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**Meeting #2 Summary**  
Minnesota Climate Change Advisory Group (MCCAG)  
St. Paul, Minnesota  
June 14, 2007

**Attendees:**

**MCCAG:** Jon Anderson, Leith Anderson, Willis Anthony, Peter Aube, Alexander Bascom, David Berg, John Brandl, Tracy Bridge, Jan Callison, Rick Carter, Mitch Davis, Chuck Dayton, Laura Ekholm, Stan Ellison, Barbara Freese, Ann Glumac, Bill Grant, Scott Harrison, Bill Heaney, Bill Hunt, Robert Jagusch, Greg Jason, Boise Jones, John Kelly, Julie Ketchum, Greg Langford, Tim McGraw, Dave McMillan, Jeffry Muffat, Eric Olsen Pat Perry, Steve Raukar, Mike Robertson, David Sparby, Will Steger (replacement), Peter Sullivan, Barb Thoman, David Tilman, Nim Traeger, Jeff Wilkes, Mark Wolak, Daniel Bartholomay, Jim Erkel, Andy Hart, Chuck MacFarlane, Joe Maher, Fred McCormick, Greg Miller, Doug Peterson, Ted Troolin

**Department of Commerce (DOC):** Edward Garvey, Linda Limback, Bill Sierks, Janet Streff

**Pollution Control Agency (PCA):** Brad Moore, David Thornton, Todd Biewen, Peter Ciborowski, Anne Claflin, Colleen Coyne, Lisa Herschberger, Jeff Ledermann, John Seltz, Rebecca Walter

**Center for Climate Strategies (CCS):** Tom Peterson, Ken Colburn, Franz Litz, Will Schroeer, and by telephone, Sivan Kartha, Steve Roe, and Randy Strait

**Others:** Gregg Aamot, Robert Ambrose, Amber Backhaus, Douglas Carnival, Claudia Foussard, Gordon Gray, Tony Hainault, Bill Hilty, Tom Horton, Cathryn Kennedy, Nicola Kieves, Sandra Krebsbach, Bill McAuliffe, Kathleen Micheletti, Karen Monahan, Don Parmeter, Brian Pasko, Mark Peters, Christina Pierson, Yvonne Prettnner Solon, Chris Radatz, Linda Runbeck, Mark Vander Schaaf

**Background Documents:** (all posted at [www.mnclimatechange.us](http://www.mnclimatechange.us))

1. Notice and Agenda
2. Draft Summary for MCCAG Meeting #1
3. Powerpoint Presentation
4. Catalogs of State Climate Actions
5. Descriptions of State Actions & Policy Options

## **Discussion and Conclusions:**

### **1. Welcome and Introductions**

DOC Deputy Commissioner Edward Garvey opened the meeting with brief remarks before introducing Governor Pawlenty and the key legislative leaders behind Minnesota's Next Generation Energy Act (SF.145) for a ceremonial signing of this groundbreaking legislation. Governor Pawlenty and several legislators reflected on the bill, noting in particular the economic as well as environmental benefits that it is expected to have for Minnesota and its citizens.

After a brief welcome by Tom Peterson, MCCAG members went around the room doing self-introductions. Peterson then reviewed the ten-step planning process for the MCCAG in some detail, and answered several questions from members of the MCCAG.

### **2. Approval of Summary of Prior Meeting; Other Logistics**

Peterson covered several logistical items including future meeting locations and/or dial-in logistics for public members interested in the MCCAG process. Peterson also referred those concerned about email distribution to Rebecca Walters of PCA.

Omitted from the Meeting #1 Summary were the names of J. Drake Hamilton, Jeff Korsmo, and Dan Bartholomay. John Anderson had a stand-in at Meeting #1.

David Thornton of PCA indicated that a registration process will be set up to better manage the meeting process for attendees. Thornton also provided an overview for the schedule going forward for all future MCCAG and TWG meetings.

Peterson indicated that TWGs appeared to have an interest in meeting for two hours rather than the usual one and one-half hours. The MCCAG concurred. Peterson also noted that it may be possible to hold some TWG meetings on a face-to-face basis.

### **3. Review of Recent Climate Developments**

Tom Peterson reviewed recent climate developments, including the launch of The Climate Registry, developments in the Western Climate Initiative, and an overview regarding current federal climate legislation. Peterson introduced Franz Litz, who commented briefly about developments in California's Market Advisory Committee effort, initiating implementation of its GHG law, AB-32.

Edward Garvey from DOC provided an overview of SF.145, the newly adopted Next Generation Energy Act, noting its three major sections, the direct relationship of MCCAG to provisions in the act, and what the measure will accomplish in terms of energy savings, renewable energy, etc. According to NCSL, this bill positions Minnesota beside California as one of the most aggressive states responding to climate change through energy actions.

Tom Peterson reviewed the impacts to the MCCAG process that SF.145 will have, including extending the reference case forecast to 2025 from 2020 and adjusting the projected impact of "existing actions" and "recent actions" on the reference case projections. Peterson briefly introduced the difference types of emissions metrics,

including consumption vs. production and net vs. gross calculations. A member of the MCCAG expressed concern that Minnesota's goals not be made easier to achieve as a result of counting current sinks.

#### **4. Review and Discussion of the Draft Minnesota Inventory and Forecast**

Tom Peterson dovetailed the above discussion with follow-up mention of adjustments to the inventory and forecast. Peterson noted that the I&F technical appendices will be available soon for review and revision if necessary by the TWGs and/or the MCCAG itself.

