



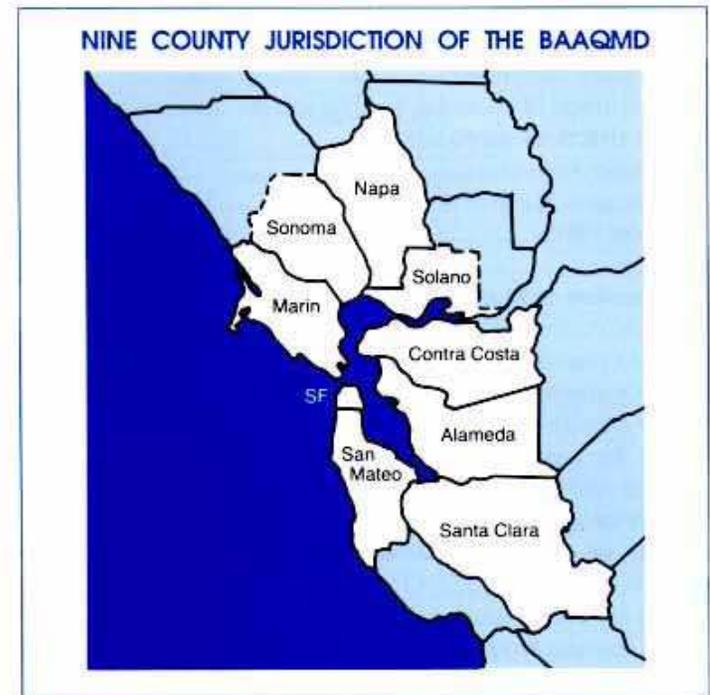
Bay Area AQMD Climate Protection Program

California Air Resources Board
April 24, 2008

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Deputy Air Pollution Control Officer
Bay Area Air Quality Management District

Bay Area Air District Overview

- Jurisdiction over air quality in 9 Bay Area counties, including 101 cities
- Governed by a 22-member Board of Directors composed of elected officials from each county
- Total Bay Area population over 7 million
- Approximately 170 million vehicle miles traveled per day



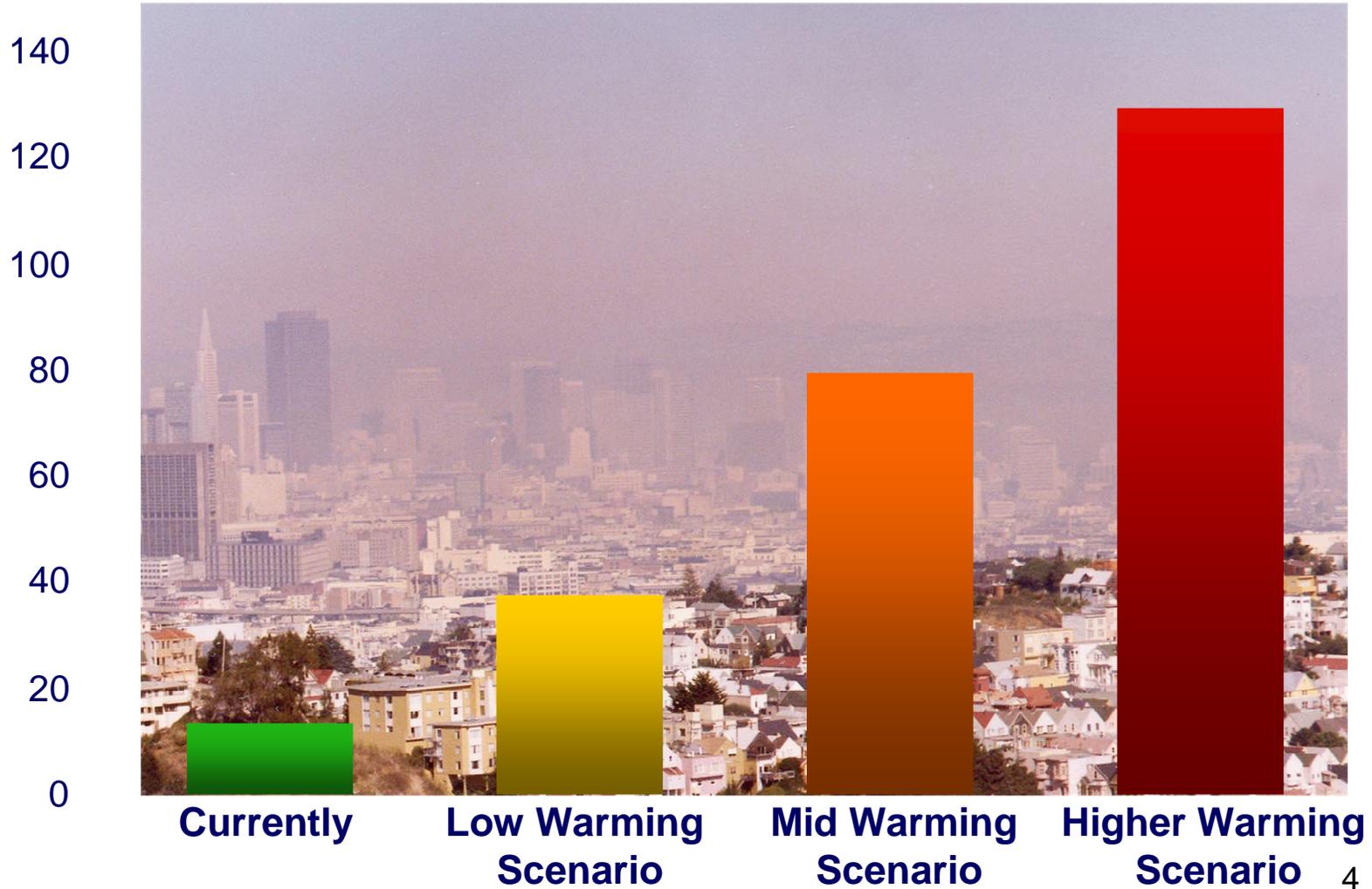
Why an Air District Climate Program?

