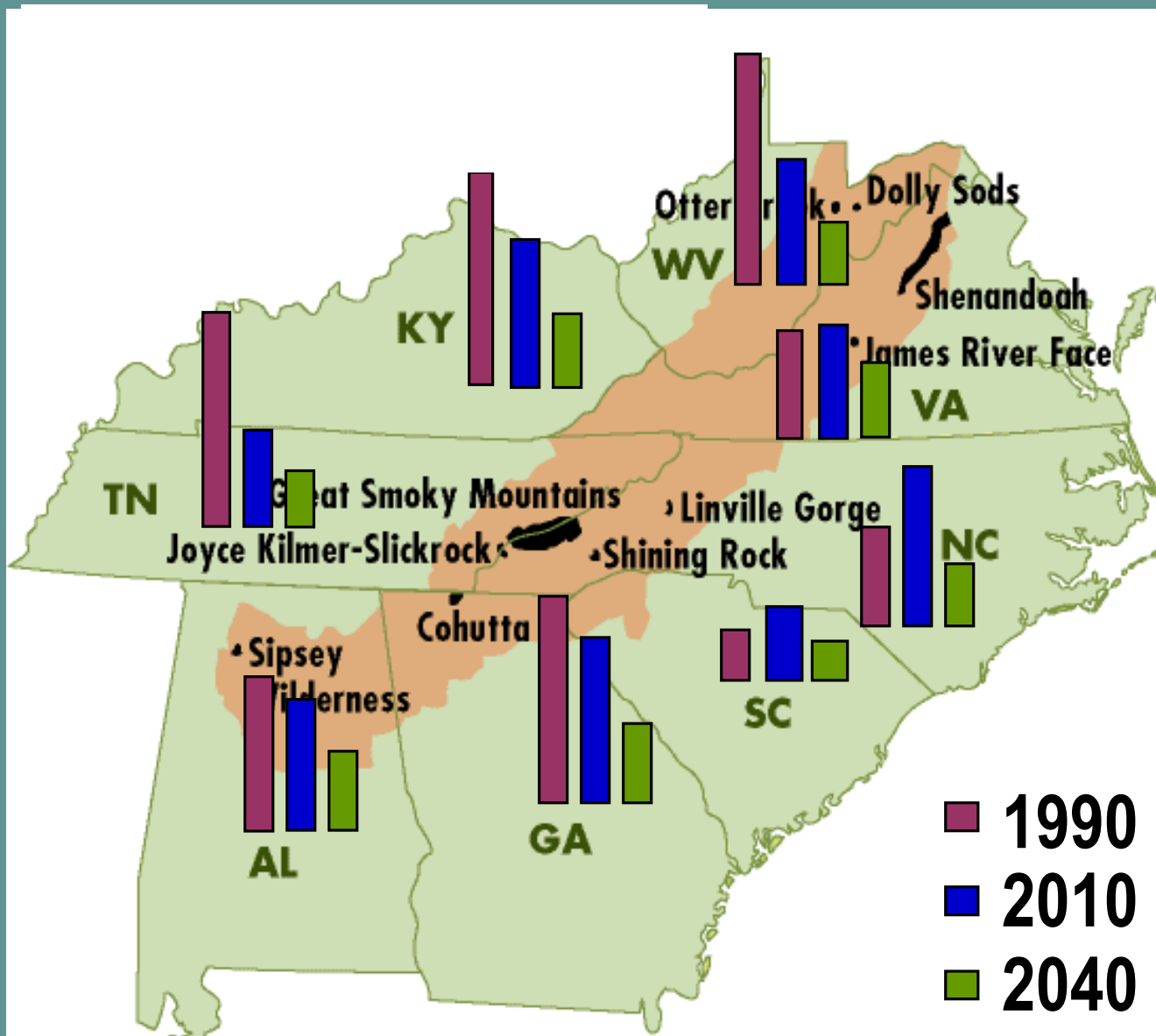


# **Clean Smokestacks Bill**

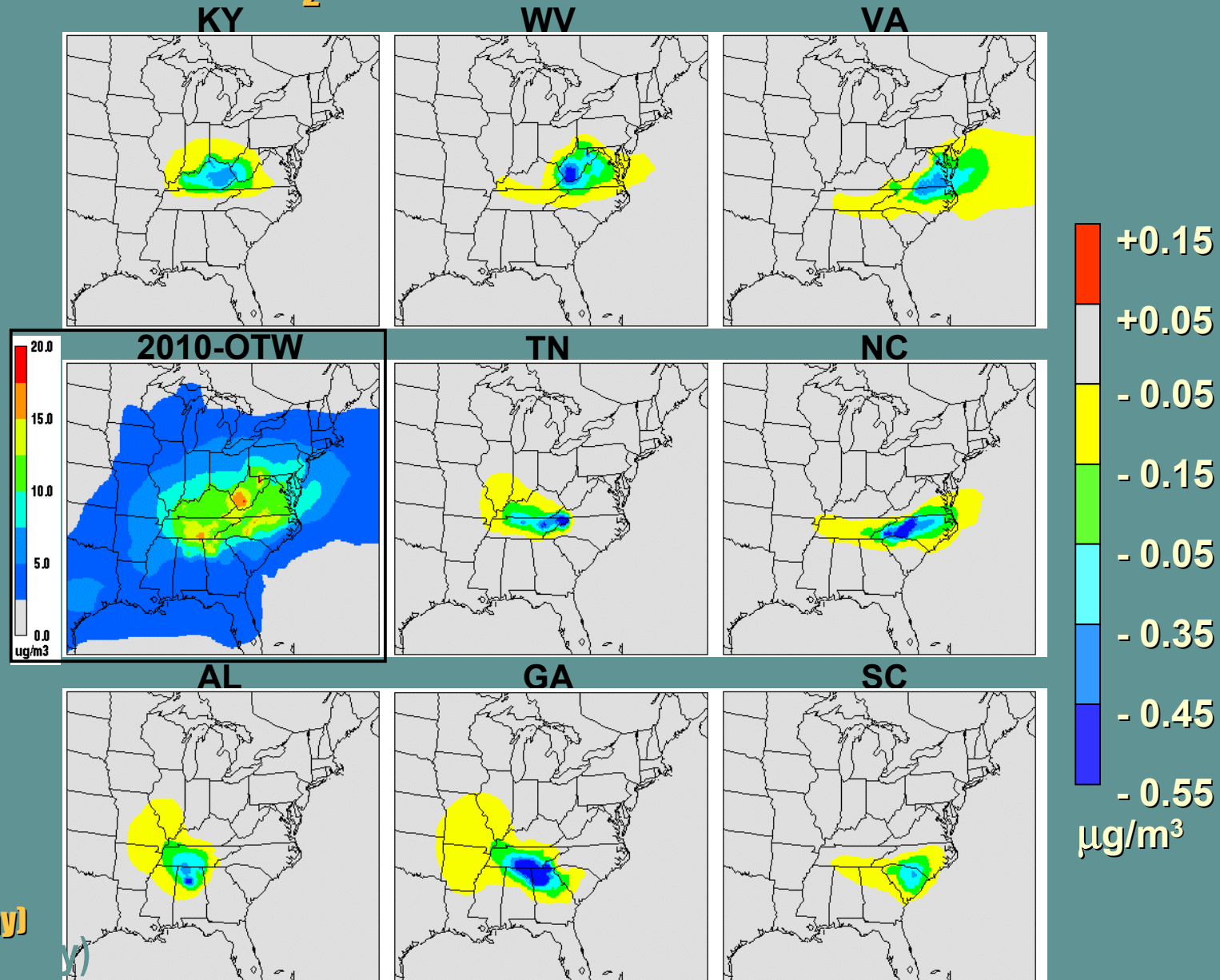
***A Major Initiative to Protect the  
Environment and Health of  
North Carolina Citizens***

