



## Billion Ton Study: What can be Learned about Bioenergy Sustainability?

### Field Trip– DRAFT Agenda

**Wednesday, September, 28, 2011 - Field Trip**

Time	Event	Lead
8:00 am	Depart from lobby of Comfort Inn	Becky Bowman
8:15 – 9:30 am	UT Arboretum: Forest Residue Collection	Matt Langholtz
9:30 – 10:15 am	Travel to ORNL Visitor Center (please have photo ID available)	
10:15 – 10:30 am	Travel to National Transportation Research Center	
10:30 – 11:45 am	National Transportation Research Center <ul style="list-style-type: none"> <li>• Material compatibility with biofuels</li> <li>• Vehicle Evaluation (Chassis dynamometer lab)</li> <li>• Biofuel engine optimization (Engine test cell)</li> <li>• Emissions issues with biofuels (Analytical lab)</li> </ul>	Tim Theiss and Mark Downing
11:45 am – 12:45 pm	Travel to Vonore restaurant	
12:45 – 1:45 pm	Working lunch – Overview of the University of Tennessee (UT) Biofuels Initiative and Switchgrass Program	Sam Jackson
1:45 – 3:30 pm	Travel to switchgrass field to discuss growing bioenergy crops	UT/Genera Energy (Sam Jackson/Ken Goddard/Jon Walton)
3:30 – 5:00 pm	Travel to Genera Energy LLC Biomass Innovation Park to discuss biomass logistics, processing and conversion	Genera Energy LLC (Sam Jackson/Clay Dye)
5:00 – 6:00 p.m.	Travel to hotel	

Point of Contact: Becky Bowman (cell: 505-699-3641 or [rzl@ornl.gov](mailto:rzl@ornl.gov))

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## Workshop – DRAFT Agenda

### Thursday, September 29, 2011 - Workshop – Day 1

Time	Event	Lead
7:50am	Bus leaves hotel traveling to ORNL Visitor Center (please have a photo ID available)	Becky Bowman
8:30 – 8:45 am	Welcome and introductions	Martin Keller
8:45 – 9:00 am	Purpose of workshop	Virginia Dale
9:00 – 9:30 am	Value of Billion Ton (BT) Study and sustainability to DOE	Ranyee Chiang
9:30 am – noon	Plenary: Background on Billion Ton Study	
9:30 – 9:50 am	<ul style="list-style-type: none"> <li>• BT overview and long-term perspective</li> </ul>	Bob Perlack
9:50 – 10:10 am	<ul style="list-style-type: none"> <li>• Assumptions and implications involving residues</li> </ul>	Richard Nelson
10:10 – 10:40 am	Break	
10:40 – 11:00 am	<ul style="list-style-type: none"> <li>• Assumptions and implications involving forest resources</li> </ul>	Bryce Stokes
11:00 – 11:20 am	<ul style="list-style-type: none"> <li>• Economic assumptions and implications</li> </ul>	Burt English
11:20 am – noon	<ul style="list-style-type: none"> <li>• Discussion with speaker panel</li> </ul>	
noon – 1:00 pm	Lunch –with discussion	
1:00 – 2:00 pm	Plenary: Use of the BT for sustainability analyses	
1:00-1:25 pm	<ul style="list-style-type: none"> <li>• Environmental and socioeconomic indicators of bioenergy sustainability</li> </ul>	Allen McBride and Paul Leiby
1:25- 1:50 pm	<ul style="list-style-type: none"> <li>• Demo of Knowledge Discovery Framework (KDF)</li> </ul>	Aaron Myers

1:50-2:00 pm	<ul style="list-style-type: none"> <li>• Breakout group assignments</li> <li>✓ Addressing Workshop Goal 2: Next steps for incorporating sustainability in resource analysis</li> <li>✓ Addressing Workshop Goal 3: Ways to use the Billion Ton Study data to explore bioenergy sustainability</li> </ul>
2:00 – 2:30 pm	Break
2:30 – 4:00 pm	Breakout group meetings
4:30 – 5:30 pm	Plenary – Reports from breakout groups
5:30 – 6:00 pm	Travel from ORNL to restaurant – Flatwater Grill
6:00 – 8:00 pm	Dinner at Flatwater Grill / Speaker
8:00 – 8:30 pm	Travel from restaurant to hotel

## Friday, September 30, 2011 - Workshop – Day 2

Time	Event	Lead
8:00 am	Bus leaves hotel traveling to ORNL	Becky Bowman
8:30-8:40 am	Plenary: New thoughts from prior day	
8:40 – 11:10 am	Plenary: How to use the Billion Ton Study to address sustainability concerns	
8:40 – 9:00 am	<ul style="list-style-type: none"> <li>• Optimizing economic and water quality within a region</li> </ul>	May Wu
9:00 – 9:20 am	<ul style="list-style-type: none"> <li>• Use of BT data for water quality estimates at large scales</li> </ul>	Yetta Jager
9:20 – 9:40 am	<ul style="list-style-type: none"> <li>• University researcher use of the BT Data</li> </ul>	Bryan Jenkins
9:40 – 10:00 am	<ul style="list-style-type: none"> <li>• USDA ARS researcher use of the BT Data</li> </ul>	Doug Karlan
10:00 – 10:30 am	Break	
10:30 – 10:50 am	<ul style="list-style-type: none"> <li>• Industry research use of the BT Data</li> </ul>	TBD
10:50 – 11:10 am	<ul style="list-style-type: none"> <li>• Other use of the BT Data</li> </ul>	Esther Parish
11:10 am – 12:30 pm	Breakout groups continued from Thursday	

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12:30 – 1:30 pm	Working Lunch – Continue meeting in breakout groups
1:30 – 2:30 pm	Plenary: Breakout reports and discussion
2:30-3:00 pm	Break & completion of workshop evaluation forms
3:00 -4:00 pm	Plenary: Next steps
4:00 pm	Adjourn workshop - bus departs for Knoxville Airport

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