



MEETING SUMMARY
SOUTH CAROLINA CLIMATE, ENERGY AND COMMERCE ADVISORY
COMMITTEE
Agriculture, Forestry, and Waste Management Technical Work Group
(AFW TWG)

Call #9, January 22, 2008, 2:00–4:00 PM

Attendance:

1. Technical Work Group Members:
 - John Bonitz – Agriculture Energy Coordinator, Southern Alliance for Clean Energy
 - Larry Boyleston – Director, Business and Government Relations, South Carolina Dept. of Agriculture
 - Erika Hartwig – South Carolina Energy Office
 - Stephen Henry – Natural Resource Conservation Center
 - Joe James – CEO, Corporation for Economic Opportunity
 - Bob King – Deputy Commissioner, South Carolina Environmental Council
 - Bob Perry – Wildlife Biologist, Environmental Programs Section, DNR
 - Guy Sabin – Environmental Management Section Chief, South Carolina Forestry Commission
 - Daniel Tufford – University of South Carolina, Dept. of Biological Sciences
2. Center for Climate Strategies (CCS) Staff:
 - Gloria Flora – Co-facilitator
 - Brad Strode – Technical support
 - Rachel Anderson – Technical support
 - Joseph Pryor – Technical Support
3. South Carolina Department of Health and Environmental Control (SCDHEC):
 - Michael Juras – SCDHEC; Agency Liaison
4. Public Attendees:
5. Technical Work Group Members not attending:
 - Art Braswell – Division Director, Mining and Solid Waste Management, South Carolina Department of Health and Environmental Control
 - Cary Chamblee – Legislative and Government Consultant for South Carolina Wildlife Federation and Sierra Club
 - Scott Fennell – Carolina Waste
 - Chris Fisher – Fisher Recycling
 - Edwin Lesley – President, Business Development Corporation of South Carolina
 - Russell Ott – South Carolina Farm Bureau

- Carlton Owen – President/CEO, US Endowment for Forestry and Communities
- Mark L. Robertson – Executive Director, The Nature Conservancy of South Carolina
- Bob Scott – President, South Carolina Forestry Association
- Danny Verdin – SC Senate
- Johnny Williamson – CEO, South Carolina Soya, LLC

Background documents:

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

1. Meeting Notice and Agenda
2. Summary of Call #9
3. PowerPoint for Teleconference.
4. AFW Draft Priority Policy Options for Analysis

CCS contact list:

Please direct off-line comments on specific options to the CCS staff member working on that option. The list below provides e-mail contact information and the options each CCS staff member is working on. If one has a question regarding the CCS process, please contact Steve Roe (steve.roe@pechan.com) or Gloria Flora (gflora@s-o-solutions.org).

- Brad Strobe (brad.strobe@pechan.com) is the contact person for AFW-1, 3, 6a, 8, 9, and 10.
- Joe Pryor (joseph.pryor@pechan.com) is the contact person for AFW-2, 5, and 7a.
- Katie Bickel (kbickel@gmail.com) is the contact person for AFW-6b and 7b.
- Rachel Anderson (Rachel.anderson@pechan.com) is the contact person for AFW-4.

Please submit text updates for all options (Implementation Mechanisms, Related Policies and Programs in Place, Key Uncertainties, Additional Benefits and Costs, and Feasibility Issues.

Discussion items and key issues:

Introductions and Review

1. CCS called the teleconference meeting to order, completed the roll call and outlined the agenda.
2. CCS reviewed the draft summary of Call #9. No revisions or comments were offered by the TWG .
3. CCS announced that this meeting will be focused on the development of the Policy Options Document.
4. CCS will make a final request for comments on the Inventory and Forecast. Pending comments, discussion on this document will be closed.
5. CCS reviewed the stepwise planning process and identified the group as currently working on steps 5 and 6. These steps involve the quantification of GHG reductions and costs/savings, as well as the evaluation of externalities and feasibility issues.
6. Additional input is still needed on implementation mechanisms for some options. Key Uncertainties, Additional Benefits and Costs, and Feasibility Issues are sections that require TWG input. Text for these sections should be drafted by the TWG and submitted to CCS as soon as possible.
7. CCS announced that the CECAC meeting #6 will likely be scheduled for April 4, with a 7th meeting added on May 16. CCS suggested moving the next AFW TWG call out a bit

further. No changes to the TWG schedule were announced at this time. The next AFW TWG meeting is scheduled for March 6.

