



**FirstEnergy**

Renewable and Distributed  
Systems Integration  
Peer Review  
October 29-30, 2008  
*Office of Electricity Delivery and Energy Reliability*

October 29-30, 2008  
Molly Pitcher Inn  
Red Bank, New Jersey

## AGENDA

### Tuesday, October 28, 2008

3:00 pm-5:00 pm Jersey Central Power & Light, a FirstEnergy company, Integrated Distributed Energy Resources Pilot review and tour of the Regional Dispatch Office

### Wednesday, October 29, 2008

7:00 am Registration and Continental Breakfast

8:00 am-8:10 am Welcome  
**Stephen E. Morgan**, *President, Jersey Central Power & Light*

8:10 am-8:20 am Overview of Renewable and Distributed Systems Integration Program  
**Merrill Smith** and **Eric Lightner**, *US Department of Energy*

*Moderator – Mike Knaggs, US DOE-NETL*

8:20 am-10:10 am Update on New Awards

- University of Hawaii, **Terry Surles**
- Allegheny Power, **Harley Mayfield**
- ATK Launch Systems, **Roger Weir**
- Chevron Energy Solutions, **Bruce Dickinson**
- City of Fort Collins, **Mike Freeman**

10:10 am-10:30 am **Break**

*Moderator – Mike Knaggs, US DOE-NETL*

10:30 am-12:00 pm Update on New Awards – continued

- Consolidated Edison Co., **Frank Doherty**
- Illinois Institute of Technology, **Mohammad Shahidehpour**
- San Diego Gas and Electric, **Terry Mohn**
- University of Nevada, **Robert Boehm**

12:00 pm-1:00 pm **Luncheon**

*Moderator – Mario Sciulli, US DOE-NETL*

1:00 pm-1:30 pm SCE Fault Locating, Prediction and Protection Project  
**Robert Yinger**, *Southern California Edison*

1:30 pm-2:00 pm GridLAB-D  
**David Chassin**, *Pacific Northwest National Laboratory*



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## DRAFT AGENDA (CONTINUED)

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|-----------------|---|
| 2:00 pm-2:30 pm | <b>Fault Location Analysis and Prediction</b><br><b>Jinsang Kim, EPRI</b>   |
| 2:30 pm-2:50 pm | <b>Utility Integration of DE</b><br><b>Terry Mohn, San Diego Gas and Electric</b>   |
| 2:50 pm-3:10 pm | <b>Break</b><br><i>Moderator – Steve Bossart, US DOE-NETL</i>   |
| 3:10 pm-3:40 pm | <b>Modern Grid Strategy</b><br><b>Steve Pullins, Horizon Energy Group</b>   |
| 3:40 pm-4:10 pm | <b>Integrated Distribution Management System</b><br><b>Joe Schatz, Southern Company</b>   |
| 4:10 pm-4:40 pm | <b>Cable Diagnostic Focused Initiative</b><br><b>Rick Hartlein, NEETRAC/GateWay</b>   |
| 4:40 pm-5:00 pm | <b>Integrated Control of Power Systems</b><br><b>Ali Feliachi, West Virginia University</b>   |
| 5:00 pm-5:30 pm | <b>GridWise Architecture</b><br><b>Steve Widergren, Pacific Northwest National Laboratory</b>   |
| 5:30 pm-6:00 pm | <b>Interconnection Standards Development and Regional Implementation of IEEE 1547</b><br><b>Dick DeBlasio and Tom Basso, National Renewable Energy Laboratory</b> |
| 6:15 pm-7:30 pm | <b>Reception, sponsored by FirstEnergy</b>  |

### Thursday, October 30, 2008

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| 7:00 am          | <b>Registration and Continental Breakfast</b><br><i>Moderator – Merrill Smith, US DOE</i>                |
| 8:00 am-8:30 am  | <b>MicroGrid Design, Development and Demonstration</b><br><b>Michael Krok, GE Global Research Center</b> |
| 8:30am-9:00 am   | <b>Enhance Business Case for CERTS Microgrid</b><br><b>Bob Lasseter, University of Wisconsin</b>         |
| 9:00 am-9:30 am  | <b>Connecticut Energy Savings</b><br><b>James Redden, Nxegen</b>   |
| 9:30 am-10:00 am | <b>3G System of the Future</b><br><b>Dave Cohen, Infotility</b>  |



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## DRAFT AGENDA (CONTINUED)

10:00 am-10:20 am	<b>Break</b> <i>Moderator – Eric Lightner, US DOE</i>
10:20 am-10:50 am	<b>Marin County Renewables</b> <b>Dave Cohen, Infotility</b>
10:50 am-11:10 am	<b>Vehicle to Grid Demonstration</b> <b>Willett Kempton, University of Delaware</b>
11:10 am-11:35 am	<b>PHEV Impacts on the Distribution System</b> <b>Michael Kintner-Meyer, Pacific Northwest National Laboratory</b>
11:35 am-12:00 pm	<b>PHEV Smart Chargers</b> <b>Michael Kintner-Meyer, Pacific Northwest National Laboratory</b>
12:00 pm-1:00 pm	<b>Lunch</b> <i>Moderator – Mario Sciulli, US DOE-NETL</i>
1:00 pm-1:30 pm	<b>Grid Reliability and Renewable Distributed Energy Research</b> <b>Mushtaq A. Khan, New Mexico Tech</b>
1:30 pm-2:00 pm	<b>Hawaii Sustainable Energy Project</b> <b>Juan Torres, Sandia National Laboratory</b>
2:00 pm-2:30 pm	<b>Hawaii Distributed Energy Resource Technologies for Energy Security</b> <b>Rick Rocheleau, University of Hawaii</b>
2:30 pm-2:50 pm	<b>Break</b> <i>Moderator – Eric Lightner, US DOE</i>
2:50 pm-3:20 pm	<b>GridApps Project Summary</b> <b>Joe Waligorski, FirstEnergy-GridApps Consortium</b>
3:20 pm-3:50 pm	<b>Advanced Integration of Distributed Resources</b> <b>Hawk Asgeirsson, DTE Energy</b>
3:50 pm-4:20 pm	<b>Distributed Energy Resources Customer Adoption Model</b> <b>Chris Marnay, Lawrence Berkeley National Laboratory</b>
4:20 pm-4:50 pm	<b>Distributed Energy Communications and Control Laboratory</b> <b>John Kueck, Oak Ridge National Laboratory</b>
4:50 pm-5:20 pm	<b>Distribution State Estimator</b> <b>Tom McDermott, EnerNex Corp.</b>
5:20 pm	<b>Closing Remarks</b> <b>Merrill Smith and Eric Lightner</b>
5:30 pm	<b>Adjourn</b>