



**MEETING SUMMARY**  
**IOWA CLIMATE CHANGE ADVISORY COUNCIL**  
**Clean and Renewable Energy (CRE) Subcommittee**  
**Meeting #9, May 13, 2008, 1:00 PM CDT**

**Attendance**

1. Iowa CRE SC Members: Michelle Arenson, Alliant Energy; Roxanne Carisch, Calhoun County 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 Crist, MidAmerican Energy Company; Michelle Kenyon Brown, I-Renew; Donovan Olson, IA Legislature
2. Iowa Department of Natural Resources: Jason Marcel
3. CCS: Tom Peterson, Facilitator; Donna Boysen, Technical Support; Hal Nelson, Technical Expert; John Warmerdam, Technical Support, quantification; Judith Barry, Technical Support, quantification

**Background Documents**

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

- Notice and Agenda
- Draft Summary of CRE Call 8
- Quantification Methods Memo
- IA I&F draft Appendix A Electricity Supply
- PowerPoint Presentation
- CRE Draft Straw Proposals

**Discussion items and key issues**

This was conference call #9 of the IA CRE SC.

1. Donna Boysen called the meeting to order and took attendance.
2. The draft meeting summary for call #8 was reviewed and approved with the following changes: Amy Christensen will email her suggestions for revising the language under paragraph 3 to explain the reason for an extra CRE meeting. Another suggestion was made that the minutes for call # 8 reflect the reason for calling CRE-4 “decarbonization fund.” Jeff Myrom’s affiliation should be corrected under the attendance section.

3. Donna Boysen requested that the agenda be re-structured to discuss the “Inventory and Forecast” and “Quantification” topics before discussing “Review and discuss draft Straw Proposals”. The group agreed.
4. Hal Nelson addressed inventory assumptions and quantifications. It is important to note that this is an ongoing process, and there will always be time to revisit some assumptions. The Iowa Utility board forecasts about 1.7%, whereas EIA is forecasting about 1%, so there seems to be a big range of estimates. The group was comfortable using 1.5% as a baseline forecast, with a range to cover uncertainty. Dean Christ will discuss a range with planners and report back to the committee at the next CRE meeting.
5. Hal Nelson mentioned that the Imports section shows imports increasing substantially over planning period. He asked if there was some expectation that the state will not be able to site adequate plants within Iowa to meet demand. Dean Christ stated that MidAmerican is exporting energy and expects to continue to do so in the future. Cornbelt Coop is counting on purchasing for the short-term. Michelle Arenson said that Alliant Energy can meet their load and that assumptions should be looked at in terms of imports. There was general agreement that it would be best to assume that imports for 2005 continue throughout the planning period.
6. A short discussion occurred about the length of forecasting. Some data goes to 2025 while other data goes to 2030. Dean Crist stated that it would be possible to incorporate public statements into the assumptions.
7. There was general agreement that the modeling include “learning curves” for new technology. Additional source information addressing this issue would be welcomed.
8. It was stated that keeping the renewable tax credit in the model seems practical; otherwise the cost of wind energy is not reasonable.
9. Hal Nelson asked if there are local fuel price forecasts for Iowa, since the most recent and regional are better than what is currently available. Please forward ideas for alternative fuel price sources to Hal.
11. Donna Boysen reviewed follow up tasks: Michelle Arenson will check on Alliant growth forecast; Dean Crist, Michelle Arenson and Mike Thatcher will discuss fuel forecasts going forward; Alliant and MidAmerican will double check on retirement; Dean Crist will submit a range for an alternative growth forecast.
12. Remaining straw options addressed:
  - a. CRE-4: Decarbonization Fund
    - i. A discussion took place about whether CRE-4 should be named “Carbon Tax” or “Decarbonizaion Fund”. Donna Boysen recommended keeping CRE-4 titled “Carbon Tax” and adding another topic, CRE-14, to be titled “Decarbonization Fund”. The group agreed.
  - a. CRE-7: Policies related to Nuclear Power
    - i. use 95% as a starting point.
  - b. CRE-8: Support for Grid Based Renewable Energy & Development

- i. The group was comfortable with the policy design portion.
- c. CRE-9: Transmission System Upgrading
  - i. This option is largely non-quantifiable at this time.
  - ii. Donna Boysen will double check how other states have established starting points. She asked that CRE members circulate any thoughts on the matter.
- d. CRE-10: R&D for Emerging Technologies and Corresponding Incentives
  - i. This is non- quantifiable, but the timeline will be used as a benchmark to associate with other policies.
- e. CRE-11: Distributed Generation/Co-Generation
  - i. There were no suggestions to changes on this topic.
- f. CRE-12: Combined Heat and Power
  - i. This option could quantify both commercial and industrial sectors. Members will determine what inventories show and report back to the committee on the next call.
- g. CRE-13: Pricing Strategies to Promote Renewable Energy and/or CHP
  - i. No concerns were discussed on this option.
- h. CRE-14: Decarbonization fund
  - i. Pam Mackey-Taylor will lead a group to move forward on this topic.
  - ii. A suggestion was made to incorporate CRE-4 and CRE-14, since they are so closely related. The group decided to Carbonization Tax CRE-4a and Decarbonization Fund CRE-4b.

14. The next call is schedule for May 29<sup>th</sup> for 2 hours. This will be the last CRE call before the council meeting.

### **Upcoming Schedule**

CRE call #10 is scheduled for May 29<sup>th</sup> from 1:00 PM to 3:00 PM CDT

### **Public Comments**

Deb Bergen, MS River Energy, had a few questions about operational costs under quantification and assumptions. Deb also volunteered this information from the municipal side.

### **Announcements**

None