



South Coast  
AQMD

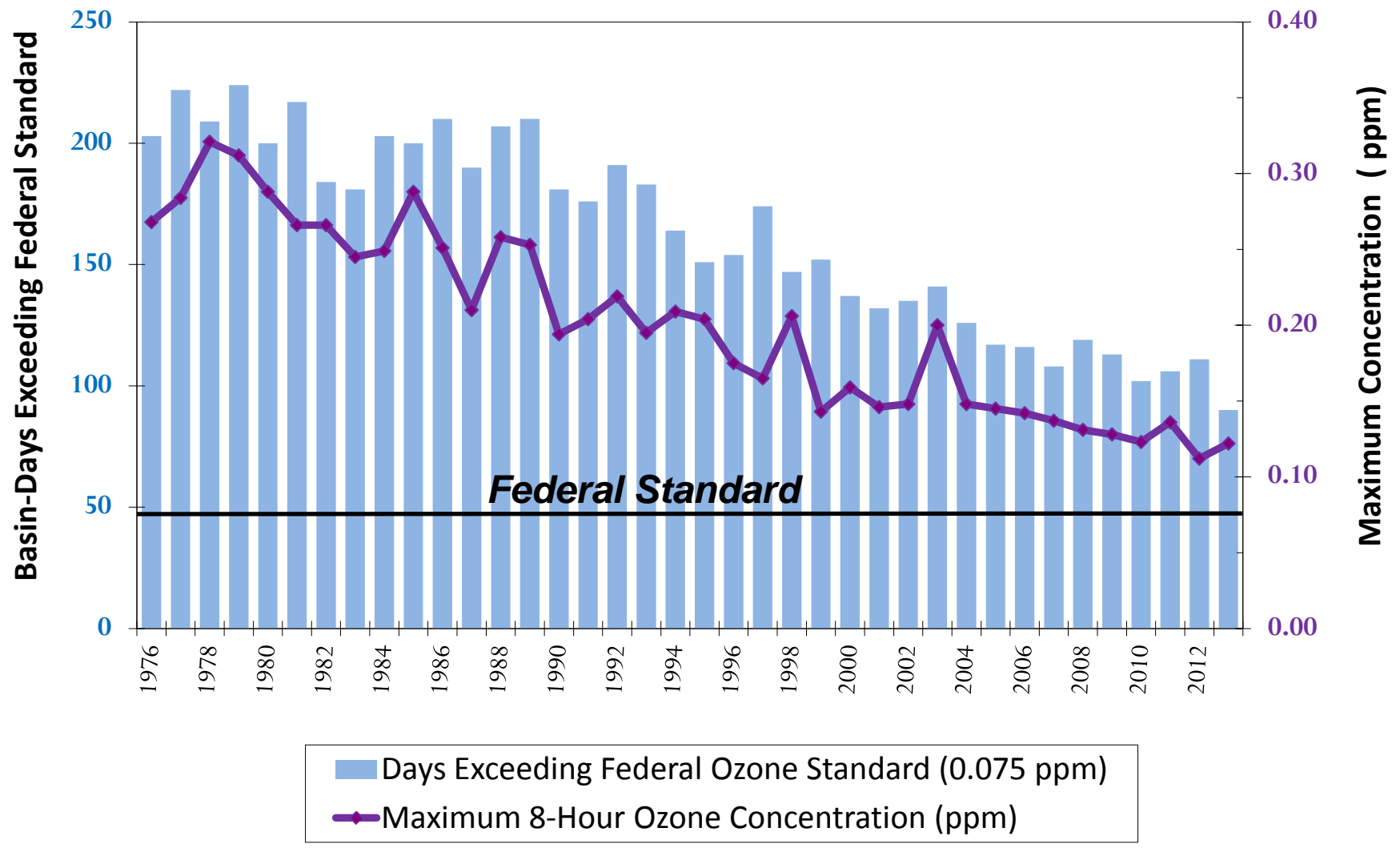
# 2016 Air Quality Management Plan Update

