



## 2006 Summer Seminar

### Background Paper

[Advancing the Efficiency of Electricity Utilization: "Prices to Devices"](#) (PDF 1.6MB)

### Summer Seminar Outline

The format of the 2006 Summer Seminar consisted of an opening address, four panels, a concluding address, and general discussion sessions.

Opening Keynote: EPRI CEO Steve Specker opened with the premise that dynamic systems-- two-way communications and smart devices, along with innovative regulation and markets-- will enable networked and intelligent devices to "learn" and adapt to forward prices for very efficient use of electricity.

Panel A: The Future focused on what's possible from the perspective of technology, and what's expected from the perspective of consumers.

Panel B: Utility Perspectives provided the opportunity to hear about what five very different utilities are doing and planning with respect to energy efficiency, and why they are taking action.

Panel C: Electricity Innovation described the uncharted potential in the future from linking millions of energy efficient and smart end-use devices through modern communication networks.

Panel D: Influences of Innovative Regulation and Markets argued the need to pursue energy efficiency with new urgency, transparency, and accountability.

The Concluding Speaker told how Wal-Mart Stores, Inc. is using EPRI-research results –use of daylight instead of electric light—for everyday cost savings.

## 2006 Summer Seminar

In early August, EPRI held its annual Summer Seminar on Advancing Energy Efficiency and End-Use Technologies, sponsored by EPRI's Board of Directors and Advisory Council . One hundred fifty leaders representing utilities, government, regulatory bodies, consumers, environmental groups, suppliers and academia, met for a day and a half in Marina del Rey, California to explore new opportunities in energy efficiency. They heard from 27 speakers, and engaged in extensive dialog, bringing their diverse viewpoints to the discussion.

In light of rising fuel and electricity prices, growing societal focus on climate change, and the National Action Plan for Energy Efficiency roll-out at the previous week's National Association of Regulatory Utility Commissioners (NARUC) meeting in San Francisco, Summer Seminar participants overwhelmingly agreed on the timeliness of the energy efficiency topic. [More...](#)

We invite you to view the presentations below.

DAY ONE	DAY TWO
<p>Welcome - James Rhodes, Institute of Nuclear Power Operations (Retired)</p> <p>Keynote Speaker - Steven R. Specker, Electric Power Research Institute <a href="#">Advancing the Efficiency of Electricity Utilization</a> (PDF 125KB)</p> <p>Panel A: The Future - Chair: Robert Fri, Resources for the Future</p> <p>Technology Perspectives</p> <p>Virginia Williams, Consumer Electronics Association <a href="#">Vision of the Digital Home and Office</a> (PDF 266KB)</p> <p>Robert Berkebile, BNIM Architects <a href="#">The Future of Architecture and Community Building</a> (PDF 7MB)</p> <p>Massoud Amin, University of Minnesota <a href="#">Pivotal Technologies to Enable the Intelligent Infrastructure</a> (PDF 963KB)</p> <p>Consumer Perspectives</p> <p>Glen Lewis, Del Monte Foods <a href="#">An Industrial Consumer's Perspective</a> (PDF 357KB)</p> <p>Glenn Hughes, The New York Times <a href="#">Advancing Energy Efficiency in the New York Times Headquarters Building</a> (PDF 1.5MB)</p> <p>Panel B: Utility Perspectives - Chair: Donald Hintz, Entergy Corporation (Retired)</p> <p>Keynote: James Rogers, Duke Energy The Case for Energy Efficiency</p> <p>Leonard Haynes, Southern Company <a href="#">Energy Efficiency at Southern Company</a> (PDF 104KB)</p> <p>Todd Raba, MidAmerican Energy <a href="#">Energy Efficiency and Customer Satisfaction</a> (PDF 91KB)</p> <p>Alan Fohrer, Southern California Edison <a href="#">Energy Efficiency at Southern California Edison</a> (PDF 329KB)</p> <p>Yves Bamberger, Electricite de France <a href="#">More Efficient Use and More Use Of Electricity</a> (PDF 707KB)</p> <p>Panel C: Electricity Innovation - Chair: Jesse Ausubel, The Rockefeller University <a href="#">Electricity Innovation</a> (PDF 13B)</p> <p>Chris Calwell, Ecos Consulting <a href="#">Energy Consumption of Consumer Devices</a> (PDF 454KB)</p> <p>Michael Howard, Electric Power Research Institute <a href="#">Smart End Use Devices</a> (PDF 191KB)</p> <p>Gerrit Reinders, Johnson Controls</p> <p>Scott Lang, Silver Spring Networks <a href="#">Communication Infrastructure</a> (PDF 205KB)</p> <p>Closing Remarks - James Rohdes</p>	<p>Opening Comments - Jeffrey Sterba, PNM Resources</p> <p>Panel D: Influences of Innovative Regulation and Markets -Chair: Sheryl Carter, Natural Resources Defense Council</p> <p>Keynote: Diane Munns, National Association of Regulatory Utility Commissioners</p> <p>Regulatory Perspective</p> <p>Dian Grueneich, California Public Utilities Commission <a href="#">California's Strategy for Achieving Energy Efficiency and Demand Response</a> (PDF 94KB)</p> <p>Kevin Kelly, Federal Energy Regulatory Commission <a href="#">Assessment of Electric Demand Response and Advanced Metering</a> (PDF 78KB)</p> <p>Ralph Cavanaugh, Natural Resources Defense Council <a href="#">Eliminating the Disincentive</a> (PDF 95KB)</p> <p>Ellen Lapson, Fitch Ratings <a href="#">Response of the Financial Markets</a> (PDF 143KB)</p> <p>Concluding Address - Charles Zimmerman, Wal-Mart Stores <a href="#">Energy Efficiency at Wal-Mart</a> (PDF 2MB)</p> <p>Synthesis and Next Steps - Steven Specker, Electric Power Research Institute</p>