Thursday, January 18, 2007

11:00  Welcome and Introductions

11:15  Transitioning to a Modern Grid, Opportunities for Universities, Kurt Yeager, President Emeritus, EPRI, Galvin Foundation

12:00noon  Brief Overview of Opportunities for Research, Development and Demonstrations of Integrated Energy Conversion, Distribution and Conservation in CMU’s:
- Neighborhood: Bellefield Steam Generating Plant, Martin Altschul
- Campus Energy and Electricity Use, Martin Altschul, Bradley Hochberg, Barbara Kviz
- Building as Power Plant (BAPP), Volker Hartkopf
- Intelligent Workplace Energy Supply System (IWESS), David Archer
- Information Technology Enabled Sustainability Test-bed (ITEST), Volker Hartkopf

12:30  Lunch

2:00  In-Depth Presentations and Discussions
- Bellefield Steam Generation Plant and Future Plans Status, Challenge and Potential Solutions, Martin Altschul
- Coal Gasification, Distributed Electric Energy Generation, David Archer with Robert Romanosky and Donald Bonk of the National Energy Technology Laboratory (NETL)
- CO2 Sequestration: Are Large Greenhouses an Option? Volker Hartkopf, Richard Piacentini, Phipps Conservatory, Valentin Kefeli, Slippery Rock Watershed
- River Quest, Dan Siewiorek
- Commonwealth of Pennsylvania Clean Coal Technology Initiatives, a representative of the Department of Environmental Protection (DEP) (to be confirmed)

3:30  Break
4:00  Campus
• Energy and Electricity Use, Renewables and Conservation Opportunities, Martin Altschul, Bradley Hochberg, Barbara Kviz
• Prototypical Building Level Electricity Monitoring Project, James Garrett
• Center for Sensed Critical Infrastructures: Goals and Objectives, James Garrett and Matthew Sanfilippo
• CMU Electricity Industry Center Goals and Objectives, (Jay Apt) (to be confirmed)
• People Tracking, Dan Siewiorek

5:15  Adjournment of First Day

7:00  Dinner

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**Friday, January 19, 2007**

8:00am  Coffee and pastries

8:30  Wei, Quingpeng, Professor, Tsinghua University, China, Control Systems and Energy Use

9:00  Gates Building HVAC, Building Automation, Energy Use Predictions
Andrew Reilly (to be confirmed)

9:30  Building as Power Plant (BAPP), Volker Hartkopf

10:00  Intelligent Workplace Energy Supply System (IWESS)
David Archer, and team: Fred Betz, Yun Gu, Sophie Masson, Ming Qu, Viraj Srivastava, Chaoqin Zhai

10:45  Information Technology Enabled Sustainability Test-bed (ITEST) Volker Hartkopf, Khee Poh Lam and Industrial Partners (Aircuity, Airadvice, Bosch, Cisco Systems, LTG, Siemens, Somfy)

11:15  Arndt Lutz, Conergy, The Conergy Business Model (title to be confirmed)

11:45  Planning Next Steps, Volker Hartkopf

12:30  Meeting adjourns with lunch

The persons named without an affiliation indicated are CMU faculty or staff.