

# Status of 2007 AQMP

Clean Fuels Program  
Advisory Group Meeting

September 19, 2006

# 2007 AQMP Targets

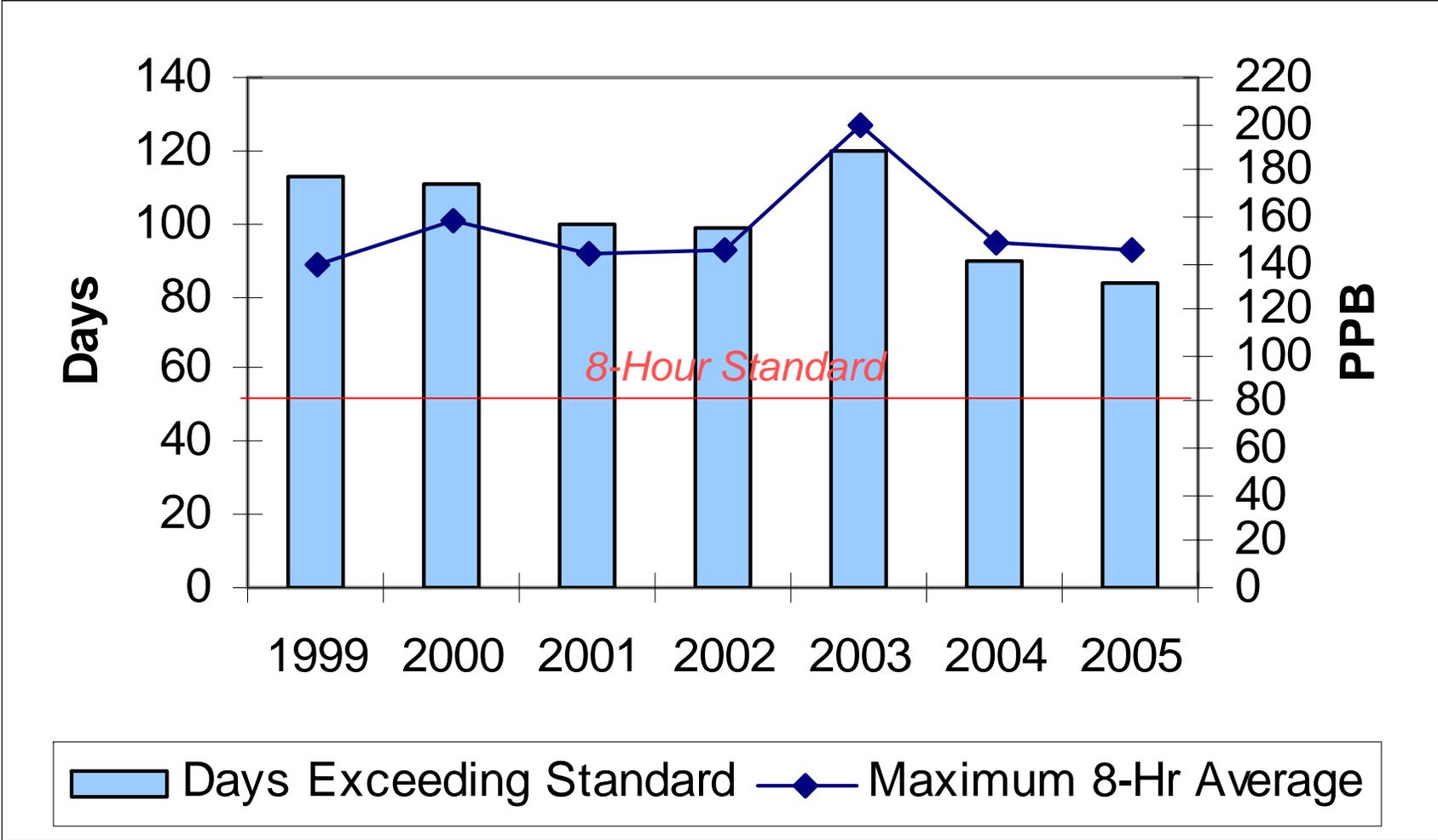
## PM2.5

- Standards
  - Annual: 15  $\mu\text{g}/\text{m}^3$
  - 24-Hrs: 65  $\mu\text{g}/\text{m}^3$
- Status
  - Non-Attainment
- Attainment Date
  - 2015
- Design: 22.7  $\mu\text{g}/\text{m}^3$

