Maryland Greenhouse Gas and Carbon Mitigation Working Group

Meeting #10
May 9, 2008

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

Welcome and Introductions

- Maryland Department of the Environment
- Maryland Energy Administration
- Other Maryland State Agencies
- Maryland Greenhouse Gas and Carbon Mitigation Working Group (MWG)
- Members of the Public
- Center for Climate Strategies

Agenda

- Introductions and Review of the Day's Agenda; Meeting Goals
- Update on MCCC Process
- Review Final Language and Quantifications of Priority Policy Options
  - Cross Cutting
  - Residential, Commercial and Industrial
  - Agriculture, Forestry & Waste
- Working Lunch – "The Cost of Doing Nothing" – Matthais Ruth
- Review & Approve Final Language and Quantifications of Priority Policy Options
  - Energy Supply
  - Transportation & Land Use
- Public Input and Announcements
- Thank You to all

Updates

- Maryland Commission on Climate Change Process
  - Schedule
  - Report Structure Concepts

Stepwise Planning Process

1. Develop inventory and forecast of emissions - Ongoing
2. Identify a full range of possible actions - Sept. 28
3. Identify initial priorities for analysis - Oct. 26
4. Develop straw proposals - Nov. 30
5. Quantify GHG reductions and costs/savings - Jan. 15
6. Evaluate externalities, feasibility issues - Feb. 21
7. Develop alternatives to address barriers
8. Aggregate results; approve consensus options - March 19
9. Iterate to final agreements - *April 22*
10. Finalize report and recommendations - May 9

Policy Option Template

- Policy Description (Concept)
- Policy Design (Goals, Timing, Coverage)
- Implementation Methods
- Related Programs and Policies (BAU)
- Estimated GHG Reductions and Costs/Savings
  - Data Sources, Methods and Assumptions
  - Key Uncertainties
- Additional (non-GHG) Benefits and Costs, as Needed
- Feasibility Issues, if Needed
- ***Status Of Group Approval***
- ***Level of Group Support***
- ***Barriers to Consensus, if any***

Cross-Cutting Issues

(Completed)

1. GHG Inventories and Forecasting
2. GHG Reporting and Registry
3. Statewide GHG Reduction Goals and Targets
4. State and Local Government GHG Emissions (Lead-by-Example)
5. Public Education and Outreach
6. Tax and Cap Policies
7. Review Institutional Capacity to Address Climate Change Issues Including Seeking Funding for Implementation of Climate Action Panel Recommendations
8. Participate in Regional, Multi-State and National GHG Reduction Efforts
9. Promote Economic Development Opportunities Associated with Reducing GHG Emissions in Maryland
10. Create Capacity to Address Climate Change Issues in an "After Peak Oil" Context
11. Evaluate Climate Change Policy Options to Determine Projected Public Health Risks, Costs, and Benefits

Residential, Commercial Industrial

(Completed)

1. Improved Building and Trade Codes and Beyond-Code Building Design and Construction in the Private Sector
2. Demand-Side Management (DSM)/Energy Efficiency Programs, Funds, or Goals for Electricity (Including Expansion of Existing Programs and Peak Load Reduction)
3. Low-cost Loans for Energy Efficiency
4. Improved Design, Construction, Appliances, and Lighting in New and Existing State and Local Government Buildings, Facilities and Operations: "Government Lead-by-Example"
5. Energy Efficiency and Environmental Impacts Awareness and Instruction
6. Promotion and Incentives for Improved Design and Construction (e.g., LEED, Green Buildings, or Minimum % Improvement Beyond Code) in the Private Sector
7. More Stringent Appliance/Equipment Efficiency Standards (State-level, or Advocacy for Regional or Federal-level Standards)
8. Rate structures and Technologies to Promote Reduced GHG Emissions (Including Peak Pricing and Inverted Block Surcharge)
9. GHG or Carbon Tax
10. Energy Efficiency Resource Standard (EERS)
11. Promotion and Incentives for Energy Efficient Lighting

Ag, Forestry, & Waste

(Completed)

1. Forest Management for Enhanced Carbon Sequestration
2. Managing Urban Trees and Forests for Greenhouse Gas Benefits
3. Afforestation, Reforestation and Restoration of Forests and Wetlands
4. Protection and Conservation of Agricultural Land, Coastal Wetlands and Forested Land
5. "Buy Local" Programs for Sustainable Agriculture, Wood and Wood Products
6. Expanded Use of Forest and Farm Feedstocks and By-Products for Energy Production
7. In-State Liquid Biofuels Production
8. Nutrient Trading with Carbon Benefits
9. Waste Management through Source Reduction & Advanced Recycling

Break

The Cost of Doing Nothing

Matthais Ruth

May 9, 2008

Energy Supply

1. Promotion of Renewable Energy Resources
2. Technology-Focused Initiatives for Electricity Supply
3. Cap-and-Trade
4. CCSR Incentives, Requirements and/or Enabling Policies
5. Clean Distributed Generation (Renewables and Combined Heat and Power)
6. Integrated Resource Planning
7. Renewable Portfolio Standard
8. Efficiency Improvements and Repowering Existing Plants
9. Carbon (GHG) Tax
10. Generation Performance Standard

Transportation & Land Use

1. Carbon Fuel Tax Fund
2. Land Use and Location Efficiency
3. Transit
4. Low Greenhouse Gas Fuel Standard
5. Intercity Travel: Aviation, High Speed Rail, Bus and Freight
6. Pay-as-you-Drive Insurance
7. *VMT Budgets (combined with TLU-2)*
8. Bike and Pedestrian Infrastructure
9. Pricing Measures
10. Transportation Technologies
11. Evaluate the GHG Emissions Impacts of Major Projects

Aggregation

[Graph to be inserted]

Next Steps

TWG/MWG

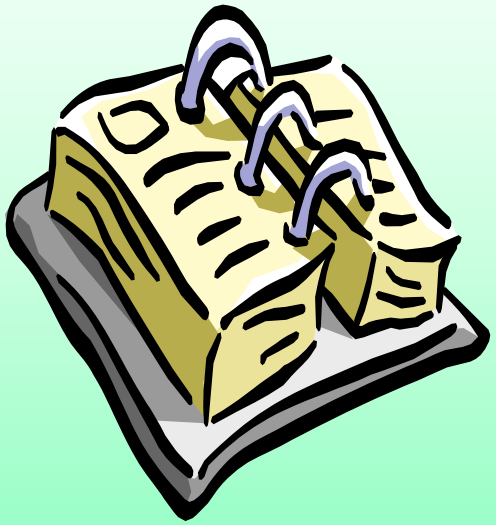
- Review Draft of Final Report for accuracy and comments *(today)*

MCCC

- May 29 – Review compilation of all Options in first draft Report format and comment
- June 13 – Review second draft of Final Report
- June 18 – Approve Final Report for conveying to Governor June 19

Next MCCC Meeting

- May 29



Public Input, Announcements

Thank You!