***May 10, 2002***

# Annual SO<sub>2</sub> Emissions - 8 SAMI states

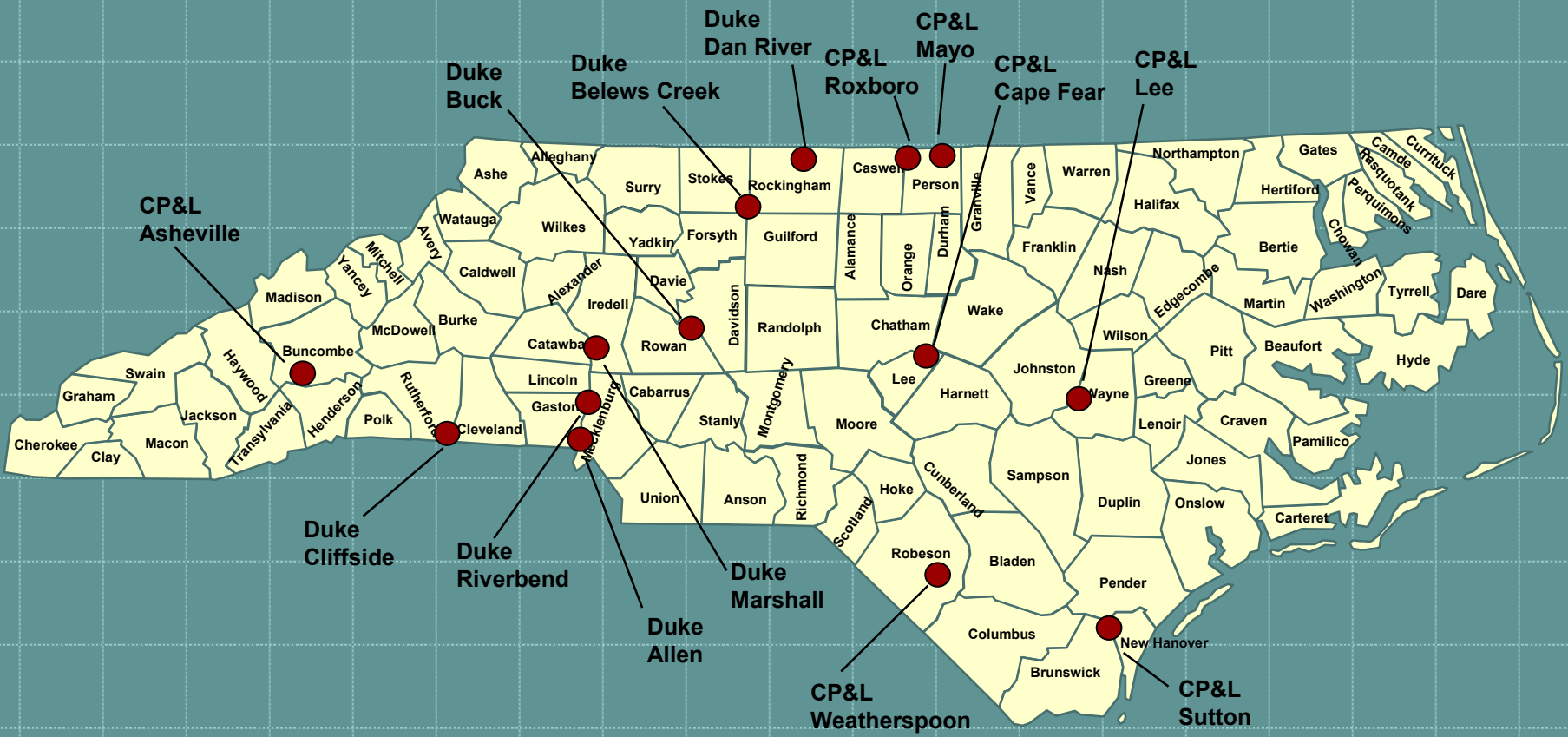


# SO<sub>4</sub> & its Change on July 15, 1995 for a 10% Reduction of 2010-OTW SO<sub>2</sub> Emissions from SAMI States



(Class 5 day)

