

# Future Issues: Clean Air Act

## Carolinas Air Pollution Control Association

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Robert J. Brown, Jr., Director  
Div. of Air Assessment and  
Regulation  
Bureau of Air Quality

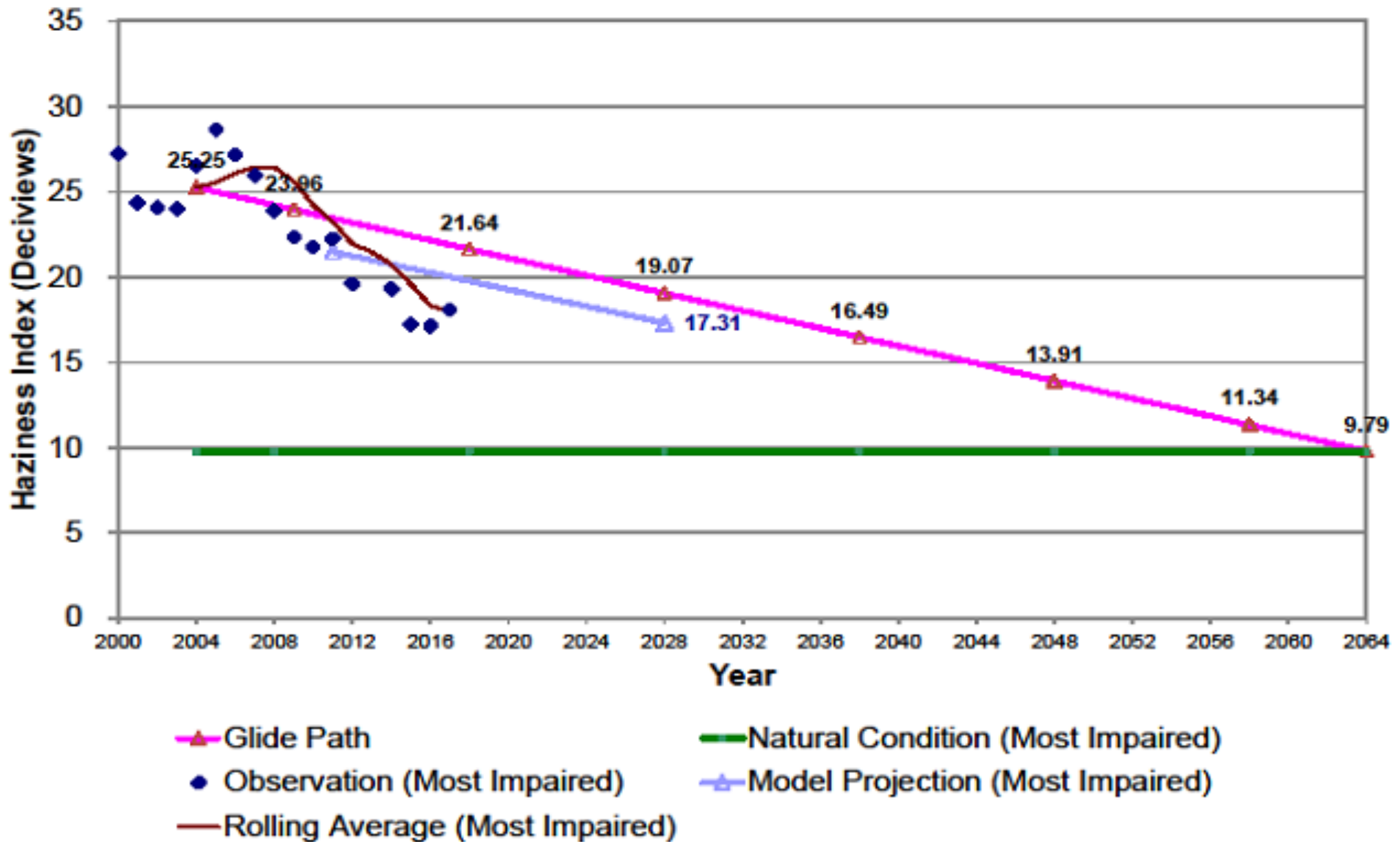
# Future Issues under the Clean Air Act

- Regional Haze
- GHGs
- Emerging Pollutants
- Air Program Funding
- PM NAAQS
- Ozone NAAQS

## Regional Haze

- Program to reach natural visibility conditions in Class I areas by 2064
- Region 4 VISTAS group working in concert
- Next submittal due July 2021 for period ending 2028
- Considerable assistance meeting goals from reduced fuel burning emissions

