

# Ohio SIPs and Redesignations

Regional AQ Workshop

October 10, 2007

# Overview

- Ozone SIPs
- PM2.5
- Redesignations
- Regional Haze, BART

# Ozone SIPs

- Cleveland 2002 Base Interim SIP; Will follow up with 2005 Base M work
- Cincinnati 2005 Base K/M SIP
- Both submitted prior to June 15, 2007
- Columbus ???
- Cincinnati and Columbus are currently Subpart 1 Basic areas. What will change?

# Strategies

- CAIR
- NOx and VOC RACT
- AIM and Consumer Products
- E-Check replacement in Cincinnati (7.8 rvp, HVLP auto repaint and Cold cleaner degreasers)

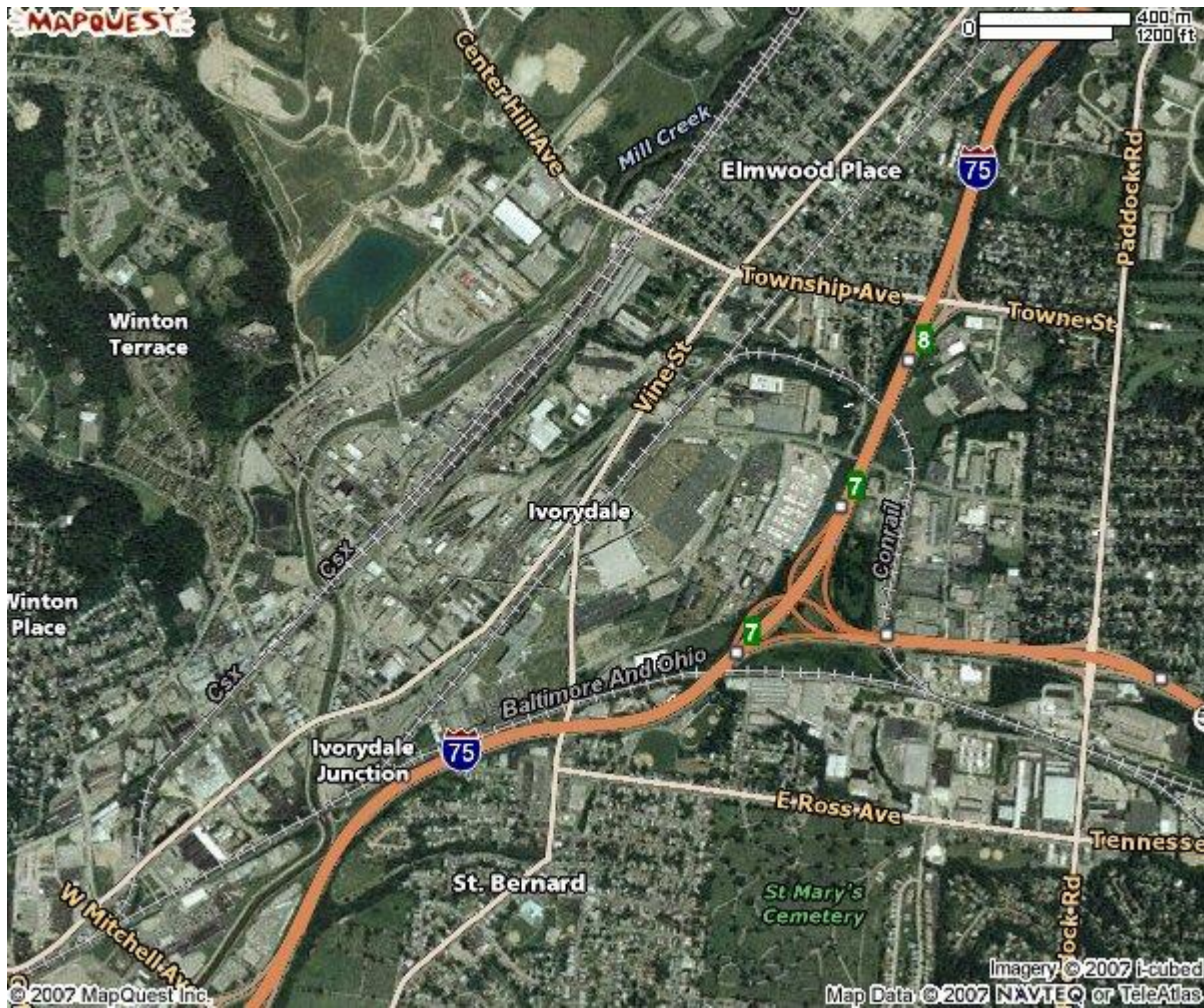
# PM 2.5 SIPs

- Base K results indicated attainment in all areas but core areas of Cleveland, Cincinnati and Steubenville
- Local area inventories being prepared for AERMOD analyses
- Each area is unique

