



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

Agriculture, Forestry, and Waste TWG Call #6, September 29, 2006

Attendance:

1. TWG Members: Anne Coan, Bob Hazel, Jim Hickman, Chris Hopkins, David Mickey, Max Merrill, Paul Sherman (for Mitch Peele), Kraig Westerbeek, David Smith, Stephen Whitfield
2. Public:
3. CCS: Stephen Roe
4. DAQ/DENR: Heather Hawkins, Jim Southerland, Brock Nicholson

Background documents:

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

1. Agenda
2. AFW TWG Call #5Summary
3. Power Point Presentation to the AFW TWG
4. AFW Policy Option Straw Proposals
5. NC Greenhouse Gas Inventory and Forecast, 1990-2020

Discussion and conclusions:

1. CCS asked whether there were any changes needed to draft Call #5 Summary. There were none.
2. CCS provided an overview of the AFW straw proposals received and the default CCS policy design parameters for those options where straw proposals were not received. CCS reviewed the content of the first two sections of the policy options document should be for the straw proposals, especially the need for volunteers to provide quantifiable state goals under the policy design section.
3. CCS and the TWG volunteers reviewed each of the straw proposals. All of the agricultural options were covered. Initial discussion was also completed on the forestry proposals. Time expired for the call before any of the waste management proposals were covered. Specific items that were edited during the call included (see list of policy options and volunteers at the end of this call summary):

- AFW-1: CCS noted the need for quantifiable policy design parameters to be incorporated. The TWG volunteers will revisit this option and provide these edits;
 - AFW-2: TWG recommended that the goal targets be cut in half and that CCS review and incorporate some additional edits provided by the volunteers before the call but after the deadline;
 - AFW-3: TWG volunteers will supply language to incorporate the use of bio-char as a soil amendment (to increase soil carbon). CCS noted that the issue of bio-char could also be included under one or both of the energy utilization options (AFW-5 or AFW9&10), as these options might be a better place to address uses for bio-char produced from gasification projects;
 - AFW-4: CCS to incorporate text provided by Max Merrill;
 - AFW-5: CCS to incorporate a 2010 goal of using 10% of available biomass by 2010.
 - AFW-6: the TWG recommended moving the goals out five additional years to 10% of state consumption by 2015 and 25% of consumption by 2025;
 - AFW-9&10: The TWG proposed a change in the title to “Expanded Use of Forest Biomass and Better Forest Management”. CCS noted that the CAPAG will need to approve the new policy name.
4. The TWG agreed to meet again next week to finish out the discussion of straw proposals (see next steps).

Next steps:

1. CCS will incorporate the changes noted above and redistribute the policy straw proposals before the next call.
2. The next call is scheduled for Friday, October 6, 2006, 3:00 PM – 4:30 PM.

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)