

## Energy Supply Technical Working Group Policy Option Balloting Results

- 8 out of 8 CECAC members of the ES TWG participated in the balloting process.
- 11 out of 12 Other TWG Members of the ES TWG participated in the balloting process.

ES Policy Option #	Suggested Policy Option Name	ES Catalog Option #	ES Catalog GHG Reduction Policy Option	CECAC / Other Members	TWG Member Comments
<b>High Priority for Analysis</b>					
ES-1	Clean Energy/Environmental Portfolio Standard, including renewables, energy efficiency, nuclear power, waste to energy, landfill gas, and hydro	2.13 (includes former 2.13, 6.5, & 6.6)	Clean Energy/Environmental Portfolio Standard, including renewables, energy efficiency, nuclear power, waste to energy, landfill gas, and hydro	7/7	
ES-2	Technology Research & Development	1.6 (includes former 1.6, 2.8, 3.5, & 5.1-5.4)	Technology Research & Development	7/6	Policy may include biomass research, fuel cells, storage research, CCSR R&D + incentives, Blake Ridge research, research on other carbon removal technologies.
ES-3	Renewable Energy Financing	2.10 (includes former 2.10, 6.5, & 6.6)	Renewable Energy Financing (i) Increase and improve renewable energy grants and loans program. (ii) increase and improve RE production cents/kWh incentive payment program. (iii) increase and improve tax incentives for RE production	4/9	Includes: GRANTS AND LOANS 1. Small-Scale Alternative Energy Revolving Loan Program 2. Provide critical information (to support biomass energy and products development in South Carolina) 3. Biomass Energy Application and Bioproducts Grant Program

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			and use. (formerly, SC Biomass Council recommendations, Landfill Gas Recovery, and Waste to Energy)		PRODUCTION INCENTIVES 4. Biomass energy production incentive  PROPERTY, SALES, AND FRANCHISE TAX EXEMPTIONS 5. Energy Conversion Facilities Tax Exemption  TAX CREDITS 6. Jobs Creation Tax Credit
ES-4	Decoupling of energy sales and revenues to allow investment in efficiency and renewables to be considered in parity with investment in new conventional capacity	2.9	Decoupling of energy sales and revenues to allow investment in efficiency and renewables to be considered in parity with investment in new conventional capacity	5/7	
ES-5	New Nuclear Power	3.2	New Nuclear Power	6/6	What is the specific role of the state in this area?
ES-6	Green power purchases and marketing	2.4	Green power purchases and marketing	8/3	Possible overlap with RCI
ES-7	Regulatory model to equalize utility returns on energy efficiency with returns on traditional power supply	2.14	Regulatory model to equalize utility returns on energy efficiency with returns on traditional power supply	5/4	Positive incentive, whereas 2.9 is removal of a negative one. Includes rider on the bill based on avoided costs to cover lost revenues.

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ES-8	Attract renewable energy technology businesses to South Carolina	2.15	Attract renewable energy technology businesses to South Carolina	4/5	We mention technology R&D and we talked about feasibility studies, etc. But should we not also propose policy to entice businesses that currently manufacture wind turbines, or tidal turbines, or solar PV, etc. to set up shop in SC? Where SC may not propose its own RPS or Cap & Trade, it sounds like it may happen at the national level, in which case positioning our state to better address the availability and promotion of renewable energy technologies within our borders would benefit the general population in more ways than one
ES-9	Renewable Portfolio Standard (RPS)	2.1	Renewable Portfolio Standard (RPS)	2/6	This may include energy efficiency but not nuclear or CCS with sequestration. The latter are included in 2.13, "Environmental Portfolio Standards".
ES-10	Distributed renewable energy incentives and/or barrier removal (Including Interconnection Rules)	2.3 (includes former 2.3, interconnection rules from 6.3, 2.7, & 2.10b)	Distributed renewable energy incentives and/or barrier removal (Including Interconnection Rules)	1/7	