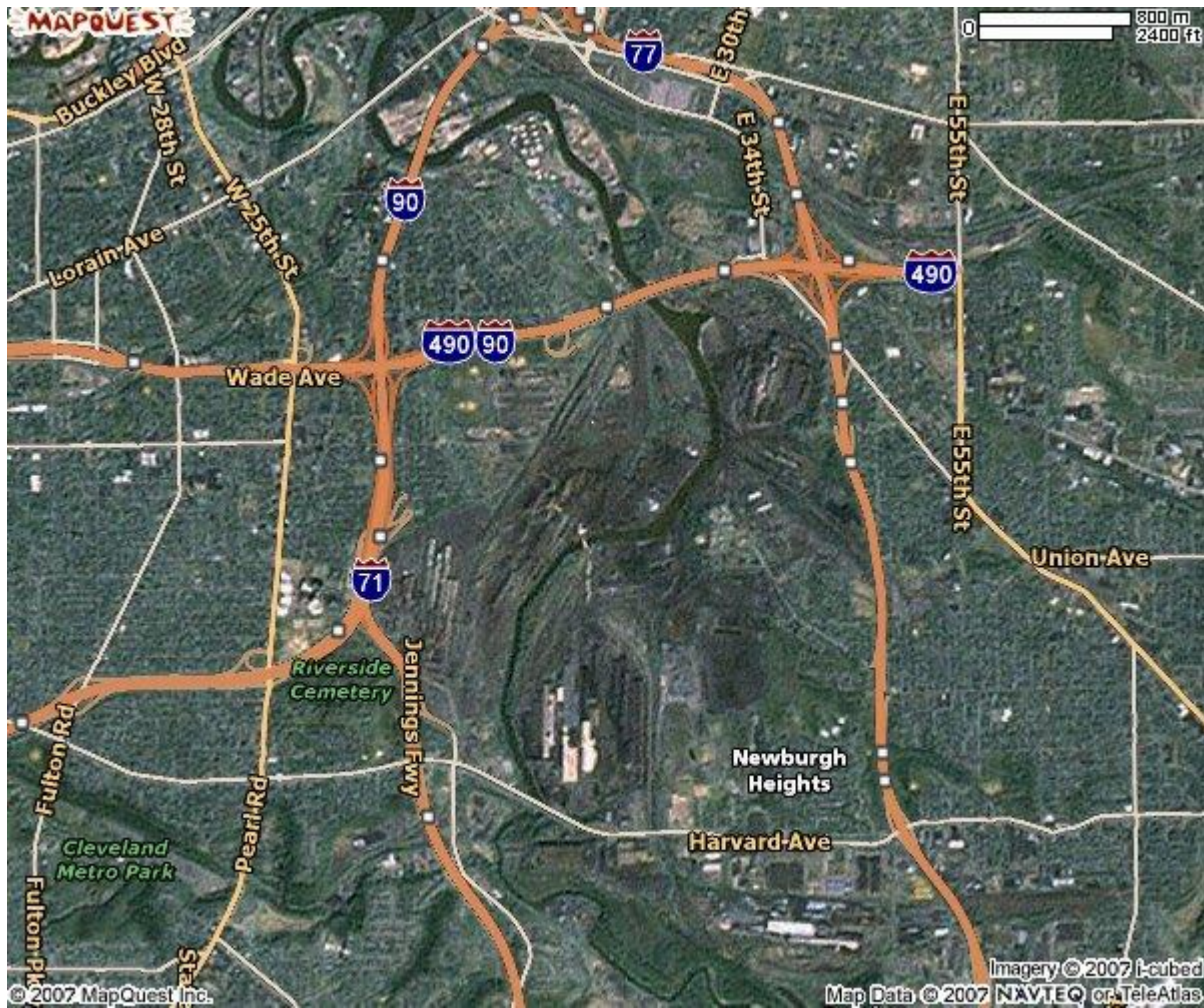
# PM 2.5 (cont)

- Cleveland is both Industrial with significant steel plus high population and congested roadways
- Cincinnati area is in industrial (non-steel) high traffic corridor
- Steubenville is steel and related (rail) sources









# PM 2.5 Strategies

- CAIR
- PM,NOx and SO2 RACT ???
- Local area controls

# Local area PM2.5 controls

- Strategies not currently in regional modeling
- Local major point sources
- Congested roadways
- Diesel fleets
- Restaurants (California)
- Other nearby or regional small sources

