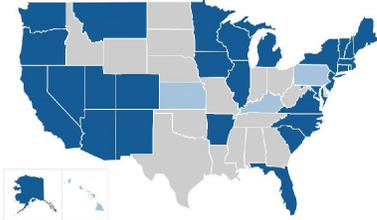




Center for Climate Strategies

Helping States and the Nation Tackle Climate Change

Join Our Mailing List!



Check the map to see climate planning actions in your state

SGA Report Materials:

[Summary of Key Findings](#)

[Executive Summary](#)

[Full Report to SGA](#)

[Appendices for Full Report to SGA](#)

Tom Peterson's Presentation to the Southern Governors' Association: [Economic Analysis and Study Review of Southern Region Climate Policy Options](#)

["Southern Governors Hear Warning on Climate Change" Richmond Times-Dispatch](#)

[Video clips from the Southern Governors Annual Meeting \(see](#)

Southern Climate Policy Study Released

A report produced for the [Southern Governors' Association](#) presents economy- and region-wide opportunities to reduce greenhouse gas emissions and evaluates their projected potential financial costs or savings. Prepared by [The Center for Climate Strategies](#) (CCS), the report was commissioned as part of Virginia Governor Timothy M. Kaine's 2008-09 SGA Chairman's initiative that focused on engaging the region's governors in a dialogue about how best to understand and address climate change issues in the South.

Titled "[Southern Regional Economic Assessment of Climate Policy Options and Review of Economic Studies of Climate Policy](#)," the report also contains a review and comparison of several dozen economic studies of relevance to the South, including a framework explanation of why some of these studies predict government action on climate will spur job growth and positive economic benefits, while others predict job losses and negative economic consequences.

"During my tenure, I started a conversation on climate change and energy security that had not previously taken place in the South," said Governor Kaine. "Climate change and energy security policy decisions - whether they're made at the federal level, state level, or both - have tremendous implications for the region's future."

The report prepared for SGA relied heavily on data developed from CCS' previous work with five Southern states ([AR](#), [FL](#), [MD](#), [NC](#), and [SC](#)) to help each develop its own comprehensive, stakeholder-driven climate action plan (all materials from those processes are linked in the left sidebar). Data from those plans was updated and supplemented with additional publicly available data to estimate the 16-state, 2-territory potential for emissions reductions and carbon sequestration from 23 major possible policy options by 2020 (listed below).

CCS President and CEO Tom Peterson noted, "This study offers an important benchmark against which Southern

[Annual Meeting \(2009\)](#)
"Annual Meeting 2009"
link in left sidebar)

Southern State Climate Action Plans:

Visit these pages for
links to state plans and
more:

[Arkansas](#)

[Florida](#)

[Maryland](#)

[North Carolina](#)

[South Carolina](#)

[Virginia](#)

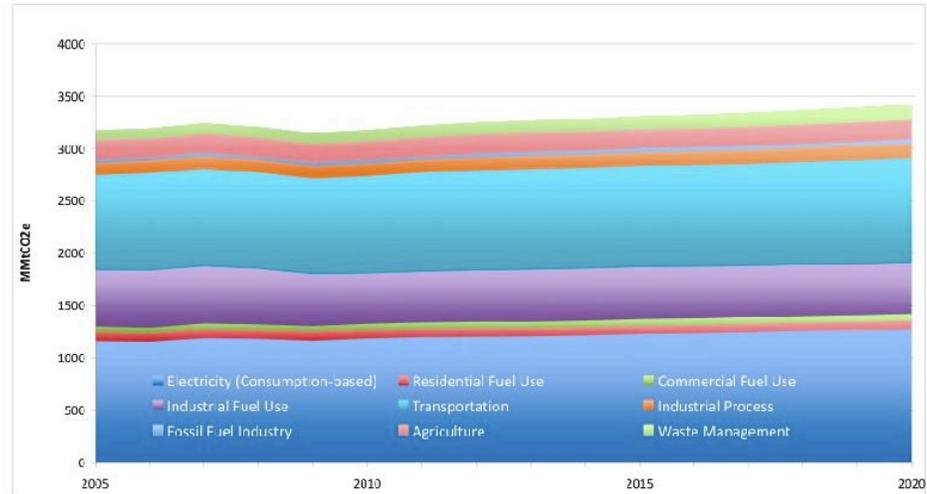
Related Links:

[November 17th CCS
Presentation to the
North Carolina
Legislative Commission
on Global Climate
Change](#)

[The Economics of
Climate Change Policy
by Dr. Adam Rose](#)

Governors can measure the potential costs and savings of what have been found to be very effective policy options in some states. With this kind of analysis in their pocket, each Governor can better identify the steps that make the most immediate and cost effective impacts."

SGA Projected Gross GHG Emissions by Sector, 2005-2020 (Center for Climate Strategies, 2009)



SGA = Southern Governors' Association; MMTCO₂e = million metric tons of carbon dioxide equivalent.

The SGA region covers 16 states (AL, AR, FL, GA, KY, LA, MD, MS, MO, NC, OK, TN, TX, VA, and WV) as well as Puerto Rico and the U.S. Virgin Islands. Taken as a whole it represents the world's third largest economy, forty percent of the U.S. population and the nation's largest energy producing region. Much of the South has experienced rapid growth in the last decade.

