

2015 Project Peer Review

U.S. Department of Energy
Bioenergy Technologies Office

Technology Area Agenda – Algal Feedstocks

Day 1: Monday, March 23, 2015			
Time	Algal Feedstocks Technology Area		
	Project Title	Organization	Presenter
1:00 p.m.–1:30 p.m.	Algae Program Overview	U.S. DOE-BETO	TBD
1:30 p.m.–2:00 p.m.	National Alliance of Advanced Biofuels and Bioproducts (NAABB)	Donald Danforth Plant Science Center	Jose Olivares
2:00 p.m.–2:30 p.m.	Large-Scale Production of Fuels and Feed from Marine Microalgae	Cornell University	Mark Huntley
2:30 p.m.–3:00 p.m.	Algal Biodiesel via Innovative Harvesting and Aquaculture Systems	Renewable Algal Energy	Jeff Kanel
3:00 p.m.–3:15 p.m.	Break		
3:15 p.m.–3:45 p.m.	Algae Biotechnology	LANL	Babetta Marrone
3:45 p.m.–4:15 p.m.	Multi-Scale Characterization of Improved Algae Strains	LANL	Taraka Dale
4:15 p.m.–4:45 p.m.	Producing Transportation Fuels Via Photosynthetically Derived Ethylene	NREL	Jianping Yu
4:45 p.m.–5:15 p.m.	Managing the Microbial Ecology of a Cyanobacteria-Based Photosynthetic Factory Direct	Arizona State University	Bruce Rittman
Day 2: Tuesday, March 24, 2015			
9:45 a.m.–10:00 a.m.	Algae Program Opening	U.S. DOE-BETO	TBD
10:00 a.m.–10:30 a.m.	Polyculture Analysis	INL	Deborah Newby
10:30 a.m.–11:00 a.m.	Algae Polyculture Conversion and Analysis	SNL	Ronald Pate
11:00 a.m.–11:30 a.m.	Sustainable Development of Algae for Biofuel	ORNL	Virginia Dale and Matthew Langholtz
11:30 a.m.–12:00 p.m.	Microalgae Analysis	PNNL	Mark Wigmosta
12:00 p.m.–1:00 p.m.	Lunch		
1:00 p.m.–1:30 p.m.	Hydrocyclone Separation of Targeted Algal Intermediates and Products	ANL	Philip Laible
1:30 p.m.–2:00 p.m.	Consortium for Algal Biofuels Commercialization	University of California at San Diego	Stephen Mayfield
2:00 p.m.–2:30 p.m.	Algal Biomass Conversion	NREL	Philip Pienkos
2:30 p.m.–3:00 p.m.	Algal Biomass Valorization	NREL	Lieve Laurens
3:00 p.m.–3:15 p.m.	Break		

3:15 p.m.–3:45 p.m.	Protein Fermentation	SNL	Ryan W. Davis
3:45 p.m.–4:15 p.m.	Algal Biofuels Techno-Economic analysis	NREL	Ryan Davis
4:15 p.m.–4:45 p.m.	Hydrothermal Liquefaction Model Development	PNNL	Susan Jones
4:45 p.m.–5:15 p.m.	Thermochemical Interface	PNNL	Daniel Anderson
Day 3: Wednesday, March 25, 2015			
9:45 a.m.–10:00 a.m.	Algae Program Opening	U.S. DOE-BETO	TBD
10:00 a.m.–11:00 a.m.	Algae Testbed Public-Private Partnership (ATP3)	Arizona State University	Gary Dirks
11:00 a.m.–11:30 a.m.	Regional Algal Feedstock Testbed Partnership	University of Arizona	Kimberly Ogden
11:30 a.m. –12:00 p.m.	Advancing Commercialization of Algal Biofuels through Increased Biomass Productivity and Technical Integration	Cellana	Valerie Harmon
12:00 p.m.–1:00 p.m.	Lunch		
1:00 p.m.–1:30 p.m.	Integration of Nutrient and Water Recycling for Sustainable Algal Biorefineries	University of Toledo	Sridhar Viamajala
1:30 p.m.–2:00 p.m.	Major Nutrient Recycling for Sustained Algal Production	SNL	Todd Lane
2:00 p.m.–2:30 p.m.	Recycling of Nutrients and Water in Algal Biofuels Production	California Polytechnic State University	Tryg Lundquist
2:30 p.m.–3:00 p.m.	Scale-Up of Algal Biofuel Production Using Waste Nutrients	California Polytechnic State University	Tryg Lundquist
3:00 p.m.–3:15 p.m.	Break		
3:15 p.m.–3:45 p.m.	Biomass Productivity Technology Advancement Towards a Commercially Viable, Integrated Algal Biomass Production Unit	Sapphire Energy, LLC	Yan Poon
3:45 p.m.–4:15 p.m.	Realization of Algae Potential (REAP)	New Mexico State University	Peter Lammers
4:15 p.m.–4:45 p.m.	Development of Algal Biomass Yield Improvements in an Integrated Process	Hawaii Bioenergy, LLC	Joel Matsunaga
4:45 p.m.–5:00 p.m.	Wrap-Up	U.S. DOE-BETO	TBD