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MEETING SUMMARY
MARYLAND CLIMATE CHANGE ADVISORY GROUP
Residential, Commercial and Industrial Technical Work Group
(RCI TWG)

Meeting #8, December 19, 2007

Attendance:

Technical Working Group: Dr. Paul Chan, Todd Chason, Brad Heavner, John Kumm, William Livingston, Mike Mallinoff, Matthias Ruth

Maryland State Department Representatives: Liz Entwisle, Jim Lewis

Center for Climate Strategies (CCS): Christopher James, Alice Napoleon, Kenji Takahashi, Jennifer Kallay

Public Attendees: Jeff King

Background documents:

(http://www.mdclimatechange.us/GHG_Residential_Commercial_Industrial.cfm)

- Meeting Notice and Agenda
- Meeting #7 Summary
- PowerPoint for Meeting
- RCI Policy Option Document

Discussion items and key issues:

1. CCS called the meeting to order, completed the roll call, and reviewed the agenda and plans for the call.
2. There were no objections to the draft summary of Call #7. The meeting notes were approved.
3. Chris presented the MWG meeting schedule. Liz Entwisle said that the date shown on the powerpoint for the next MWG meeting, Jan 16, is incorrect. It should be Jan 15. The meeting will be held at MDE headquarters.
4. Chris went over the proposed schedule for the remaining RCI TWG meetings, noting that it is very fast. At the 10th meeting, the TWG will go over results of CCS's analysis of the policies. In February, the TWG and MWG will be finalizing the policies, and in March the MWG will decide which policies to recommend for inclusion in the report to the Governor.

5. Alice gave an overview of quantitative methods, including indirect and direct effects, geographic inclusion, non-GHG impacts and costs, cumulative impacts, and cost effectiveness. She noted that the MWG has not yet determined the discount rate. There was some discussion on whether the rate should be lower than 5%.
6. The former RCI-10 (White Roofs, Rooftop Gardens, Landscaping (including Shade Tree Programs), and solar electric panels) was merged into RCI-4 & RCI-6. There were no objections to re-numbering policy options RCI-11 & RCI-12 to RCI-10 & RCI-11, respectively.
7. For the current meeting, CCS identified quantitative methods for analysis of the GHG emission reduction benefits and costs of the policy options.

RCI-1:

Alice Napoleon noted that she made substantial edits to the policy proposal in order to more clearly define the policy for analysis. All of the text was retained, but some was moved to other sections, e.g. implementation mechanisms.

CCS asked whether adoption of codes at the state level would necessarily roll out to cities or counties. Maryland is a home rule state. Counties adopt some sort of code and notify the state what they adopted. In theory, the Maryland Department of Housing and Community Development's Code Lynx should have all code data.

Concern was expressed that CCS did not propose to specifically model LEED or Architecture 2030.

Additional resources were noted by the TWG:

- U.S. Green Building Council (LEED rating system)
- International Code Council

There were no objections to moving the policy option forward for analysis.

RCI-2:

CCS noted that it found the cost of energy efficiency measures in PEPCo and BGE filings.

CCS asked the TWG for clarification on the goal after 2015, in the absence of an energy efficiency potential study. No feedback was provided.

Information on RGGI allowance auction proceeds is available from a University of Maryland report, Economic and Energy Impacts from Maryland's Potential Participation in the Regional Greenhouse Gas Initiative. Chris noted that this report is marked as a draft; Matthias Ruth said he would check the status of the report.

There were no objections to moving the policy option forward for analysis.

RCI-3:

CCS made substantial edits to the policy proposal in order to more clearly define the policy for analysis. As with RCI-1, all of the text was retained, but some was moved to other sections.

CCS requested data from the TWG on low-income electricity & fuel consumption, and on penetration rates for different sectors. In the absence of other resources, CCS will use data from the NH PAYS program.

There were no objections to moving the policy option forward for analysis.

RCI-4:

A question was raised about whether this policy would include public schools; Alice indicated that it seemed to.

Mike Mallinoff said he would send resources if he receives them in time. For building characteristics, the TWG referred CCS to the Maryland Municipal League and Maryland Association of Counties. Additional resources were noted by the TWG:

- Community development block grants
- Department of Budget and Management has data on state buildings
- Maryland Stadium Authority, mdstad.com

There were no objections to moving the policy option forward for analysis.

RCI-5:

CCS does not propose to quantify the emissions reductions from this policy. There were no objections to this approach.

RCI-6:

CCS suggested a change in goals, because they overlapped heavily. There were no objections to this suggestion.

RCI-7:

CCS noted that the recently passed federal energy legislation might obviate the need for this policy.

There were no objections to moving the policy option forward for analysis.

RCI-8:

The TWG discussed whether there would be a low-income exclusion from this program. CCS noted that the policy called for an investigation into this issue, but that we need data to be able to analyze it. It was noted that eligibility for the low income Electric Universal Service Program was defined by up to 150% of the federal poverty level. The TWG also suggested the Office of Home Energy Programs as a data source.

It is assumed that only residential SOS customers will be covered by this policy, because commercial and industrial businesses are largely not on SOS and are likely to switch suppliers if they are put in a tiered rate program.

CCS requested information on the status of existing meters in the state, and the schedule for replacing them. No feedback was provided.

There were no objections to moving the policy option forward for analysis.

RCI-9:

Alice noted that she is coordinating with the ES TWG on the development of this policy, and that ES is a bit behind RCI. More information will be available for the January 8 meeting.

RCI-10:

The amount of funds from RGGI would be drawn from the University of Maryland report.

There were no objections to moving the policy option forward for analysis.

RCI-11:

CCS suggested using national data and scaling it to Maryland for the analysis of this policy.

There were no objections to moving the policy option forward for analysis.

8. Public input or announcements: none

Next steps and agreements:

1. The next RCI TWG meeting will be held on **Thursday, January 3, 2008 from 2:00 PM to 4:00 PM EST.** At that meeting, Randy Strait (CCS) will walk the TWG through the draft inventory and forecast (I&F). The TWG can suggest modifications to the draft I&F.
2. RCI TWG meeting #10 will be held on Friday, January 11, 2008, from 10:00 AM to 12:00 PM EST. At that meeting, CCS will present the initial results of quantitative analysis of the costs and benefits of the policy options.
3. The remaining TWG meetings were scheduled as follows:
 - a. Teleconference Call #11 of the RCI TWG will be Tuesday, January 22, 2008 from 2:00 PM to 4:00 PM EST.

- b. Teleconference Call #12 of the RCI TWG will be Tuesday, February 6, 2008 from 2:00 PM to 4:00 PM EST.
- c. Teleconference Call #13 of the RCI TWG will be Tuesday, March 4, 2008 from 2:00 PM to 4:00 PM EST. (if needed)