



Iowa Climate Change Advisory Council

Cross Cutting Issues Subcommittee
Meeting #4

January 29, 2008

Iowa Department of Natural Resources
The Center for Climate Strategies

Welcome and Introductions

- Iowa DNR
- Iowa Subcommittee (SC) Members
- Members of the Public
- Center for Climate Strategies

Agenda

1. Introductions
2. Meeting Purpose and Goals
3. Approval of Summary of Prior Call/Meeting [Decision Item]
4. Goals for ICCAC Meeting #3- February 8, 2008
5. Development of Catalog of States' Actions with Notional Rankings [Decision Item]
6. Discuss Options for Development of IA GHG Reduction Goals and Targets
7. Review of Next Steps
8. Agenda, Date and Time for Next Meetings [Decision Item]
9. Public Comments
10. Announcements

Goals for ICCAC Meeting #3- February 8, 2008

- Complete the Catalog of Potential State Actions
- Develop Initial Priority State Policy Options from the Catalog for Detailed Design
- Review Preliminary Iowa GHG Inventory-Forecast Data, as available
- Discuss Options for Setting GHG Reduction Goals and Targets for Iowa

Catalog of State Action Items

- Complete development of Iowa Catalog of State Actions
- Begin Prioritization of Top State Policy Options from the Catalog

Screening of Potential Actions

- Agriculture Sample

| Option No. | Climate Mitigation Option | Priority for Analysis | Potential GHG Emissions Reduction | Potential Cost or Savings | Additional Impacts, Feasibility Considerations | Notes |
|--------------|--|-----------------------|-----------------------------------|---------------------------|--|-------|
| AFW-1 | AGRICULTURE'S PRODUCTION OF FUELS AND ELECTRICITY | | | | | |
| 1.1 | Manure Digesters/Other Waste Energy Utilization** | | | | | |
| 1.2 | Biodiesel Production (incentives for feedstocks and production plants) | | | | | |
| 1.3 | Biomass Feedstocks for Electricity or Steam Production** | | | | | |
| 1.4 | Ethanol Production | | | | | |

Balloting Process Summary

- a) Balloting by e-mail will occur after Call #3.
- b) CCS will document the initial list of priority options based on ranked voting outcomes.
- c) On call #4, SC will review and finalize priority options to be recommended to ICCAC.
- d) Final priority options may include bundled options that combine several individual options from the catalog.

Voting on Priorities for Analysis

- Each SC member to receive a ballot via e-mail
- Each member may cast 10 votes, with no more than one vote per option
- Return ballot to CCS
- CCS will compile results and distribute to the SC for review and discussion on call #4

Policy Design Proposals

- ICCAC identifies about 50 draft potential options for further development
- Subcommittees screen, prioritize, and propose initial policy option design (“straw proposals”)
 - Timing
 - Goals
 - Coverage
- CCS quantifies and presents for review
- ICCAC revisits list of potential priorities, as needed

Policy Option Template

- Policy Description (Concept)
- Policy Design (Goals, Timing, Coverage)
- Implementation Methods
- Related Programs and Policies (BAU)
- Estimated GHG Savings and Costs Per MMTCO_{2e}
 - Data Sources, Methods and Assumptions
 - Key Uncertainties
- Additional (non-GHG) Benefits and Costs, as Needed
- Feasibility Issues, if Needed
- Status Of Group Approval
- Level of Group Support
- Barriers to Consensus, if any

| State, Province, or Region | 1990-2020 GHG Forecast | State Goals | Climate Plan Coverage |
|----------------------------|------------------------|---|-----------------------|
| Arizona | 144% | <ul style="list-style-type: none"> • 2000 levels by 2020; 50% below by 2040 • 15% below 2005 levels by 2020 (WCI) | 106% |
| California | 40% | <ul style="list-style-type: none"> • E.O.: 2000 level by 2010; 1990 by 2020; 80% below 1990 by 2050 • AB-32: 1990 levels by 2020 • 15% below 2005 levels by 2020 (WCI) | 100% |
| Colorado | 71% | <ul style="list-style-type: none"> • 20% below 2005 level by 2020; 80% below by 2050 | 75% |
| Connecticut | 32% | <ul style="list-style-type: none"> • 1990 level by 2010; 10% below by 2020; 75% below by 2050 | 100% |
| Florida | ? | <ul style="list-style-type: none"> • 2000 level by 2017; 1990 level by 2025; 80% below 1990 by 2050 | ? |
| Massachusetts | ? | <ul style="list-style-type: none"> • 1990 level by 2010; 10% below by 2020; 75% below by 2050 | ? |
| Maine | 34% | <ul style="list-style-type: none"> • 1990 level by 2010; 10% below by 2020; 75% below by 2050 | 100% |
| Maryland | 52% | <ul style="list-style-type: none"> • 1990 level by 2020; 80% below 2006 levels by 2050 | TBD |
| Minnesota | 48% | <ul style="list-style-type: none"> • Next Generation Energy Act: 15% below 2005 levels by 2015; 30% by 2025; 80% by 2050 | TBD |
| Montana | 30% | <ul style="list-style-type: none"> • 1990 level by 2020; 80% below by 2050 (consumption & production) | 89%-105% |
| North Carolina | 113% | ? | TBD |
| NEG/ECP | ? | <ul style="list-style-type: none"> • 1990 level by 2010; 10% below by 2020; 75% below by 2050 | TBD |

