



AQMP Status

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Clean Fuels Program Advisory Group
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Cleaning The Air That We Breathe...

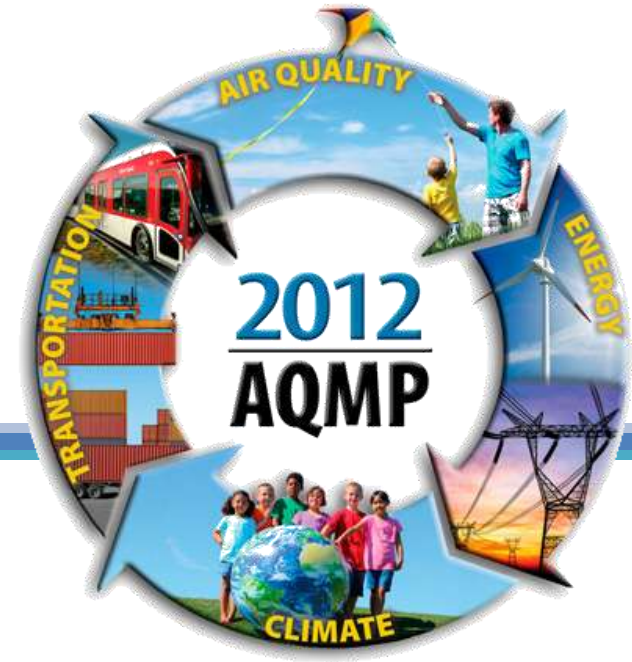
Background



- U.S EPA designated South Coast Air Basin non-attainment for 24-hour PM_{2.5} - *2009*
- 24-hour PM_{2.5} SIP due – *Dec 2012*
 - ❑ Builds upon previous plans and control programs
- 8-hour ozone SIP approved – *2012*
 - ❑ Includes over **200 tons/day NO_x reductions** to be adopted by 2020 for full implementation by 2023



2012 AQMP

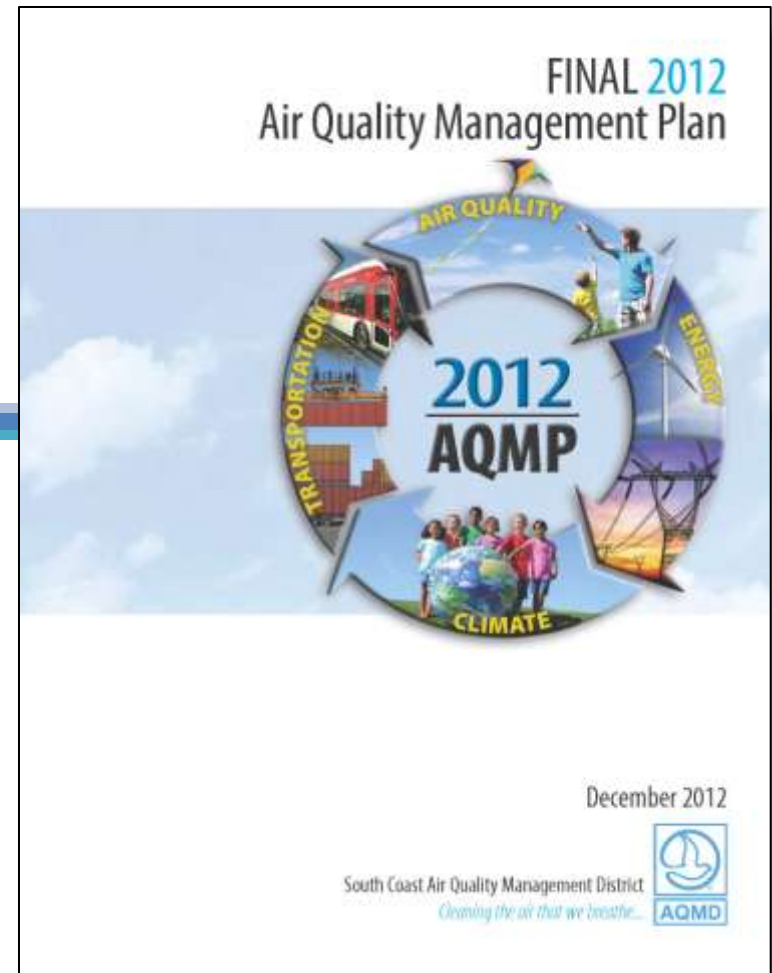


- **Scope**

- 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
- NO_x controls: RECLAIM, space heating

