**The 1st DOE Smart Grid Demonstration Project Meeting**

Austin Energy

Assembly Room, Town Lake Center

721 Barton Springs Road, Austin, TX

Hosted by the Center for the Commercialization of Electric Technologies (CCET) and Austin Energy

**Pre-meeting Event: Tour of Facilities (See website – http://e2rg.com/events)**

**Outline of Meeting Agenda**

**Wednesday, January 22** (Presentation instructions and order on following page)

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| 8:00 – 8:30 | Welcome by the Host and DOE |
| 8:30 – 10:00 | Morning Session I - Presentations of DOE SGDP projects (30 minutes/project) |
| 10:00 – 10:20 | Break |
| 10:20 – 11:50 | Morning Session II - Presentations of DOE SGDP projects (30 minutes/project) |
| 12:00 – 1:00 | Lunch (hosted) |
| 1:00 – 2:30 | Afternoon Session I - Presentations of DOE SGDP projects (30 minutes/project) |
| 2:30 – 2:50 | Break |
| 2:50 – 4:20 | Afternoon Session II - Presentations of DOE SGDP and RDSI projects (30 minutes/project) |
| 4:20 – 4:40 | Day 1 Wrap-up |
| 4:40 | Adjourn for Day 1 |
| 5:30 – 7:00 | Networking Reception (hosted) |

**Thursday, January 23**

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| 8:00 – 10:00 | Facilitated discussions: R&D gaps to be addressed in the near term (1-3 years) and longer term (>3 years) |
| 10:00 – 10:20 | Break |
| 10:20 – 11:50 | Facilitated discussions: (continued) R&D gaps to be addressed in the near term (1-3 years) and longer term (>3 years) |
| 12:00 – 1:00 | Lunch (hosted) |
| 1:00 – 2:30 | Facilitated discussions: progress made in addressing R&D gaps identified |
| 2:30 – 3:00 | Break |
| 3:00 – 5:00 | Technology showcase: Battelle's Grid Command™ Distribution (GCD) tool developed as part of the ARRA AEP Ohio gridSMART demonstration project |
| 5:00 | Adjourn Meeting |

**Presentation Topics**:

- progress toward achieving the objectives
- technology advances/best practices
- lessons learned
- R&D challenges remaining
- to support the "Topical Report on Smart Grid R&D Needs/Gaps", if possible cover:
  - For each project
    - describe any underachieving aspects of the project (i.e., where did you expect the smart grid technologies to perform better than they actually did)
    - describe any remaining regulatory or policy challenges
  - For each technology R&D need/gap
    - describe current technology performance and its shortcomings
    - describe desired performance goals of technology that could be made possible through R&D investment
    - describe type of research needed to develop improved technology
    - describe potential impact of improved technology if it attains performance goals
    - describe how a technology emerging from research program would be implemented in the field
    - describe any integration challenges of hardware/software/communications technologies and technical risks
    - identify whether the recommended R&D is a gap or need where a need includes research that could lead to possible improvement in existing performance and a gap includes research that enables functionality that was not previously possible

**Presentation Order:**

| Session | Order | CID | Recipient | Project Title |
|---|---|---|---|---|
| Morning I | 1 | OE0000194 | Center for the Commercialization of Electric Technologies | Discovery Across Texas -- Technology Solutions for Wind Integration in ERCOT |
| Morning I | 2 | OE0000219 | Pecan Street Inc. | Pecan Street Project Energy Internet Demonstration |
| Morning I | 3 | OE0000221 | Kansas City Power & Light Company (KCP&L) | KCP&L Green Impact Zone Smart Grid Demonstration |
| Morning II | 4 | OE0000190 | Battelle Memorial Institute | Pacific Northwest Smart Grid Demonstration Project |
| Morning II | 5 | OE0000199 | Southern California Edison Company | Irvine Smart Grid Demonstration (ISGD) Project |
| Morning II | 6 | OE0000192 | City of Los Angeles - Dept.of Water & Power | LADWP Smart Grid Regional Demonstration Project |
| Afternoon I | 7 | OE0000220 | Long Island Power Authority | LIPA Smart Energy Corridor Project |
| Afternoon I | 8 | OE0000197 | Consolidated Edison Co. of NY | Secure Interoperable Open Smart Grid Demonstration Project |
| Afternoon I | 9 | OE0000293 | NSTAR Electric and Gas Corp. | NSTAR Urban Grid Monitoring and Renewables Integration Demonstration Project |
| Afternoon II | 10 | OE0000320 | Oncor Electric Delivery Co. LLC | Dynamic Line Rating Project |
| Afternoon II | 11 | NT02870 | San Diego Gas & Electric Co. | Borrego Springs MicroGrid |
| Afternoon II | 12 | NT02876 | City of Fort Collins | Peak Load Reduction on Distribution Feeders Using Distributed Energy Resources |