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**Assistant Deputy Executive Officer**  
**Planning and Rules**

**Clean Fuels Advisory Group**  
**January 29, 2015**

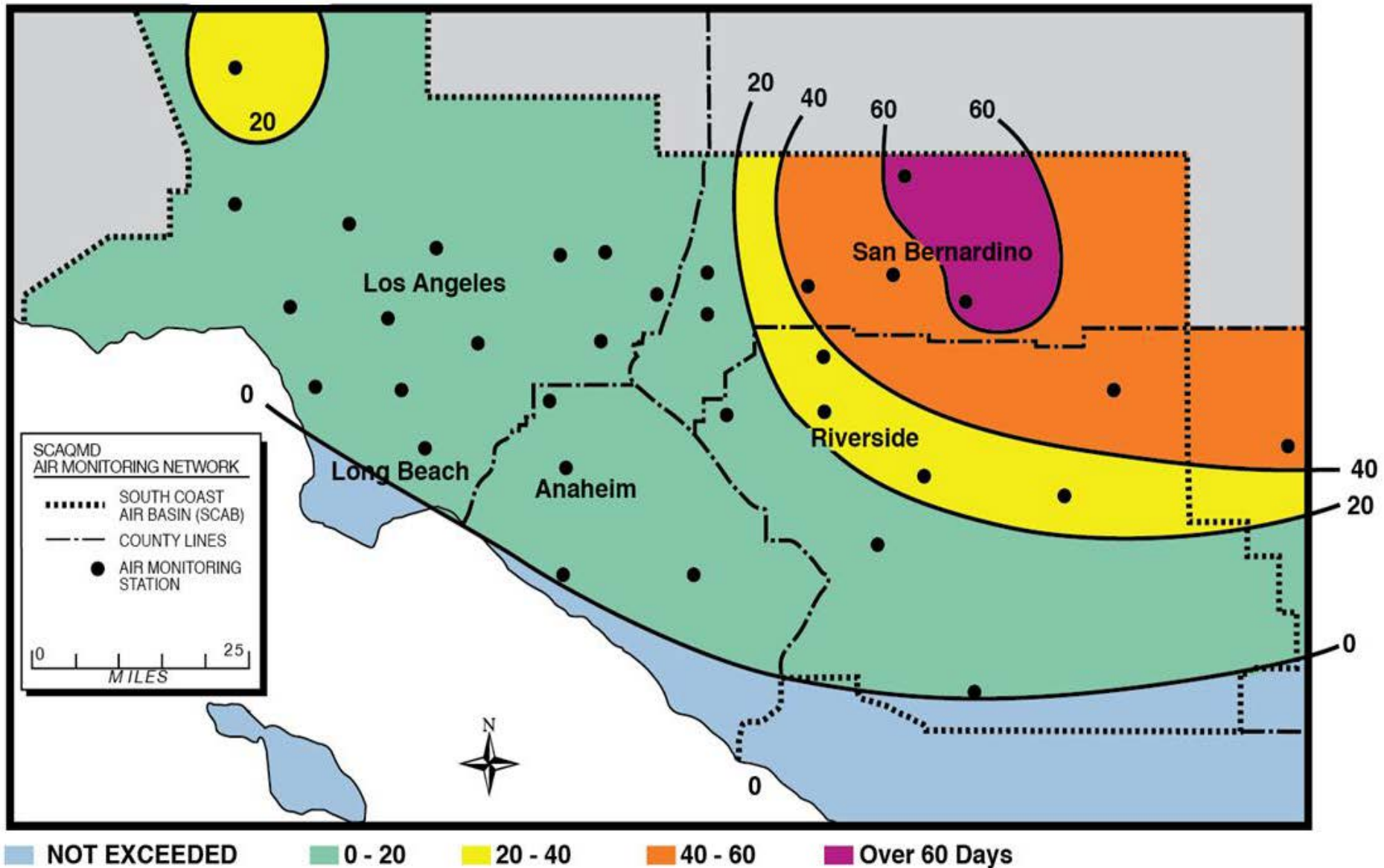