Discussion of CECAC Input and Policy Options Document

1. AFW-4:
 - a. CCS reviewed changes to the quantification for this option. Many of these changes concerned the allocation of in-state feedstocks to biofuels. These changes are reflected in the most recent version of the Policy Options Document (POD).
 - b. A TWG member suggested that an implementation mechanism be inserted to address the potential for farmers to utilize biofuels for on-farm use. CCS and this TWG member will work off-line to update the POD.
2. AFW-2:
 - a. CCS reviewed updates to the quantification of this option and requested that the TWG provide any thoughts or information regarding the operation and maintenance costs for the technologies used for on-farm waste methane capture and energy production.
 - b. Other information regarding the implications of land application of the sludge resulting from anaerobic digestion was discussed as a potential impediment to the process.
 - c. CCS asked for approval of the assumptions regarding the technologies used to meet the policy goals of this option. TWG members were agreeable to said assumptions.
 - d. A TWG member raised concern over the title of this option, wondering whether or not the title was misleading. The suggested change to the title was “Farm Byproducts Energy Recovery.”
 - e. CCS also noted that this option does not have implementation mechanisms. TWG members are strongly encouraged to provide this information as soon as possible.
3. AFW-5:
 - a. CCS is requesting information regarding the cost of feedstock supply for biomass-to-energy. A contact at the SC Forest Association was provided. Additional contacts were provided for agriculture informational contacts.
 - b. CCS assumed co-firing as the primary technology for biomass-to-energy utilization. This assumption is not prescriptive, but is necessary to ease the process of quantification.
4. AFW-7a:
 - a. CCS reviewed changes to previous version of the POD. The data used to develop this option is rather old (through 1997), but it is the most recent available until 2003 data comes out later this year. The easement cost used for this analysis is from a national source and could be updated to more local information if a TWG member has better information.
 - b. A TWG member suggested that voluntary easements are much cheaper than the land value used in AFW-7. CCS will consult with a TWG representative from The Nature Conservancy to check the information currently used.
5. AFW-7b:
 - a. The quantification of this option follows a similar process as that of AFW-7a. The goal, changed since the last meeting, has been set by CCS to a 70% reduction in the rate of forest conversion to developed uses by 2020. Additionally, new data

from the Forest Inventory Association provides insight to the current level of forest conversion. Based on the new goal and data, the GHG benefit is less than originally reported. No comments were made by the TWG.

6. AFW-6b:
 - a. CCS requested input regarding the TWG’s desire to include Afforestation as a goal under AFW-6b or 7b, or as an amendment to the reforestation goal under AFW-6b.
 - b. CCS reviewed the information used to develop the baseline for the “Forest Management” goal. Much of the information is a result of recent FIA data, which will be distributed to the TWG.
 - c. A goal is still needed for the Urban Forestry goal. It is imperative that this input get to CCS ASAP so that this option can be quantified immediately.
7. AFW-1:
 - a. CCS has not yet completed draft quantification. A baseline for electricity used in poultry operations will be useful for the further development of the quantification process.
 - b. CCS requested that text for the implementation mechanisms and related policies and programs in place sections be submitted immediately.
8. AFW-3:
 - a. CCS has not yet completed draft quantification.
 - b. CCS requested that text for the implementation mechanisms and related policies and programs in place sections be submitted immediately.
9. AFW-6a:
 - a. CCS has not yet completed draft quantification. Information regarding the baseline level of improved soil carbon management processes is needed to complete quantification.
 - b. CCS requested that text for the implementation mechanisms section be submitted immediately.

Inventory and Forecast

1. CCS stated that while the AFW TWG has had an ample opportunity to /suggest changes to the Draft Inventory and Forecast, the I&F is still up for discussion and review. However, CCS will not go through a thorough review of the I&F at this time.

Next Steps

1. Input from the public was solicited. There were no members of the public in attendance.

Agreements

1. The next meeting of the AFW TWG will be held via teleconference on **March 6, 2008 (2:00 to 4:00 p.m.)**
2. The Call Summary for this meeting will include a current list of priorities and volunteer work group members to date. (See table below.)

Revised Option #	Draft Policy Option Name	Straw Proposal Volunteers
AFW-1	On-Farm Energy Efficiency	<i>Stephen Henry, John Bonitz, Russell</i>

Revised Option #	Draft Policy Option Name	Straw Proposal Volunteers
		<i>Ott</i>
AFW-2	On-Farm Waste Energy Recovery	Stephen Henry, John Bonitz, Russell Ott
AFW-3	Expanded Use of Local Agricultural Products	Dan Tufford, Russell Ott
AFW-4	In-State Liquid Biofuels Production	<i>Erika Hartwig, John Bonitz, Johnny Williamson</i>
AFW-5	Expanded Use of Biomass Feedstocks for Electricity, Heat, or Steam Production	Erika Hartwig, Bob Giangiorgi, John Bonitz, Carlton Owen
AFW-6	Terrestrial Carbon Sequestration	Bob Perry (f), Guy Sabin (f), John Bonitz (a), Erica Westbrook (a)
AFW-7	Conservation and Restoration of Forest and Agriculture Lands for Enhanced Carbon Sequestration	Guy Sabin, Bob Perry , Dan Tufford, Bob Scott
AFW-8	Advanced Recycling and Composting	Bob Giangiorgi , Scott Fennell
AFW-9	Waste-to-Energy Reclamation	Edwin Lesley, Scott Fennell
AFW-10	Water and Wastewater Energy Efficiency Improvements	Venkat Lakshmi , Dan Tufford