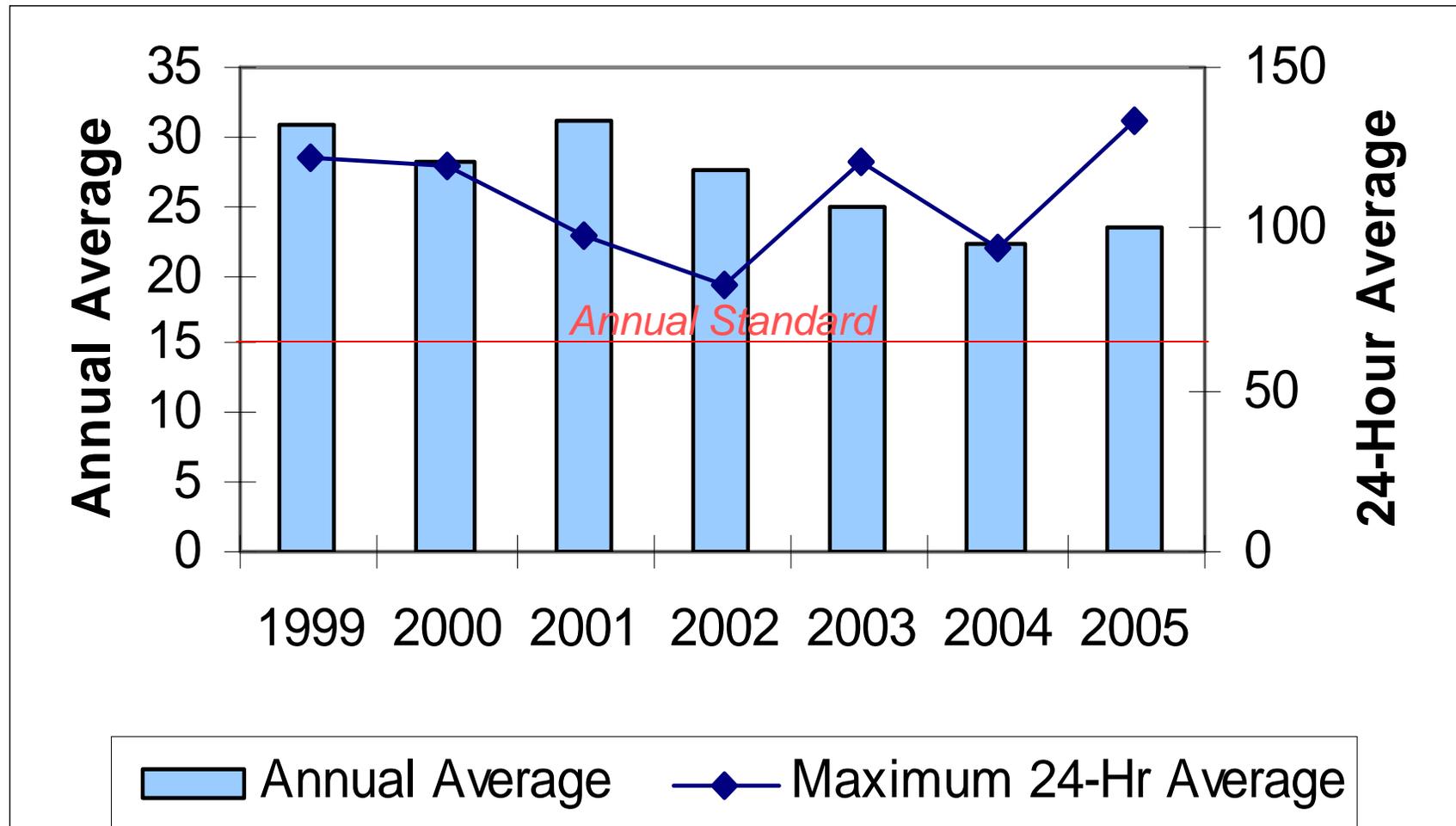
## 8-Hr Ozone

- Standard
  - 0.08 ppm
- Status
  - Severe - 17
- Attainment Date
  - 2021
- Design: 131 PPB

