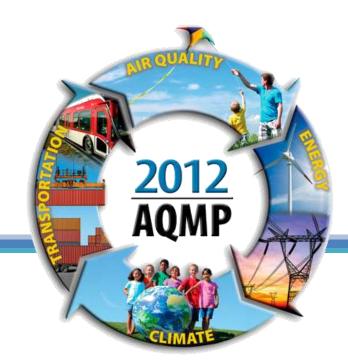
Background



- U.S EPA designated South Coast Air Basin non-attainment for 24-hour PM2.5 - 2009
- 24-hour PM2.5 SIP due *Dec 2012*
 - Builds upon previous plans and control programs
- 8-hour ozone SIP approved *2012*
 - □ Includes over **200 tons/day NOx** reductions to be adopted by 2020 for full implementation by 2023



2012 AQMP

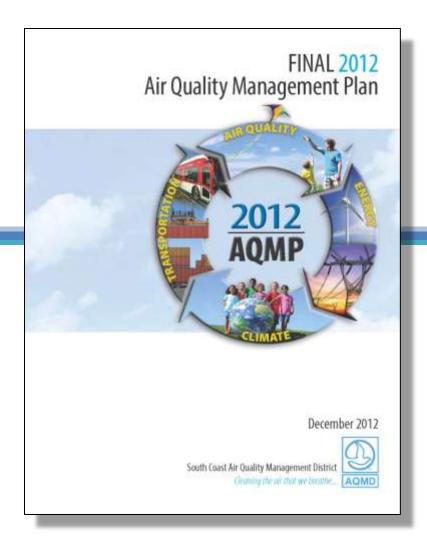


Scope

- □ 24-hour PM2.5
- 8-hour ozone update
- □ 1-hour ozone attainment demonstration

Contents

- Emission inventory
- Control Strategy
- RACT/RACM analysis
- Contingency measures
- Transportation budgets
- Attainment demonstration



24-hour PM2.5 Strategy

- PM2.5 Measures to Achieve Attainment by 2014:
 - □ Episodic residential wood burning curtailment
 - □ Episodic open burning curtailment

Reductions: 12 tpd PM2.5





8-hour Ozone Strategy



Stationary Sources:

- □ VOC controls: coatings/solvents and fugitive emissions
- □ NOx controls: RECLAIM, space heating

• Mobile Sources:

- Mostly incentive programs
- □ Port drayage trucks

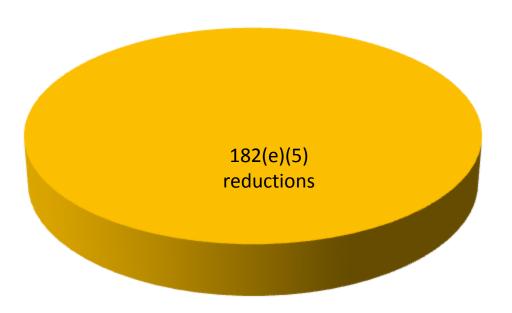
• Total Reductions:

- □ VOC: 6 tpd
- □ NOx: 11 tpd

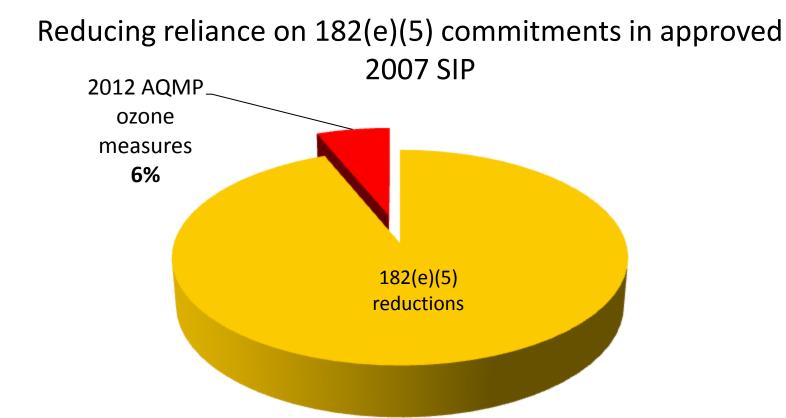


8-hr Ozone Measures (NOx)

Reducing reliance on 182(e)(5) commitments in approved 2007 SIP



8-hr Ozone Measures (NOx)



1- hr Ozone SIP Call



• U.S. EPA:

- □ "SIP Call" proposed September 19, 2012
- ☐ Final rule signed December 19, 2012; to be published February 6, 2013
- □ SIP revision required by February 6, 2014

South Coast AQMD

- □ Conducted 1-hour ozone attainment demonstration (2022)
- □ Included in the approved Final 2012 AQMP (*Appendix VII*)
- □ No changes to final rule affecting submittal

1-hour Ozone Strategy

- Specified Measures:
 - 8-hour ozone measures
 - □ 2007 SIP remaining measures
- "Black Box":
 - □ Long term emission reductions
 - □ Not new commitments; subset of 2007 SIP
- Carrying Capacity:
 - □ VOC: 410 tpd
 - □ NOx: **150** tpd



Impacts and Benefits (average annual)



Draft Plan	Cost (in millions of 2005\$)	Job Impact			
PM2.5 Strategy	\$326.55*	-1,620			
Ozone Strategy	\$121.59	-1,639			
Grand Total	\$448.15	-3,257			
Benefit Category	Benefit (in millions of 2005\$)	Job Impact			
Total**	Total** \$10,670				

^{* 99%} of cost from implementation of TCMs

GDP in 2010 = \$768 billion; Jobs in 2010 = 8.9 million

^{**} Benefit would be \$3.5 billion with 12,300 projected job gains if considering only committed TCMs.

Status



- Approved in December 2012
 - □ IND-01 continued and approved at February Board meeting
 - □ CTS-04 removed from approved Plan/SIP submittal
- Submitted to CARB Mid-December 2012
 - □ Available online
 - CARB Board approved at January 25 Board Meeting
 - CARB to submit to EPA for approval
- 2015 AQMP
 - □ Conducted first AQMP Advisory Group meeting January 29, 2013

Consumer Products Low Vapor Pressure (LVP) Exemption



• Evaluation:

- □ A request for CARB to initiate technical evaluation on LVP exemption
- ☐ Appropriate actions to be taken based on findings

CARB

- ☐ A Statement of Work for Research Project prepared
- □ Draft proposals submitted by end of January
- □ Planning a consumer products workshop

2015 AQMP



- Scope
 - □ 2006 8-hour ozone (75 ppb) SIP (attain by 2032)
 - □ Update to previous 1997 8-hour ozone (80 ppb) SIP (attain by 2023)
 - □ Update to 1-hour ozone SIP (attain by 2022)
 - Outlook for new annual PM2.5 standard (12 μg/m³)
- SIP submittal due July 20, 2015
- Outreach
 - □ Advisory Group meetings
 - ☐ Focus Group meetings

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