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<b>Medium Priority for Analysis</b>					
		2.2 (includes former 2.2 & 2.7)	Grid-based renewable energy incentives and/or barrier removal	2/5	Zoning and siting (formerly 2.7) should be considered as a barrier.  Public perception issue with siting ethanol plant in Batesburg-Leesville
		2.16	Offshore Wind development	5/2	NOT Considered by CECAC
		1.1	Regional GHG cap and trade	1/5	Could be interpreted as support for a federal C&T approach Allocation of permits a crucial issue
		3.7	Recycle nuclear fuel	5/1	Federal issue? NOT Considered by CECAC
		1.5 (includes former 1.5 & 6.4)	Voluntary GHG commitments including mandatory disclosure	4/1	
		2.6 (includes former 2.6 & 2.10d)	Pricing strategies to promote renewable energy and/or CHP (e.g. net metering, interconnection standards)	1/4	Possible overlap with RCI
<b>Low Priority for Analysis</b>					
		1.7	Technology transfer - bringing R&D into commercial operation	0/4	

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		2.5	Combined Heat and Power (CHP) standards, incentives and/or barrier removal	2/2	Possible overlap with RCI
		2.11	Reducing additional requirements put on hydro during relicensing	2/2	
		1.4	Integrated resource planning (IRP)	0/3	
		3.1 (includes former 3.1 & 3.1a)	Advanced fossil fuel technology (e.g. IGCC, CCSR) incentives, support	2/1	
		3.3	Upgrading Existing Nuclear Power	0/3	Still potential for upgrading? H.B. Robinson 1.7% on 11/05/2002
		3.4	Efficiency improvements and repowering existing plants	0/3	Make sure highest efficiency resources are used.
		6.2	Reduction of transmission and distribution line losses	1/2	
		1.2	Carbon (GHG) tax	0/2	<ul style="list-style-type: none"> <li>• Impact on low-income ratepayers</li> <li>• What happens if/when fed tax comes in?</li> </ul>
		1.3	Generation performance standards and/or mitigation requirements for electricity	0/2	

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		1.8	Address plant-wide efficiency	0/2	
		1.9	Join or start regional climate association	0/2	pewclimate.org references many states being in regional agreements with other states and explains the benefits of such associations. However, the Southeastern states have no regional associations related to climate. Can we include an action for SC to be included in or starting or promoting regional activity? Reference page 3 of <a href="http://www.pewclimate.org/docUpload/States%20Brief%20Template%20March%202007_jgph.pdf">http://www.pewclimate.org/docUpload/States%20Brief%20Template%20March%202007_jgph.pdf</a>
		3.6	Expanded training to provide utility workforce	1/1	
		6.7	N <sub>2</sub> O reduction co-benefit	2/0	Nitrous Oxide, a minor component of total NOx emissions from fossil fuel combustion, is one the most powerful GHG's. Each ton of N <sub>2</sub> O represents > 250 tons CO <sub>2</sub> e. Recent/planned SCR installations at SCE&G-Cope, Wateree and Williams impact NOx emissions from units totaling ~17,500 mmBtu/Hr. What component of total NOx reductions comprises N <sub>2</sub> O reductions? Will need to conduct further study for better

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					assessment.
		2.12	Existing hydro modernization	1/0	
		4.2	Natural gas transmission and distribution	1/0	
		6.1	Transmission system upgrading	1/0	
		2.10e	State Mandates—State Government Renewable Energy Use	0/0	
		2.10e	Federal Clean Renewable Energy Bonds	0/0	
		2.10f	Establish funding for the South Carolina Energy Office and the South Carolina Institute for Energy Studies	0/0	
		2.10g	Joint Energy Policy Working Group	0/0	
		4.1	Oil and gas production: GHG emission reduction incentives, support, or requirements	0/0	(not applicable to SC)
		4.3	Oil Refining: GHG emission reduction incentives, support, or requirements	0/0	(not applicable to SC)
		4.4	Coal Production: GHG emission reduction incentives,	0/0	(not applicable to SC)

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			support, or requirements		
		4.5	Coal-to-liquids Production: GHG emission reduction incentives, support, or requirements	0/0	(not applicable to SC)
		4.6	Low-GHG Hydrogen production incentives and support	0/0	(not applicable to SC)