

GRIDWISE® ALLIANCE

Advocating for a smarter grid

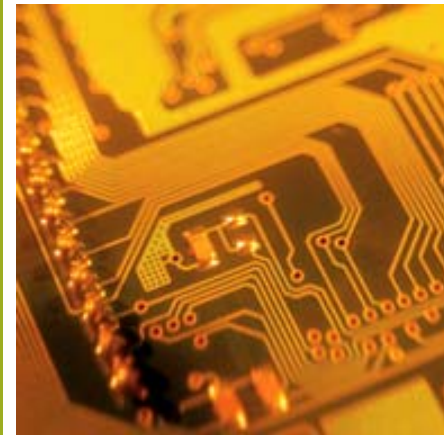
*Women in Government
Energy Summit
September 11, 2009*



THE ALLIANCE

- Formed in September 2003 by group of seven companies (Alstom, IBM, PNNL, PJM, RockPort Capital, Sempra Energy, Utility Automation Integrators)
- **Mission:**
 - To facilitate the effective collaboration among all stakeholders, and to promote, educate, and advocate for the adoption of innovative smart grid solutions that will achieve economic and environmental benefits for customers, communities and shareholders.

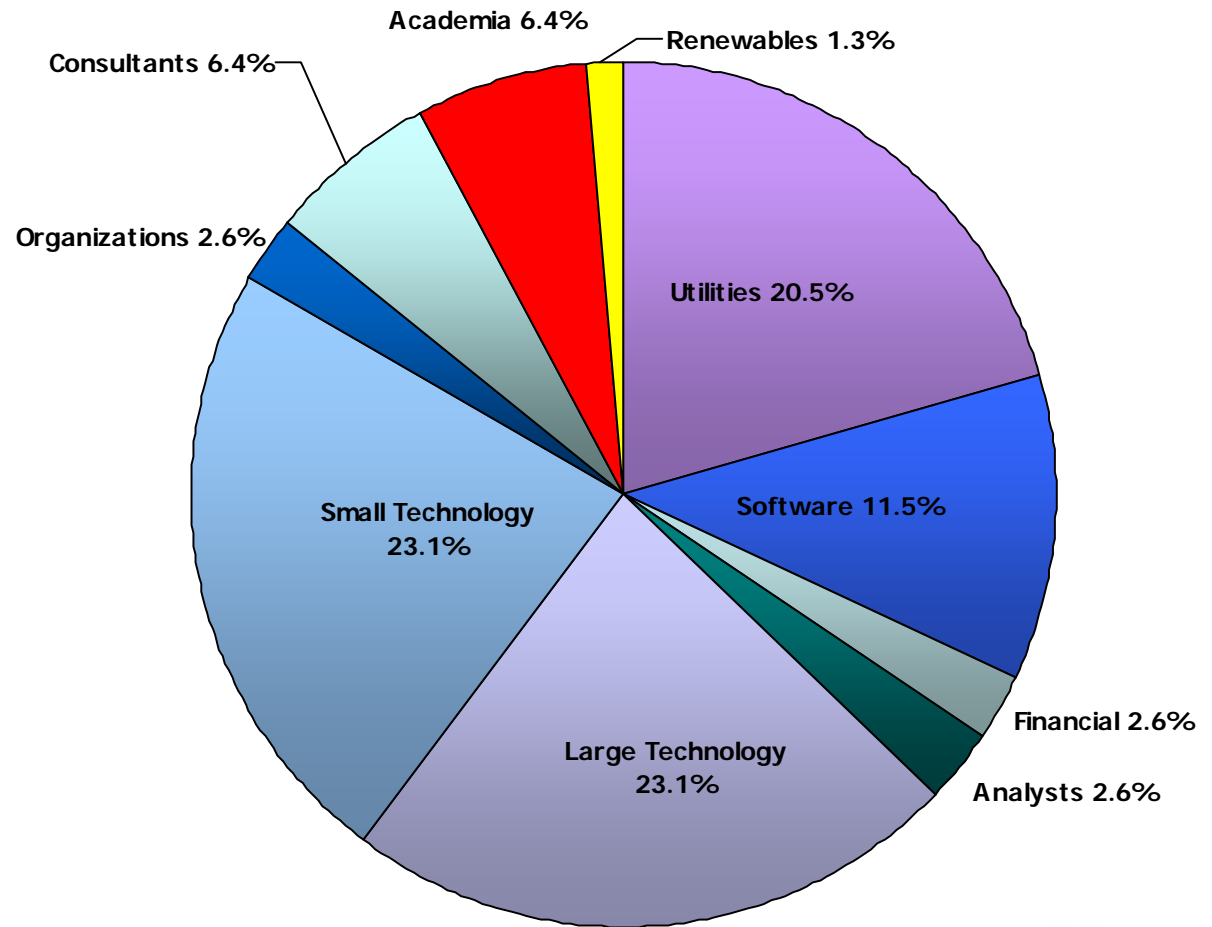
THE ALLIANCE



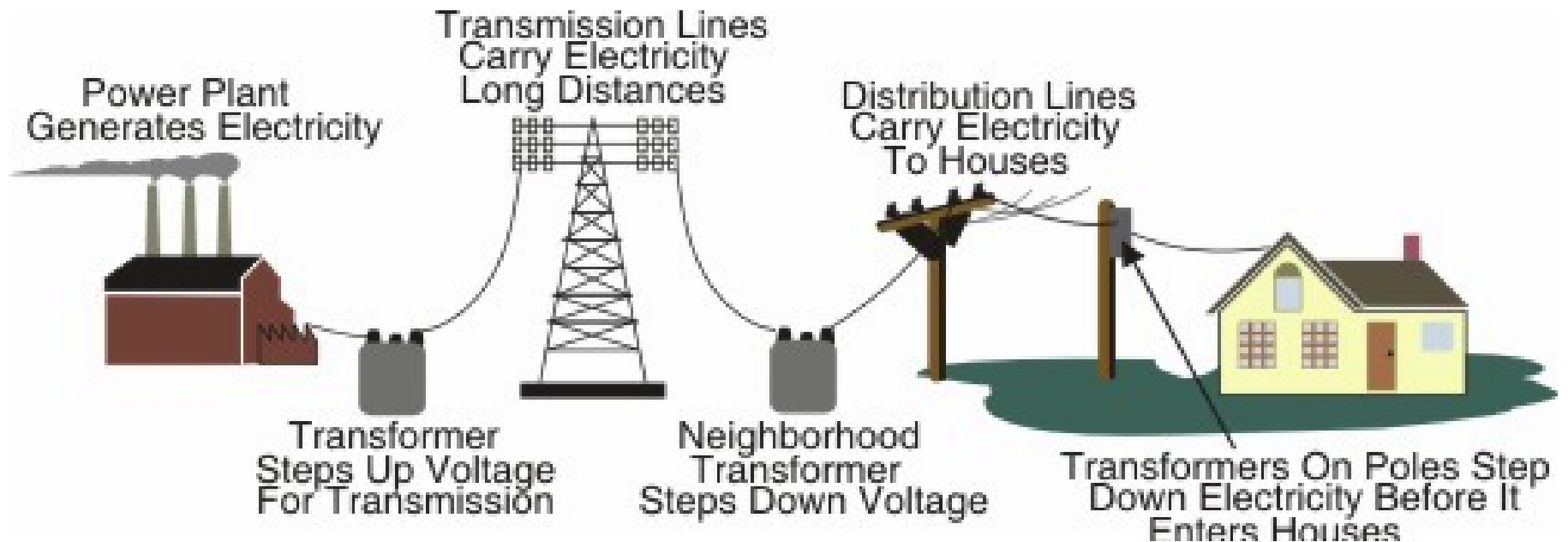
OUR CURRENT MEMBERSHIP

Nearly 100 members represent a broad cross-section of energy and electricity industry stakeholders

