



Air Quality

in

South Carolina

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Bureau of Air Quality
CAPCA-Spring 2007





Welcome to CAPCA!

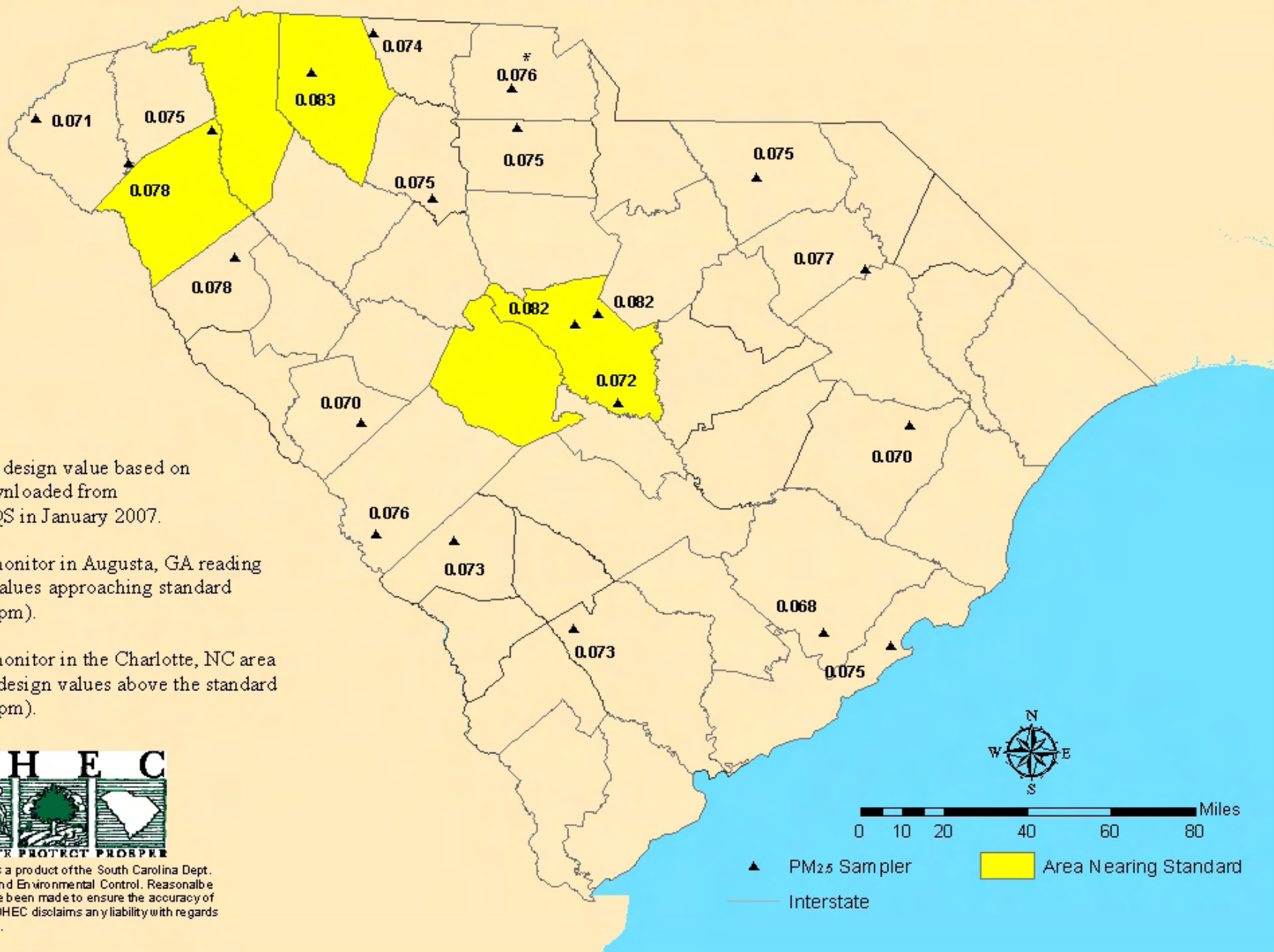
- Status of Ozone
- Status of PM_{2.5}
- Examples of Local Measures/Strategies
- 2007 Focus Areas - BAQ
- Climate Change
- Monitoring Network Review
- Video?