Bay Area AQMD Board of Directors established the Climate Protection Program on June 1, 2005.

- Regional leadership and action needed on a critical environmental issue.
- Higher temperatures will increase emissions, eroding air quality improvements and harming public health.
- Air District programs provide co-benefits of GHG, criteria, and toxic air pollutant reductions.

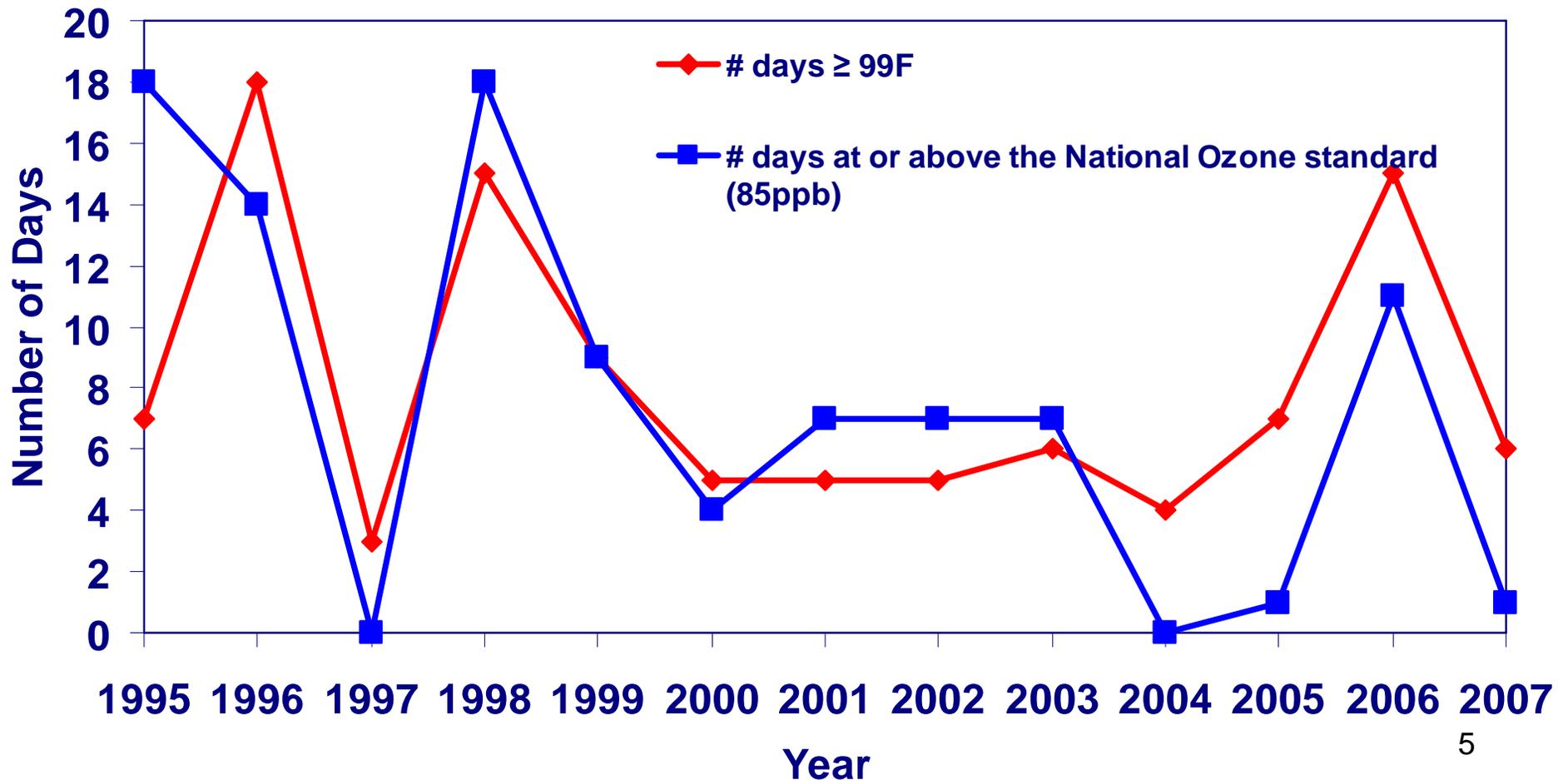
Climate Change Increase in Extreme Heat

Number of Extreme Heat days per Year
San Francisco Bay Area, 2070-2099



Bay Area Ozone and Maximum Temp Trends

Days at or above 99° F and Days Exceeding National 8hr Ozone Standard



Climate Change Projected Impacts in Bay Area

- Air quality is not the only reason for climate protection actions
 - Decreased snowpack
 - Increased wildfires
- One meter sea level rise in San Francisco Bay will adversely impact:
 - Airports
 - Freeways
 - Waste water treatment and other public facilities
 - Existing residential, commercial, and industrial areas



BAAQMD Climate Protection Program Highlights

- June 2005: Establish Climate Protection Program
- December 2005: Create Ad- Hoc Directors Committee on Climate Protection
- November 2006: Host Bay Area Climate Protection Summit
- November 2006: Publish First Regional GHG Inventory
- January 2007: Create Standing Directors Committee on Climate Protection
- March 2007: Publish Study on GHG Mitigation for Stationary Sources
- May 2007: District goes Carbon Neutral
- September 2007: Host first Local Government inventory session
- October 2007: Launch 4th/5th Grade Climate Protection Curriculum Pilot
- December 2007: Award \$3M in Climate Protection Grants
- January 2008: Lead development of CAPCOA CEQA White Paper
- April 2008: Receive EPA Region 9 Award for Climate Grant Program

Climate Protection Program Approach

- **Integrate**
 - Regional GHG Inventory
 - Stationary source opportunities
 - CEQA process
- **Collaborate**
 - ARB and other State agencies
 - CAPCOA Climate Protection Committee
 - Joint Policy Committee (ABAG, MTC, BCDC, BAAQMD)
- **Educate and Catalyze**
 - Grant Program
 - Local Government Assistance
 - “Protect Your Climate” 4th/5th Grade Curriculum Program
 - Public Outreach