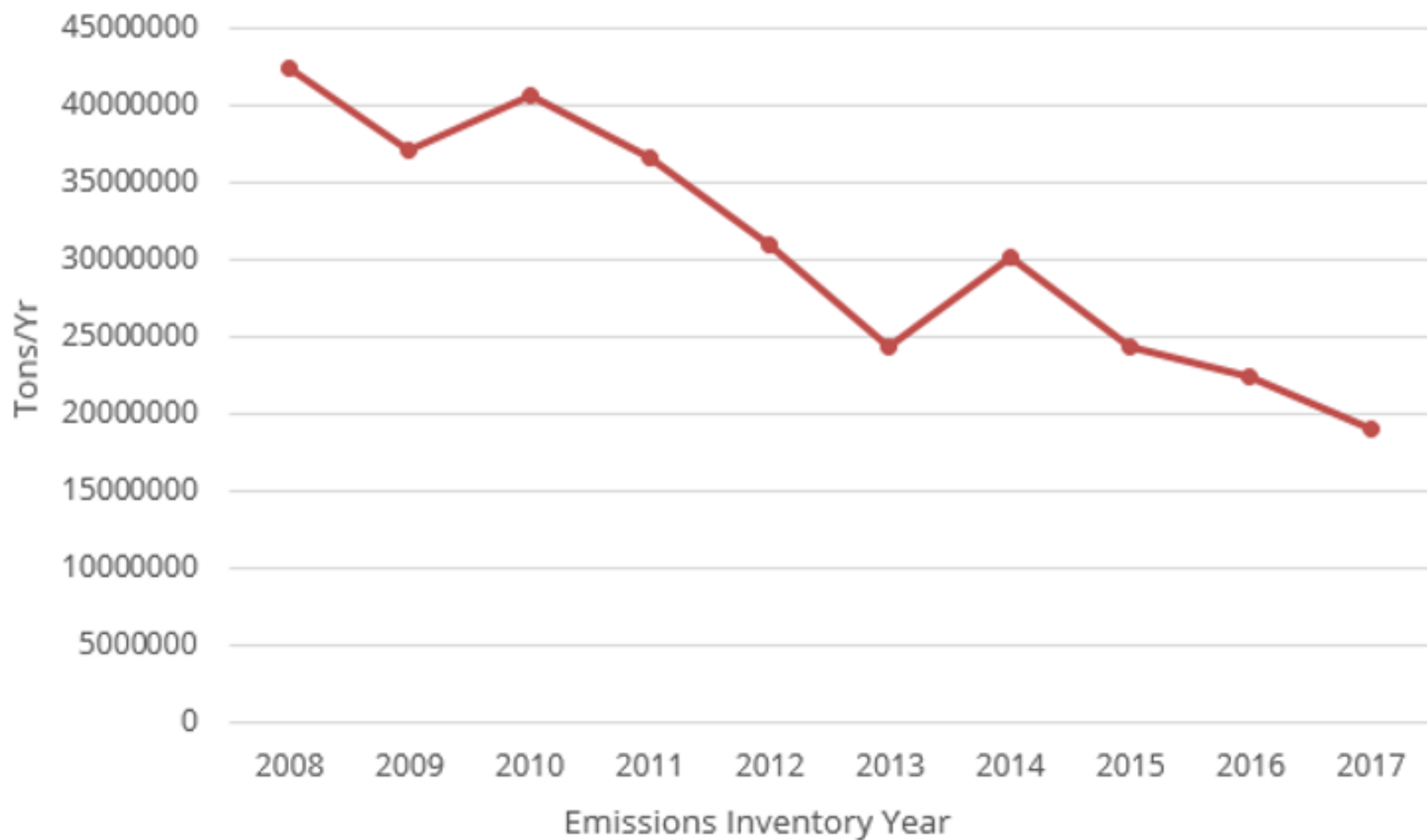
# Uniform Rate of Reasonable Progress Glide Path Cape Romain - 20% Most Impaired Data Days



# Green House Gases Regulatory Reductions

- SC: V.C. Summer 2 & 3, MATS rule
- NC: Clean Smokestacks Act
- Clean Power Plan
- ACE Rule
- Future rules, including smaller stationary sources?

### 10-Year Trend of CO<sub>2</sub> Emissions from Coal-Fired Power Plants



## Emerging Pollutants

- PFAS (per/polyfluoroalkyl substances)
  - not regulated pollutants
- Ethylene Oxide – Air Toxic pollutant, IRIS review changed
- What is the next pollutant to emerge?

