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 • Material compatibility with biofuels • Vehicle Evaluation (Chassis dynamometer lab) • Biofuel engine optimization (Engine test cell) • Emissions issues with biofuels (Analytical lab)	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)

Oak Ridge National Laboratory · CBES Center for BioEnergy Sustainability · U.S. Department of Energy Energy Efficiency and Renewable Energy

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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	• BT overview and long-term perspective	Bob Perlack
9:50 – 10:10 am	• Assumptions and implications involving residues	Richard Nelson
10:10 – 10:40 am	Break	
10:40 – 11:00 am	• Assumptions and implications involving forest resources	Bryce Stokes
11:00 – 11:20 am	• Economic assumptions and implications	Burt English
11:20 am – noon	• Discussion with speaker panel	
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	• Environmental and socioeconomic indicators of bioenergy sustainability	Allen McBride and Paul Leiby
1:25- 1:50 pm	• Demo of Knowledge Discovery Framework (KDF)	Aaron Myers

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1:50-2:00 pm	• Breakout group assignments ✓ Addressing Workshop Goal 2: Next steps for incorporating sustainability in resource analysis ✓ Addressing Workshop Goal 3: Ways to use the Billion Ton Study data to explore bioenergy sustainability
2:00 – 2:30 pm	Break
2:30 – 4:30 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	• Optimizing economic and water quality within a region	May Wu
9:00 – 9:20 am	• Use of BT data for water quality estimates at large scales	Yetta Jager
9:20 –9:40 am	• University researcher use of the BT Data	Bryan Jenkins
9:40 – 10:00 am	• USDA ARS researcher use of the BT Data	Doug Karlan
10:00 – 10:30 am	Break	
10:30 – 10:50 am	• Industry research use of the BT Data	TBD
10:50 – 11:10 am	• Other use of the BT Data	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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