Ozone Status

- All SC Monitors Attaining the Current Standard

South Carolina 8 hour Ozone Design Values (2004-2006)



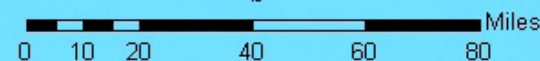
Monitor design value based on data downloaded from EPA-AQS in January 2007.

Ozone monitor in Augusta, GA reading design values approaching standard (0.081 ppm).

Ozone monitor in the Charlotte, NC area reading design values above the standard (0.088 ppm).



This map is a product of the South Carolina Dept. of Health and Environmental Control. Reasonable efforts have been made to ensure the accuracy of this map. DHEC disclaims any liability with regards to this map.
baq-2007



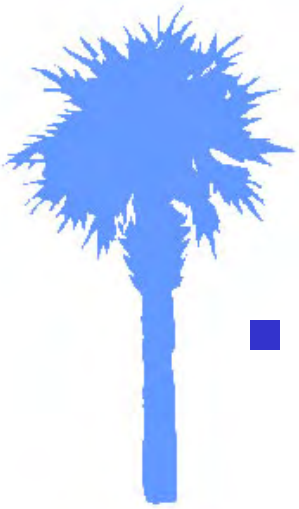
- ▲ PM_{2.5} Sampler
- Interstate
- Area Nearing Standard

2007 Ozone Season

"THE Season for our EAC deferred areas"

- Elevated levels occurring earlier
 - Forecasting began in April
- Final EAC progress report – due in June
- La Niña – “the season to watch”
- A New, More Stringent Standard – “on the horizon” ?