Integrate



Regional Greenhouse Gas Inventory

- Total 85.4 Million Metric Tons of GHG
- Update to 2005 base year



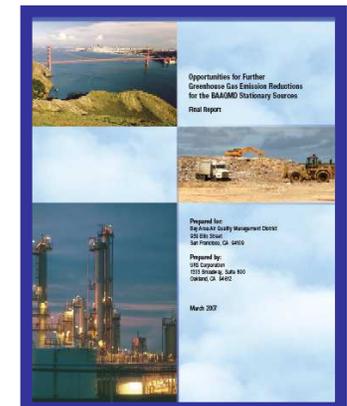
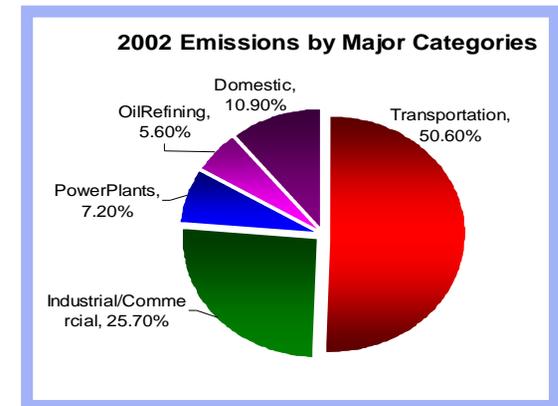
GHG Mitigation Study

- Phase I, opportunities for GHG reductions at stationary sources
- Phase II, landfills, boilers, process heaters, steam generators



Regulations

- GHG reductions as existing rules are amended, e.g. Reg. 9-7: Boilers, Process Heaters, and Steam Generators



Integrate Cont'd...



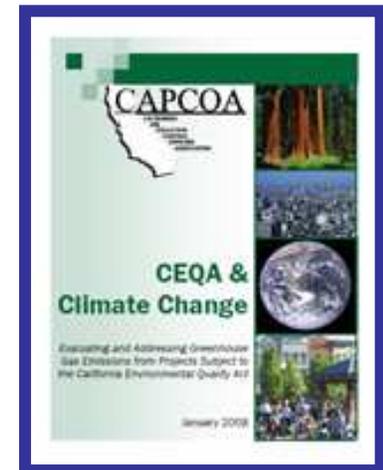
CEQA White Paper

- Led CAPCOA team to develop White Paper
- Resource for addressing GHGs in CEQA documents



Update District CEQA Guidelines to Address GHG

- Developing guidance to Bay Area lead agencies
- CAPCOA CEQA White paper as starting point



Collaborate



ARB and Other State Agencies

- Technical workgroups for AB32
- Local Government Protocol workgroup



CAPCOA

- Climate Protection Committee
- White Paper development
- Coordination with ARB



Joint Policy Committee

- MTC, ABAG, BCDC, BAAQMD
- Bay Area Regional Climate Protection Program
- Land use/Transportation/Climate Change

Educate & Catalyze



\$3 Million in Grants Awarded

- 53 grants awarded throughout 9 counties
- Innovative and self-sustaining concepts
- Local governments, non-profit organizations
- Climate Action Planning, General Plan updates, Municipal Energy Officers, Youth outreach



Local Government Assistance

- Workshops for local government staff on community-wide inventory development
- Data Partnership with PG&E, MTC, and ICLEI
- Best Practice Internet Portal partnership with Institute for Local Government for launch in early 2009

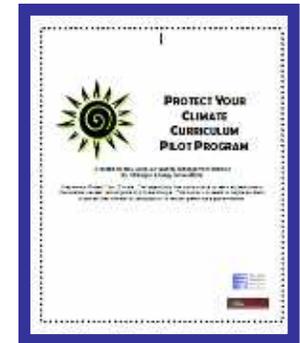


Educate & Catalyze Cont'd...



4th and 5th Grade Curriculum

- 16 science-based lessons
- Teacher training and materials tool kit
- 2007-2008 Pilot in 13 classrooms in 5 counties
- 2008-2009 Expand to 40 classrooms in 9 counties



Public Education

- Incorporating climate protection message into Spare the Air campaign
- Exploring education partnerships with regional agencies and other organizations



Contact

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