# Designations

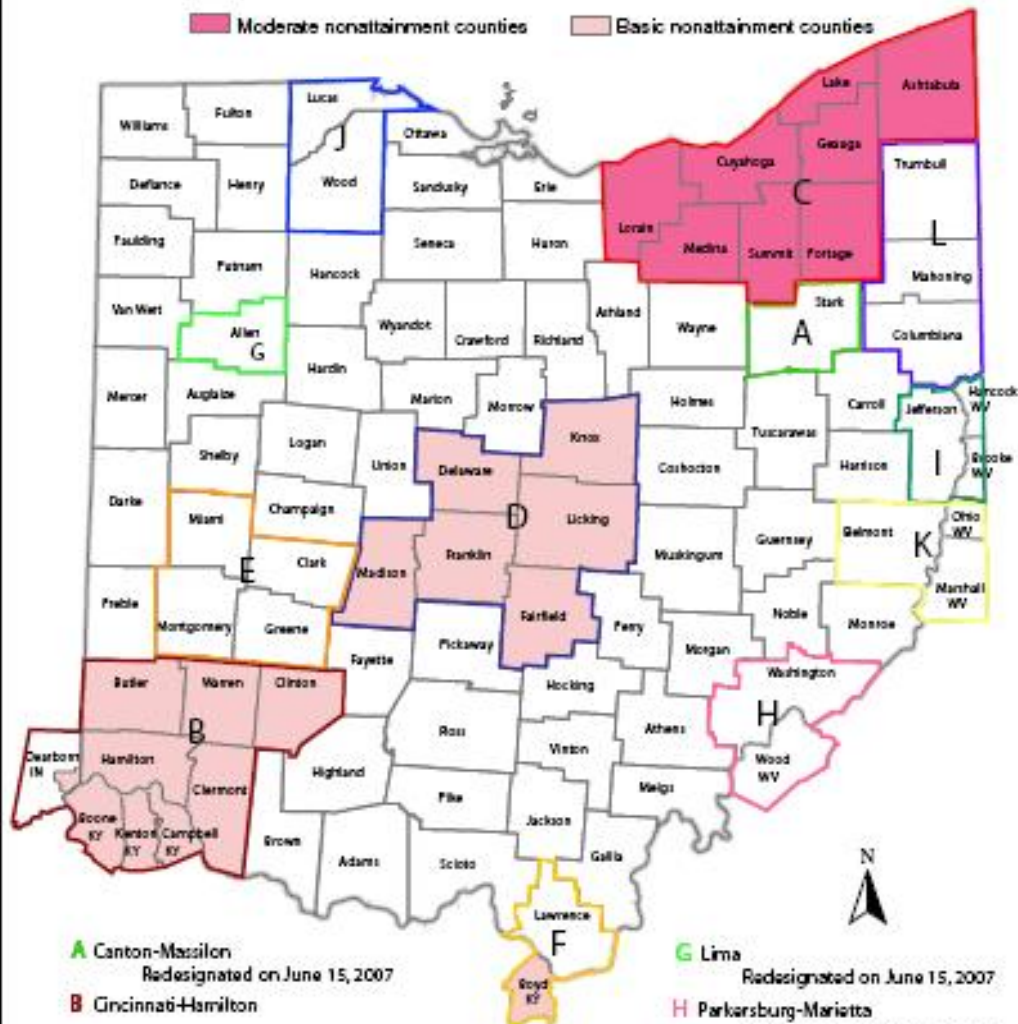
- Ozone redesignations
- PM2.5 recommendations

# Ozone Redesignations

- Lima, Toledo, Canton, Youngstown, Steubenville, Dayton, Marietta and Wheeling WV (Belmont County Oh) were redesignated this year.
- Summer of 2007 has complicated the Columbus designation