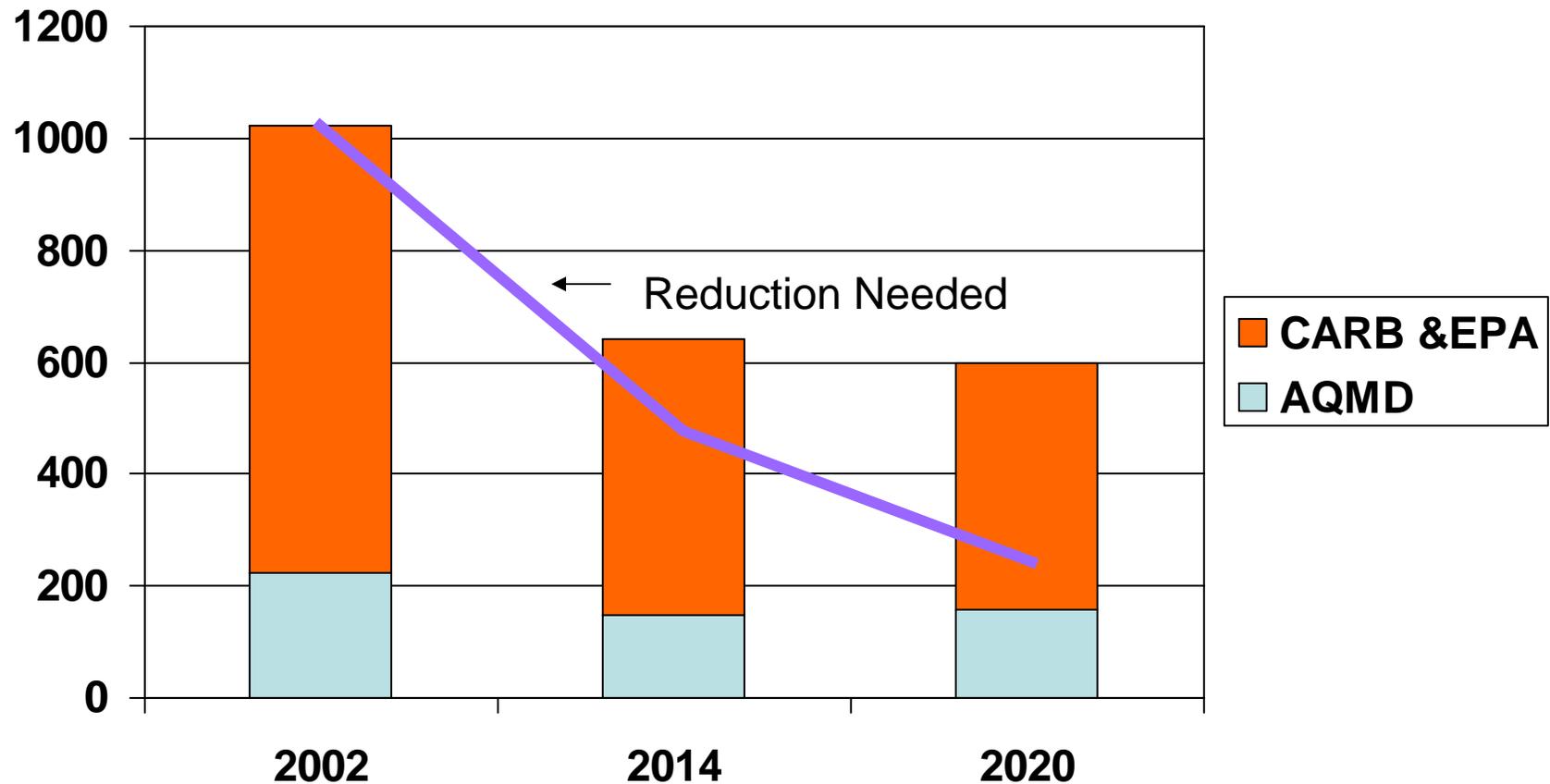
# Trend of Basin 8-Hour Ozone



