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MEETING SUMMARY
MICHIGAN CLIMATE ACTION COUNCIL

Agriculture, Forestry, and Waste Technical Work Group (TWG)
(AFW TWG)

Call #8, August 7, 2008, 1:00 PM – 3:00 PM EDT

Attendance:

1. Technical Working Group members:
Jeff Andresen, Jim Byrum, Cara Boucher, Ken Dahlberg, Jordan Devries,
Donna LaCourt, Jan Patrick, Duane Roskoskey, Tom Stanton, Carrie
Vollmer-Sanders, Brian Warner
2. Center for Climate Strategies (CCS) staff:
Steve Roe, Rachel Anderson, Brad Strode, Jackson Schreiber, Jennifer
Jenkins
3. Michigan Department of Environmental Quality:
Terri Novak
4. State Agency Participants:
5. Public Attendees: Becky Cook, Chris Theriot.

Background documents:

(all posted at <http://www.miclimatechange.us/AFW.cfm>)

1. Meeting Notice and Agenda
2. Summary of Call #7
3. PowerPoint Presentation for Teleconference
4. Straw Proposals with feedback from MCAC

Discussion items and key issues:

1. Steve Roe called the meeting to order, Rachel Anderson completed the roll call, and Steve reviewed the agenda and plans for the call.
2. CCS reviewed today's agenda, which will be to discuss updates to the Inventory & Forecast as well as review quantification of the Policy Options (in backwards order since the last options tend to get less time spent on them on the calls).

3. CCS reviewed the Call #7 minutes and provided an opportunity for TWG members to provide feedback. The call summary was accepted without additional changes.
4. Steve reviewed the updates to the Inventory & Forecast appendices. Appendices with edits shown in track changes are posted on the website. DNR indicated that the forestry appendix looked a lot better. The Agriculture appendix has updated growth factors. CCS will check EPA's SIT model and see if climate assumptions were included for livestock emissions (warm, temperate, or cool) and will remove the last sentence that refers to non-farm fertilizer usage.
5. The following is the list of CCS technical contacts. Please send quantification data and feedback to the appropriate technical contact as follows:
 - a. AFW-1 Expanded Use of Biomass Feedstocks for Electricity, Heat, or Steam Production – **Joe**
 - b. AFW-2 In-State Liquid Biofuels Production – **Rachel**
 - c. AFW-3 Methane Capture and Utilization from Manure and Other Biological Waste – **Joe**
 - d. AFW-4 Expanded Use of Bio-based Materials – **Rachel** (bio-plastics), **Jen** (embedded carbon content in long-lived wood products)
 - e. AFW-5 Land Use Management that Promotes Permanent Cover – **Jackson and Joe** (ag lands and wetlands), **Jen** (forestry)
 - f. Forestry and Agricultural Land Protection – **Jackson and Joe** (ag lands and wetlands), **Jen** (forestry)
 - g. Promotion of Farming Practices that Achieve GHG Benefits – **Jackson**
 - h. Forest Management for Carbon Sequestration and Biodiversity – **Jen**
 - i. Source Reduction, Advanced Recycling, and Organics Management – **Brad**
 - j. Landfill Methane Energy Programs – **Brad**
6. Email addresses for CCS technical contacts are as follows:
 - a. brad.strode@pechan.com
 - b. jackson.schreiber@pechan.com
 - c. j.jenkins@carbodynamicsllc.com
 - d. joe.pryor@pechan.com
 - e. rachel.anderson@pechan.com
7. CCS reviewed the Quantification Memo. A member noted that fertilizer prices have probably doubled since last April. Jim Byrum offered to supply new fertilizer prices. With regards to prices of forest biomass, Donna LaCourt offered to provide a contact for more appropriate prices. If MDEQ has information on yard waste that would be helpful. Otherwise we will use national data.
8. If TWG members have issues with any of the policies please feel free to bring it up on this call or email CCS. We will include a note on the level of TWG support for each option.
9. CCS reviewed the waste options and requests that TWG members please send data to Brad Strode including any capital costs for landfill methane collection.

Tom Stanton noted he has contacts in the landfill business. Members noted there this is a high degree of exportation of waste to MI landfills from Canada and asked if the group wants to potentially introduce an implementation mechanism to address it? A member noted that much of Canadian waste is non-organic. The CCS technical leads need data on amount of waste generated/recycled. For waste composition DEQ suggests using a study from WI as a proxy for MI data.

10. CCS reviewed the forestry options. AFW-8 refers to increasing stock on current forest land, not increasing the amount of forest land. Cara Boucher and Donna LaCourt will be providing information on stock levels and types of forest growth. It was also suggested that new numbers should be used for CRP payment levels and farm rents. It was decided that the forestry sub-option of AFW-6 will not be quantified.
11. A member noted that for all options implementation should not be before 2010 since this report won't be presented until 2009 at the earliest at it will take time to implement programs, regulations, or legislation related to the policy options.
12. CCS began to review the farming options beginning with AFW-7. TWG members indicated that no-till and conservation tillage should not be lumped together and suggested just quantifying conservation tillage. It was also suggested that rate of application of fertilizer should be replaced with increased efficiency since they are not the same.
13. CCS noted the time and motioned that the TWG add another conference call to the schedule so that the rest of the options can be covered. It was proposed that the TWG hold a call on August 21, 2008 from 1-3 pm EDT. The group will pick up where it left off at AFW-7 Nutrient Management.
14. For AFW-8 through 10, TWG members voiced no concerns with moving forward based on the direction for design and quantification of each option.
15. Public comments: Becky Cook from DETE Energy/Biomass Energy offered to provide data on landfill costs. Chris Theriot commended the group for its work.

Next steps and agreements:

1. The next TWG meeting will be held on Thursday, August 21st, from 1:00 - 3:00 pm EDT. Please RSVP to Terri Novak novaktl@michigan.gov 517.930.3170, if you will be attending in person in the DEQ ESSD small conference room, first floor north, (Bob room) at Constitution Hall.
2. Dates for upcoming TWG conference calls:
 - a. August 21st, 1-3 PM EDT.
 - b. September 25th, 1-3 PM
 - c. October 30th, 1-3 PM.