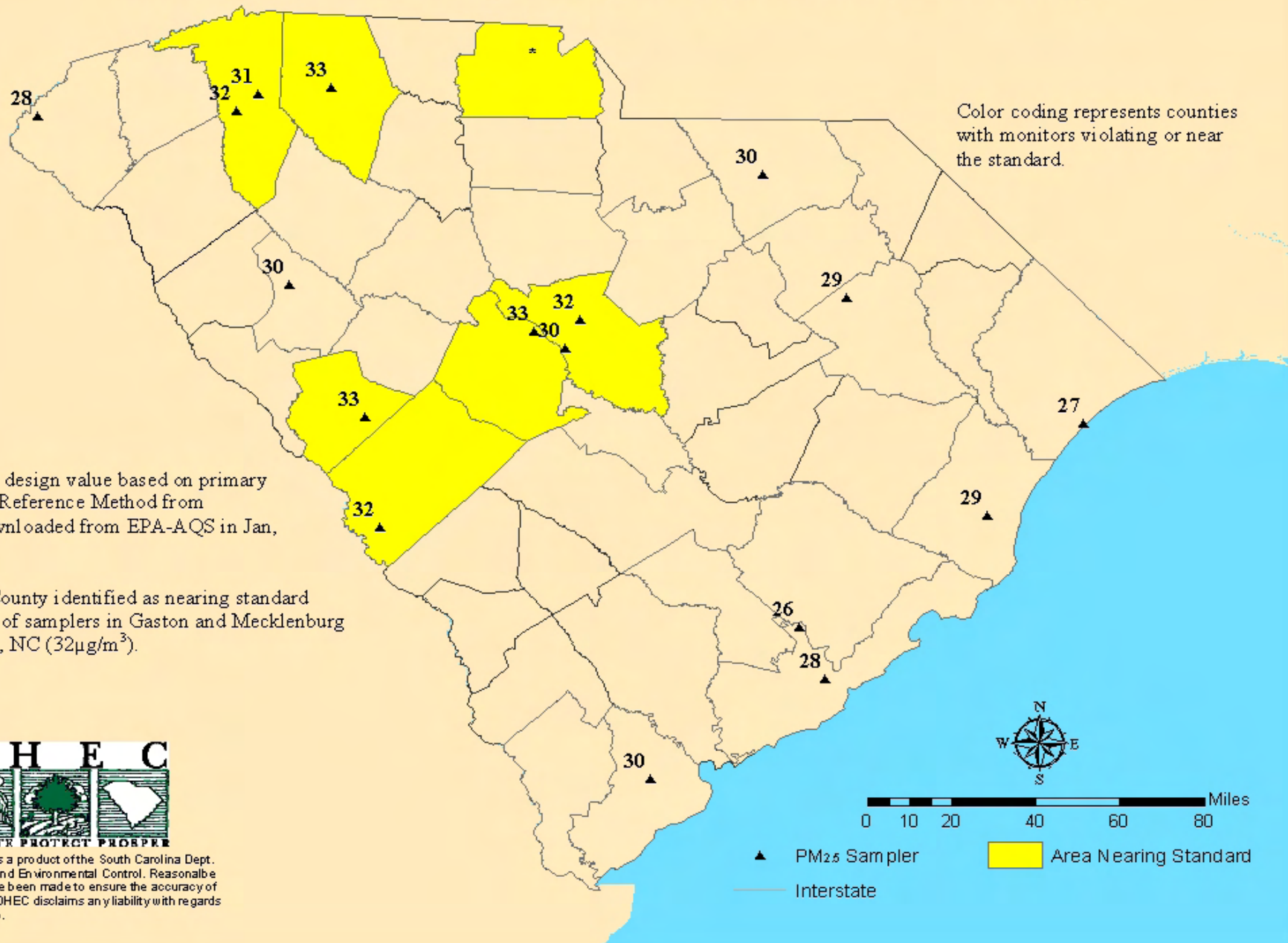




PM_{2.5} Status

- All SC Monitors Attaining the Daily Standard
- Two SC Monitors Violating the Annual Standard
- Two Georgia Monitors Violating the Annual Standard (Impact SC)

South Carolina Daily PM_{2.5} Design Value (2004-2006)



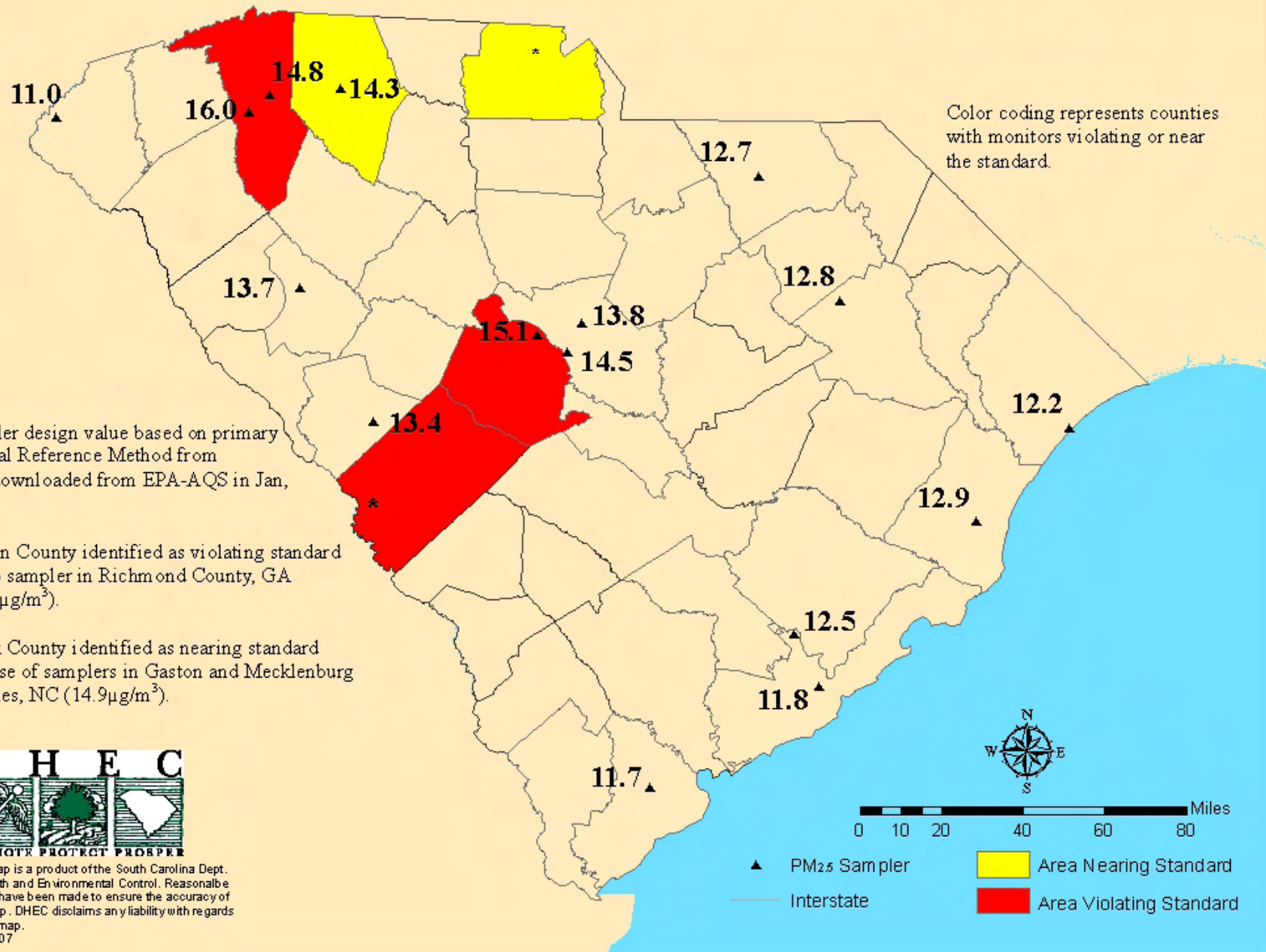
Sampler design value based on primary Federal Reference Method from data downloaded from EPA-AQS in Jan, 2007.