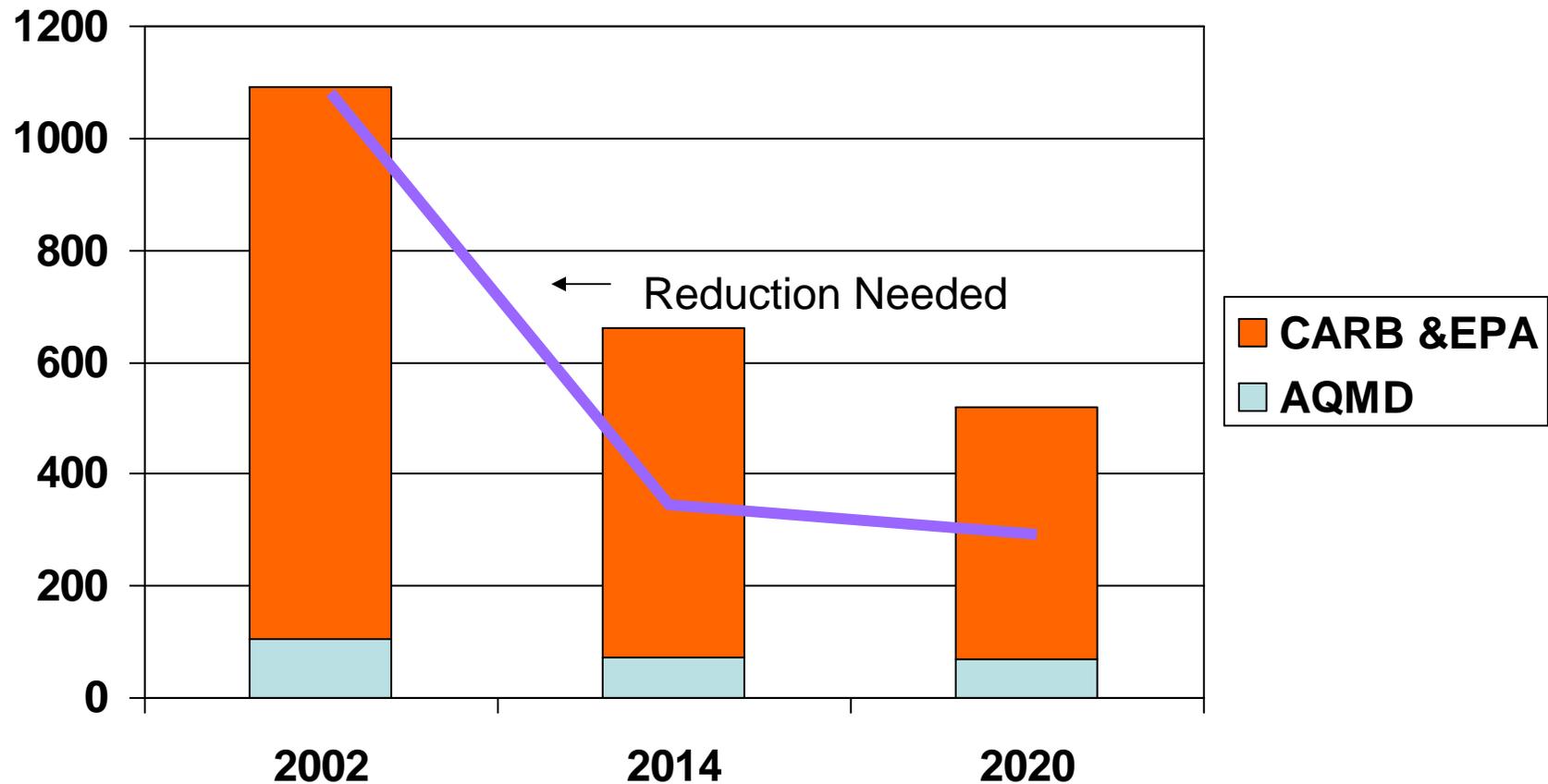
# Trend of Basin PM2.5 (ug/m3)