# N.C. Coal Fired Utility Sources



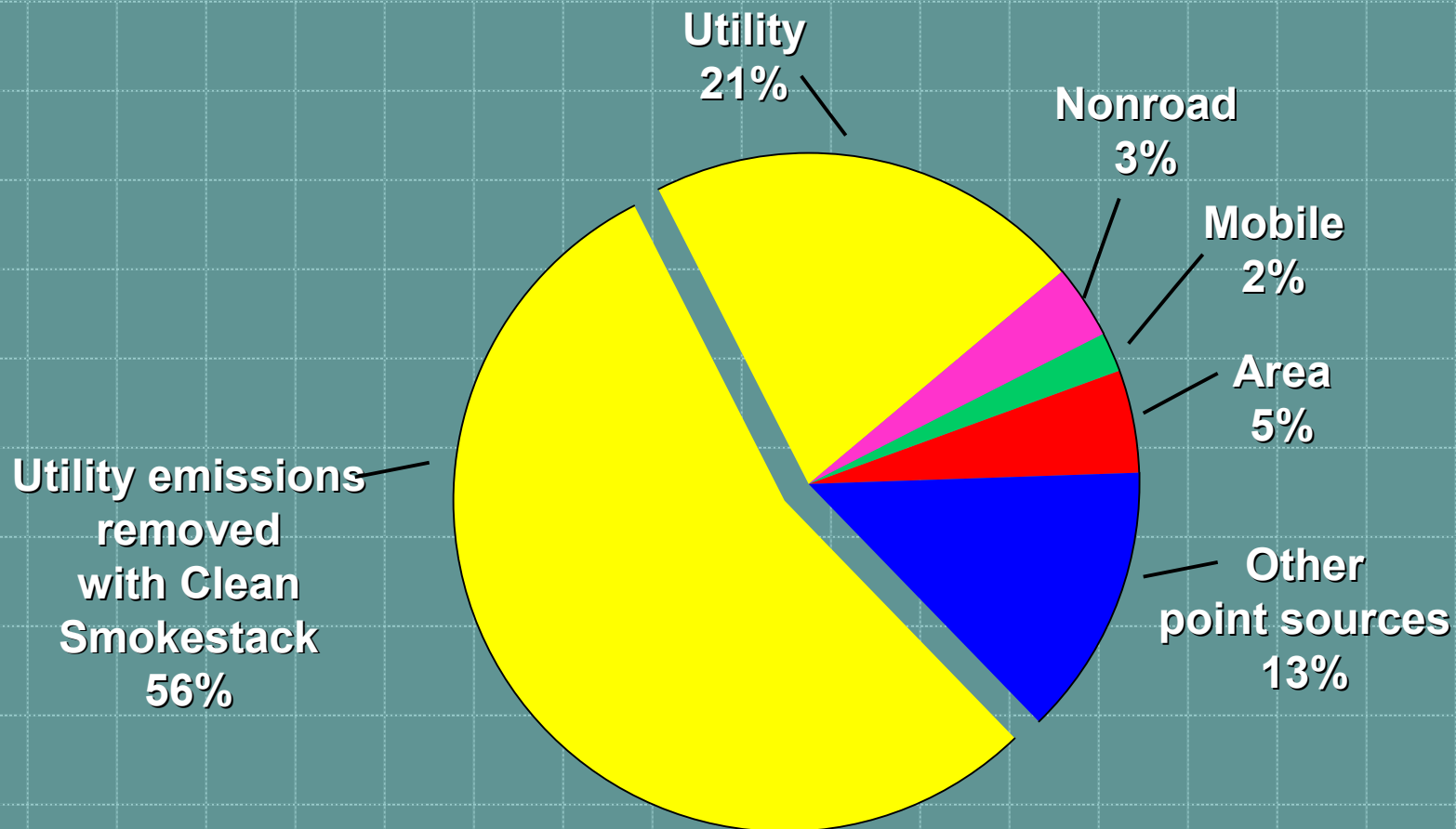
# Clean Smokestacks Bill Key Features

- ◆ Significant Public Health Protection
- ◆ Significant Environmental Benefits
- ◆ Caps Emissions of SO<sub>2</sub> and NO<sub>x</sub> for Coal Fired Utility Plants in NC
- ◆ No Increase in Electric Rates
- ◆ Co-benefit of Mercury Reduction
- ◆ Requires Recommendation on CO<sub>2</sub> Controls to Legislature in 2005
- ◆ Provides Certainty of Controls in a Reasonable Timeframe

