

DRAFT MEETING SUMMARY
Montana Climate Change Advisory Committee
Agriculture, Forestry & Waste Management
Technical Work Group
Call #10, May 9, 2007

Attendance:

1. TWG Members: Robert Boettcher, Trudy Peterson, Lowell Whitney, Julie Andrews
2. Public: None
3. CCS: Steve Roe, Katie Bickel
4. DEQ: Lou Moore, Jeff Blend, Pat Crowley, Lisa Peterson, Sonya Lee (State of MT Legislative Services)

Background documents:

(all posted at http://www.mtclimatechange.us/Agriculture_Forestry.cfm)

1. Agenda
2. Draft Summary of AFW TWG Call#9
3. Power Point Presentation to the AFW TWG
4. MT AFW Policy Options and Biomass Policy Linkages Diagram (not posted; distributed via email prior to the call)

Discussion and conclusions:

1. CCS Reviewed the Agenda and asked whether the TWG had any changes to the Call #9 Summary. No changes were necessary.
2. CCS provided an update on the GHG Inventory and Forecast. The forestry estimates have been updated and reviewed by a member of the Science Steering Committee. The revised estimate of 36 MMtCO₂e is lower than the original estimate of nearly 50 MMtCO₂e. One TWG member asked if his feedback had been incorporated. Some follow-up by CCS has taken place. An additional phone call by CCS will be made to the Ogden Research Lab for insight as to the recent change in FIA forest area.
3. DEQ noted they would like to have the capacity to update and revise estimates on their own and requested information on the specific steps. CCS noted a key contact in the USFS who can provide the relevant information. This need can be discussed further. CCS mentioned that a new version of the SGIT GHG inventory tool from EPA is now available. CCS will be re-running some estimates in the waste management sector using the new tool.

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4. CCS reviewed the policy options document, noting this is a very dynamic process with many people providing input. CCS reviewed the summary table on the first page, and noted their intent to complete the table within the next month.
5. Highlighting in the document denotes changes in the document since the last version.
6. CCS reviewed quantification methods for each of the options that have been quantified to date. TWG members asked clarifying questions and CCS noted gaps and data needs.
7. AFW-1: Includes quantification of conversion to no-till agriculture. The organic component may not be quantifiable given limited information on the GHG reductions and specific MT crop systems that would produce net GHG benefits. Net costs are currently zero. CCS asked for TWG input on the cost assumptions. Rick Fesching at NRCS was suggested as a good contact for finding more MT specific data for this option. A TWG member offered to call him and also indicated he would send additional data on fuel savings from no-till agriculture.
8. AFW-2: Original estimates shown in the table have been revised. Revised numbers are as follows: 2010 reductions of 0.02 MMtCO₂e, 2020 reductions of 0.24 MMtCO₂e, cumulative reductions of 1.8 MMtCO₂e, NPV of \$79 million, cost effectiveness of \$44/ton.
9. AFW-7: additional data has been provided by the TWG on feedstocks available and current use; it was noted that AFW-7 includes feedstocks contributing to ethanol production, which can help meet the needs for feedstocks in AFW-3. The goal level in AFW-7 was converted from green tons to dry tons (originally 900,000 additional green tons, now reads 450,000 additional dry tons). An additional sentence will be added to the "Other" section to clarify that the goal takes into account feasibility issues and inaccessibility of some available forest biomass.
10. AFW-8: the TWG suggested adjusting assumptions about the proportion of forest types restocked to take into account the natural capacity for Lodgepole pine to regenerate after a fire. The revised ratios are: 50% Douglas fir, 15% Lodgepole pine, and 35% Ponderosa pine.
11. AFW-9. There is a need to refine what is meant by a 20% production increase under the goal. The analysis currently assumes that forest management can translate into a 20% increase in forest growth (i.e., carbon sequestration) and 20% increase in harvest volume coming from the targeted acres. Further discussion is needed to refine the meaning and reflect it in the analysis. Also, the TWG suggested modifying the harvest rate to 1.3% (down from 3%) based on current harvest levels in MT.
12. Refinements to some terminology in AFW-12 were discussed (use of the term "diversion" in the goals instead of "recycling rate").
13. CCS introduced a biomass supply diagram that is under development as a means to track the flow of biomass across AFW, TLU, RCI and ES options.

Next steps:

1. Next TWG call May 25, 2007, 2:00-4:00 p.m.

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2. CCS will review outcomes of the CCAC meeting; the TWG will continue to review draft language and analysis of policy options.

**MT AFW Volunteers for Policy Option Development
(Additional volunteers are requested)**

Option #	GHG Reduction Policy Option	Volunteers
AFW-1	Agricultural Soil Carbon Management Programs	T. Peterson; D. Kelsey; R. Bricklemyer; C. Watters, R. Boettcher
AFW-2	Biodiesel Production (incentives for feedstocks and production plants)	C. Watters, D. Kelsey, B. Bahr
AFW-3	Ethanol Production	R. Liebert, C. Watters, J. Blend
AFW-4	Incentives for Maintenance of Conservation Reserve Program (CRP) Acreage	T. Dodge, R. Bricklemyer, L. Saul
AFW-5	Preserve Open Space & Working Lands	L. Whitney, R. Liebert, L. Saul, J. Blend
AFW-6	Forest Health Programs for Carbon Management	B. Habeck, N. Sampson; S. Miller
AFW-7	Expanded Use of Forest Biomass Feedstocks for Energy Use	P. Crowley, N. Sampson, S. Miller
AFW-8	Afforestation and Reforestation Programs	N. Sampson, L. Whitney, B. Habeck
AFW-9	Improved Management and Restoration of Existing Stands	L. Whitney, B. Habeck
AFW-10	Expanded Use of Wood Products for Building Materials	B. Bahr, L. Whitney
AFW-11	Programs to Promote Local Food & Fiber	L. Saul, R. Liebert, C. Watters, R. Boettcher
AFW-12	Enhanced Solid Waste Recovery & Recycling	P. Crowley, B. Bahr
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