



MEETING SUMMARY
MONTANA CLIMATE CHANGE ADVISORY COMMITTEE (CCAC)
Residential, Commercial and Industrial Sector TECHNICAL WORK GROUP
(RCI TWG)

Call #3, November 14, 2006, 2:00pm to 3:30pm

Attendance:

1. Technical Working Group members:
 - Jeff Chaffee Bison Engineering
 - Andrew Epple (AICP) City of Bozeman
 - Terry Holzer Yellowstone Valley Electric Cooperative
 - Pat Judge MT Environmental Information Center
 - Krista Partridge Kema
 - Dave Ryan National Center for Appropriate Technology
 - Steve Loken Center for Resource Building Technology

2. Center for Climate Strategies (CCS) staff:
 - Alison Bailie
 - Michael Lazarus
 - David Von Hippel

3. Montana Department of Environment Quality (MT DEQ) Liaison and Attendees:
 - Jim Boyer
 - Eric Merchant
 - Brian Green
 - Lou Moore
 - Lisa Peterson

4. Public Attendees: None

5. Observers: None

Background documents:

(all posted at [http://www.mtclimatechange.us/Residential Commercial.cfm](http://www.mtclimatechange.us/Residential_Commercial.cfm))

1. Agenda
2. Summary of RCI TWG Call #2, 10/24/06
3. Powerpoint presentation for meeting
4. Revised Catalog of State Climate Mitigation Options

5. Preliminary Results for Assignment of Top Priority Residential, Commercial and Industrial Options for Elaboration and Analysis, as of November 14, 2006
6. Draft Option Consolidation Memo
7. Option Description Template
8. Sample Straw Proposals

Discussion items and key issues:

1. Call to order and Introduction of TWG members
David Von Hippel officially started the meeting at 2:00pm on November 14, 2006 with a roll call of TWG members and other attendees.
2. Review of Agenda
Michael Lazarus reviewed the agenda for and purpose of the Call referring to the PowerPoint presentation prepared for the teleconference.
3. Review of Summary of RCI Call #2
TWG members had no comments on the Summary for RCI Call #2
4. Prioritization and review of voting on options.
TWG members reviewed the voting results and comments and agreed to consider all options receiving 5 or more votes as high priority options. These are indicated in bold below. The group then discussed and commented on other options (as indicated in the table below).
5. GHG Mitigation Option template and next steps
The CCS team reviewed the template for description of Mitigation Options and discussed next steps as listed below.

New Option No.	Existing Option No.	Option	Preliminary List of Volunteers for High Priority Options*	Comments on other options
RCI-1	A.1	Demand Side Management Programs, Efficiency Funds and Requirements	Terry H. (ground-source heat pump), Steve L., Dave R., Krista P.	
RCI-2	A.2	Market Transformation and Technology Development Programs	Same as A.1	
RCI-3	B.1	State Level Appliance Efficiency Standards and State Support for Improved Federal Standards	Brian G.,	
RCI-4	C.1	Building Energy Codes	Andy E., Brian G., Lisa P.	
RCI-5	C.2	“Beyond Code” Building Design Incentives and Mandatory Programs	Terry H., Steve L., Andy E.	

New Option No.	Existing Option No.	Option	Preliminary List of Volunteers for High Priority Options*	Comments on other options
	C.3	Building Commissioning, Recommissioning, Retrocommissioning, and Operations Improvements		This can be part of the implementation of A.2 (Market Transformation) as it is in the work of the Northwest Energy Efficiency Alliance
	C.4	Alternative Building Designs, Materials and Construction Practices		Can be viewed as part of C.2.
	C.5	Urban, Town and Subdivision Design		Treated by TLU
RCI-6	D.1	Consumer Education Programs	Dave R., Krista P., Terry H.	
	D.2	Introduce in School Curriculum		Roll into D.1 (Consumer Education)
	E.1	Green Power Purchasing		Leave as low/medium priority.
	E.2	Bulk Purchasing Programs for Energy Efficiency or Other Equipment		Could be part of A.1 (DSM)
	E.3	Time of Use Rates		Combine E.3 and E.4; note some pilot programs underway; PSC has guidelines that utilities haven't yet implemented; leave as low/medium priority.
	E.4	Tiered (inclining block) rates		
RCI-7	F.1	Support for Implementation of Clean Combined Heat and Power	Dave R., Steve L.,	
RCI-8	F.2	Support for Renewable Energy Applications	Pat J., Dave R., Eric M.	
	F.3	Targeted support for specific sectors or end-uses (please indicate which)		Leave as low/medium priority
	G.1	Non-Energy Emissions Reduction Initiatives		Leave as low/medium priority
	G.2	Industrial Sector Emissions Cap and Trade Programs	Terry H. (follow up review),	Combine G2 and G3, leave as medium priority, pending review of updated inventory information
	G.3	Cement Production and Blending		
	G.4	Voluntary Emissions Reduction Measures		Leave as low/medium priority
RCI-9	G.5	Carbon Tax	Pat J., Terry H., Jeff C., Eric M.	Structure recommendation to ensure limited impact on low-income communities. Consider the "credit/benefit" side of the policy.
RCI-10	H.1	Industrial Energy Audits and Recommended Measure Implementation	Dave R.,	
RCI-11	H.2	Low-income energy efficiency programs	Terry H., Dave R.	
	H.3	Water Use Reduction		

6. Call to the public and Announcements

There was no public input to this meeting, and were no additional announcements

Next steps and agreements:

1. CCS will circulate the above list to solicit additional volunteers, especially among TWG members not present when volunteering took place.
2. At the next CCAC meeting, scheduled to be on December 14, 2006, the above list of priority options will be reviewed. Subsequent to the meeting, CCS will be in touch with TWG volunteers with a plan to proceed in drafting the option descriptions. This may occur via email exchange and/or in small group calls. CCS will provide TWG volunteers with information as available on how similar options have been pursued in other states and regions.
3. TWG volunteers and the CCS team will develop draft descriptions of the priority options approved by the CCAC. The goal is to have draft descriptions available by early/mid January.
4. The next Teleconference Meeting of the RCI Technical Working group will be scheduled approximately one week after this description "due date", most likely during the week of January 22-26. The main agenda items for TWG meeting #4 will be the review and revision, as necessary, of the draft descriptions and review of the updates to the inventory and projections.