

North Carolina

Climate Action Plan Advisory Group

Agriculture, Forestry, and Waste Technical Work Group Teleconference Meeting #7

October 5, 2006



Today's Agenda

- Call to order
- Roll Call of Technical Work Group (TWG) members
- Review and approval of last call summary
- Review of straw proposals for potential state actions
- Review of additional items on policy option template
- Review remaining issues on the draft emissions inventory and forecast for Agriculture, Forestry, and Waste, time permitting
- Call to the public
- Proposed agenda items for next meeting
- Announcements

TWG List of Volunteers

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

Straw Proposals for Potential State Actions

**See NC AFW Policy Options
Document Posted on the AFW web
page.**

Additional Items on the Policy Option Document

See AFW Policy Options Description
Template

Inventory & Forecast Issues

- Agriculture: no changes recommended by the TWG
- Waste Management: no changes recommended by the TWG
- Forestry: see next slides

Forestry

- TWG Issues? Emission Sources and Sinks:
 - Forested land = 56% of NC land area
 - Emissions based on carbon stock changes
 - Four carbon accounts:
 - Live and dead standing trees
 - Forest floor and coarse woody debris
 - Soils
 - Wood products and landfills

Forestry

NC Emissions and Sinks	1990-2000
Live and Dead Standing Trees	-6.9
Forest floor and coarse woody debris	-0.8
Soils	-3.1
Wood products and landfills	-13.0
Total	-23.7

Forestry

- Inventory (1990 and 2000):
 - Data Sources
 - U.S. Forest Service data from Forest Carbon Model (FORCARB) based on FIA data from years 1987-1997
 - Methods
 - Carbon stock changes, plus estimated flows from soil carbon and harvested wood products – **Information from C. Hopkins shows that mortality included in FIA data**
 - **New data available for wood products?**
- Ref. Case Projections (2001–2020):
 - Held constant at 1987-1997 rates

Public Input, Announcements

Next TWG Call

- Agenda
 - Review and discussion of straw proposal development
- Time and date