# Tons Per Year Cap in N.C.

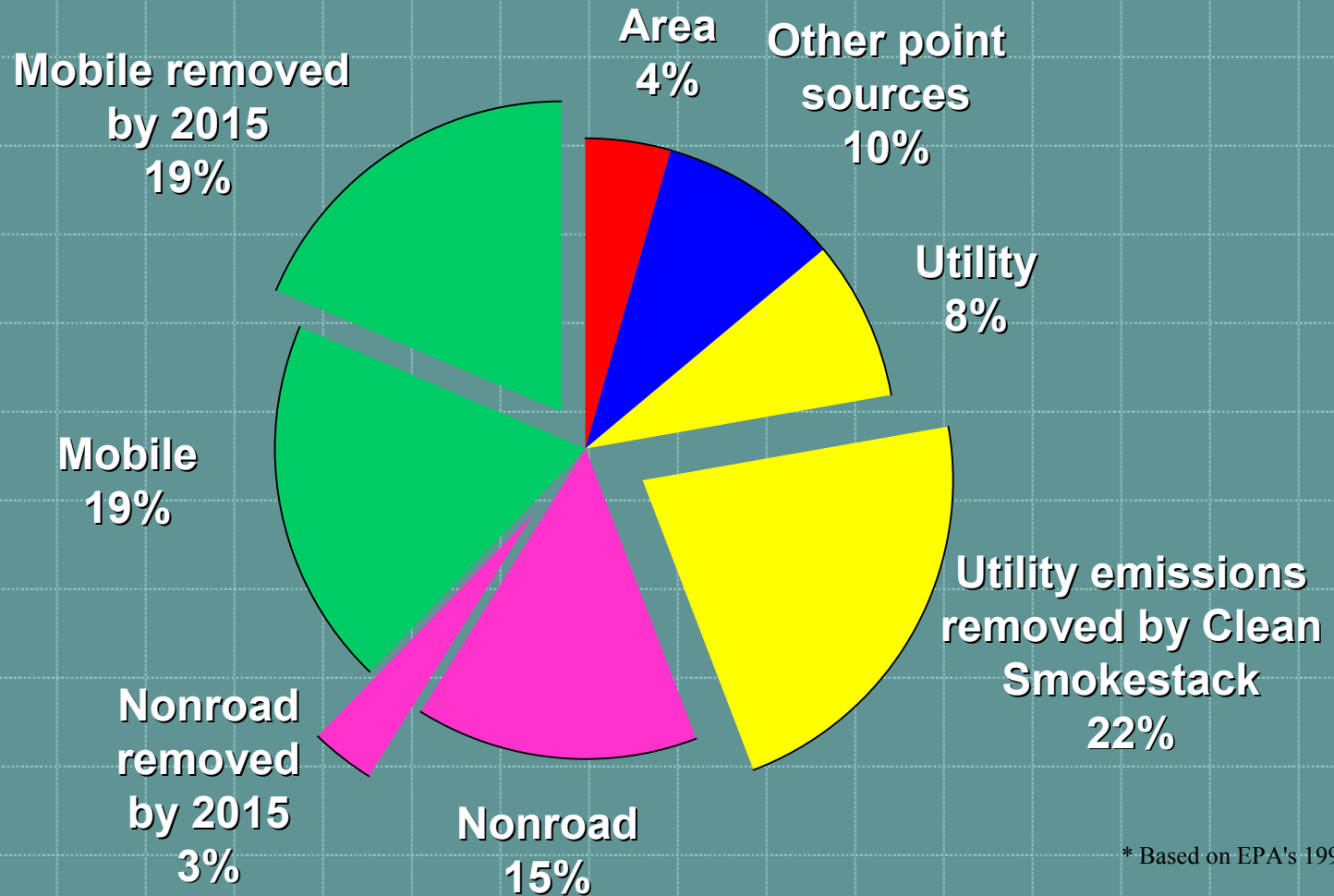
Year	SO <sub>2</sub>	NOx
1998 levels	489,000	245,000
2007	-----	60,000
2009	250,000	56,000
2013	130,000	-----

