



Technical Conference on Demand Response in Wholesale Markets

**AD07-11
April 23, 2007**

Agenda

9:00 Welcoming Remarks by Chairman and Commissioners

9:20 Demand Response in Grid Operation and Markets – Part 1

- Questions for panelists:
 - What was the experience with demand response during 2006, particularly during the summer heat events?
 - Can demand response replace operating reserves, and, if not, what are the obstacles?
 - What is the amount of potential demand response available during system emergencies in your regions? How do you know what is a potential demand response? How much of this capability was utilized in 2006?
 - Several years of experience with ISO demand response programs are now available. Based on this experience, what is your evaluation of these programs?
 - What is the status of efforts to coordinate wholesale ISO demand response programs or market designs with retail demand response?
 - What new efforts, market designs or programs are underway within your regions to further integrate demand response?
 - What needs to be done in the future to fully integrate demand response?

- Panelists
 - Andrew Ott, Vice Presidents, Markets, PJM Interconnection, L.L.C.
 - Henry Yoshimura, Manager, Demand Response, ISO New England
 - Glen Perez, Internal Audit Manager, California Independent System Operator
 - Mark S. Lynch, President and Chief Executive Officer, The New York Independent System Operator
 - Michael Robinson, Senior Manager of Markets, Midwest ISO

10:50 Break

11:00 Demand Response in Grid Operation and Markets – Part 2

- Questions for panelists:
 - What has been your experience with ISO/RTO demand response programs?
 - What is your assessment of the ISO/RTO programs that allow customers to bid their load reductions directly into day-ahead or retail markets?
 - What can be done to further integrate demand resources into wholesale markets?
 - What is the status of the coordination of retail demand response programs and rates into wholesale market designs, and what are the obstacles?
 - How can new technologies and approaches be used to increase the level of demand response and price responsiveness in markets?

- Panelists
 - The Honorable Daniel Ebert, Chairman, Public Service Commission of Wisconsin
 - Dennis M. Derricks, Director of Regulatory Policy and Analysis, Wisconsin Public Service Corporation
 - Dr. Bernie Neenan, Vice President, UtiliPoint International
 - Walter F. Brockway, Manager, Regulatory Affairs – Energy, Alcoa, Inc.
 - Phil Giudice, Senior Vice President of Corporate Development, EnerNOC
 - John J. “Jack” McGowan, President and CEO, Energy Control Inc. and Chairman, Gridwise Architecture Council
 - Robert Pratt, Program Manager of GridWise™, Pacific Northwest National Laboratory
 - Dan A. Sharplin, Chairman and Chief Executive Officer, Site Controls, Inc.

12:30 Lunch

1:45 Measurement and Evaluation of Demand Response Resources

- Questions for panelists:
 - What are the current best practices to measure, verify, evaluate and forecast demand resources?
 - What is the latest research and opinion on the firmness, sustainability and reliability of demand resources; measurement and verification (M&V) protocols; customer load forecasts; customer baseline estimation; and the potential for free-ridership?
 - Are the approaches and principles that have been used historically to measure and verify savings from energy efficiency applicable to wholesale demand response resources? If they are not, what changes are needed to make them applicable?
 - If demand resources are providing capacity resources or serving as an alternative or complement to transmission expansion, what are the key factors that need to be measured and verified, and at what level of precision? Can the current form and precision of measurement and verification approaches be utilized or are new approaches needed?
 - Should there be uniformity on how demand resources are measured and verified across markets?

- Panelists
 - Jeff Schlegel, Independent Consultant, Schlegel & Associates, LLC
 - David Nevius, Senior Vice President and Director of Reliability Assessment and Performance Analysis, North American Electric Reliability Council
 - The Honorable Diane Munns, Executive Director, Retail Energy Services, Edison Electric Institute, representing the National Energy Efficiency Action Plan
 - Rae McQuade, President, North American Energy Standards Board
 - Dr. Miriam “Mimi” L. Goldberg, Senior Vice President, KEMA, Inc.
 - Glen Perez, Internal Audit Manager, California Independent System Operator
 - Julie E. Michals, Public Policy Outreach Manager, Northeast Energy Efficiency Partnerships

3:15 Break

3:25 Demand Resources as an Alternative or Complement to Transmission Expansion

- Questions for panelists:
 - Do current transmission planning processes integrate demand resources as an alternative or complement to transmission system upgrades? If so, how and is this approach sufficient? Are other forms of demand reduction, such as load shedding, incorporated into current transmission planning processes? If so, how?
 - What would be the key elements of a planning process that integrates demand resources as an alternative or complement to transmission facilities additions? What should be the means to determine the costs and benefits of a demand resource alternative or complement to transmission upgrades?
 - What are the current advantages, challenges and obstacles to implementation of demand resources as an alternative or complement to transmission facilities additions?
 - What market design or ratemaking initiatives can be taken to encourage the deployment of demand resources, and enabling technologies, in operating and planning the transmission system?
 - How should customers that provide a demand resource alternative/complement to transmission expansion be compensated?

- Panelists
 - Steven G. Whitley, Senior Vice President and Chief Operating Officer, ISO New England
 - William “Bill” Whitehead, General Manager, Transmission and Interconnection Planning, PJM Interconnection, L.L.C.
 - Sandra Levine, Senior Attorney, Conservation Law Foundation
 - Dr. Eric C. Woychik, Executive Consultant, Strategy Integration L.L.C., participating on behalf of Comverge, Inc.
 - Richard A. Spring, Vice President, Transmission Services, Kansas City Power & Light, on behalf of EPRI

4:55 Concluding Remarks