

2015 Project Peer Review

U.S. Department of Energy
Bioenergy Technologies Office

Technology Area Agenda – Sustainability and Strategic Analysis

Day 1: Monday, March 23, 2015			
Time	Sustainability and Strategic Analysis Technology Area		
	Project Title	Organization	Presenter
1:00 p.m.–1:15 p.m.	Analysis & Sustainability Introduction	U.S. DOE-BETO	Kristen Johnson
1:15 p.m.–1:45 p.m.	Bioenergy Sustainability: How to Define and Measure It	ORNL	Virginia Dale
1:45 p.m.–2:15 p.m.	Integrated Landscape Management	INL	Jacob Jacobson and Ian Bonner
2:15 p.m.–2:45 p.m.	Biomass Production and Nitrogen Recovery	ANL	Cristina Negri
2:45 p.m.–3:00 p.m.	Break		
3:00 p.m.–3:30 p.m.	Watershed Scale Optimization to Meet Sustainable Cellulosic Energy Crop Demands	Purdue University	Indrajeet Chaubey and Ben Gramig
3:30 p.m.–4:00 p.m.	Optimization of Southeastern Forest Biomass Crop Production: A Watershed Scale Evaluation of the Sustainability and Productivity of Dedicated Energy Crop and Woody Biomass Operations	North Carolina State University	George Chescheir
4:00 p.m.–4:30 p.m.	Short Rotation Woody Biomass Sustainability	ORNL	Natalie Griffiths and Rhett Jackson
Day 2: Tuesday, March 24, 2015			
9:45 a.m.–10:00 a.m.	Day Two Introduction	U.S. DOE-BETO	Alicia Lindauer
10:00 a.m.–10:30 a.m.	Systems Analysis	NREL-SI	John Lewis
10:30 a.m.–11:00 a.m.	Biomass Scenario Model	NREL-SI	Brian Bush
11:00 a.m.–11:20 a.m.	Economic Analysis of Policy Effects	INL	Jake Jacobson and Jason Hansen
11:20 a.m.–11:40 a.m.	Biofuels National Strategic Benefits Analysis	ORNL	Paul Leiby
11:40 a.m. – 12:00 p.m.	Reviewer Session	Reviewers Only	Reviewers Only
12:00 p.m.–1:00 p.m.	Lunch		
1:00 p.m.–1:45 p.m.	Strategic Analysis and Modeling	NREL	Mary Bidy
1:45 p.m.–2:05 p.m.	High-Level Techno-Economic Analysis of Innovative Technology Concepts	PNNL	Sue Jones
2:05 p.m.–2:35 p.m.	Refinery Integration	NREL, PNNL	Mary Bidy and Sue Jones
2:35 p.m.–2:55 p.m.	Biofuels Information Center (BIC)	NREL	Kristi Moriarty
2:55 p.m.–3:20 p.m.	Break		
3:20 p.m.–3:40 p.m.	Integration of Sustainability Metrics into Design Cases and State of Technology Assessments	NREL, PNNL	Mary Bidy and Lesley Snowden-Swan

3:40 p.m.–4:25 p.m.	GREET Development and Biofuel Pathway Research and Analysis	ANL	Michael Wang
4:25 p.m.–4:45 p.m.	Carbon Cycling, Environmental & Rural Economic Impacts of Collecting & Processing Specific Woody Feedstocks in Biofuels	CORRIM	Steve Kelley
4:45 p.m.–5:15 p.m.	Pathways Towards Sustainable Bioenergy Feedstock Production in the Mississippi River Watershed	University of Minnesota	Jason Hill
Day 3: Wednesday, March 25, 2015			
9:45 a.m.–10:00 a.m.	Day Three Introduction	U.S. DOE-BETO	Kristen Johnson
10:00 a.m.–10:20 a.m.	NREL Sustainability Analysis	NREL	Daniel Inman
10:20 a.m.–10:50 a.m.	Impact of Projected Biofuel Production on Water Use and Water Quality	ANL	May Wu
10:50 a.m.–11:20 a.m.	Forecasting Water Quality and Biodiversity	ORNL	Henrietta Jager
11:20 a.m.–11:50 a.m.	Biofuel Production in the Western U.S.	PNNL	Mark Wigmosta
11:50 a.m.–12:00 p.m.	Facilitated Discussion	Reviewers Only	Reviewers Only
12:00 p.m.–1:00 p.m.	Lunch		
1:00 p.m.–1:20 p.m.	Land-Use Change Data and Analysis	ORNL	Nagendra Singh
1:20 p.m.–1:40 p.m.	Global Feedstock Supply Modeling and Land Use	ORNL	Gbadebo Oladosu
1:40 p.m.–2:00 p.m.	Global Change Assessment Model (GCAM) Bioenergy and Land-Use Modeling	PNNL	Marshall Wise
2:00 p.m.–2:20 p.m.	Bioenergy Knowledge Discovery Framework	ORNL	Aaron Myers
2:20 p.m.–2:35 p.m.	Break		
2:35 p.m.–3:05 p.m.	Addressing Global Barriers to Growth of the U.S. Bioeconomy	ORNL	Keith Kline
3:05 p.m.–3:50 p.m.	International Sustainability and Support to IEA Bioenergy Task 38	NREL	Helena Chum
3:50 p.m.–4:00 p.m.	Closing Remarks	U.S. DOE-BETO	Kristen Johnson