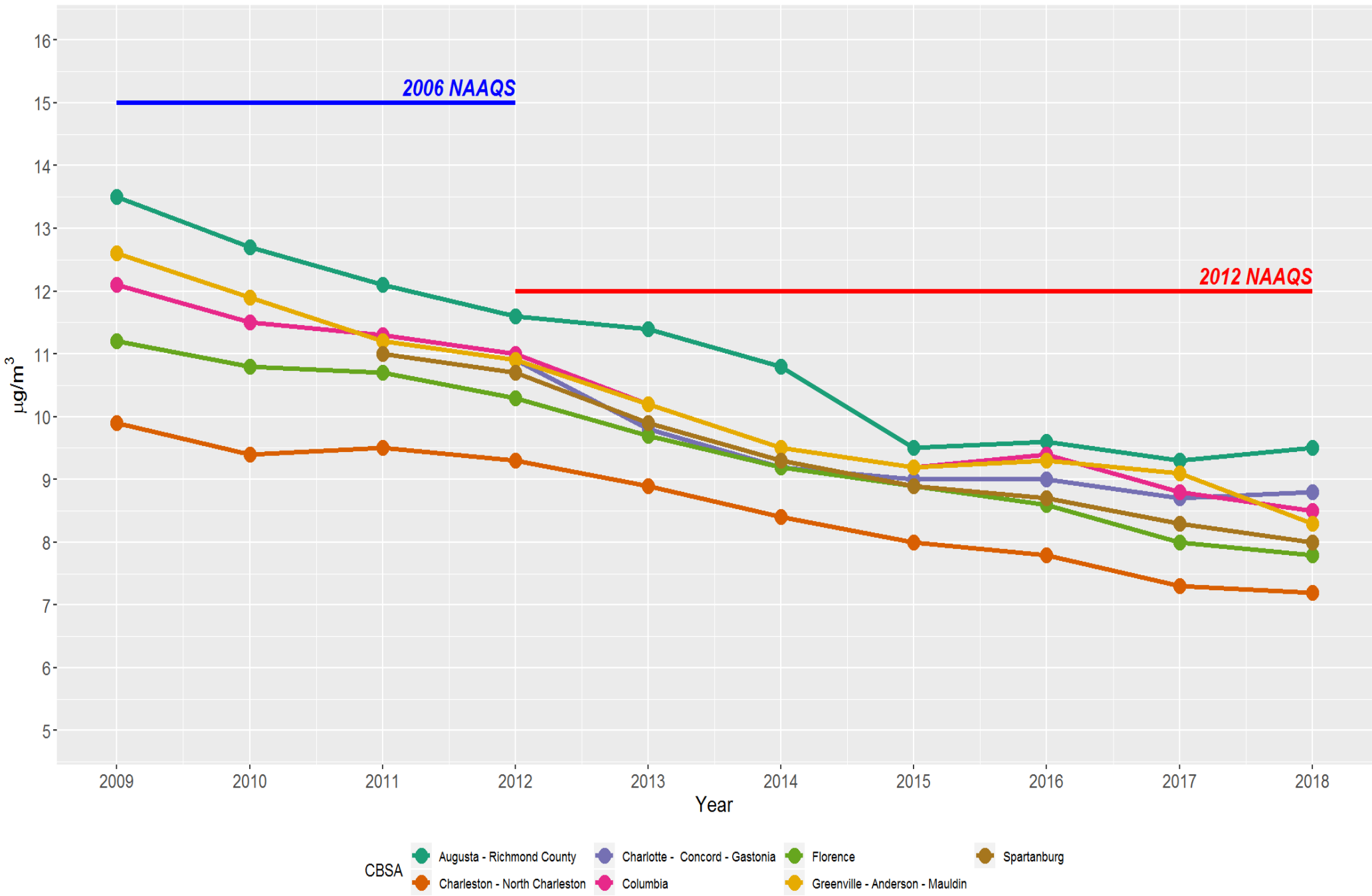
## Air Program Funding

- Reliance on present "\$ per ton" fees in original Title V implementation
- Significant reductions in emissions while new/modified rules continue
- No two states/programs are alike so no easy fix