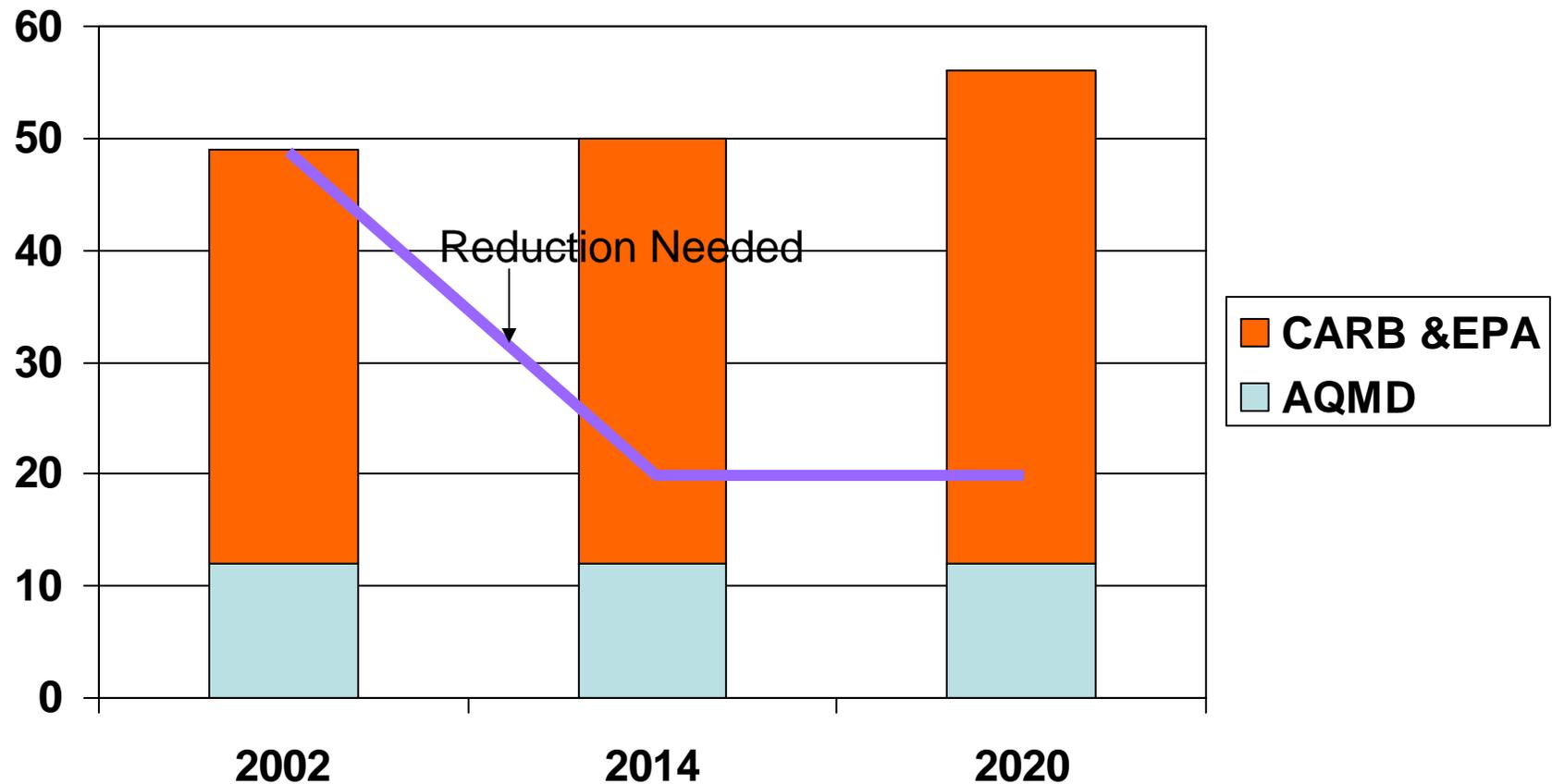
# Baseline VOC Emissions & the Reduction Needed To Attain the PM2.5 & Ozone Standards



