



Michigan Climate Action Council (MCAC)

Cross Cutting Issues Technical Work
Group (TWG) Meeting #11
August 20, 2008

Michigan Department of Environmental Quality
The Center for Climate Strategies

Agenda

1. Introductions
2. Meeting Purpose and Goals
3. Approval of Summary of Prior Call- Meeting #10
4. Approval of Selected Policy Options and Complete Drafting of Selected Elements of Remaining Options for MCAC Consideration
5. Discussion of Goal Setting Approach for MCAC
6. Review of Next Steps
7. Agenda, Date and Time for Next Meetings
8. Public Comments
9. Announcements

Approval of Prior Call Summary

- August 6, 2008 Call #10 Summary

Goals for CCI TWG Call #11

- Approve Selected Policy Options for Final Consideration by MCAC
- Complete Drafting of Selected Elements of Remaining Options
- Prepare to Develop Goals Proposals Following MCAC meeting

Stepwise Planning Process

1. Develop inventory and forecast of emissions
2. Identify a full range of possible actions
3. Identify initial priorities for analysis
4. Develop straw proposals
5. Quantify GHG reductions and costs/savings
6. Evaluate externalities, feasibility issues
7. Develop alternatives to address barriers
8. Aggregate results
9. Iterate to final agreements
10. Finalize and report recommendations

Policy Option Template

- Policy Description (Concept)
- Policy Design (Goals, Timing, Coverage)
- Implementation Methods
- Related Programs and Policies (BAU)
- Estimated GHG Savings and Costs Per MMtCO₂e
 - 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

Cross-Cutting Issues (CCI) TWG- Summary List of Approved Straw Policy Descriptions and Designs

- CCI-1 GHG Inventories, Forecasting, Reporting, and Registry
- CCI-2 Statewide GHG Reduction Goals and Targets
- CCI-3 State and Local Government GHG Emission Reductions (Lead-by-Example)
- CCI-4 Comprehensive Local Government Climate Action Plans (Counties, Cities, Etc.)
- CCI-5 Public Education and Outreach
- CCI-6 Tax and Cap/ Cap and Trade [MCAC Approved Establishment of New Market Based Policies TWG to Address these Options]
- CCI-7 Seek Funding for Implementation of MCAC Recommendations
- CCI-8 Adaptation and Vulnerability
- CCI-9 Participate in Regional and Multi-state GHG Reduction Efforts
- CCI-10 Enhance and Encourage Economic Growth and Job Creation Opportunities Through Climate Change Mitigation
- CCI-11 Enhance and Encourage Community Development Through Climate Change Mitigation; Address Environmental Justice

CCI TWG Policy Options Document (POD)

- See MI CCI TWG draft POD

MI GHG Reduction Goals

- 2002 Baseline Year
- 2015 Short Term Goal- 10-20% below baseline
- 2025 Mid-Term Goal- 25-35% below baseline
- 2050 Long-Term Goals- 80% below baseline

| 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 | 54% | <ul style="list-style-type: none"> • 10% below 2006 levels by 2012; 15% below 2006 levels by 2015; 25% (enforceable)-50% (science based) below 2006 levels by 2020; 90% 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 |

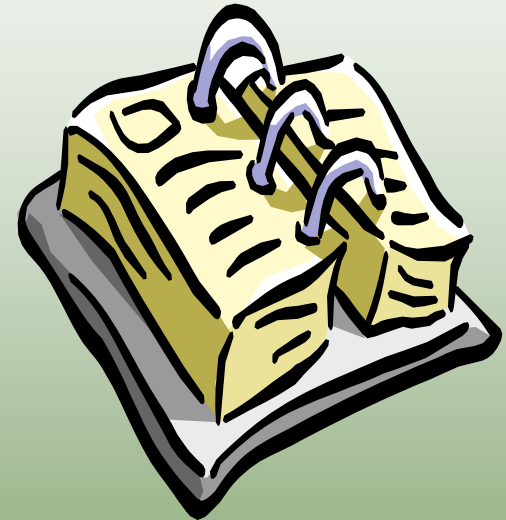
| State, Province, or Region | 1990-2020 GHG Forecast | State Goals | Climate Plan Coverage |
|----------------------------|------------------------|--|-----------------------|
| New Jersey | 28% | <ul style="list-style-type: none"> E.O. 54: 1990 level by 2020; 80% below 2006 levels by 2050 | TBD |
| 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- Finish Development of Policy Options Document

- Finish Development of Remaining Policy Options:
 - Key Uncertainties
 - Additional Benefits and Costs
 - Feasibility Issues

Next TWG Meeting

- Agenda:
 - Finish Development of all Remaining Proposed Policy Options [Uncertainties, Additional Benefits and Costs and Feasibility Issues]
 - Discuss proposed Goals for MCAC Consideration
- Call #12 Time and Date-11:00 am-12:30 pm EDT, Wednesday, October 1, 2008



Schedule

| Date | Action |
|-----------------------|---|
| December 12, 2007 | 1 st MCAC meeting |
| February 14, 2008 | 2 nd MCAC meeting |
| April 25, 2008 | 3 rd MCAC meeting and Interim Report |
| June 27, 2008 | 4 th MCAC meeting |
| September 12, 2008 | 5 th MCAC meeting |
| November 20, 2008 | 6 th MCAC meeting |
| December 19, 2008 | MCAC Final Report due |
| Between MCAC Meetings | TWG conference calls and meetings |

Public Input, Announcements