



# Maryland Climate Change Commission Mitigation Working Group

## **Residential, Commercial & Industrial Technical Work Group**

Meeting #10

January 11, 2008

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

# Today's Agenda

- Call to order and roll call
- Review and approval of prior call summary
- Review of stepwise process
- Agenda, date and time for next meeting
- Review of initial results of quantitative analysis
- Questions on the draft Emissions Inventory & Forecast
- Planning and next steps in process
- Public input and announcements

# Stepwise Planning Process

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

# TWG Roles

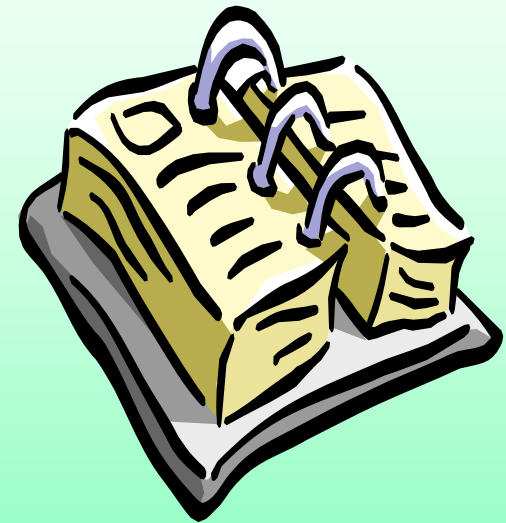
- Assist MWG
  - Identify potential state actions
  - Identify potential priorities for analysis
  - Identify Fast Track Options
  - Suggest straw policy designs
  - Assist with analysis and review of options
  - Assist with development of policy alternatives
  - Assist with input to and review of MWG reports
  - Review and assist with the state GHG inventory and forecast

# Key Dates

<u>Date</u>	<u>Meeting</u>
January 15, 2007	6 <sup>th</sup> MWG Meeting
February 19, 2007	7 <sup>th</sup> MWG Meeting
March 19, 2007	8 <sup>th</sup> MWG Meeting
April 20, 2007	Final Report
Between MWG Meetings	Technical Working Group (TWG) Calls and/or Meetings

# Next TWG Meeting

- Date and Time
  - Tues., Jan. 22, 2008,  
2:00 PM – 4:00 PM
- Agenda
  - Review of MWG Meeting
  - Review of 2<sup>nd</sup> round of results of quantitative analysis
  - Development of the implementation mechanisms section of the straw proposal



# TWG Meetings

<b>MWG Meeting #</b>	<b>MWG Meeting Date</b>	<b>TWG Meeting #</b>	<b>TWG Meeting Dates</b>
6	Jan. 15, 2007	11	Jan. 22, 2008 (Tues), 2:00-4:00 PM
		12	Feb. 6, 2008 (Tues), 2:00-4:00 PM
7	Feb. 19, 2007	13	Mar. 4, 2008 (Tues), 2:00-4:00 PM – if needed
8	Mar. 19, 2007		
Final Report	Apr. 20, 2007		

# TWG Next Steps

- Today:
  - Review initial results of quantification of costs and benefits
- Next meetings:
  - Discuss recommendations for modifying Maryland emissions inventory and projections (I&F)
  - Discuss Implementation Mechanisms, Key Uncertainties, Additional Benefits and Costs, and Feasibility Issues sections of the straw proposal

# Priority Policy Options

Option No.	Draft Policy Option Name
RCI-1	Improved Building Codes for Energy Efficiency
RCI-2	Demand-Side Management (DSM)/Energy Efficiency Programs, Funds, or Goals for Electricity and Natural Gas (including expansion of existing programs and peak load reduction)
RCI-3	Low-cost loans for energy efficiency
RCI-4	Improved design, construction, appliances, and lighting in new and existing state and local government buildings, "Government Lead-by-example"
RCI-5	Energy Efficiency and Environmental Impacts Awareness and Instruction in School Curricula
RCI-6	Promotion and Incentives for Improved Design and Construction (e.g. LEED, green buildings, or minimum % improvement better than code) in the Private Sector
RCI-7	More Stringent Appliance/Equipment Efficiency Standards ( <i>state-level, or advocate for regional or federal-level standards</i> )
RCI-8	Rate structures and Technologies to Promote Reduced GHG Emissions (including inverted block rates)
RCI-9	GHG or Carbon Tax
RCI-10	Energy Efficiency Resource Standard (EERS)
RCI-11	Phase out incandescent light bulbs in state

# Policy Proposal Template

- Policy description
- Policy design
- Potential implementation mechanisms
- Related policies/programs in place
- Type(s) of GHG reductions
- Estimated GHG savings and cost per MtCO<sub>2</sub>e
- Key uncertainties
- Types of additional (non-GHG) benefits and or costs
- Description of feasibility issues, if needed
- Status of group approval
- Level of group support
- Barriers to consensus

# Initial Quantification Results

*See separate policy option document.*

# MD GHG Reduction Goals

- **2015**
  - 10% below 2006 levels by 2012
  - 15% below 2006 levels by 2015 (consumption based)
- **2020**
  - 25-50% below 2006 levels (min. to aspiration)
- **2050**
  - 90% below 2006 levels (80% from 1990)
- **2100** - Zero emissions = carbon neutral.
- Review every 4 years

# Public Input, Announcements

January 11, 2008

[www.mdclimatechange.us](http://www.mdclimatechange.us)  
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