



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

**Agriculture, Forestry, and Waste Management TWG Call #8, November 22, 2006**

Attendance:

1. TWG Members: John Bonitz, Dennis Hazel, Jim Hickman, Chris Hopkins, Max Merrill, Dave Mickey, Paul Sherman
2. Public:
3. CCS: Stephen Roe, Katie Bickel
4. DAQ/DENR: Heather Hawkins, Jim Southerland, Brock Nicholson

Background documents:

(all posted at [http://www.ncclimatechange.us/Agriculture\\_Forestry.cfm](http://www.ncclimatechange.us/Agriculture_Forestry.cfm))

1. Agenda
2. AFW TWG Call #7 Summary
3. Power Point Presentation to the AFW TWG
4. AFW Policy Option Document
5. Example Completed Policy Template
6. NC Greenhouse Gas Inventory and Forecast, 1990-2020

Discussion and conclusions:

1. CCS asked whether there were any changes needed to draft Call #7 Summary. An addition was made to the attendee list.
2. CCS reviewed the policy options agreed to by the CAPAG, including revisions to AFW options 7 & 8.
3. CCS reviewed the general process for analyzing policy options. TWG members will break into volunteer groups that will further develop the policy options, focusing on implementation, related policies/programs, additional costs/benefits, and feasibility issues. CCS, in consultation with volunteer groups, will develop analyses of GHG benefits and cost estimates. Steve Roe will lead analysis of the Agriculture and Waste options, and Katie Bickel will lead analysis of Forestry Options.

4. CCS reviewed in general their approach for analyzing GHG benefits and estimating costs for each AFW option. TWG members provided input on analytical framework and potential data sources.
5. A draft list of volunteers was reviewed and agreed to as a starting point (see attached list).
6. TWG members raised two additional options for consideration. The TWG discussed the potential for Organic Farming and Urban Forestry to reduce GHG emissions. It was decided that a straw proposal design for Organic Farming, following the policy option template, would be prepared by John Bonitz, distributed to the TWG by CCS, and reviewed during the next call. Proponents of the Urban Forestry option were asked to do the same. During the next call, the TWG will then recommend if either of these options should be submitted to the CAPAG for approval.

Next steps:

1. Next TWG call scheduled for January 11, 2007, 9-4 pm EST. CCS would like to schedule this as an all day meeting with Steve Roe and Katie Bickel in attendance to review the initial quantification of benefits and costs, as well as policy option language. The meeting will be held at DENR's offices. TWG members are asked to notify Steve Roe immediately, if they are unable to attend.
2. CCS will begin analysis of options and present initial findings at next TWG meeting. TWG volunteers should begin drafting language for the rest of the sections of the policy template (i.e. those not related to the quantification of benefits and costs).

**TWG Volunteers for Policy Option Development**

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