

Tuesday, February 9, 2010

7:00 AM	ENTRANCE HALL – Registration/Continental Breakfast	
	GENERAL SESSION	
8:00 AM	Administrative Announcements Mr. Neil Huber, Concurrent Technologies Corporation (CTC)	
8:10 AM	Welcoming Remarks Mr. Robert David, Advanced Power Technology Office (APTO)	
8:20 AM	Keynote Address Mr. David M. King, Director of Energy Policy, SAF/IEE	
9:00 AM	APTO Overview Mr. Robert David, APTO	
9:30 AM	US Air Force Technology Opportunities Overview Mr. Omar Mendoza, SAF/IEE	
10:00 AM	Break	
	CONCURRENT SESSIONS	
	BREAKOUT SESSION 1	BREAKOUT SESSION 2 Aviation Alternative Fuels Past, Present and Future
10:30 AM	Tactical Electric Power Overview Mr. Michael Padden, Mobilie Electric Power	B-52 Blended Fischer-Tropsch (F-T) and JP-8 Certification Mr. Jerold Smith, USAF Tinker AFB
11:00 AM	Hybrid Intelligent Power: Intelligent Power Management for Army Microgrids Ms. Michelle Frantzen, RDECOM CERDEC	AF Certification Status & Future Plans Ms. Heather Haskin, 77 AESW/LF (AFCO) Ms. Yadira Ayala-Marrero, 77 AESW/LF
11:30 AM	Methodology for Developing and Implementing Microgrids Mr. Clark Boriack, CTC	Navy "Green Hornet" Program Mr. Rick Kamin, NAVAIR
12:00 PM	Luncheon/Speaker Renewable Energy and How to Get There Mr. Don Juhasz, PE, DLA	
1:00 PM	Smart Microgrid Energy Management Controls for Improved Energy Efficiency and Renewable Energy Integration at DoD Installations Mr. Michael Gayle, GE	Alternative Aviation Fuels and the Army Mr. Eric Sattler, US Army/TARDEC
1:30 PM	Intelligent Microgrid to Reduce Peak Demand, Provide Load as a Resource, and Integrate Renewable and Distributed Energy Resources Mr. John Kueck, PE, Oak Ridge National Lab	The Commercial Aviation Alternative Fuels Initiative: Goals, Tools and Accomplishments Dr. Kristin Lewis, US DOT
2:00 PM	NextEnergy's Electronic Power Control & Conditioning (EPCC) System and Alternative Generating Technologies Mr. David McLean, PE, NextEnergy Center	Progress Update - Interagency Workgroup on Life Cycle GHG Emissions of Alternative Aviation Fuels Mr. Timothy Skone, PE, DOE/NETL
2:30 PM	Break	
3:00 PM	Software Modeling and Validation of a Microgrid Mr. Clark Boriack, CTC	The Development of UOP Processes to Produce Semi- and Fully-Synthetic Green Jet Fuel from Renewable Feedstocks Mr. Michael McCall, Honeywell UOP
3:30 PM	Geothermal Heat Pumps-Fundamentals and Opportunities for Energy Storage/Energy Savings Mr. Chuck Hammock, PE, Andrews, Hammock & Powell, Inc.	Renewable Hydrocarbon Fuels from Algae for Military Applications Ms. Carol Cash, Ohio Aerospace Institute
4:00 PM	Bridging the Gap: DoD Clean Energy Commercialization- Installations as Living Laboratories Mr. Harold Sanborn, ERDC-CERL	Alternative Fuels from Algae Dr. Peter Attia, Sapphire Energy
4:30 PM	Ohio Air National Guard Renewable Energy Demonstrations Mr. Mark Ray, CTC	Renewable Diesel and Jet Fuels by 2011 Dr. Kinkead Reiling, Amyris
5:00 PM	Critical Energy Risk Factor-Building Occupant Behavior Ms. Tabitha Crawford, Balfour Beatty Energy Solutions	Status of the Assured Aerospace Fuels Research Facility Mr. Robert Morris, AFRL/RZPF
5:30 PM	Adjourn	
5:30-7:00 PM	Networking Social	