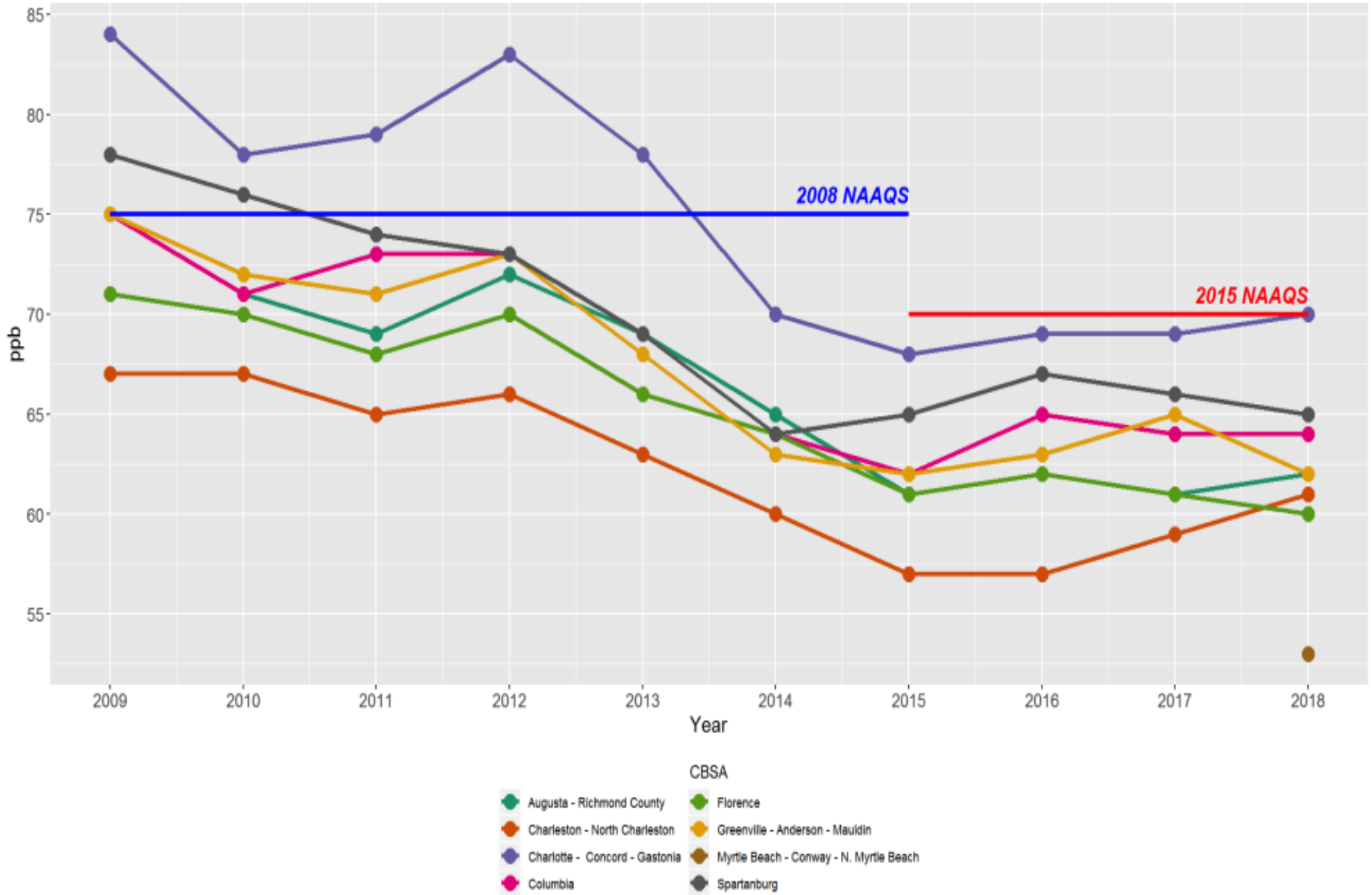
## Future NAAQS Reviews

- No significant issues with NAAQS except for Ozone and PM<sub>2.5</sub>
- Both Ozone & PM<sub>2.5</sub> are under review.
- Lowering either of these standards will be problematic, either staying in attainment or with permitting project NAAQS demonstrations

# 2009 - 2018 South Carolina PM<sub>2.5</sub> Annual Design Values by Highest Monitor in the CBSA



2009 - 2018 South Carolina Ozone Design Values by Highest Monitor in the CBSA



# South Carolina's Proposed Solution





South Carolina Department of Health and Environmental Control

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# CONTACT US

Robert J. Brown, Jr.,  
[brownrj@dhec.sc.gov](mailto:brownrj@dhec.sc.gov)

(803) 898-4105

Bureau of Air Quality  
[www.scdhec.gov/baq](http://www.scdhec.gov/baq)

803-898-4123

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