



Governor's Action Team on Energy and Climate Change
State of Florida

Governor's Action Team on Energy and
Climate Change
Phase II Process

*Energy Supply and Demand
Technical Work Group (TWG)
Meeting #13
July 23, 2008*

Welcome and Introductions

- Action Team TWG Members
- Florida Department of Environmental Protection
- Members of the Public
- Center for Climate Strategies

Agenda

1. Introductions
2. Meeting Purpose and Goals
3. Approval of Prior Call Summary
4. Review of Inventory and Forecast
5. Consideration of Tier 1 and Tier 2 Assignments
6. Review of Policy Option Quantification
7. Review of Next Steps
8. Agenda, Date, and Time for Next Meetings
9. Public Comments
10. Announcements

Approval of Call #12 Summary

- Review and approval of draft meeting summary for ESD TWG meeting #12

Review of Inventory & Forecast

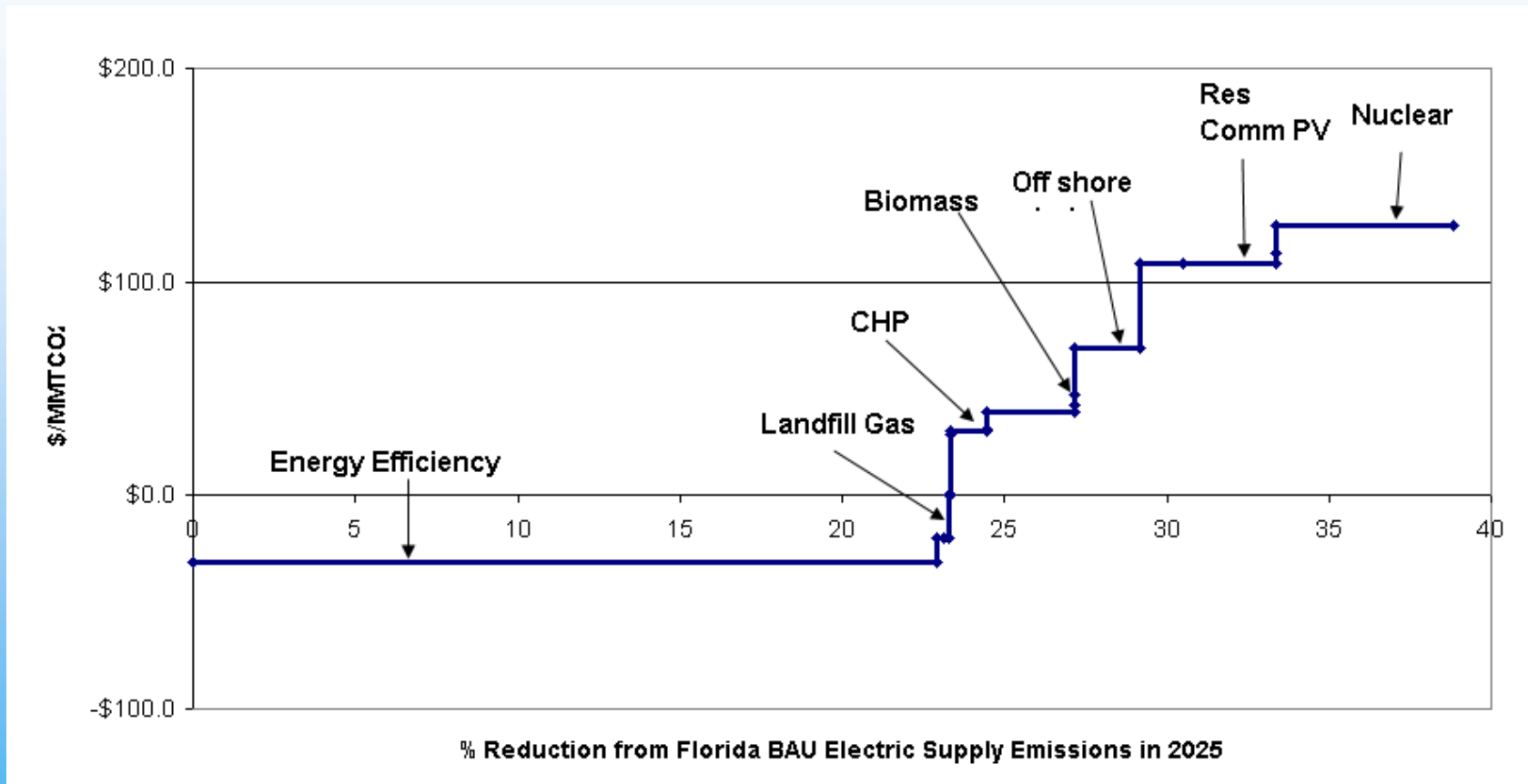
Summary List of Pending Priority Policy Options for Analysis – Tier 1

