Wednesday, November 10, 2004

7:45 AM  Continental Breakfast

8:30  Welcome and Overview – Dr. Imre Gyuk, DOE

8:40  DOE Perspective – DOE

9:00  ESS Program Overview – John Boyes, Sandia National Laboratories

9:20  NYSERDA/DOE Joint Energy Storage Initiative – Joe Sayer, NYSERDA

9:40  CEC/DOE Energy Storage Initiative
  •  Project Overview – Pramod Kulkarni, CEC
  •  Data Management – Doug Dorr, EPRI, PEAC

10:20  Break

10:40  Boeing Superconducting Flywheel Development – Philip Johnson, Boeing

11:00  Bipolar Nickel Metal Hydride Battery Development and Testing – Jamie Landi, EEI and Joe Waligorski, First Energy

11:20  NanoMaterial-Based Electrodes for Energy Storage Devices – Amit Singhal, NEI Corporation

11:40  Lunch on your own

1:00 PM  Alternative Configurations to Optimize Lead-Acid Batteries for Renewable Generation and Storage, R&D and Testing for US Coast Guard – Phil Symons, EECI

1:30  Optically Isolated, HV/IGBT-Based, Megawatt, Cascaded Inverter Building Block for DER Applications and Low–cost, Modular, Highly Reliable Inverter – Paul Duncan, Airak, Inc.

1:50  Development of PCS Systems for Super Capacitors – Dave Nichols, AEP

2:10  Break
2:30  Integration and Testing of Energy Storage with FACTS Devices for Stability, Voltage Maintenance, and D/C Interaction – Mariesa Crow, UMR

2:50  ETO Switch Development for Power Conditioning – Alex Huang, NCSU

3:10  Inverter Packaging with Integral Liquid Cooled Heat Exchanger – Larry Rinehart, RinehartMotion Systems

3:30 – 5:30 INTERNATIONAL PERSPECTIVES ON ENERGY STORAGE, Panel Discussion, organized by the Electricity Storage Association (ESA)

5:00 – 7:30 RECEPTION, co-hosted by ESA and the US Energy Association

Thursday, November 11, 2004

8:30AM  Impact of CAES on Wind in TX, OK, NM – Nisha Desai, Ridge Energy

8:50  CAES Projects in Iowa – Bob Haug, Iowa Association of Municipal Utilities

9:10  Overcoming Transmission Constraints: Energy Storage and WY Wind Power – Mindy Farber-DeAnda, SAIC

9:30  EPRI-DOE Storage Handbook – Storage for Wind Resources – Dan Mears, Technology Insights

9:50  Analysis of the NAS Battery Demonstration at AEP – Ben Norris, Gridwise

10:10  Break

10:30  Lead Carbon Supercapacitors Development – Charles Koontz, AEP

10:50  Comparison Testing of Supercapacitors – Tom Hund, Sandia

11:10  Advanced, Lead-Acid Battery Improvement Studies – Pat Moseley, ILZRO

11:30  Lunch on your own

1:00 PM  Alaska Battery-Diesel System (Model Development; Lime Village Data (Acquisition & Analysis) – Lumas Kendrick, Sentech

1:20  Applying Bulk Energy Storage to HELCO Operational Issues, Larry Markel, Sentech

1:40  Value of Storage for Restructured Utilities – Joe Iannucci, DUA

2:00  Short vs. Long-term Energy Storage Technologies Assessment – Susan Schoenung, 122 West

2:20  The Value of Reliability Resources – Joe Eto, LBL

2:25  Energy Storage and the Cost of Darkness – Dr. Imre Gyuk