

**Integrated Energy Policy Report Committee
And Electricity Committee
Workshop**

Electric Distribution System Issues

*Thursday May 10, 2007 - 9:00 AM to 5:00 PM
Hearing Room A*

AGENDA

9:00 Opening Remarks

California Energy Commission

Chairman Jackalyne Pfannenstiel

Commissioner Jeffrey D. Byron

Commissioner John L. Geesman

Energy Commission Staff

Linda Kelly (Public Interest Energy Research Distribution
Program Manager)

AM Workshop Focus: Distribution System Overview

**9:15 Distribution System Operations and Challenges – Utility
Perspective**

- Pacific Gas & Electric, Luther Dow
- Southern California Edison, Russ Neal
- San Diego Gas and Electric, Tom Bialek

**10:30 San Diego Smart Grid Study Overview: A study focused on the
integration of DER and other technologies in the region of San
Diego**

- John Westerman, Co-author of the report

11:00 Panel Discussion

- California utilities are investing at record levels in old and new distribution systems.
 - What components and designs are being used?
 - Will distribution systems built today support the environmental and sustainable energy goals that California has established?
 - What are the most significant barriers to creating a modern 21st century low carbon energy network?
 - Will AMI capabilities be used to support the distribution system?

11:30 **Public Comments**

****12:00 to 1:00**** *Lunch*

PM Workshop Focus: Technology Innovation

1:00 **Public Interest Energy Research/Distribution Research Program:**

- Linda Kelly/Rachel MacDonald, California Energy Commission Public Interest Energy Research Program

Microgrid Research/Distributed Generation:

- Jose Palomo, California Energy Commission Public Interest Energy Research Program

1:45 **Customer Research:**

- Steven Moss, San Francisco Community Power Electric Co-op

2:15 **US Department of Energy Research:**

- Eric Lightner, United States Department of Energy

2:45 **System Integration-Interoperability for Distribution Automation, Distributed Generation, and AMI/DR:**

- Frances Cleveland, Xanthus Consulting International

3:15 **Distribution Technologies:**

- Mark McGranahan, Electric Power Research Institute

3:45 **Panel Discussion**

- What are the critical technologies that will enable the power delivery system to handle and optimize the use of significant and concentrated penetrations of renewable distributed generation, storage, CHP, demand response and, eventually, PHEVs?
- Beyond reliability, what can we expect from automation?
- What policy and regulatory changes would help provide incentives that will encourage utilities and customers to invest in promising technologies?
- Given the amount of research being done by manufacturing companies, what research should public/government agencies focus on?
- What research should utilities be doing?

4:15 **Public Comments**

4:45 **Commissioners Concluding Comments**