# N.C. SO<sub>2</sub> Emissions



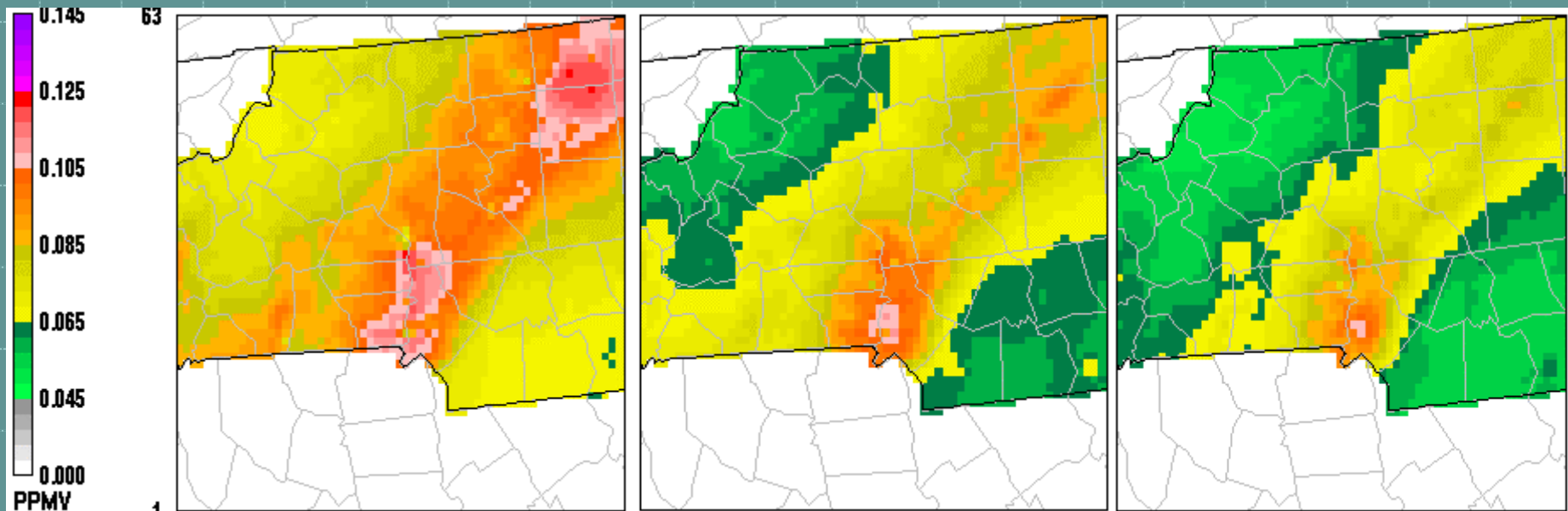
\*Based on EPA's 1999 NEIv1.5

# N.C. NOx Emissions



\* Based on EPA's 1999 NEIv1.5

# Modeling Results



	7/13/95	7/14/95	7/15/95
<b>Green</b>	28	333	200
<b>Yellow</b>	1700	1265	1520
<b>Orange</b>	853	833	686
<b>Red</b>	11	161	186

	7/13/95	7/14/95	7/15/95
<b>Green</b>	1104	1145	1148
<b>Yellow</b>	1364	1028	1294
<b>Orange</b>	124	400	150
<b>Red</b>	0	19	0

	7/13/95	7/14/95	7/15/95
<b>Green</b>	1671	1612	1876
<b>Yellow</b>	892	840	710
<b>Orange</b>	29	137	6
<b>Red</b>	0	3	0

