



**Governor's Action Team on Energy and Climate Change**  
*State of Florida*

**FLORIDA ENERGY and CLIMATE ACTION TEAM**

**Agriculture, Forestry, and Waste Technical Work Group (TWG)**  
**Notice of Teleconference Meeting, Call #6**  
**June 10, 2008**  
**10:00 AM – 12:00 PM EDT**

**Attendance:**

1. Technical Working Group members:  
Mike Branch, Marc Bruner, Doria Gordon, Jay Levenstein, R. David McConnell, Gary Peter, Kevin Robertson, Andrew Walmsley, Celeste White, Chris Winn and Doug Parsons (for Nick Wiley)
2. Center for Climate Strategies (CCS) staff:  
Steve Roe, Rachel Anderson
3. Florida Department of Environmental Protection: James McNeil,
4. Florida Agency Observers: none
5. Public Attendees: Janet Bowman with the Nature Conservancy, Bob Krasowski with the Florida Alliance for a Clean Environment

**Background documents:**

(all posted at <http://www.flclimatechange.us/AFW.cfm>)

1. Meeting Notice and Agenda
2. Summary of Call #5
3. Power Point Presentations for Teleconference
4. Florida AFW TWG Options Approved by FL Action Team
5. Updated Florida AFW Options Descriptions

**Discussion items and key issues:**

1. Steve Roe called the meeting to order, Rachel Anderson completed the roll call, and Steve reviewed the agenda and plans for the call.
2. Steve reviewed the Call 5 summary. The Call summary was accepted without change.
6. At the Florida Climate Action Team meeting each group presented their priorities for analysis for approval by the Action Team. The Action Team added additional



## Governor's Action Team on Energy and Climate Change

### *State of Florida*

elements to almost every AFW option. Members were directed to look at the file on the FL website entitled "Florida AFW TWG Options Approved by FL Action Team."

3. CCS reviewed the file and the FL Action Team additions. The final list of options is summarized here:
  - a. AFW-1: Forest Retention: no changes from the Action Team.
  - b. AFW-2: The Action Team Added an urban forestry element.
  - c. AFW-3: Forest Management umbrella option; no changes from the Action Team.
  - d. AFW-4: The Action Team added sub-elements to look at various types of feedstocks including long rotation forests, short rotation forests (6-10 year rotation), energy crops, MSW, and agriculture and forestry residues. A Member noted that we may want to address both open loop and closed loop systems.
  - e. AFW-5: The Action Team added nutrient and harvesting methods and wanted this option to be a broader agriculture option. The Action Team didn't want to promote just perennial crops (potentially in preference to annual row crops), so they changed the title back to "permanent cover."
  - f. AFW-6: The Action Team slightly changed the title to include not just agricultural land at the urban fringes but retention of open green space in the urban landscape as well.
  - g. AFW-7: This option is an analog to AFW-4 that looks at gaseous biofuels. The Action Team added the same breakout of feedstock types. The TWG might want to do the same refinement of the different feedstocks addressed here by categorizing them into open loop and closed loop biomass systems. A Member noted that algae wasn't specified in this option and asked if it should be included. CCS noted that it could be considered an "energy crop" and doesn't necessarily need to be individually listed, unless the TWG wanted to include specific goals for algae production.
  - h. AFW-8: The Action Team changed this to Advanced Municipal Solid Waste Management (including Bioreactor Technology) so the focus is more on advanced technologies and not specifically bioreactors. A Member noted that this gives the TWG the option to look at more fuel efficient collection as well as other things.
  - i. AFW-9: Improved Commercialization of Biomass to Energy Conversion & Bio-Products Technologies. The Action Team specified manure digestion, WWTP biosolids, other biomass conversion, and added bio-products.