*Cleaning The Air That We Breathe...*

# South Coast Air Basin Ozone Trend

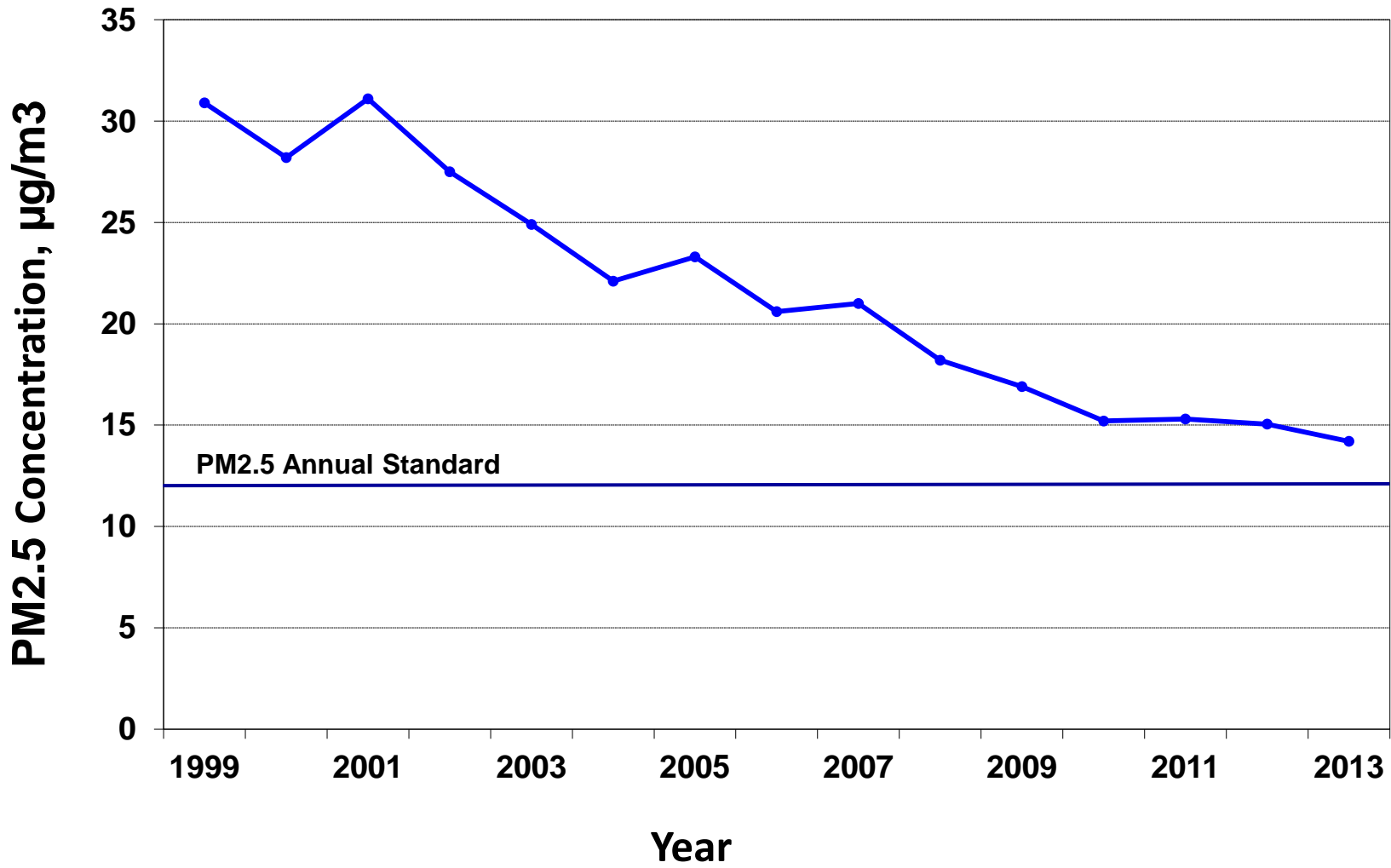


# OZONE – 2013

Number of Days Exceeding the Federal Standard  
(8-hour average > 0.075 ppm)