*York County identified as nearing standard because of samplers in Gaston and Mecklenburg counties, NC ($32\mu\text{g}/\text{m}^3$).



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South Carolina Annual PM_{2.5} Design Value (2004-2006)





PM_{2.5} Priorities

- Staff Assignment to Counties/COGs
- Presentations/outreach
- Collaborative Partnerships/Stakeholder Committees
- LOCAL PLANS



Lexington County

- **Strengthening open burning ordinance**
 - Increasing the distance for residential yard burning
 - Banning open burning of land clearing and right-of way maintenance during ozone season
- **Formation of stakeholder committee**
- **Lawn Mower Exchange**
 - **Partners: Richland Co, DHEC, Keep the Midlands Beautiful**
 - **April 21, SC State Museum**
- **Civil Penalties/back to AQ projects**

Open Burning Partner: SC Forestry Commission



- Expanded Fire Prevention Team project to include air quality message
- Targeting “Nonattainment” Counties
 - Partners: FC, DHEC, County officials
 - Intense 2 week outreach/education effort; media blitz
 - Burn site inspections/warnings
 - Follow-up later/enforcement



Greenville County

- Public Awareness Campaign
 - Liaison assigned to each City
 - Presentations to City Councils, fire depts., civic groups....
- Car Care Event
 - Partners: AAA, Goodwill, Michelin, Spinx
 - May 12, 2007
- City of Greenville
 - Full time bicycle pedestrian planner

Greenville County - City of Fountain Inn



- AQ improvement policy – Fall 2006
- B²@ School/ Fountain Inn Elem.
 - Idling Reduction Campaign
 - Community Support
 - Parents, Students, Teachers, City Council, Garden Club
- Gas Can Exchange
 - April 21, 2007
 - Partners: Caterpillar, Spinx Oil