# Ohio Eight-Hour Ozone Nonattainment Areas

Moderate nonattainment counties
  Basic nonattainment counties



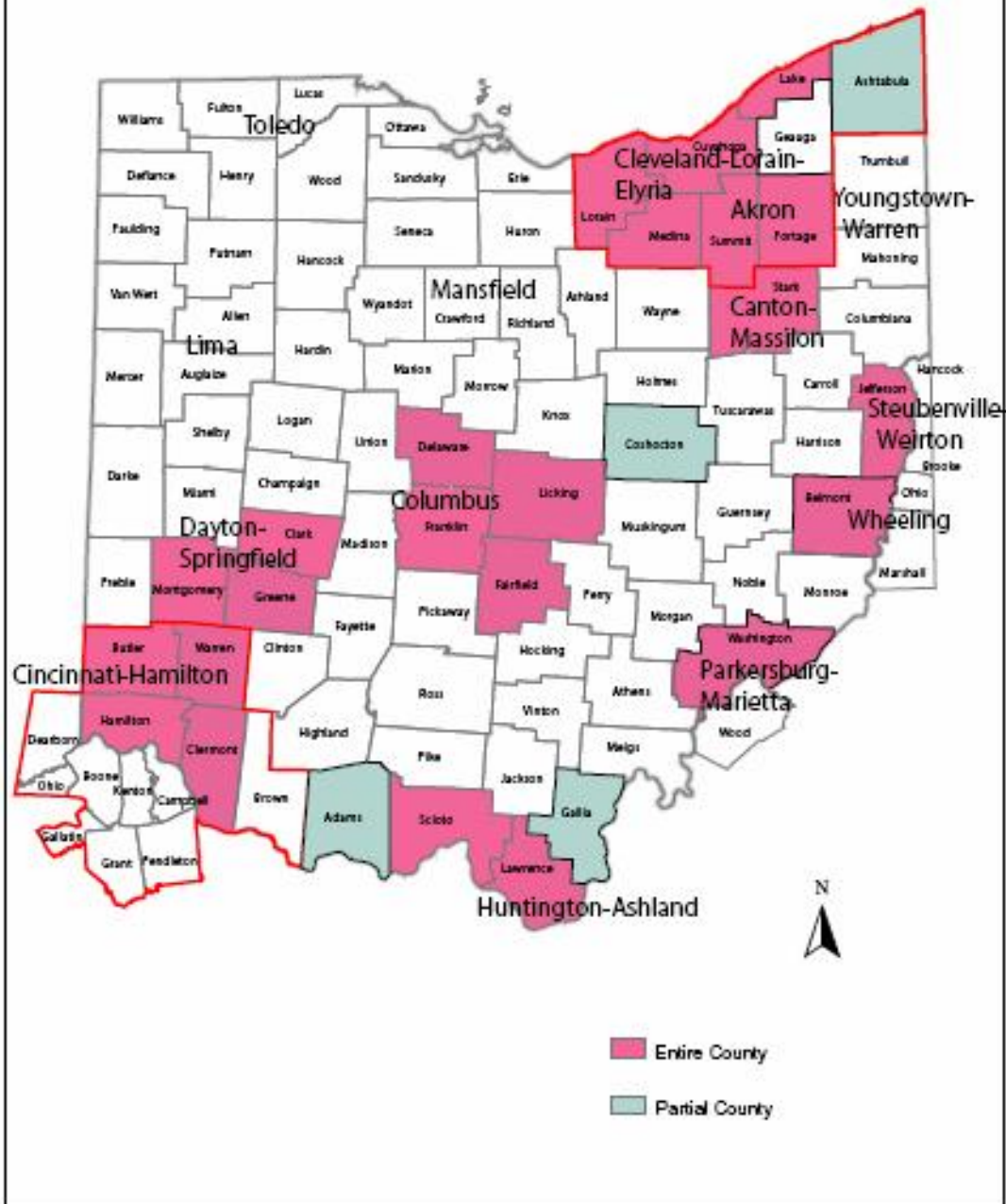
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| <p><b>A</b> Canton-Massillon<br/>Redesignated on June 15, 2007</p> <p><b>B</b> Cincinnati-Hamilton</p> <p><b>C</b> Cleveland-Akron-Lorain</p> <p><b>D</b> Columbus</p> <p><b>E</b> Dayton-Springfield<br/>Redesignated on August 13, 2007</p> <p><b>F</b> Huntington-Ashland</p> | <p><b>G</b> Lima<br/>Redesignated on June 15, 2007</p> <p><b>H</b> Parkersburg-Marietta<br/>Redesignated on June 15, 2007</p> <p><b>I</b> Staubersville-Weirton<br/>Redesignated on June 15, 2007</p> <p><b>J</b> Toledo<br/>Redesignated on August 9, 2007</p> <p><b>K</b> Wheeling<br/>Redesignated on June 15, 2007</p> <p><b>L</b> Youngstown-Warren<br/>Redesignated on June 12, 2007</p> |
|--|--|

# PM 2.5 recommendations

- Current designations (map)
- Probable additions
  
- MSA/CMSA not the default boundary
- County by county rationale

# PM 2.5 Nonattainment

04/12/05





# PM 2.5 recommendations

- Existing PM 2.5 designations ...plus....  
Possible addition of Toledo and  
Youngstown areas
- Specific County evaluations may also  
result in differences
- Ohio looking at MPO boundaries
- Conformity implications of changing  
current area boundaries

# BART/Regional Haze

- BART –
  - Document screening process
  - Result: 1 facility ‘subject to BART’
  - Reviewing Engineering and Cost Analyses for Glattfelter (Mead) boilers
  - Ohio EPA performing CALPUFF runs

# BART and Regional Haze (cont)

- Regional Haze
  - Document Midwest RPO regional haze process and results
  - Address reasonable further progress control options
  - Interpret overall RFP from MRPO perspective
  - Address MANE-VU and VISTAS inter-RPO analyses and “Asks”