

South Carolina Climate, Energy and Commerce Advisory Committee

South Carolina Climate, Energy & Commerce Advisory Committee

Meeting #4 (Continued)

January 11, 2008

Office of the Governor

The Center for Climate Strategies

Welcome and Introductions

- Governor's Office
- Chairman, Rep. Ben Hagood
- State Agencies
- Climate, Energy & Commerce Advisory Committee (CECAC)
- Members of the Public
- Center for Climate Strategies

Agenda

- Introductions and review of day's agenda
- Approval of draft summary of CECAC Meeting #3 Continued
- Dates and Times for Next Meetings
- Review and approval of straw policy design proposals for Cross Cutting Issues draft policy options
- Discussion of any additional information needs and further actions on cap and trade and carbon tax policies
- Review and discussion of South Carolina's Draft GHG Inventory and Forecast
- Next Steps for CECAC and Technical Work Groups (TWGs)
- Agenda for CECAC Meeting #5
- Public Input and Announcements

Dates for Remaining CECAC Meetings

- Meeting #5:
 - Friday, February 22, 2008
 - Time – 10:00 am – 5:00 pm
- Meeting #6:
 - Friday, May 9, 2008
 - Time – 10:00 am – 5:00 pm

Cross Cutting Issues

- CC-1: Inventories and Forecasting
- CC-2: GHG Reporting and Registry
- CC-3: Statewide GHG Reduction Goals and Targets
- CC-4: State Government GHG Emissions (Lead-by-Example)
- CC-5: Comprehensive Local Government Climate Action Plans
(Counties, Cities, etc.)
- CC-6: Public Education and Outreach
- CC-8: Adaptation & Vulnerability

Cap & Trade and Carbon Tax Information Session

- Additional information needs and further actions?

SC Inventory & Forecast Update: Energy Supply

- Energy Supply TWG is currently reviewing the following updates:
 - Electricity sales forecasts as provided by SC utilities, disaggregated following Energy Office model
 - Future generation mix by fuel type, following approach used in North Carolina
 - Review trends in SF₆ use and leakage in state using updated EPA data – use “no action” or “technology adoption” case? (See slide 11 for annual growth rates)
- Updated I&F to be presented to the CECAC for approval on February 22

SC Inventory & Forecast Update: TLU and Ind. Processes

- TLU - Revise VMT forecast using SC DOT data
 - Overall annual growth rate for 2005-2020 declined from 2.0% to 1.8%
 - Emissions Changes
 - For 2010, increased by about 0.2 MMtCO₂e
 - For 2015 and 2020, decreased by about 0.4 MMtCO₂e
- Industrial Processes
 - Recommends use of new EPA forecast for Ozone Depleting Substance Substitutes (See slide 11 for annual growth rates)

Annual Growth Rates for Halogenated Solvents (%/year)

Source (Reference)	2000-2005	2005-2010	2010-2015	2015-2020	Scenario
Electric Power Systems					
Draft I&F (1)	3.3%	-6.2%	-9.0%	-2.8%	Technology-Adoption
Potential Update (2)	-1.3%	-1.6%	-0.8%	-0.7%	Technology-Adoption
Potential Update (2)	2.7%	0.7%	0.7%	0.7%	No-Action
Ozone Depleting Substance (ODS) Substitutes					
Draft I&F (3)	15.8%	7.9%	5.8%	5.3%	
Potential Update (2)	9.7%	8.7%	6.4%	5.0%	

(1) US Department of State, US Climate Action Report, May 2002, Washington, D.C., May 2002 (Table 5-7).

([http://yosemite.epa.gov/oar/globalwarming.nsf/UniqueKeyLookup/SHSU5BNQ76/\\$File/ch5.pdf](http://yosemite.epa.gov/oar/globalwarming.nsf/UniqueKeyLookup/SHSU5BNQ76/$File/ch5.pdf)).

(2) Global Anthropogenic Non-CO2 Greenhouse Gas Emissions: 1990-2020, June 2006.

(<http://www.epa.gov/nonco2/econ-inv/international.html>).

(3) EPA, 2004 ODS substitutes cost study report

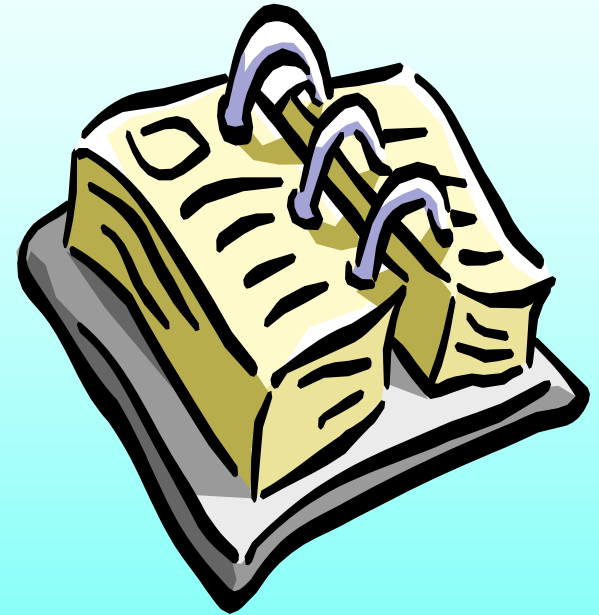
(<http://www.epa.gov/ozone/snap/emissions/TMP6si9htnvca.htm>).

Next Steps

- TWGs
 - Refine straw proposals for priority policy options based on CECAC input
 - Develop initial GHG reduction estimates and costs/savings for draft pending policy options, as well as other elements of the policy template
 - Review and continue updates to the draft inventory and forecast
- CECAC
 - Begin review and final approval of draft pending policy options, with modifications to policy design and or quantification of GHG reductions of policy options if/as needed
 - Review and approve proposed revisions to the inventory and forecast with modifications if/as needed

CECAC Meeting #5

- Date: February 22, 2008
- Agenda:
 - Begin review and final approval of draft pending policy options, with modifications to policy design and or quantification of GHG reductions of policy options if/as needed
 - Review and approve proposed revisions to the inventory and forecast with modifications if/as needed



Public Input, Announcements