

# **U.S. DOE-Industry Workshop on the Role of Residential AC in Contributing to Fault-Induced Delayed Voltage Recovery (FIDVR)**

**April 22, 2008**

## **Objectives**

1. To increase understanding within the electric utility and air conditioning manufacturing communities of the risk of blackouts that may be associated with the growing market penetration of residential air conditioning;
2. To share recent utility industry experiences that provide the basis for this concern and the efforts that they are currently undertaking to address them;
3. To present technical information on what is known about the underlying electrical phenomena, both from a macro or system level perspective, as well as from a micro or device level perspective;
4. To review and discuss technical options, on both the supply and demand-side, to address these concerns, including their cost, timing, and relative efficacy, toward understanding the appropriate elements needed for a coordinated and balanced response

## **Agenda**

- 8:30 – 8:45     **Welcome/Workshop Objectives** – David Meyer, U.S. Department Of Energy
- Patricia Hoffman, DOE Principal Deputy Assistant Secretary for Electricity Delivery and Energy Reliability
- 8:45 – 10:15   **Recent Utility Experiences with and Responses to Fault-Induced Delayed Voltage Recovery** (Moderator—Joe Eto, Lawrence Berkeley National Laboratory)
- Bob Yinger, Southern California Edison
  - Lee Taylor, Southern Company
  - Baj Agrawal, Arizona Public Service
- 10:15 – 10:30   **Break**
- 10:30 – 12:00   **The Current State of Electric System Studies on the Technical Basis of Fault-Induced Delayed Voltage Recovery** (Moderator: Bob Cummings, NERC)
- Lee Taylor, Southern Company
  - Pouyan Pourbeik, Electric Power Research Institute
  - Dmitry Kosterev, Bonneville Power Administration and Chair, Western Electricity Coordinating Council Load Modeling Task Force
- 12:00 – 1:15    **Lunch**
- 1:15 – 2:45     **Improving Our Understanding of the Dynamic Performance of Residential Air Conditioning Units** (Moderator: Bob Yinger, SCE)
- Richard Bravo, Southern California Edison
  - Jay Jayanth, Emerson Climate Technologies
  - Robert Helt, Trane [Tentative]
- 2:45 - 3:30     **Wrap-up and Next Steps**  
Facilitator: Joe Eto, LBNL; David Meyer to adjourn