



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 #17

September 9, 2008

Welcome and Introductions

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

Agenda

- Introductions
- Meeting Purpose and Goals
- Approval of Prior Call Summary
- Discuss Comparison of FRCC Forecast and CCS Draft Inventory and Forecast for Action Team Process
- Complete the Review of Remaining Tier 1 Options (ESD-7 IRP, ESD-12, ESD13a)
- Review Changes and Approve Options ESD-3, ESD-5, ESD-6, ESD-8, ESD-9, and ESD-11 for Action Team Consideration
- Next Steps
- Public Comments
- Announcements

Approval of Call Summary

- Review and approval of draft meeting summary for ESD TWG Call #16

Inventory & Forecast

See ES Comparison Forecast Powerpoint posted on the website.

Notes on Summary List of Priority Policy Options for Analysis

- GHG Reduction and Cost Results for Tier 1 Options in the table that follows have not been updated since the 9/2 call, pending data revisions.
- Revisions to the I&F if any will affect GHG Reductions and Costs of a number of ESD options.

Summary List of Priority Policy Options for Analysis – Tier 1

Policy No.	Policy Option	GHG Reductions (MMtCO ₂ e)			Net Present Value (See Note 2) 2009–2025 (Million \$)	Cost-Effectiveness (\$/tCO ₂ e)	Status of Option	
		2017	2025	Total 2009–2025				
Tier 1								
ESD-3	Renewable Energy Incentives and Barrier Removal [30% by 2025]	21	64	481	\$67,944	\$141	Pending	
ESD-5	Renewable Portfolio Standard (RPS)						Pending	
	Option 1: 20% by 2020	19	58	437	\$56,517	\$129		
	Option % by 2025	16	43	336	\$37,333	\$111		
ESD-6	Nuclear Power	0.0	11.2	69.2	\$1,782	\$26	Pending	
ESD-7	Integrated Resource Planning (IRP)	<i>Not to be quantified</i>						Pending
ESD-8	Combined Heat and Power (CHP) Systems	1.8	2.9	28.3	\$217	\$8	Pending	
ESD-9	Power Plant Efficiency Improvements	9.9	13.6	143.5	–\$1,528	–\$11	Pending	
ESD-11	Waste-To-Energy (WTE)	3.7	8.8	65.4	\$79	\$1	Pending	
ESD-12	Demand-Side Management (DSM)/Energy Efficiency Programs, Funds, or Goals for Electricity	16.0	35.4	277.4	–\$8,767	–\$32	Pending	
ESD-13a	Energy Efficiency in Existing Residential Buildings	3.9	8.0	64.5	\$572	\$9	Pending	
ESD-14	Improved Building Codes for Energy Efficiency	0.0	7.3	14.5	\$33	\$2	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 Priority Policy Options for Analysis – Tier 2

Policy No.	Policy Option	GHG Reductions (MMtCO ₂ e)			Cumulative Net Costs (present value) 2009–2025 (Million \$)	Cost-Effectiveness (\$/tCO ₂ e)	Status of Option
		2017	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-13b	Incentives for New Residential Buildings and Master Planned Communities Achieving High Energy Performance Standards						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 (DSM)/Energy Efficiency Programs, Funds, or Goals for Natural Gas						Pending

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

Agenda for Action Team #6

- Review and Final Approval of Government Policy (GP), Adaptation (ADP) and Agriculture, Forestry and Waste (AFW) Policy Options
- Review of Quantification of Transportation and Land Use (TLU) and Energy Supply & Demand (ESD) Policy Options
- Cap-and-Trade (C&T) Update

ESD Preparation for Action Team Meeting #6

- Initial Review of ESD Policy Options and Draft Quantification by Action Team
- Provide Input to Action Team on Potential Revisions to the Inventory & Forecast

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	Canceled due to Faye
September 17-18, 2008	Tallahassee	6th Action Team Meeting
October 1-2, 2008	Tallahassee	7 th Action Team Meeting
October 15, 2008		Phase II Final Report due
Between Action Team Meetings		TWG conference calls and meetings

Next TWG Meeting

- Agenda:
 - Review and Address Final Action Team Decisions on ESD Policy Options
- Next ESD TWG Meeting:
 - September 23 (Tues) from 1:30-3:30 p.m. EDT



Complete TWG Schedule

Call #18: September 23 (Tues) 1:30-3:30 p.m.

Public Input, Announcements