#### **5. Review and Additions to the Catalog of State Actions**

Following a break, Peterson reconvened the MCCAG for deliberation of the catalog options. He began by noting that if needed, CCS can bring additional content in the form of educational workshops or other information regarding policy options; cap-and-trade is an example where stakeholders have welcomed such additional information in the past. Peterson noted the importance of the catalog by describing next steps, and also took the opportunity to remind the MCCAG that as a deliberative process, its decisions should be reached transparently in the convened MCCAG itself, not via off-line discussion or caucusing. Peterson reminded the MCCAG members that they were appointed as individuals, not as representatives of groups or entities, and should keep that in mind going forward.

Peterson noted that options wouldn't be deleted from the catalog so that it can serve as a reference for the future. However, options from the catalog would be screened and priorities for analysis would be identified by the TWGs and recommended to the MCCAG. He also indicated that in considering catalog options, consolidation is a significant opportunity to incorporate several small individual but related policy options into a single broader policy option for MCCAG approval.

#### **Energy Supply**

- Franz Litz and Sivan Kartha by telephone reviewed current catalog options.

A member recommended introducing a "loading order" option akin to California's practice in this regard. Another member recommended including upgrades to existing facilities generally, not only the particular one listed in 1.6. Members asked several questions to clarify both listed options and the process going forward. A member asked about separating ES-2 into two separate pieces. CCS (Peterson and Franz Litz) responded that most efficiency measures are on the demand side and are included in RCI; the efficiency cited here specifically reflects production efficiency. Litz noted that SF6 would be included in the TWG's consideration. A member noted that 1.6 and 3.3 may be able to be combined. A member noted that emissions from natural gas pipelines weren't evident in the inventory spreadsheets made available so far, and that they shouldn't be omitted in the final I&F report. Members raised several questions about carbon capture storage and/or reuse (CCSR). A "Solar Energy Development" option was added in parallel to 2.10 - Wind Energy Development.

### **Residential, Commercial, and Industrial**

- Franz Litz and Sivan Kartha by telephone reviewed current catalog options.

After breaking for lunch, Litz began the review of the RCI catalog. Members recommended adding other certification schemes to 2.6; and adding municipal buildings as well as state buildings. Members cruised through the catalog expeditiously. A question arose as to where taconite facility emissions were reflected and/or addressed. Cradle-to-grave issues arose as well, especially with respect to compact fluorescent bulbs. Utility interest in DSM and efficiency was also mentioned, e.g., decoupling, as was voltage regulation devices. Building structural integrity codes should be looked at as well (to reduce construction activity), not just building energy efficiency codes.

### **Transportation and Land Use**

- Will Schroerer reviewed current catalog options.

Members suggested several additional policies:

- Add employers to 2.1.8 regarding transit oriented development.
- Require large employers to do a travel demand management plan regarding employee commuting. State could also set state-wide trip reduction goals, and distribute those to individual jurisdictions.
- Adopt “complete streets” standards and better integrated road standards (i.e., streets better serve all modes: bike/pedestrian, etc.).

A member suggested exercising caution about fuel changes lest we repeat the mistake made in adding MtBE. Another suggested exploring ways to allow blending of greater amount of ethanol (e.g., beyond E10).

All of above options will be added to the catalog, except “beyond E10”.

### **Agriculture, Forestry, and Waste Management**

- Tom Peterson and Steve Roe by telephone reviewed current catalog options.

A member suggested adding biomass from heating and liquid fuels from perennial crops explicitly. Displacement of commercial fertilizers was raised in the context of manure management. Soil carbon management also generated several questions, driven by the sense that several practices are solid GHG reducing actions and others may not provide significant GHG benefits. Areas of overlaps were also noted, but these will shake out in the development of straw proposals and subsequent quantification. Descriptions in sections 7 and 8 were expanded somewhat (e.g., insects and diseases – not just insects; mill residues and emissions – e.g., capturing CO<sub>2</sub> to create chemical products, such as carbonates). Controls in composting were also suggested, as was netting GHG emissions from any increased transportation associated with greater composting (CCS would quantify these during an assessment of such an option). Organizing residential trash collection better (vs. several collectors traveling the same routes) was also raised. Some thought that waste coal options were irrelevant as an option in Minnesota (CCS will remove).

### **Cross-Cutting Issues**

- Ken Colburn and Randy Strait by telephone reviewed current catalog options.
- A member noted that SF. 145 contained substantial provisions regarding GHG reporting that need to be taken into account. Another member suggested that Education and Outreach include development of a catalog of products for residential and commercial consumers that can save energy and/or reduce GHG emissions. Other MCCAG members suggested that the faith community be separated out as a separate audience and that some effort be made to outreach to climate deniers as well. One MCCAG member objected to the use of the weaker terms “consider” and suggested that it be rephrased to be consistent with other options. A member suggested that 13 include sophisticated computer modeling and forecasting capability to enable analyses comparable to those conducted by USDOE-EIA.

### **6. Next Steps for MCCAG and TWGs**

Tom Peterson reviewed the next steps that the MCCAG and the TWGs will go through in development of its plan: priorities for analysis.

### **7. Agenda, Time, and Date for Next Meetings**

The next MCCAG meeting will be held on August 2, 2007 in a location to be announced.

### **8. Public Input and Announcements**

Brian Pasko from Sierra Club North Star Chapter reflected on the Met Council 2030 transit plan for bus and rail. He noted that it was originally slated for 2020. He urged the MCCAG to look at funding options and help the legislature move forward on this plan. He also suggested that the MCCAG look closely at incentives for using transit.

Ed Garvey closed the meeting by thanking the MCCAG for their time and talents.