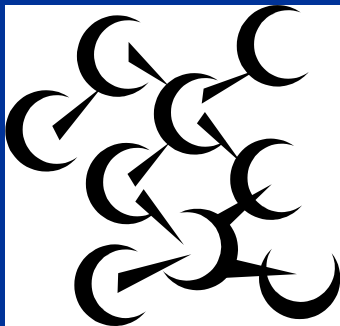


Continued Air Quality Progress: Proposed Plan to Reduce Fine Particles



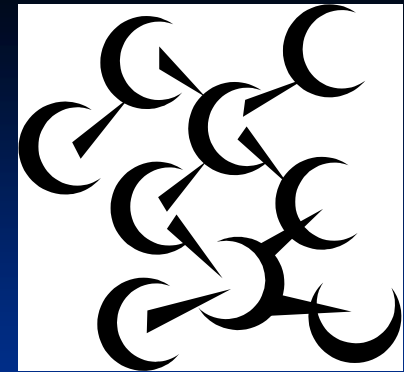
COG Board of Directors

Dave Snyder, Chair

Metropolitan Washington Air Quality Committee

January 9, 2008

Outline

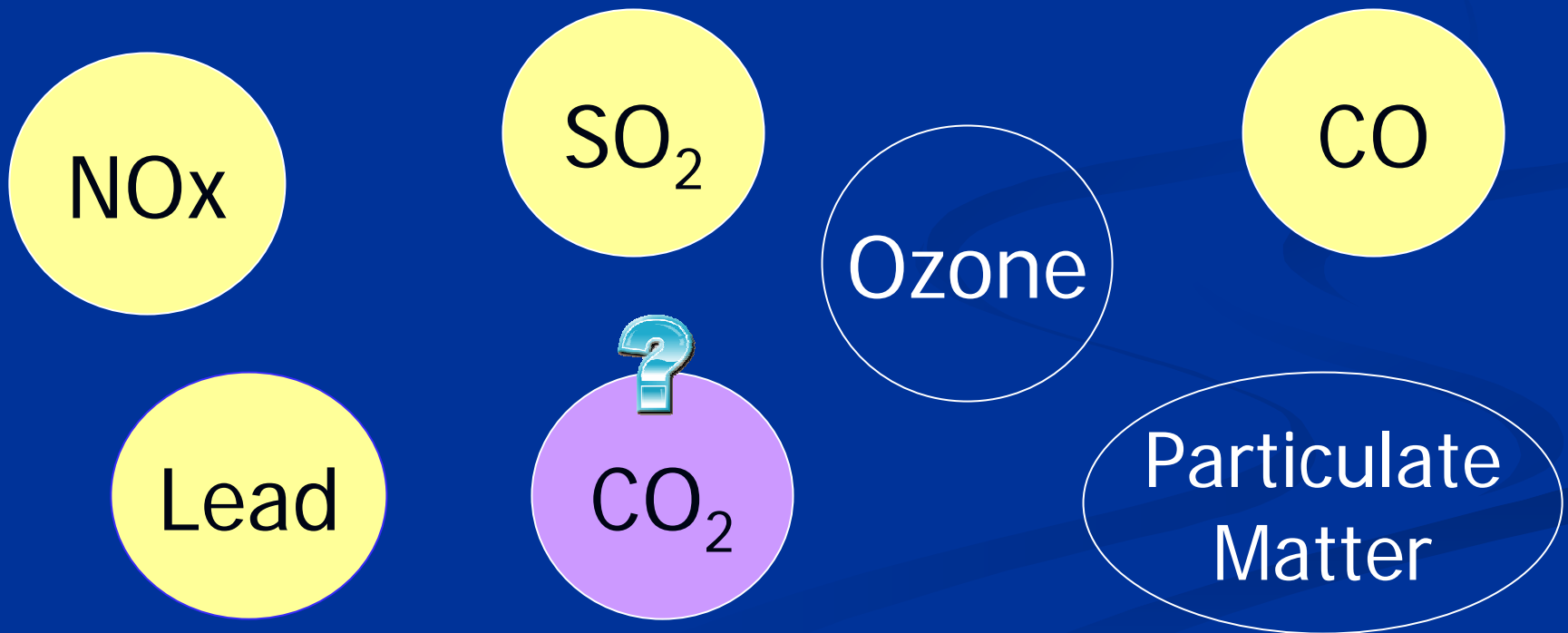


- Regional Air Quality Progress
- Proposed Fine Particle Plan



Clean Air Act Amendments 1990

EPA set federal health standards for ambient pollutants



Progress in Cleaning Up Our Region's Air

- Ground-level ozone
 - Meet 1-hour ozone standard
 - Plan adopted to meet 8-hour ozone standard
 - Fewer days, fewer stations, fewer hours of exceedances
- Particles
 - Meet federal standard for large particles
 - Plan proposed for small particles



AIR QUALITY INDEX

AQI Range	AQI Color
201-300	Purple
151-200	Red
101-150	Orange
51-100	Yellow
0-50	Green

