

Target Audiences

- Electric system planners and operators
- Electrical equipment and metering manufacturers
- Communications, control, and information technology providers
- Federal and State agencies
- Consumer groups
- National laboratories
- Universities

Workshop Planning Organizations

- DOE Office of Electricity Delivery and Energy Reliability
- DOE Office of Energy Efficiency and Renewable Energy
- Consortium for Electric Reliability Technology Solutions
- Edison Electric Institute
- EPRI
- AEP's gridSMART Initiative
- Galvin Electricity Initiative
- GridWise Alliance
- GridWise Architecture Council
- IEEE-USA
- International Electrotechnical Commission
- Modern Grid Strategy
- National Institute of Standards and Technology
- National Rural Electric Cooperative Association
- PJM Smart Grid Working Group
- Power Systems Engineering Research Center
- National Laboratories

Who to Contact

For further information, please contact:

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ANNOUNCEMENT

Smart Grid Implementation Workshop

Washington, D.C., June 2008
(Location to be Determined)

Need for the Smart Grid Implementation Workshop

Title XIII of the Energy Independence and Security Act of 2007 calls for DOE to undertake a variety of activities to accelerate the development, demonstration and deployment of smart grid technologies, services and practices nationwide. This can only be accomplished through concerted and coordinated efforts of electric utilities, equipment manufacturers, software developers, services providers, federal and state agencies, national laboratories, universities, consumers and other stakeholders. An important first step is to reach a common understanding of smart grid characteristics the value created for the electric system, consumers, and society, and to jointly define criteria and metrics for evaluating progress toward implementation.



U.S. SMART GRID POLICY SUMMARY
THE ENERGY INDEPENDENCE AND SECURITY ACT OF 2007
TITLE XIII

It is the policy of the United States to support the modernization of the nation's electricity transmission and distribution system to maintain a reliable and secure electricity infrastructure that can meet future demand growth and to achieve each of the following, which together characterize a smart grid:

- Increased use of digital information and control technologies
 - Dynamic optimization of grid operations and resources with full cyber security
 - Integration of distributed resources including renewables
 - Incorporation of demand response, demand-side resources, and energy efficiency
 - Deployment of real-time, automated, interactive technologies for metering, communications, and distribution automation
 - Integration of smart appliances and consumer devices
 - Integration of electricity storage and peak shaving technologies including plug-in electric vehicles and thermal storage air conditioning
 - Provision of timely information and control options to consumers
 - Development of standards for interoperability
 - Lowering of unnecessary barriers to smart grid technologies, practices, and services
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Purpose and Goals of the Workshop

- To convene key stakeholders to reach a common understanding of a smart grid and its characteristics or key defining functions
- To reach stakeholder consensus on the value created through a smart grid and on metrics for evaluating progress
- To provide input to DOE in guiding its implementation of Title XIII of the Energy Independence and Security Act of 2007, specifically on future solicitations for smart grid technology research, development, and demonstration and on the smart grid regional demonstration initiative

Preliminary Agenda

DAY ONE	8:00 am	Welcome and Introduction
	8:30 am	Presentation and Discussion of Smart Grid Benefits and Value to the Electric System, Consumers, and Society
	10:00 am	Presentation and Discussion of Criteria and Metrics for Measuring Progress
	Noon	Working Lunch and Keynote Address
	1:30 pm	Facilitated Breakout Sessions on Smart Grid Benefits and Value to the Electric System, Consumers, and Society
	4:30 pm	Breakout Group Reports
	5:30 pm	Adjourn Day One
	6:00 pm	Reception
DAY TWO	7:30 am	Facilitated Breakout Sessions on Smart Grid Criteria and Metrics for Measuring Progress
	11:00 am	Breakout Group Reports
	Noon	Working Lunch
	12:30	Wrap up and Discussion of Next Steps
	12:30 pm	Adjourn Workshop