Policy No.	Policy Option	GHG Reductions (MMtCO ₂ e)			Net Present Value 2009–2025 (Million \$)	Cost- Effective- ness (\$/tCO ₂ e)	Status of Option
		2015	2025	Total 2009- 2025			
Tier 1							
ESD-3	Renewable Energy Incentives and Barrier Removal						Pending
ESD-5	Renewable Portfolio Standard (RPS)						Pending
ESD-6	Nuclear Power						Pending
ESD-8	Combined Heat and Power (CHP) Systems						Pending
ESD-11	Waste-To-Energy (WTE)						Pending
ESD-12	Demand-Side Management (DSM)/Energy Efficiency Programs, Funds, or Goals for Electricity						Pending
ESD-13a	Energy Efficiency for Existing Residential (new name)						Pending
ESD-14	Improved Building Codes for Energy Efficiency						Pending
ESD-15	Training and Education for Building Operators and Community Association Managers	<i>Not to be quantified</i>					Pending
ESD-17	Consumer Education Programs	<i>Not to be quantified</i>					Pending
ESD-23	Decoupling	<i>Not to be quantified</i>					Pending

Summary List of Pending Priority Policy Options for Analysis – Tier 2

Policy No.	Policy Option	GHG Reductions (MMtCO ₂ e)			Net Present Value 2009–2025 (Million \$)	Cost- Effective- ness (\$/tCO ₂ e)	Status of Option
		2015	2025	Total 2009- 2025			
Tier 2							
ESD-1	Technology Research and Development (R&D) with Commercial Opportunities						Pending
ESD-4	Electricity Transmission and Distribution Improvements						Pending
ESD-7	Integrated Resource Planning (IRP)						Pending
ESD-9	Power Plant Efficiency Improvements						Pending
ESD13b & 13c	Incentives for Improved Building Design, Construction, and Operation in the Private Sector – New and Master Planned Communities						Pending
ESD-16	More Stringent Appliance/Equipment Efficiency Standards						Pending
ESD-18	Incentives to Promote Implementation of Customer-Sited Renewable Energy Systems						Pending
ESD-21	Rate Structures and Technologies to Promote Reduced Greenhouse Gas (GHG) Emissions						Pending
ESD-22	Demand-Side Management/Energy Efficiency Programs, Funds, or Goals for Natural Gas						Pending

