

GRIDWISE® ALLIANCE

Advocating for a Smarter Grid

EDTA Conference

January 27, 2010



ALLIANCE STRUCTURE

- Coalition rather than association
- Consensus-based, democratic
- Public interest rather than special interest
- Broad membership, holistic view of grid
- Technology neutral
- Complete projects in work groups



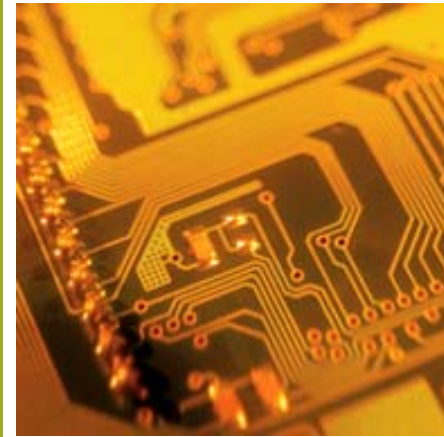
About the
Alliance



SMART GRID

- Smart grid is two-way communications and control from power plant bus bar to meter and load center
- All stakeholders on the grid should have more choices and be able to participate
- Smart grid is the means to an end, not an end unto itself
- Smart grid can look different depending on the goals and needs of the system
- Smart grid enables a more reliable, more flexible, more efficient, more secure, and cleaner electric grid

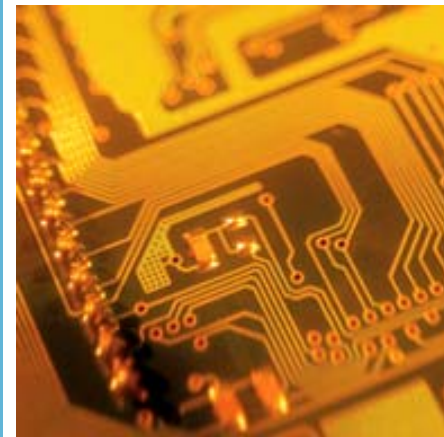
What is Smart Grid?



KEY POLICY MESSAGES

Legislative and Regulatory

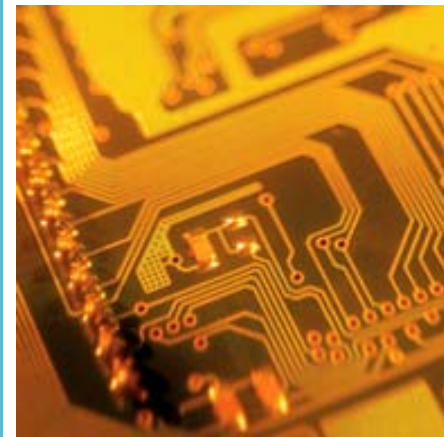
- Ensuring effective spending of stimulus
- Embedding smart grid in all energy legislation
- Including smart grid as enabler in state and federal regulatory policies
- Conveying message of smart grid as a means to an end—not an end unto itself



**Key Policy
Messages**

WAXMAN/MARKEY BILL

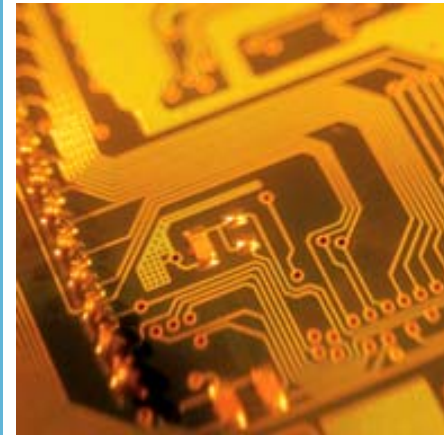
- Distribution line loss reduction counts as energy efficiency
- Smart grid as enabler for electric vehicles
- Peak demand reduction goals
- Smart appliances, energy star
- Clean energy investment fund includes smart grid technologies



**Federal
Policy
Initiatives**

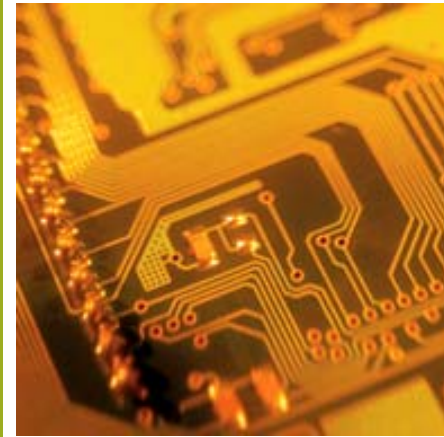
SENATE ENERGY AND CLIMATE BILLS

- Peak Demand Reduction Goal
- Transmission language
- PHEV provision
- Clean Energy Investment Fund
- State allowances in Kerry/Boxer bill



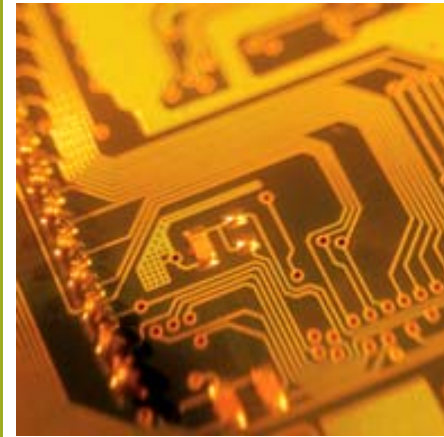
Benefits of Smart Grid: Utility

- Increase energy efficiency
- Reduce carbon emissions
- Enable renewable resources
- Increase reliability
- Balance system
- Improve operational efficiency



Benefits of Smart Grid: Consumer

- Allow consumer choice
- Increase information to consumer
- Reduce cost
- Engage consumer in technology
- Provide environmental value



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Smarter Energy starts with a Smarter Grid
→ What is a Smart Grid?

A Smart Grid will enable a more efficient electricity distribution system.
→ Smart Grid: Energy Efficiency

1 2 3 4 5 6 7 8 9 10

Featured News
→ Politics and policy needed for the smart grid. Soon.

Smart Grid
It is on the news, in the newspapers, on commercials, and a cornerstone of President Obama's energy initiative. It is everywhere.

Alliance Resources
The U.S. Smart Grid Revolution: KEMA's Perspectives for Job Creation

www.gridwise.org