- **Mobile Sources:**

- Mostly incentive programs
- Port drayage trucks

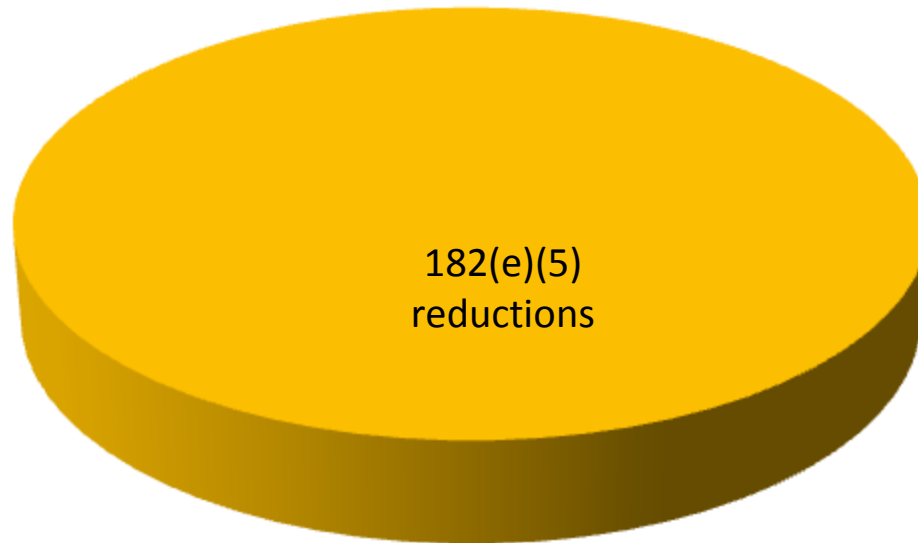
- **Total Reductions:**

- VOC: 6 tpd
- NO_x: 11 tpd



8-hr Ozone Measures (NO_x)

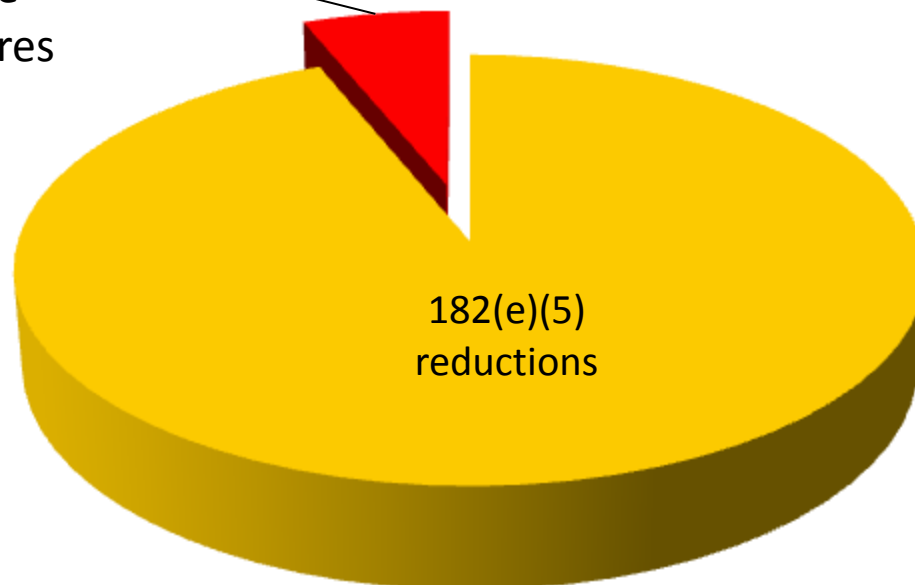
Reducing reliance on 182(e)(5) commitments in approved
2007 SIP



8-hr Ozone Measures (NOx)

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

2012 AQMP
ozone
measures
6%



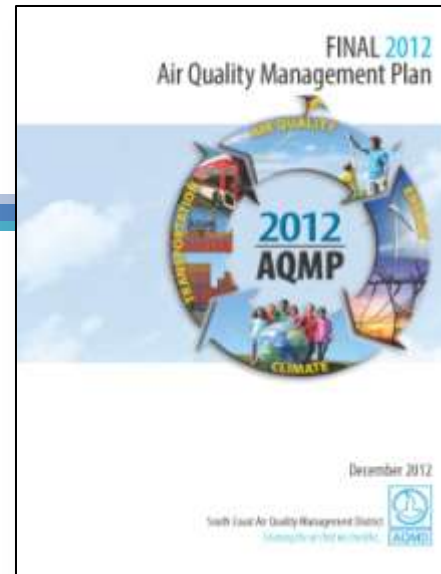
1- hr Ozone SIP Call



- 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
 - ❑ NO_x: 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**	\$10,670	42,174

* 99% of cost from implementation of TCMs

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

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

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 PM_{2.5} standard (12 $\mu\text{g}/\text{m}^3$)

- SIP submittal due July 20, 2015

- Outreach

- Advisory Group meetings
- Focus Group meetings