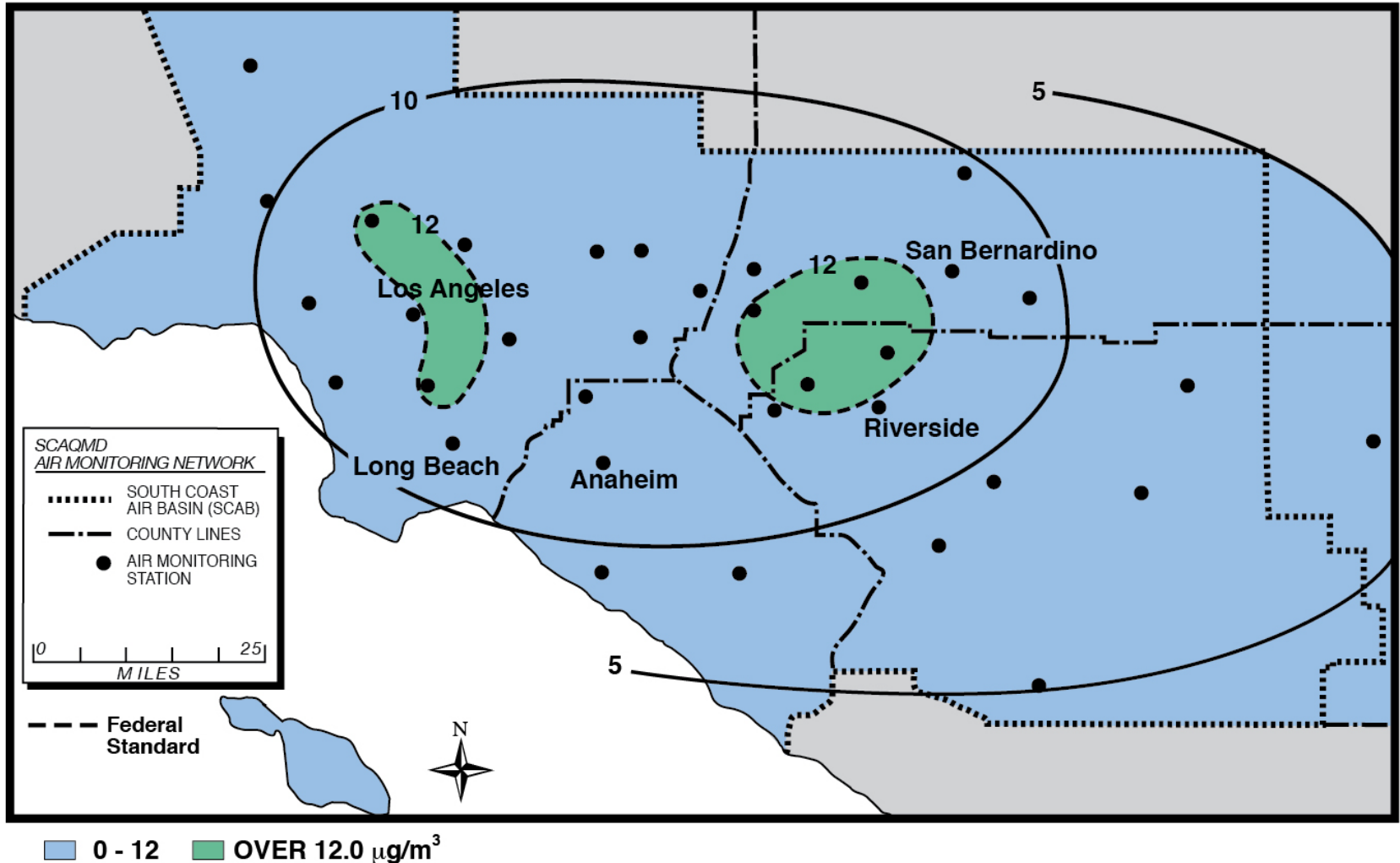


# Annual PM2.5 Air Quality Trend



# PM2.5 – 2013\*

Annual Arithmetic Mean  $\mu\text{g}/\text{m}^3$   
(Federal Standard =  $12.0 \mu\text{g}/\text{m}^3$ )



\*Based on preliminary invalidated data.