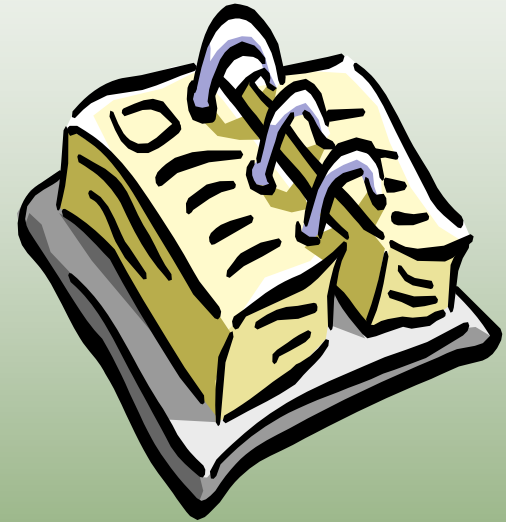
| State, Province, or Region | 1990-2020 GHG Forecast | State Goals | Climate Plan Coverage |
|----------------------------|------------------------|--|-----------------------|
| New Jersey | 28% | <ul style="list-style-type: none"> E.O. 54: 1990 level by 2020; 80% below 2006 levels by 2050 | TBD |
| New Mexico | 65% | <ul style="list-style-type: none"> 2000 level by 2012; 10% below by 2020; 75% below by 2050 15% below 2005 levels by 2020 (WCI) | 133% |
| New York | 24% | <ul style="list-style-type: none"> 5% below 1990 by 2010 | ? |
| Ontario | ? | <ul style="list-style-type: none"> 6% below 1990 by 2014 | n/a |
| Oregon | 61% | <ul style="list-style-type: none"> 10% below 1990 by 2020; 75% below 1990 by 2050 15% below 2005 levels by 2020 (WCI) | 85% |
| Puget Sound | 37% | <ul style="list-style-type: none"> 1990 level by 2010; 10% below by 2020; 75% below by 2100 | 100% |
| Rhode Island | 35% | <ul style="list-style-type: none"> 1990 level by 2010; 10% below by 2020; 75% below by 2050 | 100% |
| Vermont | 26-59% | <ul style="list-style-type: none"> 25% below 1990 levels by 2012; 50% below 1990 by 2028; 75% below by 2050 | TBD |
| Utah | 95% | <ul style="list-style-type: none"> 15% below 2005 levels by 2020 (WCI) | TBD |
| Washington | 40% | <ul style="list-style-type: none"> E.O.: 1990 levels by 2020; 25% below 1990 by 2035; 50% below 1990 by 2050 15% below 2005 levels by 2020 (WCI) | TBD |
| WCI | 54% | <ul style="list-style-type: none"> 15% below 2005 levels by 2020 (AZ, NM, CA, OR, UT, WA, BC, MB) | TBD |
| British Columbia | 69% | <ul style="list-style-type: none"> 15% below 2005 levels by 2020 (WCI) | TBD |
| Manitoba | TBD | <ul style="list-style-type: none"> 15% below 2005 levels by 2020 (WCI) | TBD |

Next Steps

- Identify initial draft priorities for analysis from the catalog using the balloting process
- After ICCAC approves CC Catalog, begin process design phase on selected priority options
- Begin formulation of Proposed Goals and Targets for Iowa
- Begin discussion of Iowa GHG Inventory-Forecast

Next Sub-Committee Meeting

- Agenda:
 - Finalize the proposed Catalog for presentation to ICCAC
 - Develop Initial Recommended Priority Policy Options from the Catalog to recommend to ICCAC for Detailed Design
 - Begin review of Iowa GHG emissions inventory and forecast information
- Time and Date TBD



Public Input, Announcements