Wednesday, February 10, 2010

7:00 AM	ENTRANCE HALL – Registration/Continental Breakfast	
	CONCURRENT SESSIONS	
	BREAKOUT SESSION 1	BREAKOUT SESSION 2
8:00 AM	Emergency Back-Up Power for Critical Infrastructure – Hydrogen Fuels Cells Role Mr. Harold Sanborn, ERDC-CERL	Drop-in Jet and Diesel Fuels from Renewable Oils Mr. Edward Coppola, Applied Research Associates, Inc.
8:30 AM	Update on the Transportable Plasma Resource Recovery System Project at Hurlburt Field Mr. Ron Omley, HQ AFSOC/A7 Ms. Gillian Holcroft, Pyrogenesis, Inc.	Lightweight, Flexible Solar Energy Harvesting and Storage Capabilities for Air Force Applications Ms. Lisa Denny, AFRL
9:00 AM	Concentrating Photovoltaic Technology in Renewable Energy Projects Mr. Mark Gaiser, Emcore, Inc.	Comparing Microbial Contamination in Different Types of Fuel Ms. Susan Mueller, University of Dayton Research Institute
9:30 AM	Renewable Energy Technology Evaluations for Military Installations Mr. Gregory Wilcox, PE, New West Technologies	Brazilian Alternative Energy Programs & Social Inclusion Mr. J. Clovis Lemes, Candex Brasil Ltda
10:00 AM	Break	
10:30 AM	Compact, Rapidly Deployable Multi-Megawatt Nuclear Power Systems for Generation of Electricity, Hydrocarbon Fuels, and Water at Remote Locations Dr. Paul Farrell, Radix Power and Energy Corporation	Characterization of the Products from Current Biofuel Technologies as Potential Renewable Energy Sources that meet JP-8 Specifications Dr. Joshua Sadler, Army Research Laboratory Ms. Felicia Levine, Army Research Laboratory
11:00 AM	Ocean Wave Energy Conversion Using a Cycloidal Wave Energy Converter Dr. Stefan Siegel, USAF Academy	Critical Aspects of Algae-to-Fuel Scenarios: Scrutinizing the Potential for Algae-based Fuel Production Mr. Dirk Link, US DOE/NETL
11:30 AM	Small Modular Reactors - Energy to Save the World Ms. Deborah Blackwell, Hyperion Power Generation, Inc.	Rotating Machines as an Alternative Method of Energy Storage and Power Management Mr. Mike Werst, University of Texas
12:00 PM	Luncheon/Speaker The Legal Landscape for Greenhouse Gas Emissions and Associated Energy Costs Mr. Michael McCann, CTC	
1:00 PM	Renewable Hydrogen Production at Hickam Air Force Base in Hawaii Mr. Thomas Quinn, Hawaii Center for Advanced Transportation Technologies	Complex Energy Problems, Integrated Solutions – Roadmap to Achieving Success Dr. Arthur Howard, Robins AFB Energy Office Mr. Ross Harding, Verdant Resources, LLC
1:30 PM	Fuel Cell Market Transformation: The Perspective of the DOE Fuel Cell Technologies Program and Other Federal Agencies Mr. Pete Devlin, DOE	Hybrid Vehicle Development, Demonstration and Evaluation Support Mr. Gregory Wilcox, PE, New West Technologies
2:00 PM	Cost Effective Production of Algae Oil Mr. Mike Werst, University of Texas	Alternatively Powered Tow Vehicles Major LaRue DeWald, III, AATC First Lieutenant Aurelio Irizarry, AFRL
2:30 PM	Break	
3:00 PM	High Temperature Co-electrolysis of CO2 and Steam Using Solar Concentrator Photovoltaics to Produce Synthesis Gas Mr. Lyman Frost, Ceramatec, Inc.	Summary of On-going Biomass and Waste to Energy Analyses Being Conducted for Several DOD Installations Mr. Scott Haase, National Renewable Energy Laboratory
3:30 PM	A Potential Roadmap to Field Deployable Alternative Energy Sources and Highly Efficient Energy Storage Mr. Roger Lenard, Planetary Power, Inc.	Large Scale PEM Electrolysis for Renewable Hydrogen Fuel Production Mr. Stephen Szymanski, Proton Energy Systems
4:00 PM	Alignment of Defense Assured Fuels Initiative Goals with Global Fuel Supply Realities Dr. Stephen P. Bergin, PE, VSE Corporation Mr. Hans Steiniger, VSE Corporation	Maintenance-Free Stirling Engines and Cryocoolers for Alternative Energy Applications Mr. Maurice White, Infinia Corporation
4:30 PM	Developing Solutions to Take Geothermal Heat Pumps from Niche to Mainstream Mr. Jonathan Cross, New West Technologies	Large Scale Algae Photobioreactors for CO2 Sequestration and Biofuel Generation Dr. Sukh Sidhu, University of Dayton Research Institute
5:00 PM	Wrap-up/Adjourn	