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## **AGRICULTURE & FORESTRY TWG CALL #7, 3/30/06 2:00 – 3:30 P.M.**

### Attendance:

1. TWG members: Cecilia Abeyta, Tim Darden, Brian Hurd, George Duda, Louise Pape, Patrick McCarthy, Michael Ebinger
2. NMED staff: Brad Musick
3. CCS staff: Steve Roe, Tom Peterson
4. Other attendees: Jim Behnken, JGB Consulting (member of ES TWG)

### Background documents:

(all posted at <http://www.nmclimatechange.us/documents.cfm>, click on Agriculture and Forestry TWG)

1. Agenda: see presentation for Call #7 (Slide #2) below.
2. Presentation for Call #7
3. Draft Call #6 Summary
4. CCS Policy List/List of Volunteers – updated at the end of this summary.

### Discussion items and key issues:

1. CCS provided a review of the call summary for Call #6. The call summary was approved without changes.
2. A review of the forestry straw proposals was made (Options F1-F2b). In addition to the policy design parameters of the straw proposals, methods and data sources for the quantification of benefits (following CCAG approval of the straw proposals) were discussed. PNM staff member Wayne Pilz was mentioned as a source of information on biomass energy in NM.
3. A review of three agricultural straw proposals also occurred (Options A1, A4 and A6). As with the forestry options, TWG members were asked to comment on the policy design parameters in each straw proposal. Some discussion of methods and data sources for quantifying benefits and costs also occurred. For Option A6, the TWG asked that a

citation for the data shown in the table be provided. NMED also posed the question as to whether an increase in conservation tillage could increase the need for ag burning (e.g. wheat stubble). The TWG agreed to look into this issue. As mentioned above, quantification of benefits and costs, and the additional details of policy design will not be added until after approval of each straw proposal at the next CCAG meeting on 4/26/06.

4. The TWG decided that each policy option should clearly state whether or not benefits extend beyond 2020, if they are not quantified.
5. The updated policy and volunteer list (attached) provides the current status of completed straw proposals. Those highlighted in green have been approved by the TWG for review by the CCAG at the 4/26/06 meeting.

Next steps and agreements:

1. Volunteer groups need to complete work soon on the straw proposals for the remaining agricultural options shown in the attached list. Several drafts have been completed within the past few days. These will be reviewed and circulated to the TWG via email. TWG members will be requested to clearly flag significant policy design issues and get these concerns back to CCS as soon as possible. Revised proposals will then be sent out to the TWG.
2. The next call will be set for the afternoon before the 4/26/06 CCAG meeting. CCS requests feedback on a proposed 2:00 – 3:30 MST time for the call. At this meeting, final review of any outstanding issues on straw proposals will be completed.

