



MEETING SUMMARY
NORTH CAROLINA CLIMATE ACTION PLAN TECHNICAL WORK GROUP

Agriculture, Forestry, and Waste TWG Call #2, May 5, 2006

Attendance:

1. TWG Members: Stan Adams, John Bonitz, Anne Coan, Bob Hazel, Dennis Hazel, Amy McDonald, Stephen Smith
2. Public: Colleen Hudak-Wise (NCDA & CS, sub for David Smith), Chris Hopkins (DFR)
3. CCS: Stephen Roe, Tom Peterson
4. DAQ/DENR: Heather Hawkins, Hoke Kimball, Jim Southerland, Patrick Butler, Charles Davis, Brock Nicholson

Background documents:

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

1. Agenda
2. AFW TWG Call #1 Summary
3. Power Point Presentation to the AFW TWG
4. Catalog of State Climate Mitigation Options
5. NC Greenhouse Gas Inventory and Forecast, 1990-2020

Discussion and conclusions:

1. CCS provided a review of the draft Call #1 Summary. The summary was approved pending the following changes:
 - Under #3a – Anne Coan suggested to change “in” to “it” at the top of page 2.
 - Under #4b – John Bonitz suggested that we not phrase “...convert to using bio-diesel...” since diesel engines don’t require a conversion to use the bio-diesel, so change “Convert diesel farm equipment to bio-diesel equipment” to “Encourage use of bio-diesel in farm equipment”

- Under Next Steps, in the last sentence under #1 change “current practices alone should...” to “current practice should take...”
 - Under Next Steps #2 – change “CCAG” to “CAPAG”
2. The TWG decided that a 2 hour schedule would work better for future calls. This change will occur as of the next TWG Call (#3).
 3. The TWG completed a review of the GHG Mitigation Options Catalog. The TWG asked that biodiesel use in farm equipment not be included with the farm equipment conversions option (5.1). The TWG asked that a new option (5.5) be added for “Policies to Promote On-Farm Biodiesel Use”. The TWG asked whether a new option should be added for manure combustion for energy recovery (e.g. use of poultry waste as is being done by Fiber-Watt). This option can be thought of as a component of Option 1.1 (Manure Digesters/Other Waste Energy Recovery). CCS will add a note regarding the importance of poultry waste and the use of manure combustors for energy recovery. It was also clarified that energy and fuel derived from hog and poultry waste was considered a part of Option 1.1
 4. Dennis Hazel asked if the CAPAG would support the “Current Use Valuation” law that is currently in place, which encourages the use of land for agricultural and forestry purposes. The TWG suggested making this a tool under Option 4.1 or 4.3 (for Ag) and under Option 6.1 (for Forestry).
 5. Chris Hopkins compiled a list of current forestry practices and will email to Tom and Steve to incorporate into the Catalog. The updated Catalog will be posted on the website for TWG members to review.
 6. For forestry options, the TWG asked that another Option be added (6.18) for “Policies to Promote Forest Soil Carbon Management/Build-up”. Another option to be added (7.5) is “Promotion of Integrated Biorefinery Processes” (e.g. processes at forest products plants to produce both electricity and ethanol). Under AFW-8, another option should be added to “Promote Cellulosic Ethanol Production” (from forestry waste). The TWG suggested that an option be added under AFW-6 for “Application of Waste to Forested Lands”. This option involves applying residue from sewage treatment, municipal solid waste treatment, or agricultural waste to forested lands to enhance biomass production and carbon sequestration. Although it is not clear whether sufficient research has been conducted to quantify the benefits and costs of this option, CCS will add it to the Catalog. The TWG also questioned whether Option 9.6 (Waste Coal Recapture) was applicable to NC. It appears that it is not applicable, so CCS will remove it from the Catalog.
 7. TWG members questioned whether Option 8.5 (Expanded Landfill Methane Capture) should be dropped given that it is also covered under options in AFW-9 and AFW-10. CCS agrees that there is direct overlap and that this option can be dropped.
 8. The TWG suggested that a member from the Solid Waste industry be recruited to join the AFW TWG.
 9. TWG members were asked to provide any further changes to the Catalog to Steve Roe and Holly Lindquist within the next week. These will be incorporated and posted to the Catalog on the website.

Next steps:

1. CCS will provide a table of each GHG's radiative forcing effect.
2. CCS will update and repost the Options Catalog. During the next call, CCS will describe the process for the TWG to prioritize the options for analysis.
3. Next call should focus on review of the agriculture and forestry inventory and forecast presented to the CAPAG.
4. Next call will be Friday, June 2, 2006, 10:30 AM – 12:30 PM.