Notional Cost Curves

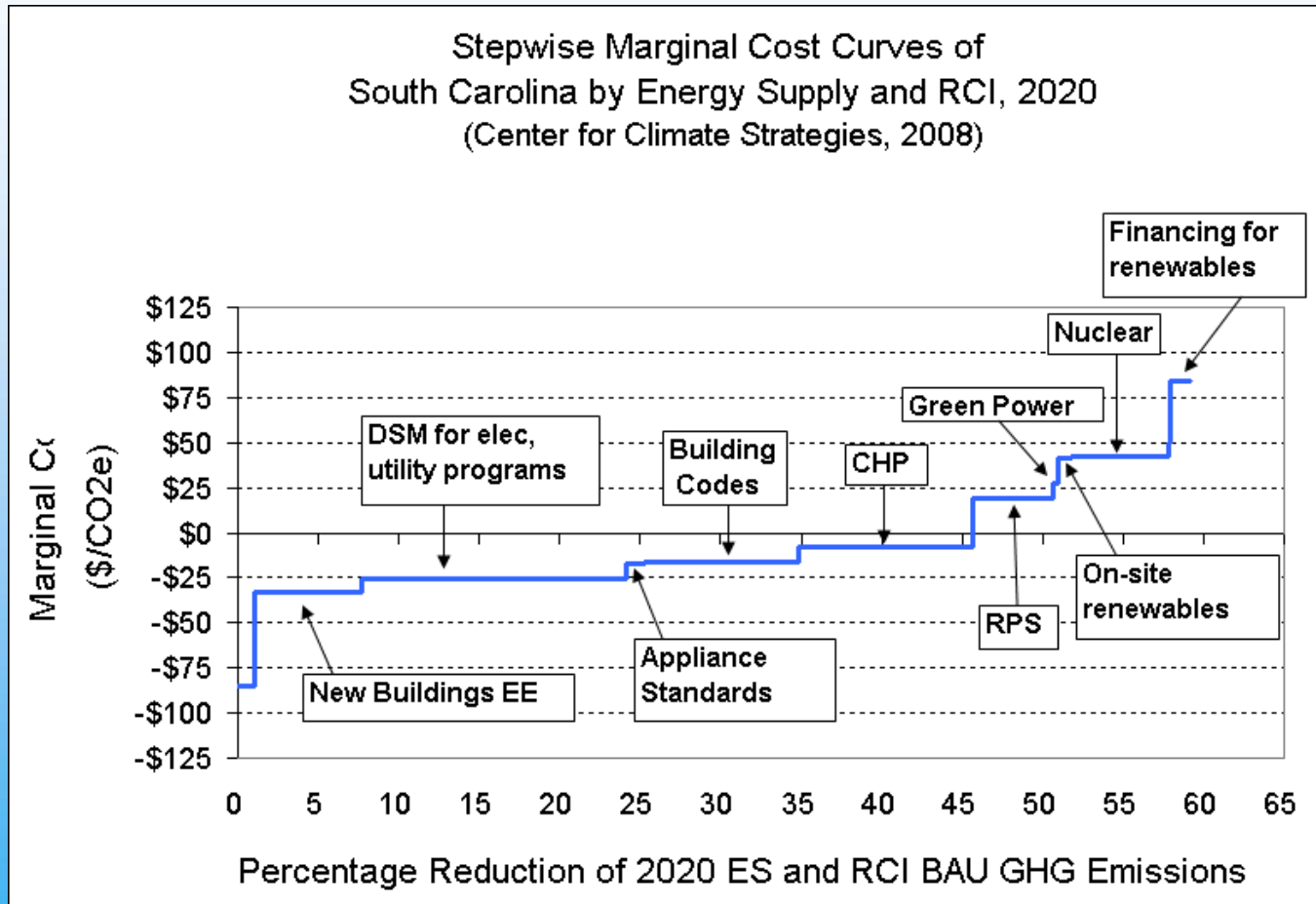


Key Assumptions

Avoided cost estimate: \$58/MWH – placeholder value, needs review

Avoided emissions from reduced electricity demand: 0.73 tons/MWh

SC Marginal Cost Curves



Stepwise Planning Process

1. Get organized
2. Review and refine inventory & forecast of emissions
3. Identify a full range of possible actions
4. Identify initial priorities for analysis
5. Develop straw policy design proposals
6. *Quantify initial GHG reductions and costs/savings*
7. Fully develop policy option templates, including externalities, feasibility issues
8. Develop alternatives to address barriers as needed
9. Aggregate and integrate results
10. Finalize and report recommendations

Development of Policy Options

- Design Template / Matrix
 - Policy description
 - Policy design (goals, timing, parties involved)
 - Potential implementation mechanisms
 - Related policies/programs in place
 - Type(s) of GHG reductions
 - Estimated GHG reductions and costs or cost savings
 - Key uncertainties
 - Types of additional (non-GHG) benefits and or costs
 - Feasibility issues, if needed

Next Steps

- Continue Refinement of Policy Options
- Continued Review, Revisions to ESD I&F

Timing – Action Team Meetings

Date	Location	Action
February 1, 2008	Tallahassee	1 st Action Team meeting
March 17, 2008	Tallahassee	2 nd Action Team meeting
May 29-30, 2008	Tallahassee	3 rd Action Team meeting
July 9-10, 2008	Tallahassee	4 th Action Team meeting
August 6-7, 2008	Orlando	5 th Action Team meeting
August 22, 2008	St. Petersburg	6 th Action Team meeting
September 17-18, 2008	Tallahassee	7 th Action Team Meeting
September 26, 2008	Tallahassee	8 th Action Team Meeting
October 1, 2008		Phase II Final Report due
Between Action Team Meetings		TWG conference calls and meetings

Next TWG Meeting

- Agenda:
 - Continue development of draft policy options
- Next ESD TWG Meeting:
 - July 29 from 1:30-3:30 p.m. EDT



Public Input, Announcements