



**DRAFT MEETING SUMMARY
NORTH CAROLINA CLIMATE ACTION PLAN TECHNICAL WORK GROUP**

Agriculture, Forestry, and Waste Management TWG Call #10, February 9, 2007

Attendance:

1. TWG Members: John Bonitz, Jim Durham, Bob Hazel, Jim Hickman, David Mickey, Paul Sherman, Max Merrill, Chris Hopkins, Marion Deerhake, Kraig Westerbeek
2. Public: none
3. CCS: Stephen Roe, Katie Bickel
4. DAQ/DENR: Heather Hawkins, Jim Southerland, Brock Nicholson, Charles Davis

Background documents:

(all posted at http://www.ncclimatechange.us/Agriculture_Forestry.cfm)

1. Agenda
2. AFW TWG Call #9 Summary
3. Power Point Presentation to the AFW TWG
4. AFW Policy Options Document

Discussion and conclusions:

1. The Call #9 Summary and issues discussed at the last meeting were reviewed and TWG asked whether there were any changes needed to draft Call #9 Summary. None were made.
2. CCS led a discussion of the mitigation options document, starting with Waste Management, then Agriculture, and finishing with the Forestry options. CCS noted that most of the quantification has been completed and that the purpose of the call is to review the approach and address questions and concerns with the methods. CCS also noted that two new options have been integrated into the table.
3. Each option was reviewed. TWG members asked clarifying questions and provided additional input. In addition, the linkages between AFW options 2, 5, 6, and 9&10 and TLU and ES options were discussed and the intended approach to quantification reviewed. The general approach for AFW will be to quantify the benefits from increased production of feedstock within the State of North Carolina. In-state production benefits

- include reduced transportation costs, or displacement of what is available in the national market with GHG-superior feedstock produced in NC.
4. Linkages within the AFW options were also discussed. One TWG member suggested that AFW 4 and 7 could be combined because fundamentally they would be supported by the same implementation mechanism. The issues around quantification of the combined option were discussed. The TWG agreed to continue discussing this proposal on further calls or off-line.
 5. Related legislative proposals were discussed for some options and TWG members agreed to provide text that could incorporate the same principles in the implementation sections of the proposals provided there was TWG agreement on these mechanisms.
 6. The inclusion of two new options was reviewed.
 - a. Organic farming is now a component of AFW 3 and the specific goal levels for the organic component of the option were reviewed. TWG members will provide CCS with additional information to support quantification of GHG benefits and costs.
 - b. Urban forestry is a new option - AFW 13. TWG members will provide CCS with details to support quantification of this option as well.
 7. There was general agreement on the methodological approach to quantification for all options. CCS will continue to work with TWG members to refine assumptions and finalize details of the implementation mechanisms and feasibility issues.

Next steps:

1. CCS, with input from the TWG, will continue to develop and revise the options document and anticipates distributing another version in the next few weeks, giving time for TWG members to review and comment before the next call.
2. **Next TWG call scheduled for 1:00 – 3:00 p.m. on March 15, 2007. Note that this is a change from the originally scheduled date of March 8 due to scheduling conflicts with both TWG and CCS staff.**
3. On the next TWG call, the options will be reviewed with the aim of approving the full draft for CAPAG approval.
4. CAPAG meeting, May 8, 2007

TWG Volunteers for Policy Option Development

| Option No. | GHG Reduction Policy Option | TWG Volunteers |
|-------------------|--|---|
| AFW-1 | Manure Digesters/Other Waste Energy Utilization | Mitch Peele, Marion Deerhake, Kraig Westerbeek |
| AFW-2 | Biodiesel Production (incentives for feedstocks and production plants) | John Bonitz, Mitch Peele, [Alex Hobbs, Solar Center, who is not a TWG member was mentioned as a technical resource] |
| AFW-3 | Conservation Tillage/No-Till (carbon sequestration and reduced energy use) | Mitch Peele, Chris Hopkins, David Smith |
| AFW-4 | Preserve Open Space/Agricultural Land | David Smith, Mitch Peele, Max Merrill, (Bill Holman) |
| AFW-5 | Agricultural Biomass Feedstocks for Electricity or Steam Production | Mitch Peele, (Dennis Hazel). |
| AFW-6 | Policies to Promote Ethanol Production | John Bonitz, Mitch Peele, Chris Hopkins, Bob Slocum |
| AFW-7 | Forest Protection – Reduced Clearing and Conversion to Nonforest Cover | Chris Hopkins, Bob Hazel, Stephen Whitfield, Max Merrill |
| AFW-8 | Afforestation and/or Restoration of Nonforested Lands | Bob Slocum, Chris Hopkins, Bob Hazel, Stephen Whitfield, (Dennis Hazel) |
| AFW-9 | Expanded Use of Forest Biomass Feedstocks for Electricity (fuel switching) | Chris Hopkins, Bob Slocum, Stephen Whitfield, (Dennis Hazel) |
| AFW-10 | Expanded Use of Forest Biomass Feedstocks for Residential, Commercial/Institutional, or Industrial Heating | Chris Hopkins, Bob Slocum, Stephen Whitfield, (Dennis Hazel) |
| AFW-11 | Landfill Methane and Biogas Energy Programs | Jim Hickman, (David Mickey, not a member of the TWG offered himself as a technical resource) |
| AFW-12 | Increased Recycling Infrastructure and Collection | Jim Hickman, Chris Hopkins, (David Mickey, not a member of the TWG offered himself as a technical resource) |