Federal Health
Standard



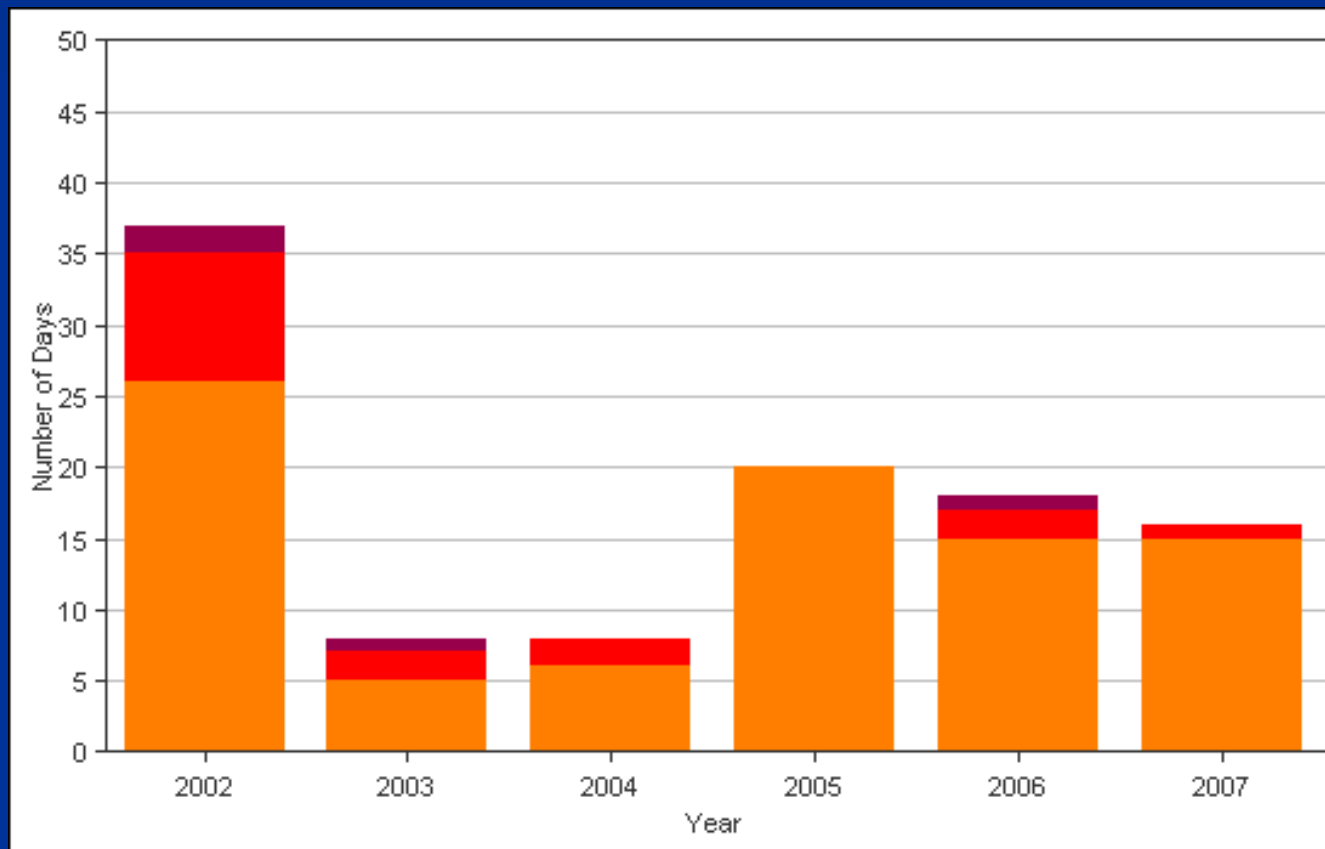
100





Ozone: How are we doing?

Number of Unhealthy Ozone Days (2002 – 2007)



Based on the 8-hr ozone standard (Code Orange = Standard (85 ppb))