## Governor's Action Team on Energy and Climate Change

### State of Florida

- j. AFW-10: Local Farming/Buy Local. This option minimizes food-miles. Depending on the direction that the TWG wants to take with this option, CCS noted that packaged products can also be considered in this category. In some states, the policy has been more targeted to fresh produce, meat/poultry, and dairy.
4. The next item is to identify a volunteer for each option or option element who will craft the Policy Description and Policy Design (a numeric goal with a timeline attached so that CCS can quantify the impact). Because of the Sunshine Law, members can't work offline together, but an individual can use the research available and contact other experts in the field and bring that back to the group. Rachel will send a straw proposal template with some sample language describing the policy and examples of goals from other states. The volunteers can use this as a starting point to mold FL goals or scratch it entirely and craft their own goals. These straw proposals will then be presented to the group on future calls for feedback and refinement.
5. We have added some extra calls to be used as needed so that we can hammer out the straw proposals, since these have to be done on a publicly-noticed call.
6. Volunteers:
  - a. AFW-1: Chris Winn for Nick Wiley noted that this option is in-line with the FL Wildlife Legacy Initiative and suggested placing Nick's name here. Chris will check with him. Doria Gordon, alternate. Jay Levenstein noted that we can get the Division of Forestry to weigh in and send some information to Rachel.
  - b. AFW-2: Celeste White – Urban Forestry. Nick Wiley – Forest Landscape. The Division of Forestry can work with Nick.
  - c. AFW-3: Mike Branch.
  - d. AFW-4: Gary Peter – long and short rotation forests and forestry residues. David McConnell – MSW biomass. Doria Gordon – other energy crops (withdrawn). Andrew Walmsley – agricultural residues.
  - e. AFW-5: Andrew Walmsley can do all of the elements. DEP Water Policy can help provide data on Nutrient Management.
  - f. AFW-6: Jay Levenstein and Department of Agriculture.
  - g. AFW-7: Very similar to AFW-4. CCS will provide an overview of biomass feedstock availability. Mike Branch has USFS forestry surplus data for FL and can share that with the group. Gary Peter – forestry. David McConnell – MSW. We need to do an initial breakout of which feedstocks lend themselves better to solid versus liquid fuels. Feedstocks and the potential fuels to be derived from these feedstocks can include whichever fuels this group wants to consider – e.g. biomass for cellulosic ethanol, seed or waste vegetable oils for biodiesel, algal feedstocks, etc.



## Governor's Action Team on Energy and Climate Change *State of Florida*

- h. AFW-8: Marc Bruner. David McConnell – alternate.
  - i. AFW-9: Andrew Walmsley – manure. WWTP biosolids – DEP and water management districts would be the best source of information, as well as the state associations of operators of water treatment plants. Kevin Robertson – will check with them. C. Biomass conversion technologies- need a TWG volunteer. D- bioproducts – need a TWG volunteer.
  - j. AFW-10: Jay Levenstein.
7. Rachel will send out a straw proposal template. Send straw proposals updates back to her by June 17<sup>th</sup> for discussion on the June 19<sup>th</sup> call.
8. Public comments:
- a. Janet Bowman with the Nature Conservancy and also sits on the TLU group. She noted that AFW-6 will be related to recommendations in TLU and Adaptation Workgroups that also address development conversion. She also called attention to pending legislation that may be relevant including a request for DEP to do a carbon sequestration inventory on land (related to AFW-3) and a provision that allows the Division of Agriculture to purchase agricultural easements (relevant) to AFW-6 in the Florida Forever bill.
  - b. Bob Krasowski with the FL Alliance for a Clean Environment. He asked if the straw proposal templates will be posted on the AFW webpage? Yes. Will names of volunteers be posted as well? Yes – these will be included in the Call Summary. He noted that many of the processes we are covering such as MSW conversion will have other emissions besides just CO<sub>2</sub> and encouraged the TWG to make sure these are addressed in the final policy options. CCS noted that each policy option will have a section where other issues are addressed though not quantified including other environmental benefits or dis-benefits.
9. Please send any data sources that would be helpful to [Rachel.anderson@pechan.com](mailto:Rachel.anderson@pechan.com).

### **Next steps and agreements:**

1. The next TWG meeting will be held on Thursday, June 19<sup>th</sup>, from 10:00 am- 12:00 pm.
2. Next FL Action Team meeting is Wed-Thu, July 9<sup>th</sup>-10<sup>th</sup>. The AFW TWG straw proposals will be presented on the 9<sup>th</sup>.
3. Dates for upcoming TWG conference calls:
  - a. June 19<sup>th</sup>, 10 am – 12 pm
  - b. June 23<sup>rd</sup>, 10 am – 12 pm - **CANCELLED**
  - c. June 24<sup>th</sup>, 10 am – 12 pm



## Governor's Action Team on Energy and Climate Change

*State of Florida*

- d. July 1<sup>st</sup>, 10 am – 12 pm
- e. July 15<sup>th</sup>, 10 am – 12 pm
- f. July 29<sup>th</sup>, 10 am – 12 pm
- g. August 12<sup>th</sup>, 10 am – 12 pm
- h. August 26<sup>th</sup>, 10 am – 12 pm