



MEETING SUMMARY
IOWA CLIMATE CHANGE ADVISORY COUNCIL
Clean and Renewable Energy (CRE) Subcommittee
Meeting #10, May 29, 2008, 1:00 PM CDT

Attendance

1. Iowa CRE SC Members: Roxanne Carisch, Rural Electric Cooperative; Pam Mackey-Taylor, Sierra Club; Norman Olson, Iowa Energy Center; John Pearce, Iowa Utilities Board; Krista Tanner, Iowa Utilities Board; Wally Taylor, Sierra Club; Mike Thatcher, Corn Belt Power Coop; Jeff Myrom, MidAmerican Energy Company; Amy Christensen, Iowa Utilities Board; Dean Christ, MidAmerican Energy Company; Michelle Kenyon Brown, I-Renew
2. Iowa Department of Natural Resources: Marnie Stein
3. CCS: Donna Boysen, Facilitation Support; Hal Nelson, Technical Expert; John Warmerdam, Technical Support, quantification; Judith Barry, Technical Support

Background Documents

Documents are posted at: <http://www.iaclimatechange.com>

- Notice and Agenda
- Summary of CRE Call #9
- CRE Revised Policy Options
- Cap and Trade Briefing Memo
- CRE PowerPoint Presentation
- Calculations Supporting CRE-2, CRE-5, CRE-7, CRE-8, CRE-11, CRE-13

Discussion items and key issues

This was conference call #10 of the IA CRE SC.

1. Judith Barry called the meeting to order and took attendance.
2. The draft meeting summary for call #9 was reviewed and approved with no changes. It was noted that the requested changes to the summary for call #8 (raised during call #9) have been made and the revised call #8 summary has been posted to the IA EEC site.
3. Judith provided an overview of the process and expectations of today's call.
4. John Warmerdam gave an overview of each spreadsheet including goals and assumptions. The subcommittee has agreed that 7 of the 13 straw proposals will work. It is important to remember that each of the following assumes 100% coal energy.

- I. CRE-2: goal is reduce greenhouse gas emissions by 10% by 2015. Replacement will be 60% wind energy, 20% biomass and 20% fuel cells.
 - a. Hal Nelson will distribute an email that requests more information regarding CRE-2.
- II. CRE-5: goal is to implement a 50% reduction in CO₂ from the 2005 level by 2050. Replacement will be 49% wind energy, 20% solar energy, 20% nuclear energy and 20% biomass.
 - a. A concern was raised regarding the amount of solar energy use projected, because solar is very expensive.
- III. CRE-7: goal is to have one new nuclear plant operating by 2020 with 1200 MW capacity. Coal would be replaced by the amount of energy being produced by the nuclear plant.
- IV. CRE-8: goal is to increase grid-based renewable electric production in Iowa by 20,000 MWh per year from 2012 through 2020. Replacements will be 50% wind, 40% solar and 10% biomass.
 - a. There was a suggestion to change the assumptions to 5% solar. Concerns regarding the use of solar power include cost and land use.
- V. CRE-11: goal for CRE-11 is same as CRE-8 except it would be brought online in 2010 and end in 2050. Replacements will be 50% wind, 30% solar, and 20% fuel cell.
- VI. CRE-13: goal is to reduce greenhouse gas emissions by emissions through various pricing strategies, with a 1% reduction achieved every year from 2010 through 2019.
 - a. The committee decided to leave solar energy out.
- VII. CRE-12 was discussed briefly. Jeff Myrom will be sending a spreadsheet with EIA data on it to help committee members move forward.

5. John Warmerdam will add capital, operating and fuel costs to the spreadsheets.

6. Hal Nelson has begun to quantify CRE-4a, the Decarbonization Fund and will be finished within the next week.

7. Decisions need to be made regarding CRE-4b, specifically how to implement a carbon tax. Hal Nelson requested direction on how the committee would like him to proceed.

8. A suggestion was made to schedule another call. The committee has not discussed CRE-4b, nor has it finalized CRE-2, CRE-12, or CRE-4a. The call would take place before the June 12, 2008 full council meeting and decisions can be reached on these topics.

9. An extra CRE meeting was scheduled for Monday, June 2, 2008 from 1:00 pm to 3:00 pm central standard time.

10. There may be some examples from other states to help the committee proceed with CRE-4b. It was mentioned that a tax of \$80/ton or higher would have to be implemented as a carbon tax.

11. There was a discussion about whether Iowa should enact a Cap and Trade. One opinion was that the responsibility should be left up to the federal government since it is a federal

issue. Another argument is that an Iowa cap and trade does not have to be an Iowa only cap and trade, it could be regional.

12. Donna Boysen mentioned that Minnesota evaluated the MGA regional cap and trade program, which included IA; she will distribute it to the group for reference.

13. Donna asked about any other issues for this call. A suggestion was made for committee members to reread CRE-3 because it is relevant to cap and trade.

14. The next call is schedule for June 2, 2008 for 2 hours. This will be the last CRE call before the council meeting.

Upcoming Schedule

CRE call (#11) is scheduled for June 2 at 1:00 CDT

Public Comments

Brian Johnson of Florida Power & Light offered the group any resources on nuclear issues they may find useful.

Announcements

None