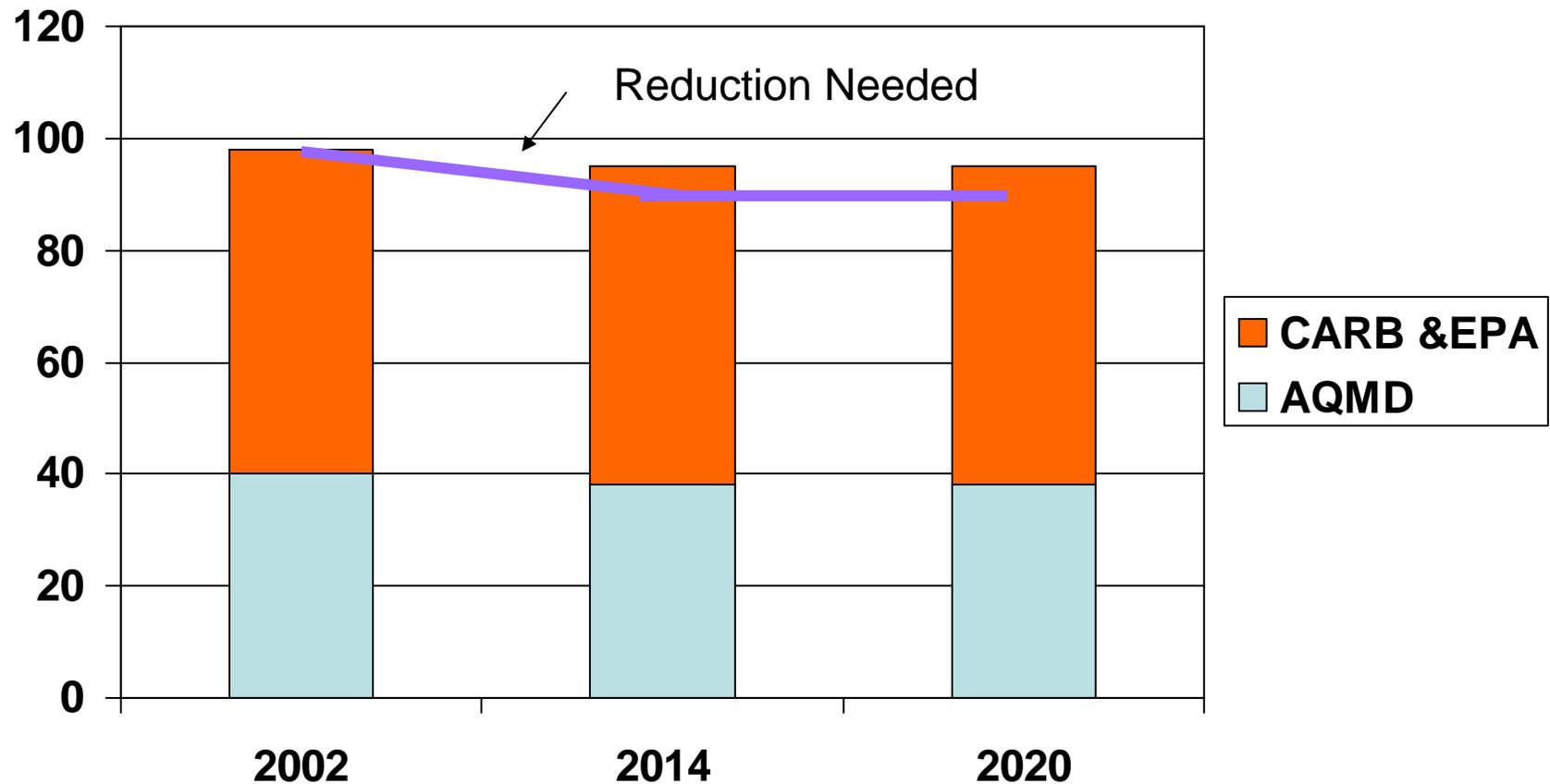
# Baseline NOx Emissions & the Reduction Needed To Attain the PM2.5 & Ozone Standards