# 2016 AQMP



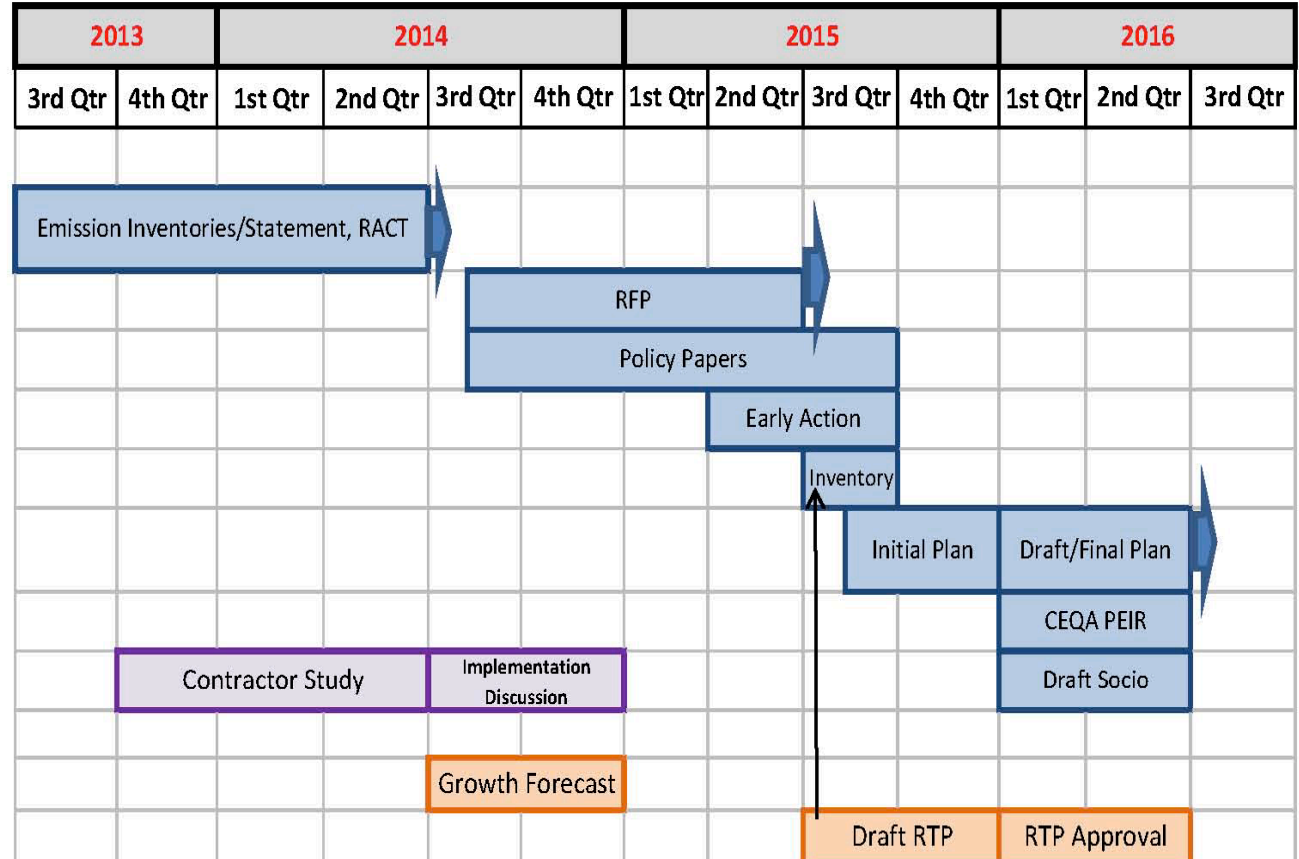
- Attainment Demonstration
  - ❑ 2008 8-hour ozone (75 ppb) SIP submittal July 2016 (*attain by 2032*)
  - ❑ 2012 annual PM<sub>2.5</sub> standard (12 µg/m<sup>3</sup>) SIP submittal 2016 (*attain by 2020-2025*)
- Additional Analysis
  - ❑ Update to previous 1997 8-hour ozone (80 ppb) SIP (*reductions by 2023*)
  - ❑ Update to 1-hour ozone SIP (*reductions by 2022*)
- Recent U.S. EPA Activity
  - ❑ Final Implementation Rule for 2008 8-hour ozone – *December 2014*
  - ❑ Final designations for 2012 annual PM<sub>2.5</sub> – *Spring 2015*
  - ❑ Subpart 4 considerations for 1997/2006 24-hour PM<sub>2.5</sub> - *ongoing*

