CERTS R&M Review
August 7-8, 2012
Cornell University
Statler Hotel
130 Statler Drive | Ithaca, NY 14853
(607) 257-2500

Day 1: August 7, 2011
The meeting will be held in the Statler Hotel (Yale/Princeton conference rooms)

8:30   Continental Breakfast (Conference Foyer 2)

9:00   Introductions and overview – Bob Thomas

9:15   DOE Vision/Priorities/Future Directions – Phil Overholt

9:30   **#1: Transmission Investment Assessment under Uncertainty**
About Fuel Prices, Technology, Renewables Penetration and Market
Responses Using a Multi-Stage Stochastic Model Approach with Recourse
Ben Hobbs, Dick Schuler, Francisco Munoz

10:15   **#2: Renewable Integration Through Risk-Limiting Dispatch And**
Distributed   Resource Aggregation
Pravin Varaiya, Felix Wu, K. Poolla, Anand Subramanian

11:00   Break

11:30   **#3: Development and Testing of New Tools**
Ray Zimmerman, Carlos Murillo-Sánchez, Lindsay Anderson, Daniel Monez
Alverez, Bob Thomas,

12:15   Lunch (Taylor A&B conference rooms)

1:30   **#4: Commercialization of the SuperOPF Framework: Phase 2**
Hsiao-Dong Chiang, Bin Wang**,** Patrick Causgrove**,** Ray Zimmerman

2:15   **#5: Essence of Structure Preserving (ESP) Network Reductions for**
Engineering and Economic Analysis of High Penetration of Renewables
Dan Tylavsky, HyungSeon Oh, William Schulze, Ray Zimmerman, Di Shi

3:00   Break

3:30 **#6: A Business Model for Retail Aggregation of Responsive Load to Produce Wholesale Demand Side Resources**
Shmuel Oren

4:15 **#7: Dynamic Energy and Environmental Dispatch of Power Systems**
Max Zhang, Dick Schuler

5:00 Working dinner breakout assignments.

Dinner at 6PM at Bob and Kinga's, 375 Powers Rd., King Ferry, NY 13081

DAY 2: August 8, 2011
(Yale/Princeton conference rooms)

8:30 Breakfast (Conference Foyer 2)

9:00 **#1: Evaluating the Effects of Managing Controllable Demand and Distributed Energy Resources Locally on System Performance and Costs**
Tim Mount, Alejandro D. Dominguez-Garcia, Alberto Lamadrid, Ray Zimmerman

9:45 **#2: Mapping Energy Futures: The SuperOPF Planning Tool**
Bill Schulze, Dick Schuler, Ray Zimmerman, Dan Shawhan, John Taber, Jubo Yan, Andy Kindle

10:30 **#3: Understanding the Effects of Data Quality on Market Functions**
Lang Tong, Liyan Jia

11:15 Break

11:45 **#4: Development of Attribute Preserving Network Equivalents**
Tom Overbye, Ray Klump

12:30 Lunch (Taylor A&B conference rooms)

1:30 Presentations by breakout groups and discussion of future research agenda – Bob Thomas, Phil Overholt, Joe Eto

2:30 Adjourn