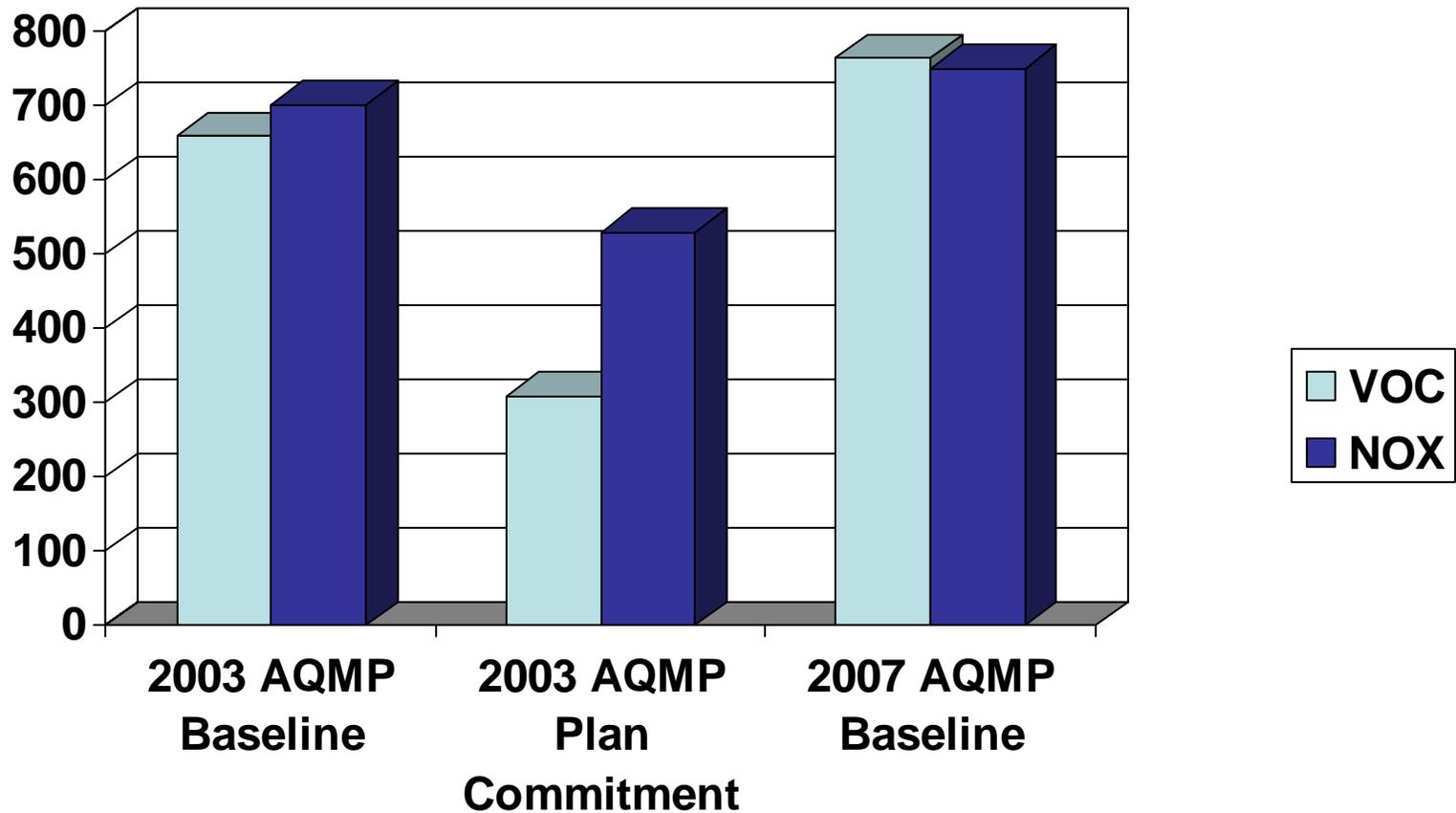
# Baseline SOx Emissions & the Reduction Needed To Attain the PM2.5 & Ozone Standards



