



Commission on Climate Change

Maryland Climate Change Commission Mitigation Working Group

Energy Supply Technical Work Group

Meeting #11

March 4, 2008

Maryland Department of the Environment
Maryland Energy Administration
Center for Climate Strategies

Call to Order and Roll Call

- Technical Work Group (TWG) Members
- Maryland Department of the Environment (MDE) and Maryland Energy Administration (MEA)
- Members of the Public
- Center for Climate Strategies

Agenda

- Call to order and roll call
- Review and approve call #10 summary
- Review and discuss quantification of priority policy options
- Suggestions for analysis of revised policies
- Discussion of non-RGGI Cap and Trade policy options
- Public Input and Announcements
- Agenda, Time and Date for Next Meeting

Stepwise Planning Process

1. Develop inventory and forecast of emissions - Ongoing
2. Identify a full range of possible actions - **Sept. 7**
3. Identify initial priorities for analysis - **Sept. 28**
4. Develop straw proposals - **Oct. 26**
5. Quantify GHG reductions and costs/savings - Dec/Jan
6. Evaluate externalities, feasibility issues - Dec/Jan
7. Develop alternatives to address barriers - Jan/Feb
8. Aggregate results - Feb
9. Iterate to final agreements - Feb/Mar
10. Finalize and report recommendations - Mar

Review Policy Options

ES-1	Promotion of renewable energy (zoning, siting, incentives for centralized facilities, long-terms contracting, performance-based contracting)
ES-2	Technology-focused initiatives for electricity supply (biomass co-firing, energy storage, fuel cells, landfill gas, clean energy incentives)
ES-3	GHG cap-and-trade
ES-4	CCSR incentives, requirements and/or enabling policies (administration, regulation, liability, incentives)
	Low efficiency
	Medium efficiency
	High efficiency
ES-5	Clean Distributed Generation: standards, incentives and barrier removal for distributed generation, including combined heat and power (CHP), district heating and cooling, landfill gas, solar, fuel cells and other forms of renewable energy.
	Distributed Generation
	Combined Heat & Power
ES-6	Integrated resource planning (IRP) with or without re-regulation and/or state energy plan
ES-7	Renewable and/or Environmental Portfolio Standard (e.g., add CHP and/or EE to RPS as additional tier) and/or Energy Efficiency Portfolio Standard
ES-8	Efficiency improvements and repowering existing plants
	Biomass component
	Repowering component
ES-9	Carbon (GHG) tax
ES-10	Generation performance standards and/or mitigation requirements for electricity

Cap and Trade Next Steps

- Review/Refine Cap and Trade Proposal
- Receive C&T Modeling Analysis
- Receive and Review Remaining Quantification of Policies
- Revise/Refine Policy Option design and implementation

Cap and Trade Issues

- Discussion of non-RGGI Cap and Trade policy options:
 - Will the TWG recommend C&T policies beyond RGGI?
 - What is the geographic area for non-RGGI C&T?
 - MD – only?
 - RGGI region?
 - MD plus which states?
- How will C&T allowances be managed?
 - RGGI
 - 75% discretionary
 - 25% consumer benefit?
 - Non-RGGI?

Cap and Trade Issues

- Discussion of non-RGGI Cap and Trade policy options:
 - Which non-power sectors will be included?
 - Whole economy?
 - Major industrial sources?
 - Transportation?
 - Fuels?
 - Fleets?
 - Non-transportation fossil-fuels (building heating, etc)?
 - Landfills?
 - Waste-to-energy plants?
 - Agriculture?
 - Confined Animal Feeding Operations?
 - Other large-scale agriculture?

Cap and Trade Issues

- Discussion of non-RGGI Cap and Trade policy options:
- How will C&T allowances be managed?
 - RGGI
 - 75% discretionary
 - 25% consumer benefit?
 - Non-RGGI?

Public Input, Announcements

March 4, 2008

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Next ES TWG Meeting

- Date and Location:
 - March 11, 2008
- Agenda:
 - Review quantification of remaining options
 - Redraft PODs to reflect results of analysis and feasibility issues
 - Continue to discuss/decide C&T policy design