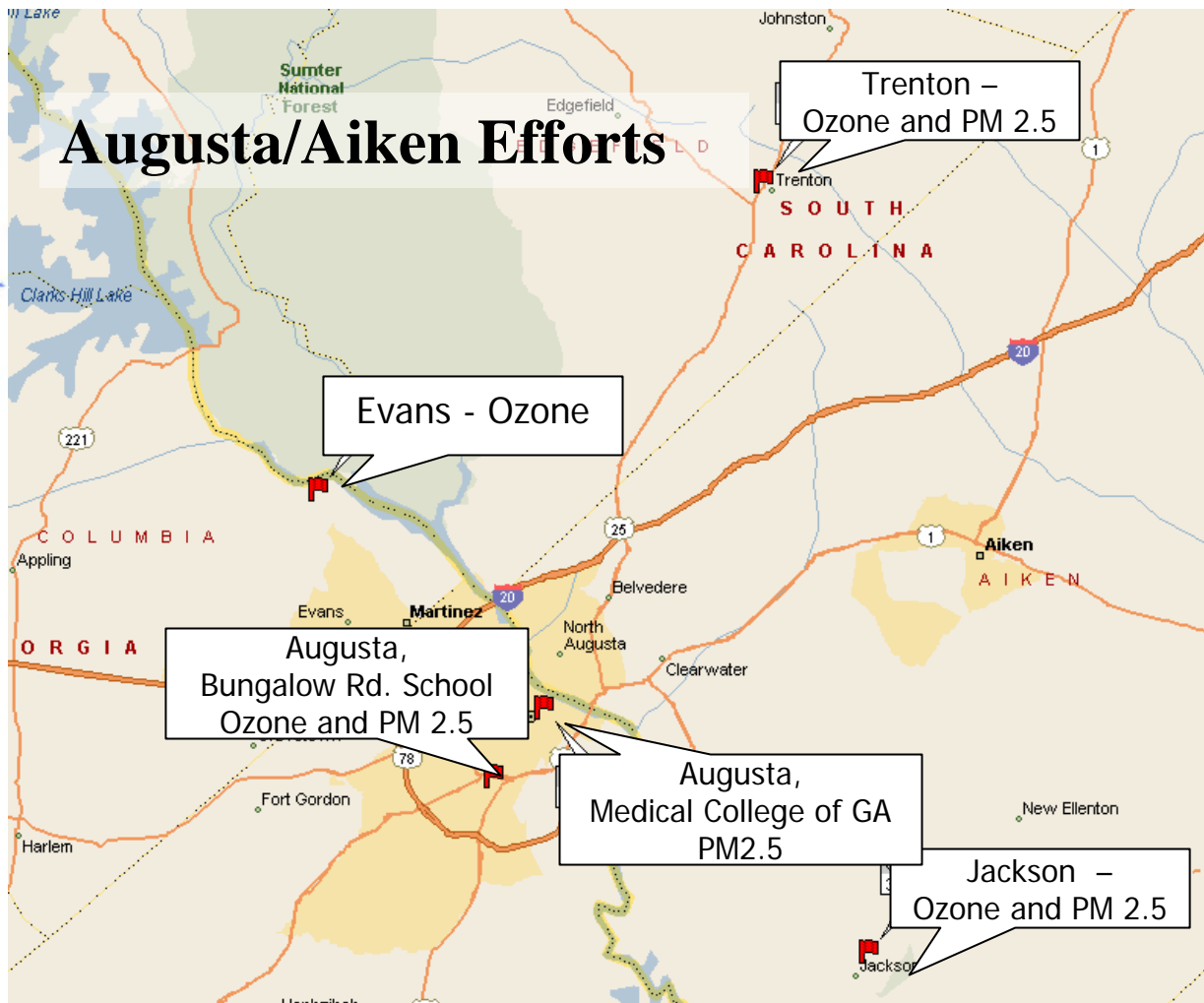


Spartanburg County

- Air Quality Advisory Committee
 - Formed in Fall 2006

- 3 Work Groups formed to develop and document air quality strategies

- Present Suggestions to County Council
 - May 2007



- 3 planning meetings/2 joint meetings
- Unified front, alternate meeting locations between SC and GA
- SC and GA Stakeholders working together proactively



'07 Air Focus Areas

- Staff
- Accountability
- Local Government Collaboration
- Use of Monitoring Data
- Expedited Review
- Air Toxics
- **Climate Change**



Governor Sanford's Climate Change Initiative

- Executive order issued February 16, 2007
- Climate, Energy & Commerce Advisory Committee
- 27 members; Senator John Courson - Chair
- Task: Review climate change impacts in SC & formulate strategies to address those changes.
- Objectives include: recommendations encouraging energy conservation, inventory & forecasts of GHG
- Kickoff meeting – April 27 (target)
- Action plan due to Governor – March 2008



Climate Registry Invitation

- Collaborative partnership of 30 states to manage a common greenhouse gas registry
- SC, NC & GA members of the steering committee
- May 18 deadline – founding member



Monitoring Network Review

And

Public Participation



Monitoring Network Review

- Stakeholder committee formed/Columbia
- Monitoring 101
- Internal Workgroup
- 2nd stakeholder committee/upstate
- Main Concern of stakeholders: siting of monitors
- Site Evaluation Training
- Site Evaluation Workgroups
- Workshop with OAQPS/Region 4



Outcome of the Review?

Likely...

- Smaller permanent network/SLAMS
- Some new monitors
- More real-time PM available in Urban areas
- More monitors moving around/SPM
- Improvements in monitor sites



And Now.....

“The” Video

Starring.....

Our New Employees

