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

Call #7, November 7, 2007, 2:00–4:00 PM

Attendance:

1. Technical Work Group Members:
 - John Bonitz – Agriculture Energy Coordinator, Southern Alliance for Clean Energy
 - 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
 - Venkat Lakshmi - University of South Carolina, Dept. of Geological Sciences
 - Russell Ott – South Carolina Farm Bureau
 - Bob Perry – Wildlife Biologist, Environmental Programs Section, DNR
 - Johnny Williamson – CEO, South Carolina Soya, LLC
2. Center for Climate Strategies (CCS) Staff:
 - Steve Roe – Lead facilitator
 - Brad Strobe – Co-Facilitator
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:
 - Larry Boyleston – Director, Business and Government Relations, South Carolina Dept. of Agriculture
 - 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
 - Bob Giangiorgi – Vice President, Priority Metrics Group
 - Edwin Lesley – President, Business Development Corporation of South Carolina
 - Carlton Owen – President/CEO, US Endowment for Forestry and Communities
 - Mark L. Robertson – Executive Director, The Nature Conservancy of South Carolina

- Guy Sabin – Environmental Management Section Chief, South Carolina Forestry Commission
- Bob Scott – President, South Carolina Forestry Association
- Daniel Tufford – University of South Carolina, Dept. of Biological Sciences
- Danny Verdin – SC Senate

Background documents:

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

1. Meeting Notice and Agenda
2. Summary of Call #6
3. PowerPoint for Teleconference.
4. AFW Draft Priority Policy Options for Analysis

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 announced that the options relating to the waste management sector will be handled in a separate sub-group of the AFW TWG. CCS proposed a WM call for next Tuesday. The remainder of the group will focus on the agriculture and forestry options in the scheduled meetings.
3. CCS requested that members needing to leave the call not put the call on hold, rather disconnect and call back. This will prevent the rest of the group from listening to hold music. Also, members calling in on cell phones should remember to mute their phones by pressing *6 until they are ready to comment.
4. The schedule of CECAC and AFW TWG meetings were reviewed. See the schedule on the website (<http://www.scclimatechange.us/ewebeditpro/items/O60F13464.xls>). Check this schedule regularly to keep abreast of any changes. Alternative dates to the current schedule were proposed (Meetings 8, 9, and 10) in order to better match up to CECAC meeting dates. The proposed dates are:
 - Meeting #8 - Dec. 13;
 - Meeting #9 - Jan. 22.
 - Meeting # 10 - March 6.
 - Meeting #11 (if necessary) - April 17.
5. CCS reviewed the draft summary of Call #6. No revisions or comments were offered by the TWG .
6. CCS reviewed the current step of the 10-step CECAC process. The next advisory committee meeting is on November 30. At this meeting, each TWG will present their final straw proposals. All proposals of the AFW TWG must be submitted to CCS by November 15.

Discussion of Straw Proposals

AFW-7: The sub-group volunteers who worked on AFW-7 have submitted a draft straw proposal. CCS read this proposal over the phone for the benefit of those members who have not yet read the proposal. CCS sought comments from the TWG regarding the level and timing of the goal. A TWG member raised the question of how feasible the proposed goal may be. CCS noted that the purpose of this discussion is to decide whether the proposed goals are “reasonable.” Revision of the goals is possible at a later date.

AFW-4: The TWG member responsible for drafting the straw proposal reviewed the proposed description and design for this option. CCS noted that some of the “goals” presented initially will be best included in the implementation mechanism section. The biodiesel production is anticipated to be 81 million gallons in 2010. The target is to achieve a 25% increase above BAU biodiesel production by 2020. A TWG member suggested that additional funds are needed for cellulosic ethanol development. The sub-group will re-evaluate the ethanol aspect of this option and re-send the straw proposal to CCS shortly.

AFW-5: The straw proposal for this option is still under development. A TWG member noted that there are already a great deal of incentives offered for SC legislation. CCS suggested that the sub-group focus on energy crops as one aspect of the goal, as well as waste biomass (forestry and agricultural residues). The TWG also expounded the benefits of incorporating new technologies in the option. CCS noted that this will be a big part of the quantification and input from the TWG regarding best available energy conversion technologies will help the quantification immeasurably.

AFW-1: CCS has yet to receive input from the sub-group on this option. The sub-group has yet to convene on this option. The volunteer leader has been working on a rough draft and will send it to CCS within the next day. The initial direction of this option includes the conservation of energy on farms in NC, as well as the application of energy efficiency and renewable energy technologies.

AFW-2: This option is also still in development. The waste energy recovery potential exists mainly on the utilization of methane for the generation of heat and/or electric power. Other technologies, such as gasification, will be considered. Additionally, conservation mechanisms that reduce the total amount of methane that must be managed may be an element of this goal.

AFW-3: Neither of the volunteers for this option were on the call. CCS will attempt to contact the volunteers and move forward with the straw proposal. CCS noted that if no input is given, CCS will move forward with default language, goals, and targets.

AFW-6: The sub-group has not been able to meet. They will attempt to get a goal to CCS early in the week following the call.

AFW-10: The wastewater treatment industry makes up about 3% of the nation’s energy use. The goal proposed in this option is to increase energy efficiency of plant operations by 15% by 2012 and 25% by 2020. This can involve the utilization of wastewater digester gas, as well as increasing the efficiency in electricity use. CCS asked the TWG to submit any input they would like to give on this option to the sub-group volunteer leader, CC’d to CCS facilitators.

Inventory and Forecast

1. CCS asked for further recommendations on the Draft Inventory and Forecast. CCS thanked a TWG member who provided more information on the Forestry forecast that will help adjust the forecast to predict losses in sequestration due to development. If any members would like to have input on any assumptions used in the I&F, please let Steve know ASAP, so that this document may be finalized prior to the next CECAC meeting.

Next Steps

1. CCS will update the Policy Options Template, as well as solicit additional volunteers from the members who were unable to attend this meeting. The sub-groups should submit any further drafts and/or revisions to CCS no later than COB Wednesday.
2. Input from the public was solicited. There were no members of the public in attendance.
3. CCS will contact the Waste Management sector TWG representatives to schedule a meeting to discuss the WM options (specifically, AFW-8 and AFW-9). The entire TWG will be kept abreast of these meetings, and are encouraged to participate.

Agreements

1. The next meeting of the AFW TWG will be held via teleconference on **December 13, 2007 (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, Russel Ott</i>
AFW-2	On-Farm Waste Energy Recovery	Stephen Henry, John Bonitz, Russel Ott
AFW-3	Expanded Use of Local Agricultural Products	Dan Tufford, Russel 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