



# Smart Grid Peer Review

## November 2-4, 2010

Denver Marriott West  
Golden, Colorado

## AGENDA

### Tuesday, November 2, 2010

8:00 am	<b>Registration and Continental Breakfast</b>
9:00 am-9:10 am	<b>Welcome</b> <b>Dr. Robert Hawsey</b> , Associate Laboratory Director for Renewable Electricity and End Use Systems, <i>US DOE-National Renewable Energy Laboratory</i>
9:10 am-9:25 am	<b>Overview of Smart Grid Program</b> <b>Eric Lightner</b> , <i>U.S. Department of Energy</i>
9:25 am-9:40 am	<b>Overview of Smart Grid Research and Development Activities</b> <b>Dan Ton</b> , <i>U.S. Department of Energy</i>  <i>Moderator – Merrill Smith, U.S. Department of Energy</i>
9:40 am-10:10 am	<b>University of Hawaii Renewable and Distributed Systems</b> <b>Jay Griffin</b> , <i>University of Hawaii</i>
10:10 am-10:40 am	<b>Demonstration of a Coordinated and Integrated System</b> <b>Dennis Sumner</b> , <i>City of Fort Collins</i>
10:40 am-11:00 am	<b>Break</b>  <i>Moderator – Merrill Smith, U.S. Department of Energy</i>
11:00 am-11:30 am	<b>Integrated, Automated DG Technologies Demonstration</b> <b>Roger Weir</b> , <i>ATK Launch Systems</i>
11:30 am-12:00 pm	<b>The Perfect Power Prototype for the Illinois Institute of Technology</b> <b>Mohammad Shahidehpour</b> , <i>Illinois Institute of Technology</i>
12:00 pm-1:00 pm	<b>Lunch</b>  <i>Moderator – Steven Bossert, National Energy Technology Laboratory</i>
1:15 pm-1:45pm	<b>Interoperability of Demand Response Resources in New York</b> <b>John Giacona</b> , <i>Consolidated Edison Company</i>
1:45 pm-2:15 pm	<b>Integrated Distribution Management Systems in Alabama</b> <b>Joe Schatz</b> , <i>Southern Company Services, Inc.</i>

## AGENDA (CONTINUED)

2:45 pm-3:15 pm	<b>West Virginia Super Circuit Project</b> <b>Harley Mayfield</b> , <i>Allegheny Power</i>
3:15 pm-3:45 pm	<b>Break</b> <i>Moderator – Keith Dodrill, National Energy Technology Laboratory</i>
3:45 pm-4:15 pm	<b>Dramatic Residential Demand Reduction in the Desert Southwest</b> <b>Yahia Baghzouz</b> , <i>University of Nevada, Las Vegas</i>
4:15 pm-4:45 pm	<b>SCE Fault Locating, Prediction and Protection Project</b> <b>Robert Yinger</b> , <i>Southern California Edison</i>
4:45 pm-5:15 pm	<b>ORNL Presentation: Distributed Energy Communications &amp; Controls, Lab Activities</b> <b>Thomas Rizy</b> , <i>Oak Ridge National Laboratory</i>
5:15 pm-5:45 pm	<b>Smart Grid Maturity Model</b> <b>Austin Montgomery</b> , <i>Carnegie Mellon University Software Engineering Institute</i>
6:00 pm-8:00 pm	<b>Poster Session and Reception</b>

### Wednesday, November 3, 2010

8:00 am	<b>Registration and Continental Breakfast</b> <i>Moderator – Mario Sciulli, National Energy Technology Laboratory</i>
9:00 am-9:30 am	<b>SDG&amp;E Borrego Springs Microgrid</b> <b>Tom Bialek</b> , <i>San Diego Gas and Electric</i>
9:30 am-10:00 am	<b>CERTS Microgrid Demonstration with Large scale Energy Storage &amp; Renewable Generation</b> <b>Craig Gee</b> , <i>Chevron Energy Solutions</i>
10:00 am-10:30 am	<b>Break</b> <i>Moderator – Mario Sciulli, National Energy Technology Laboratory</i>
10:30 am-11:00 am	<b>Texas Microgrids for Colonias and Renewable Microgrid STEM Education</b> <b>Dean Schneider</b> , <i>Texas Center for Applied Technology</i>
11:00 am-11:30 am	<b>LBNL Presentation (CERTS): CERTS Microgrid Test Bed - Renewable Integration Analysis</b> <b>Joe Eto</b> , <i>Lawrence Berkeley National Laboratory</i>

## AGENDA (CONTINUED)

11:30 am-12:00 am	<b>Energy Surety, Microgrids and SPIDERS</b> <b>Michael Hightower</b> , <i>Sandia National Laboratory</i>
12:00 pm-1:00 pm	<b>Lunch</b>  <i>Moderator – Eric Lightner, U.S. Department of Energy</i>
1:15 pm-1:45 pm	<b>Intelligent Power Infrastructure Consortium</b> <b>Deepak Divan</b> , <i>Georgia Institute of Technology</i>
1:45 pm-2:15 pm	<b>Hawaii Sustainable Energy Project</b> <b>Jennifer Stinebaugh</b> , <i>Sandia National Laboratory</i> ; <b>Ben Kroposki</b> , <i>National Renewable Energy Laboratory</i>
2:15 pm-2:45 pm	<b>Marin County Renewables</b> <b>David Cohen</b> , <i>Infotility</i>
2:45 pm-3:15 pm	<b>Break</b>
3:15 pm-3:45 pm	<b>Smart Grid Interconnection and Interoperability Standards</b> <b>Tom Basso</b> , <i>National Renewable Energy Laboratory</i>
3:45 pm-4:15 pm	<b>Cable Diagnostic Focus Initiative</b> <b>Rick Hartlein</b> , <i>NEETRAC/GateWay</i>
4:15 pm-4:45 pm	<b>GridLAB-D</b> <b>David Chassin</b> , <i>Pacific Northwest National Laboratory</i>
4:45 pm-5:15 pm	<b>Smart Grid Integration Lab</b> <b>Wade Troxell</b> , <i>Colorado State University College of Engineering</i>
5:15 pm	<b>Adjourn</b>

### Thursday, November 4, 2010

8:00 am	<b>Continental Breakfast</b>  <i>Moderator – Dan Ton, U.S. Department of Energy</i>
8:30 am – 9:00 am	<b>Smart Charger Technology Development</b> <b>Frank Tuffner</b> , <i>Pacific Northwest National Laboratory</i>
9:00 am-9:30 am	<b>Vehicle to Grid Demonstration</b> <b>Willett Kempton</b> , <i>University of Delaware</i>

## AGENDA (CONTINUED)

9:30 am-10:00 am	<b>Estimating and Mitigating Cascading Failure Risk in Power Systems with Smart Grid Technology</b> <b>Paul Hines</b> , <i>University of Vermont and State Agriculture</i>
10:00 am-10:30 am	<b>GridWise® Architecture</b> <b>Ronald B. Melton</b> , <i>Pacific Northwest National Laboratory</i>
10:30 am-11:00 am	<b>Break</b>
11:00 am-11:30 am	<b>Expanded Demand Response Functionality</b> <b>Robert Pratt and Ram Sastry</b> , <i>Pacific Northwest National Laboratory</i>
11:30 am-12:00 pm	<b>Closing Remarks</b> <b>Merrill Smith, Eric Lightner, and Dan Ton</b> , <i>U.S. Department of Energy</i>
12:00 pm	<b>Adjourn</b>
2:00 pm – 4:00 pm	<b>Optional Tour of the National Renewable Energy Laboratory’s Research Support Facility</b>