**Agriculture and Forestry Technical Work Group**  
**Volunteers for Straw Proposal Development**

#	Policy Name	# From Long List Policy Matrix	Volunteers	Email addresses
<b>FORESTRY</b>				
<b>F1</b>	Forestland Protection from Developed Uses (analyzed concurrently with A8 below)	6.1	George Duda (L), Patrick McCarthy, Jerry Payne, Amy Welch, Cecilia Abeyta, Sterling Grogan, <sup>a</sup>	<a href="mailto:george.duda@state.nm.us">george.duda@state.nm.us</a> , <a href="mailto:pmccarthy@tnc.org">pmccarthy@tnc.org</a> , <a href="mailto:jpayne01@fs.fed.us">jpayne01@fs.fed.us</a> , <a href="mailto:amy_p_welch@yahoo.com">amy_p_welch@yahoo.com</a> , <a href="mailto:cabeyta@zianet.com">cabeyta@zianet.com</a> , <a href="mailto:grogan@mrgcd.us">grogan@mrgcd.us</a>
<b>F2a</b>	Forest Health and Restoration – Residential Lands	6.8, 6.13, 6.14, 6.15, 6.16, 6.17, 6.18, 6.19 and possibly 7.1, 7.2, 7.3, 7.4, 7.5, and 8.1, 8.2, 8.3, 8.6	Amy Welch (L), George Duda, Jerry Payne, Patrick McCarthy	<a href="mailto:george.duda@state.nm.us">george.duda@state.nm.us</a> , <a href="mailto:jpayne01@fs.fed.us">jpayne01@fs.fed.us</a> , <a href="mailto:amy_p_welch@yahoo.com">amy_p_welch@yahoo.com</a> , <a href="mailto:pmccarthy@tnc.org">pmccarthy@tnc.org</a>
<b>F2b</b>	Forest Health and Restoration – Other Lands	6.8, 6.13, 6.14, 6.15, 6.16, 6.17, 6.18, 6.19 and possibly 7.1, 7.2, 7.3, 7.4, 7.5, and 8.1, 8.2, 8.3, 8.6	Patrick McCarthy (L), Jerry Payne, Amy Welch, George Duda	<a href="mailto:pmccarthy@tnc.org">pmccarthy@tnc.org</a> , <a href="mailto:jpayne01@fs.fed.us">jpayne01@fs.fed.us</a> , <a href="mailto:amy_p_welch@yahoo.com">amy_p_welch@yahoo.com</a> , <a href="mailto:george.duda@state.nm.us">george.duda@state.nm.us</a>
<b>AGRICULTURE</b>				
<b>A1</b>	Manure Digesters	1.1	Amy Welch (L), Michael Ebinger, Joel Brown, Cecilia Abeyta, <sup>b</sup>	<a href="mailto:amy_p_welch@yahoo.com">amy_p_welch@yahoo.com</a> , <a href="mailto:mhe@lanl.gov">mhe@lanl.gov</a> , <a href="mailto:joelbrow@nmsu.edu">joelbrow@nmsu.edu</a> , <a href="mailto:cabeyta@zianet.com">cabeyta@zianet.com</a>
A2	Biomass Feedstocks for Electricity or Steam Production	1.3	Brad Lewis (L), Amy Welch, Michael Ebinger, Charles Bensinger <sup>c</sup>	<a href="mailto:blewis@nmsu.edu">blewis@nmsu.edu</a> , <a href="mailto:amy_p_welch@yahoo.com">amy_p_welch@yahoo.com</a> , <a href="mailto:mhe@lanl.gov">mhe@lanl.gov</a> , <a href="mailto:newworld@timewindow.com">newworld@timewindow.com</a>
A3	Ethanol Production	1.4	Michael Ebinger (L), Amy Welch, Charles Bensinger <sup>c</sup>	<a href="mailto:mhe@lanl.gov">mhe@lanl.gov</a> , <a href="mailto:amy_p_welch@yahoo.com">amy_p_welch@yahoo.com</a> , <a href="mailto:newworld@timewindow.com">newworld@timewindow.com</a>
<b>A4</b>	Nutrient Management	2.1	Brian Hurd (L), Michael Ebinger	<a href="mailto:bhhurd@nmsu.edu">bhhurd@nmsu.edu</a> , <a href="mailto:mhe@lanl.gov">mhe@lanl.gov</a>
A5	Manure Management	2.2	Cecilia Abeyta (L), Amy Welch, Michael Ebinger, Joel Brown, <sup>b</sup>	<a href="mailto:cabeyta@zianet.com">cabeyta@zianet.com</a> , <a href="mailto:amy_p_welch@yahoo.com">amy_p_welch@yahoo.com</a> , <a href="mailto:mhe@lanl.gov">mhe@lanl.gov</a> , <a href="mailto:joelbrow@nmsu.edu">joelbrow@nmsu.edu</a>
<b>A6</b>	Conservation Tillage/No-Till; Increase Summer Fallow; Increase Winter Cover Crops <sup>d</sup>	3.1, 3.2, 3.3	Joel Brown (L), Cecilia Abeyta	<a href="mailto:joelbrow@nmsu.edu">joelbrow@nmsu.edu</a> , <a href="mailto:cabeyta@zianet.com">cabeyta@zianet.com</a>
A7	Convert Agricultural Land to Grassland or Orchards	4.1	Joel Brown (L), Brian Hurd, Sterling Grogan	<a href="mailto:joelbrow@nmsu.edu">joelbrow@nmsu.edu</a> , <a href="mailto:bhhurd@nmsu.edu">bhhurd@nmsu.edu</a> , <a href="mailto:grogan@mrgcd.us">grogan@mrgcd.us</a>
A8	Reduce Permanent Conversion of Farm and Rangelands to Developed Uses (analyzed concurrently with F1 above)	4.2	George Duda (L), Patrick McCarthy, Jerry Payne, Amy Welch, Cecilia Abeyta, Sterling Grogan	<a href="mailto:george.duda@state.nm.us">george.duda@state.nm.us</a> , <a href="mailto:pmccarthy@tnc.org">pmccarthy@tnc.org</a> , <a href="mailto:jpayne01@fs.fed.us">jpayne01@fs.fed.us</a> , <a href="mailto:amy_p_welch@yahoo.com">amy_p_welch@yahoo.com</a> , <a href="mailto:cabeyta@zianet.com">cabeyta@zianet.com</a> , <a href="mailto:grogan@mrgcd.us">grogan@mrgcd.us</a>
A9	Organic Farming	5.1	Louise Pape (L), Michael Ebinger, Connie Falk, <sup>e</sup>	<a href="mailto:louisepape@aol.com">louisepape@aol.com</a> , <a href="mailto:mhe@lanl.gov">mhe@lanl.gov</a> , <a href="mailto:cfalk@nmsu.edu">cfalk@nmsu.edu</a>
A10	Programs to Support Local Farming/Buy Local	5.2	Louise Pape (L), Amy Welch, Connie Falk, <sup>e</sup>	<a href="mailto:louisepape@aol.com">louisepape@aol.com</a> , <a href="mailto:amy_p_welch@yahoo.com">amy_p_welch@yahoo.com</a> , <a href="mailto:cfalk@nmsu.edu">cfalk@nmsu.edu</a>
A11	Biodiesel Production	1.2	Michael Ebinger (L), Amy Welch, Charles Bensinger <sup>c</sup>	<a href="mailto:mhe@lanl.gov">mhe@lanl.gov</a> , <a href="mailto:amy_p_welch@yahoo.com">amy_p_welch@yahoo.com</a> , <a href="mailto:newworld@timewindow.com">newworld@timewindow.com</a>

#	Policy Name	# From Long List Policy Matrix	Volunteers	Email addresses
<p><b>This option has been approved in concept for submittal to the CCAG for approval at the next TWG meeting on 4/26/06.</b></p> <p><sup>a</sup> John Mexal of NMSU was mentioned as a technical resource for this measure (<a href="mailto:jmexal@nmsu.edu">jmexal@nmsu.edu</a>)</p> <p><sup>b</sup> The TWG notes that Kyle Hoodenpyle of the ES TWG is a good source of information for this option.</p> <p><sup>c</sup> Charles Bensinger is not a member of the TWG (also on the ES TWG) but is a recognized expert in biofuels and is willing to assist in drafting up these options.</p> <p><sup>d</sup> CCAG requested that long list options 3.2 and 3.2 be bundled with option 3.1 for analysis.</p> <p><sup>e</sup> Jim Kerstetter (unknown affiliation) is a technical resource for this option.</p>				