



MEETING SUMMARY
MONTANA CLIMATE CHANGE ADVISORY COMMITTEE
ENERGY SUPPLY TECHNICAL WORK GROUP (ES TWG)
Call #1, September 6, 2006, 10:00am to 12:00pm

Attendance:

1. Technical Working Group members:
 - Buck Buchanan Teacher
 - Bill Drummond Montana Western G&T
 - Bob Green Rio Tinto Energy America
 - Tim Gregori Southern Montana Electric
 - Mary Fitzpatrick Self-employed
 - Mark Lambrecht PPL Montana
 - Chuck McGraw Natural Resources Defense Council
 - Shane Mogensen Nance Petroleum
 - Bob Raney MT Public Service Commission
 - Ken Thornton Citizens for Clean Energy

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:
 - Jeff Blend
 - Lisa Peterson
 - Lou Moore
 - Dan Walsh

4. Public Attendees: None

5. Observers: None

Background documents:

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

1. Agenda
2. Powerpoint presentation for meeting
3. Catalog of State Climate Mitigation Options

4. MT GHG Inventory and Reference Case Projections 1990-2020 (update sent by email to TWG group members on September 5, 2006).

Discussion items and key issues:

1. Call to order and Introduction of TWG members

David Von Hippel officially started the meeting at 10:00am on September 6, 2006 with attendee roll call and introductions of TWG members and other attendees.

2. Review of TWG organizations and logistics

David Von Hippel presented an overview of the Technical Workgroup (TWG) process and the Agenda of this initial meeting of the ES TWG. He briefly discussed the overall projected CCAC schedule and the goal for the Advisory Committee to complete its work by approximately July of 2007. He indicated how the work of the TWGs – recommending options for analysis and providing information to define/analyze these options – will feed into the work of the CCAC. David also discussed the role CCS in facilitating the workgroup in considering options and the preparation of final reports.

3. Review of Montana GHG Inventory and Reference Case Projections 1990-2020

Alison Bailie presented a brief overview of the draft results for the Montana GHG Inventory and Reference Case Projections, focusing on the approach, assumptions, and estimated GHG emissions for the electricity supply and fossil fuel production sectors.

Concerns from the TWG members included

- use of the term *Gross* emissions for emissions that excluded emissions from electricity exports
- assumptions on sources of new and replacement power
- methods for calculating emissions associated with in-state electricity consumption – a TWG member suggested using information from power export and import contracts to better characterize the electricity imports and exports
- new renewable generation for co-operatives
- calculation/reporting of net emissions, in particular members requested language indicating the difference in lifetime of biological sequestration (trees and soils) and emissions from burning fossil fuels
- assumptions for future fossil fuel production

CCS suggested having a side-meeting on September 15 at the upcoming CCAC Meeting in Whitefish, MT) to discuss alternative approaches for calculating consumption-based emissions and assumptions on new and replacement sources for electricity generation. TWG members were encouraged to provide other data sources/contact names to assist in improving estimates for future fossil fuel production in Montana.

4. Review and discussion of catalog of potential state actions

Michael Lazarus continued with the elements of the PowerPoint Presentation for the meeting, then turned the group's attention to the Catalog of State Climate Mitigation Options (the "Options Catalog") prepared by CCS as initial input to TWG discussions.

He led the group through an initial introduction to some of the options included in the catalog and asked for input on edits to options, including additions and deletions to the current catalog. Michael also noted that options for GHG emission from the fossil fuel production sector were listed in the Powerpoint presentation but were not yet included in the catalog.

Points of discussion included:

- TWG members suggested deleting the nuclear power options from the catalog
- A TWG member suggested adding an option: Wind/compressed natural gas combined energy generation for peaking power. This technology, in R&D stage now, uses wind power to compress and store natural gas in remote areas during times of high winds but low electricity demand, then using the compressed natural gas for power generation during peak times. The TWG member will provide information describing this technology for the TWG to consider.

5. Call to the public and Announcements

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

Next steps and agreements:

1. TWG members will review the catalog of options and suggest refinements by e-mail or at the next meeting.
2. TWG members will review GHG inventory and reference case projections and send questions and suggestions to CCS facilitators by e-mail.
3. CCS will compile the input provided by TWG members and update the catalog to reflect the changes.
4. CCS will compile questions on GHG inventory and projections, respond to questions by email (to group or individual) or include in discussion at next TWG meeting, as appropriate.
5. The next CCAC Meeting is scheduled on September 15, 2006 from 8:00am to 5:00pm. The meeting will be held at the Grouse Mountain Lodge in Whitefish.
6. The next **Teleconference Meeting of the ES Technical Working group** has not been scheduled. The CCS facilitators will send out e-mail with suggested dates and times, likely during the first two weeks in October. The main agenda items for meeting #2 will be a continuation of the discussions of potential state options and a review and discussion of the GHG Inventory and Reference case emissions projections.