



# South Carolina Climate, Energy & Commerce Advisory Committee

Energy Supply (ES)  
Technical Work Group Meeting #8  
December 17, 2007

Office of the Governor  
The Center for Climate Strategies

# Agenda

- Call to order and roll call
- Review and approval of the draft summary of meeting #7
- Review of CECAC process and discussion of next steps for TWG
- Proposed date, time, and agenda items for next meeting
- Discussion and recommendations for draft inventory and forecast (I&F)
- Review CECAC meeting input on straw proposals
- Discuss methods for analyzing the draft policy options approved by the CECAC
- Public input and announcements

# Stepwise Planning Process

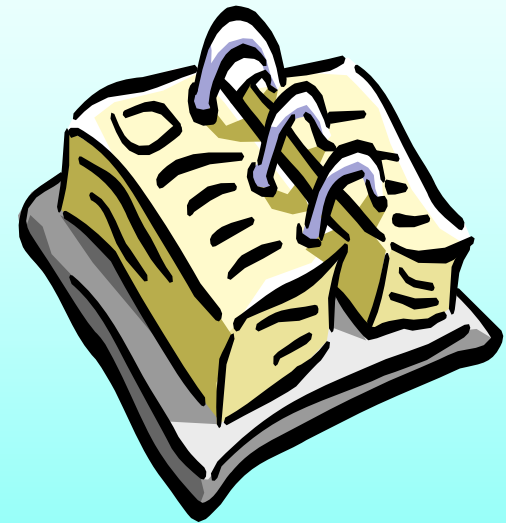
1. Develop inventory and forecast of emissions
2. Identify a full range of possible actions
3. Identify initial priorities for analysis
4. Develop straw proposals
5. Quantify GHG reductions and costs/savings
6. Evaluate externalities, feasibility issues
7. Develop alternatives to address barriers
8. Aggregate results
9. Iterate to final agreements
10. Finalize and report recommendations

# TWG Next Steps

- Today:
  - Develop recommendations for modifying South Carolina emissions inventory and projections (I&F)
  - Discuss quantification methods, data sources, and key uncertainties
- Next meeting:
  - Review initial results of quantification of costs and benefits
  - Begin developing the implementation mechanisms section of the straw proposal

# Next TWG Meeting

- Date and Time
  - Wednesday, January 16, 3:30 – 5:00 PM (*recommend change to 2:30 – 5:00 PM*)
- Agenda:
  - Review initial results of quantitative analysis
  - Discuss implementation mechanisms



# SC GHG emissions inventory and forecast

- Suggested modifications
  - Generation mix forecast
  - Independent Power Producers (IPPs)

# Changes from CECAC Meeting #4

Option #	Draft Policy Option Name	Changes
ES-1	A thorough study of energy options for portfolio standards including renewables, energy efficiency, nuclear power, waste to energy, landfill gas, offshore wind, and hydro	Significant deletions in description and goal. No numeric targets provided (deleted 20% renewable and energy efficiency portfolio standard by 2020, and minimum % renewable, guidance on out-of-state trading, set-aside for solar, and external costs.)
ES-4	Regulatory model to equalize utility returns on energy efficiency with returns on traditional power supply to allow investment in efficiency and renewables to be considered in parity with investment in new conventional capacity.	Sent back to TWG for reworking
ES-5	New Nuclear Power, including reprocessing	Sent back to TWG for reworking
ES-6	Green power purchases and marketing	Revision to Goal #1: Educate consumers about power (fuel) sources and emissions associated with the electricity they use. Set range for target participation rate: 1-5% by 2012 Moved some detail to implementation mechanisms. RCI is no longer considering this policy.
ES-8	Distributed renewable energy	Moved solar hot water to RCI

# Draft Policy Options

<b>Draft Option #</b>	<b>Draft Policy Option Name</b>
ES-1	A thorough study of energy options for portfolio standards including renewables, energy efficiency, nuclear power, waste to energy, landfill gas, offshore wind, and hydro
ES-2	Technology Research and Development, including state funding
ES-3	Renewable Energy (full range) financing, tax incentives, loans
ES-4	Regulatory model to equalize utility returns on energy efficiency with returns on traditional power supply to allow investment in efficiency and renewables to be considered in parity with investment in new conventional capacity.
ES-5	New Nuclear Power, including reprocessing
ES-6	Green power purchases and marketing
ES-7	Attract renewable energy technology businesses to South Carolina
ES-8	Distributed renewable energy incentives and/or barrier removal (Including Interconnection Rules)

# Straw Proposals

## Design Template

- Policy description
- Policy design
- Potential implementation mechanisms
- Related policies/programs in place
- Type(s) of GHG reductions
- Estimated GHG savings and cost per MtCO<sub>2</sub>e
- Key uncertainties
- Types of additional (non-GHG) benefits and or costs
- Description of feasibility issues, if needed
- Status of group approval
- Level of group support
- Barriers to consensus

# Proposed Quantification Methods

*See separate policy option document.*

# Public Input, Announcements