

Comprehensive Air Quality Management Plans – An Innovative Approach to Air Quality Management

**AWMA Environmental Conference
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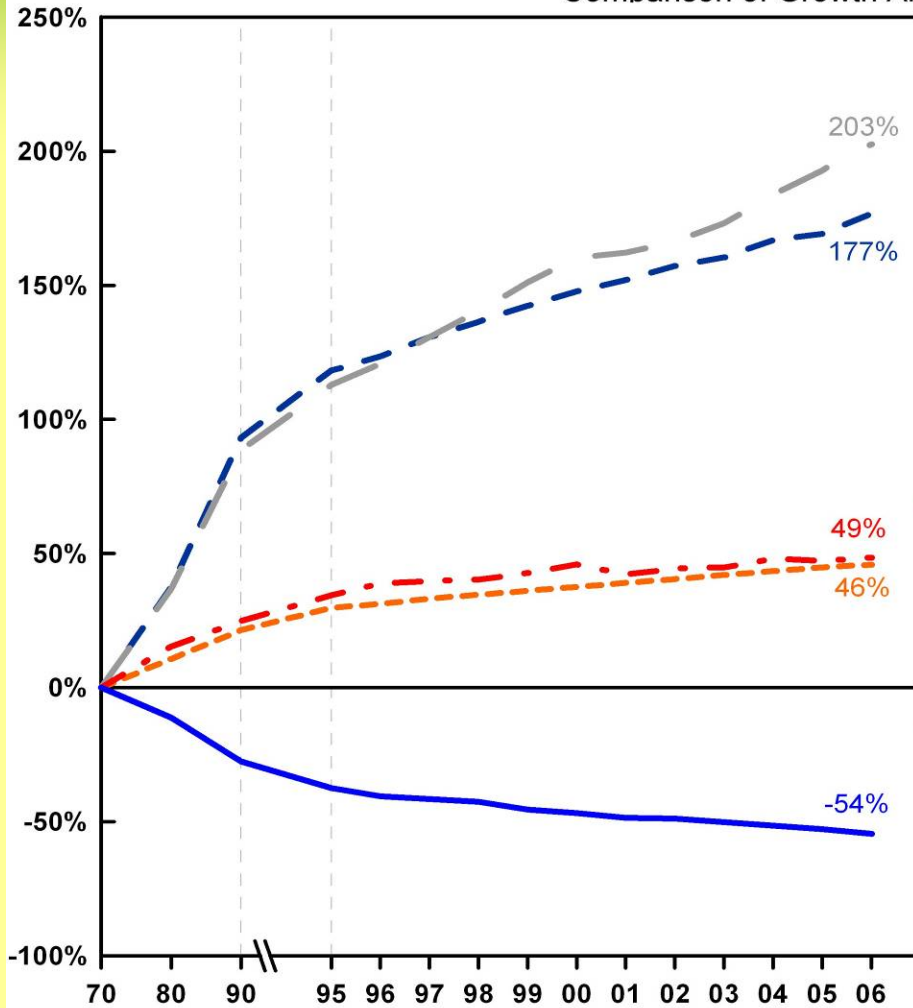
Region 7

Overview

- ❑ Success of air pollution management since 1970
- ❑ 2004 National Research Council Report
- ❑ EPA's Response to NRC = Introduction to the Air Quality Management Plan



Comparison of Growth Areas and Emissions



Gross Domestic Product



Vehicle Miles Traveled



Energy Consumption



Population



Aggregate Emissions
(Six Principal Pollutants)



2004 Report on Air Quality Management (AQM)

- Developed by National Research Council (NRC) in response to a congressional request for an independent review of the overall effectiveness of the CAA.
- NRC was asked to develop scientific and technical recommendations for strengthening the AQM system in the US.
- Over a 2-year period, NRC examined operations, successes and limitations of current AQM system.



NRC's "Challenges Ahead"

- Meeting new standards for ozone, particulate matter and regional haze
- Understanding and addressing health risks from exposure to air toxics
- Air pollution and environmental justice
- Protecting ecosystems
- Understanding and addressing multistate and international transport of pollutants
- Adapting management system to climate change



NRC's Recommended Changes

- Strengthen scientific and technical capacity
- Expand national and multi-state control strategies
- Transform the SIP process
- **Develop integrated program for criteria and HAPs**
- Enhance protection of ecosystems and other public welfare



CAAC & EPA's Response

- Clean Air Act Advisory Committee's 38 recommendations
 - consider multipollutant impacts for upcoming SIPs, i.e. “maximize benefits from controlling key air toxics as well as ozone, PM2.5, and regional haze”
- EPA commissions “Detroit Study” and AQMP pilots for New York, North Carolina, and St. Louis, MO/IL



Ongoing NAAQS Reviews: Schedules as of 7/1/08

MILESTONE	POLLUTANT						
	Ozone	Lead	NO ₂ Primary	SO ₂ Primary	NO ₂ /SO ₂ Secondary	PM	CO
NPR	<u>Jun 20, 2007</u>	<u>May 1, 2008</u>	<u>May 28, 2009</u>	<u>Jul 30, 2009</u>	<u>Feb 12, 2010</u>	Jan 2011	Oct 2011
NFR	<u>Mar 12, 2008</u>	<u>Oct 15, 2008</u>	<u>Dec 18, 2009</u>	<u>Mar 2, 2010</u>	<u>Oct 19, 2010</u>	Oct 2011	Jul 2012

Note: Underlined dates indicate court-ordered or settlement agreement deadlines.



Questions

- AQMP EPA Website

 - <http://www.epa.gov/air/aqmp/>
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