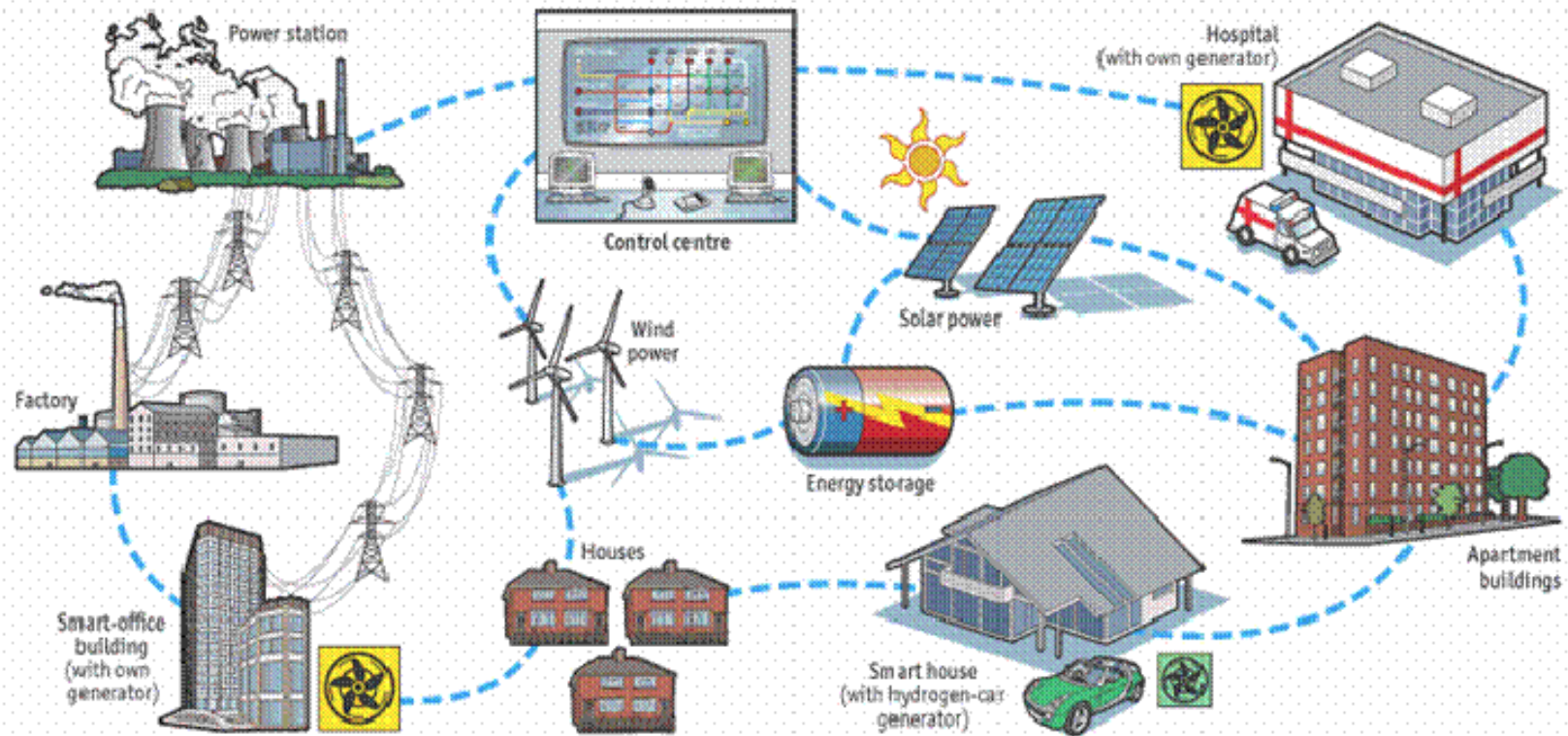
Developed strategic alliances with other groups, both nationally and globally



TODAY'S GRID



TOMORROW'S GRID



Sources: The Economist; ABB

SMART GRID

- Smart grid is two-way communications and control from power plant bus bar to meter and load center
- 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