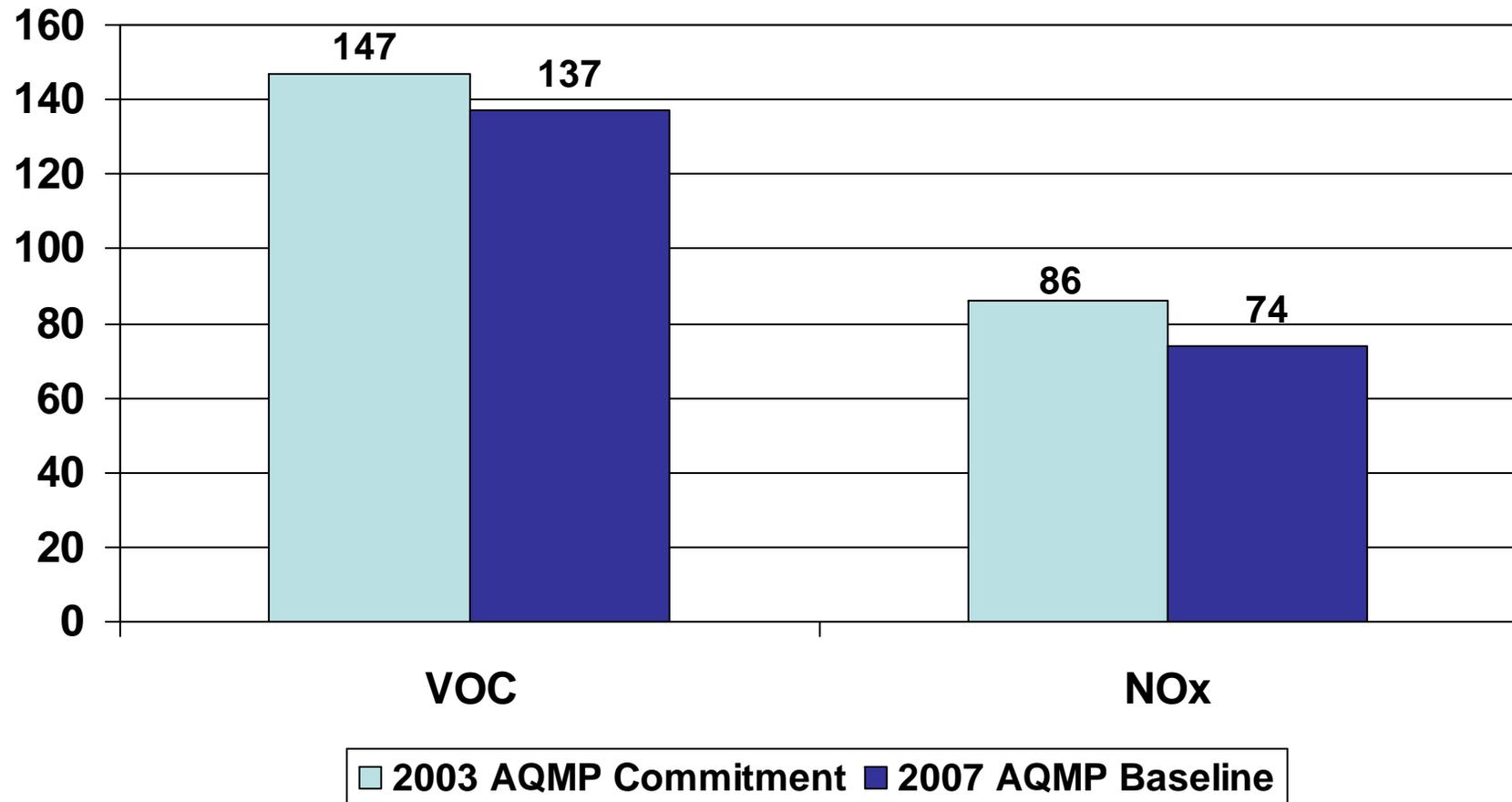
# Baseline PM2.5 Emissions & the Reduction Needed To Attain the PM2.5 & Ozone Standards



# Comparison of 2010 Inventories Between the 2003 & 2007 AQMP



# AQMD 2003 AQMP Progress 2010 (TPD)



# District's Strategy Approach

- Facility Modernization
- Energy Efficiency/Conservation/Global Warming
- Good Management Practices
- Market Incentive Programs
- Area Source Programs
- Emission Growth Management

# Current Estimates of Reduction Potential

- VOC:
  - 5 -10 tpd by 2014
  - 15 - 20 tpd by 2020
- NO<sub>x</sub>:
  - 5 -10 tpd by 2014
  - 10 -15 tpd by 2020
- SO<sub>x</sub>:
  - 3 - 5 tpd by 2014
- Additional Reductions Needed

# CARB's Strategy

- CARB is continuing to craft its strategy
- Targeted areas for reductions
  - Goods movement
  - Cleaner vehicles
  - Consumer products
  - Off road equipment
- Estimates of 2014 Reduction Potential:  
VOC ~ 60 TPD    NOX ~ 150 TPD
- Additional Reductions Needed

# Estimated Preliminary PM2.5 Carrying Capacity

| Emissions | Percentage Reduction Window Beyond 2014 Base | Approximate Carrying Capacity (TPD) |
|-----------|--|-------------------------------------|
| NOx       | ~ 55 ± 10 %                                  | 300                                 |
| SOx       | ~ 60 ± 10 %                                  | 47                                  |
| VOC       | ~ 10%  | 500                                 |
| PM2.5     | ~ 5%   | 90                                  |

# Estimated Preliminary Ozone Carrying Capacity Range

- Early estimates ~ 50% VOX & NOx beyond the 2020 base (< 500 TPD)
- Using the preliminary PM2.5 carrying capacity to establish a starting point for emissions reductions
- Develop a range of carrying capacity estimates for the Preliminary Draft Plan

# Schedule

- Release Preliminary Draft early October
- CARB Air Quality Symposium on October 12<sup>th</sup> in Sacramento – highlight their state-wide strategy
- Workshop the Preliminary Draft Plan & make refinements
- Issue revised Draft Plan in January
- Public Hearing late winter