# AQMP Timeline



## Statute Timeframe (July 20)

- Base Yr Emission Inventory, RACT/RACM Submittal
- RFP (15% VOC reduction) (75 ppb) Submittal
- Policy Discussion Papers
- Early Action Measures (1-hr O3, 80 ppb )
- Updated Inventory Projections
- Attainment Demo/RFP (additional 3% VOC reduction ) (75 ppb) Submittal
- CEQA Program EIR
- Socioeconomic Assessment
- 2016 RTP/SCS (SCAG)**
- Complete Growth Forecast
- Draft RTP/Approval



# NOx Emission Reduction Estimates for Ozone Attainment



8-hour Ozone Standard	Federal Standard Level (ppb)	Attainment Year	Estimated Carrying Capacity (tpd)	Percent Reduction of NOx Emissions from 2023 Baseline
1997	80	2023	115	<b>65</b>
2008	75	2032	80	<b>75</b>





# Public Process



- Periodic AQMP Advisory Group
  - ❑ Advise in the development of the AQMP
  - ❑ Meet quarterly in 2014
  - ❑ More frequently in 2015 and 2016
- Focus Working Groups
  - ❑ White paper development
  - ❑ Control strategy development
- Community/Environmental Justice Outreach
- Legally required regional workshops

# 2016 AQMP Advisory Group



- 56 members approved by Governing Board February 2014
  - ❑ Community/environmental groups (9): Air, Health, EJ
  - ❑ Business (26): Energy, Building/Real Estate, Shipping, Trucking, Railroads, Printing, Waste, Commerce, Petroleum
  - ❑ Academia (2): Public Health, Policy, Sustainable Communities
  - ❑ Government (19) : Air, Public Health, Energy, Ports, Aviation, Sanitation, Local Cities
- STMPR will select 3 members when meetings commence
- Three-year membership until February 2017
- Posted online: <http://www.aqmd.gov/docs/default-source/GB-Committees/aqmpadvisoryroster.pdf>

# White Papers



- Better integrated planning (air quality, climate, energy, transportation)
- Prepare a series of white papers to lay out technical and policy issues
- Topics:
  - ❑ “Preface to White Papers”
  - ❑ 21st Century Goods Movement System and Air Quality
  - ❑ Passenger Transportation
  - ❑ Energy Outlook
  - ❑ Residential and Commercial Energy Use
  - ❑ Industrial Facility Modernization
  - ❑ VOC Controls and PM Controls
  - ❑ Off-Road Equipment
  - ❑ A Business Case for Clean Air

# Process



- Close collaboration with CARB
- Close collaboration with SCAG, CTCs, and subregional COGs on transportation/land use issues
- Periodic updates to Mobile Source Committee and AQMP Advisory Group
- AQMP White Paper Working Groups
  - ❑ AQMP Advisory Group members
  - ❑ Other interested parties
  - ❑ Technology experts
  - ❑ Open to the public
- Schedule: 2014 - 2015