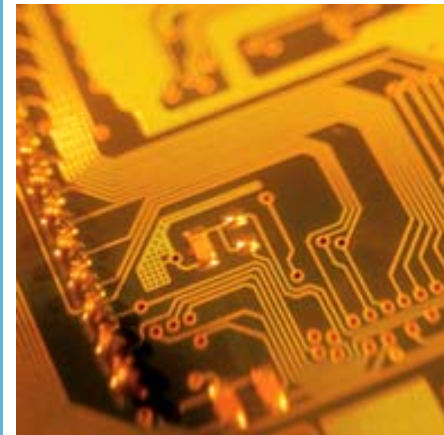
**SMART
GRID**



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

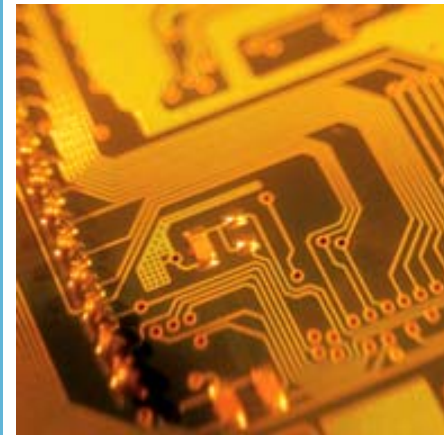


**POLICY
MESSAGES**

KEY POLICY INITIATIVES

Federal Legislation

- Stimulus bill
- Renewable Energy Standard
- Energy Efficiency Resource Standard
- Climate legislation
- Transmission legislation
- Cyber Security legislation
- Workforce Development

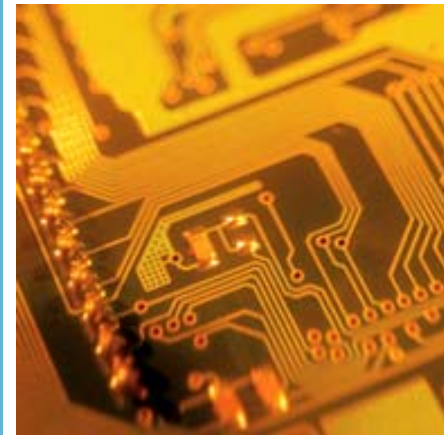


**POLICY
INITIATIVES**

KEY POLICY INITIATIVES

State Activities

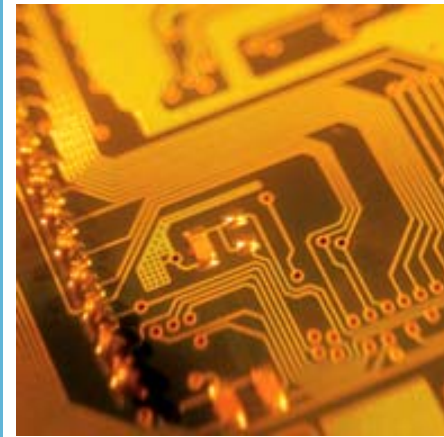
- Track smart grid development
- Seek models for collaboration
- Review and intervene in cases where appropriate
- Develop educational materials for regulators and legislators



**POLICY
INITIATIVES**

SMART GRID STIMULUS FUNDING

- Investment Grants: \$3.375 billion
- Demonstrations: \$615 million
- Transmission planning: \$80 million
- State PUC support: \$50 million
- State grid security support: \$40 million
- Workforce development: \$100 million
- NIST standards: \$10 million

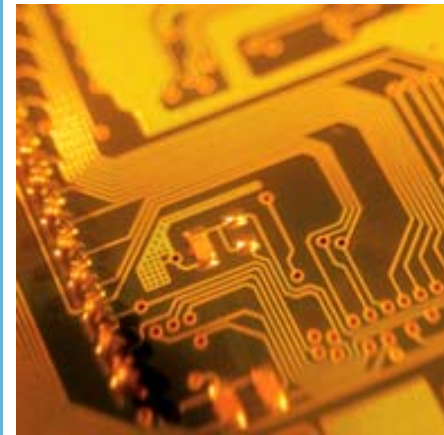


**POLICY
INITIATIVES**

WAXMAN/MARKEY BILL

Smart Grid:

- 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



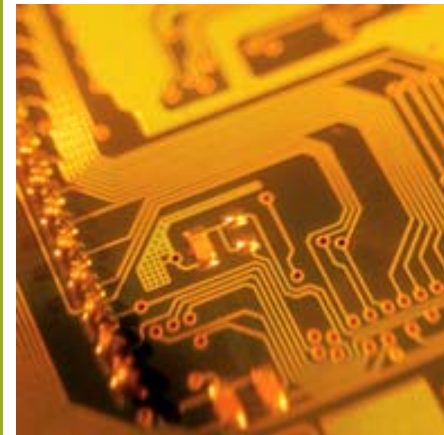
**POLICY
INITIATIVES**

KEY POLICY INITIATIVES

Federal Regulatory

- Responded to FERC smart grid docket, demand response memorandum
- Participate in NIST standards process
- Review other proposals as impacted (NERC, NARUC, NAESB)

POLICY INITIATIVES



www.gridwise.org