Fine Particle Pollution

Wood-Burning Stoves



Power Plants



Heavy Duty Diesel Engines



Natural Sources



**Fine Particles Can Be
Emitted Directly or Formed
in the Air from Gases**

Cars and Trucks



Non-Road Vehicles



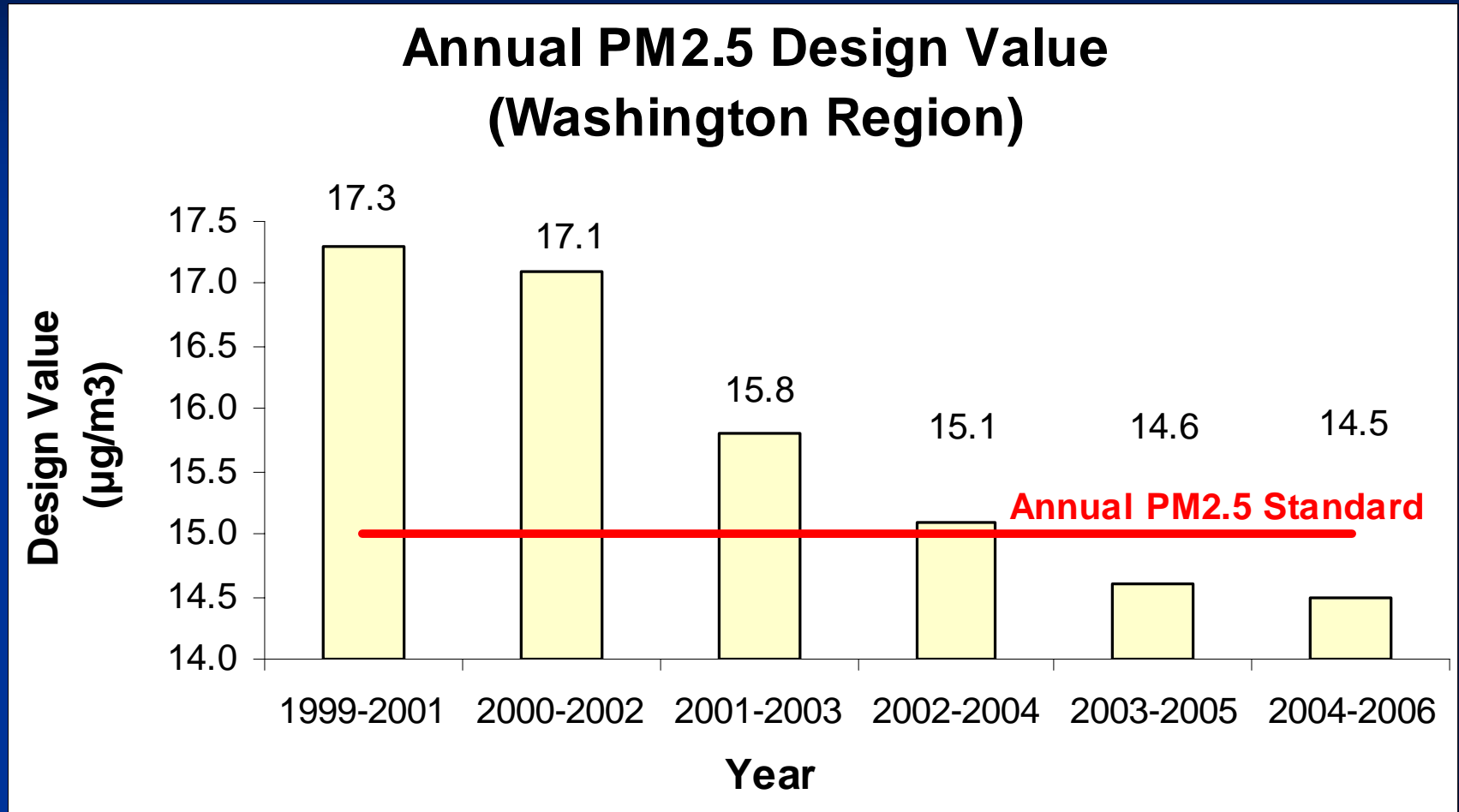
Forest Fires



Industrial Sources



Annual PM2.5 Standard: 15 $\mu\text{g}/\text{m}^3$



Plan to Reduce Fine Particles

- **Power Plants**

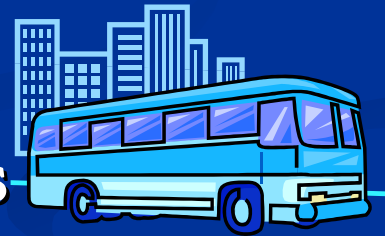
- New controls on power plants to reduce nitrogen oxides by 2009 and sulfur levels by 2010

- **Cleaner locomotives**

- **Cleaner heavy duty trucks and buses**

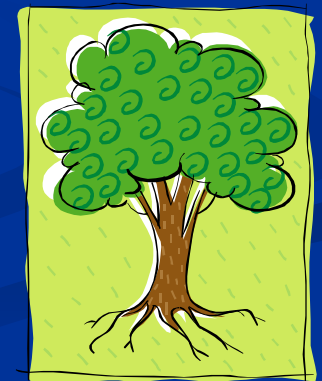
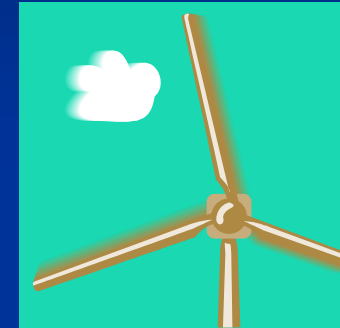
- **Cleaner (low sulfur) diesel fuel**

- **Cleaner (low sulfur) gasoline**



Local Government Measures to Reduce Fine Particles

- Telecommuting Initiative
- Tree Canopy Programs
- Wind Energy Purchases
- Energy Efficiency in buildings
- LED Traffic Signal Retrofits
- Renewable Portfolio Standards



Schedule to Adopt Plan

- Dec. 21: 30-day public comment period
- PUBLIC HEARINGS:
 - January 29, 7 pm Falls Church, VA at George Mason H.S.
 - January 30, 6 pm MNPPC, Silver Spring, MD
 - February 11, 6 pm DC Dept. of Environment, 51 N St., NE, 6th floor
- March 6: MWAQC adopts plan