23 Major SGA Climate Policy Options by Sector, GHG Reduction Potential and Cost-Effectiveness in 2020 (Center for Climate Strategies, 2009)

More state leadership on climate:

[Ahead of the Curve: States Lead on Climate Change](#)

[Center for Climate Strategies](#)

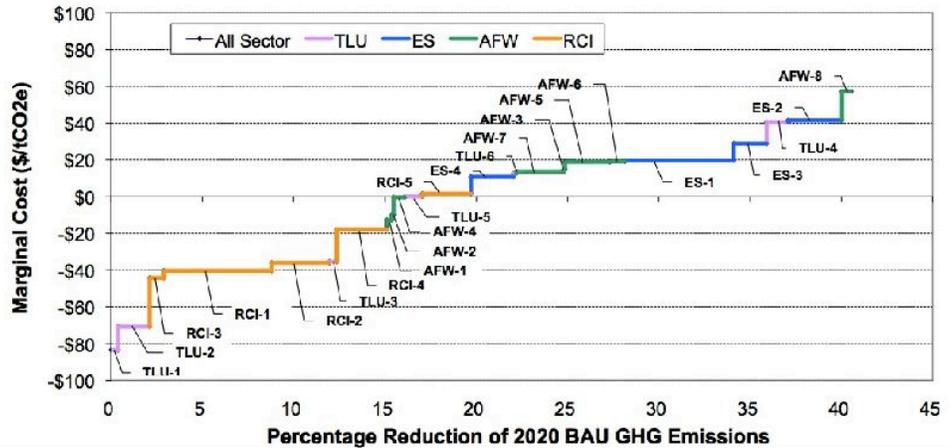
32 State Climate Plans:

Cover 2/3 of US population & economy
 Cover more than 1/2 of US GHG emissions
 Show benefits of a multi-sector comprehensive approach
 Developed by over 1,500 stakeholders and technical work group experts
 More than 90 percent of all policy recommendations reached full consensus, many now underway
 Macroeconomic analyses of state climate action plans show expansionary effects on future economies

Center for Climate Strategies
 1899 L St, NW #900
 Washington, D.C. 20036
 (202) 540-9121
www.climatestrategies.us

Sector	Climate Mitigation Actions	Estimated 2020 Annual GHG Reduction Potential (MMtCO2e)	Estimated Cost or Cost Savings per ton GHG Removed (\$)
Agriculture, Forestry and Waste Management Sector			
AFW-1	Soil Carbon Management	9.24	-\$12.76
AFW-2	Nutrient Management	3.25	-\$10.10
AFW-4	MSW Landfill Gas Management	20.81	-\$0.42
AFW-7	Reforestation/Afforestation	87.89	\$13.60
AFW-3	Livestock Manure - Anaerobic Digestion and Methane Utilization	2.53	\$14.63
AFW-5	Enhanced Recycling of Municipal Solid Waste	84.03	\$18.84
AFW-6	Forest Retention	28.22	\$19.11
AFW-8	Urban Forestry	16.75	\$57.20
Energy Supply Sector			
ES-4	Coal Plant Efficiency Improvements and Repowering	80.04	\$10.72
ES-1	Renewable Portfolio Standard	203.93	\$19.62
ES-3	Carbon Capture, Storage or Reuse	61.45	\$28.84
ES-2	Nuclear	100.94	\$41.55
Residential, Commercial and Industrial Sector			
RCI-3	Appliance standards	26.32	-\$44.29
RCI-1	Demand Side Management Programs	201.94	-\$40.33
RCI-2	High Performance Buildings (private and public sector)	108.33	-\$36.05
RCI-4	Building Codes	93.83	-\$18.00
RCI-5	Combined heat and power	90.99	\$1.61
Transportation and Land Use Sector			
TLU-1	Anti-Idling Technologies and Practices	13.13	-\$83.51
TLU-2	Vehicle Purchase Incentives, including rebates	59.04	-\$70.85
TLU-3	Mode Shift from Truck to Rail	13.71	-\$35.52
TLU-5	Smart Growth/Land Use	33.02	\$0.00
TLU-6	Transit	5.54	\$12.73
TLU-4	Renewable Fuel Standard (biofuels goals)	40.28	\$40.51

Marginal Cost Curve of SGA Policy Options, 2020
 (Center for Climate Strategies, 2009)



\$/tCO2e = dollars per ton of carbon dioxide equivalent (reduce); TLU = Transportation and Land Use; ES = Energy Supply; AFW = Agriculture, Forestry and Waste Management; RCI = Residential, Commercial and Industrial (fuel use); BAU = Business as Usual.

"Southern Regional Economic Assessment of Climate Policy Options and Review of Economic Studies of Climate Policy," is available at www.climatestrategies.us and www.southerngovernors.org, and was funded by grants from the Merck Family Fund, the Mertz Gilmore Foundation, The Rockefeller Brothers Fund, and the Turner Foundation.

The Center for Climate Strategies (CCS) is a nationally recognized nonprofit, nonpartisan policy center that works in

partnership with public officials, stakeholders, and technical experts to develop and implement comprehensive policies to mitigate global climate change and adapt to a changing climate. CCS has a broad team of experts across the United States as well as Canada and Mexico; its headquarters is in Washington, DC.

*For more information please contact:
June Taylor at jtaylor@climatestrategies.us
or Anna Klemmer at aklemmer@climatestrategies.us
Please do not respond to this email address
(news@climatestrategies.us).*