

# **U.S. DOE–NERC Workshop on Fault-Induced Delayed Voltage Recovery (FIDVR)**

Hyatt Regency Crystal City, Arlington, VA

29 September 2009

## **Workshop Objectives**

1. To increase understanding within the electric utility and air conditioning manufacturing communities about the risks to electricity reliability associated with fault-induced delayed voltage recovery;
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

## **Workshop Agenda**

- 8:00 – 8:30 **Welcome**
- David Meyer, U.S. Department Of Energy, Office of Electricity Delivery and Energy Reliability
  - David Nevius, North American Electric Reliability Corporation (invited)
- 8:30 – 8:45 **Workshop Overview and Recap of 2008 Workshop**
- Joe Eto, Lawrence Berkeley National Laboratory
- 8:45 – 9:45 **NERC Transmission Issues Subcommittee White Paper – Introduction to FIDVR**
- Eric Mortensen, Chair NERC Transmission Issues Subcommittee
  - Bob Cummings, NERC
- 9:45 – 10:00 Break
- 10:00 – 12:00 **Recent Efforts to Improve Our Understanding of FIDVR**
- Bob Cummings, NERC (moderator)
  - Dmitry Kosterev, Bonneville Power Administration
  - John Undrill, John Undrill, LLC
  - Richard Bravo, Southern California Edison
- 12:00 – 1:00 Lunch

1:00 – 3:00 **Roundtable Discussion of Outstanding Issues and Options for the Path Forward**

- Joe Eto, LBNL (moderator)
- Bob Cummings, NERC
- Bob Snow, Federal Energy Regulatory Commission
- David Till, Tennessee Valley Authority
- Tim Hawkins, Rheem Mfg. Co.

3:00 – 3:15 Break

3:15 – 4:00 **Summary, Discussion, Next Steps, and Wrap Up**

- Joe Eto, LBNL
- Bob Cummings, NERC