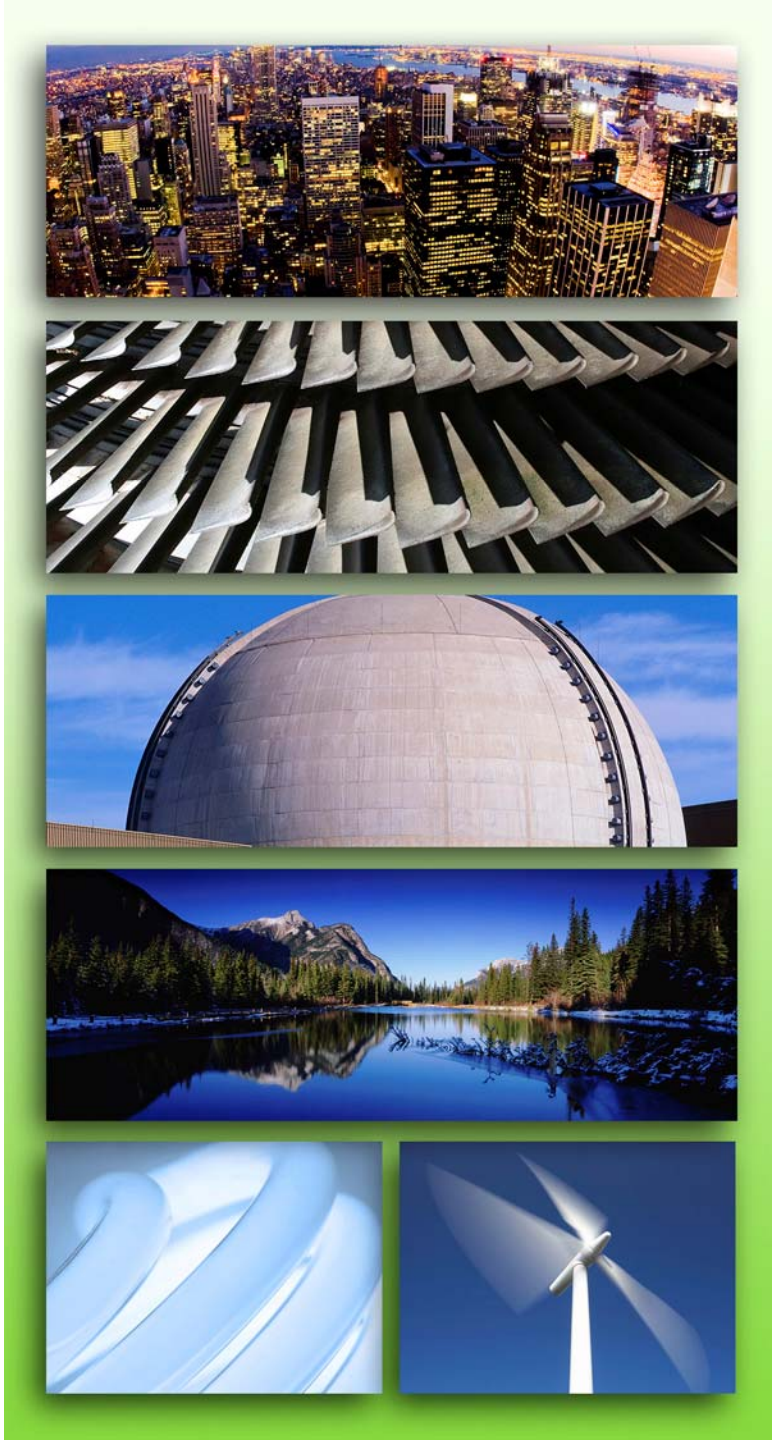

ELECTRIC POWER RESEARCH INSTITUTE

The Smart Grid Information Clearinghouse

EPRI Smart Grid Demonstration Advisory Meeting
2-3-09

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Smart Grid In The News

"To build an economy that can lead this future, we will begin to rebuild America. Yes, we'll put people to work repairing crumbling roads, bridges, and schools by eliminating the backlog of well-planned, worthy and needed infrastructure projects. But we'll also do more to retrofit America for a global economy. That means updating the way we get our electricity by starting to build a new smart grid that will save us money, protect our power sources from blackout or attack, and deliver clean, alternative forms of energy to every corner of our nation. It means expanding broadband lines across America, so that a small business in a rural town can connect and compete with their counterparts anywhere in the world. And it means investing in the science, research, and technology that will lead to new medical breakthroughs, new discoveries, and entire new industries."

Remarks of President-Elect Barack Obama
As Prepared for Delivery
American Recovery and Reinvestment
Thursday, January 8, 2009

Smart Grid In The Stimulus Package

- **The economic stimulus package includes $32 billion for energy, including investments in smart grid, energy efficiency, PHEVs, CCS technology, and renewable energy. Specific provisions are highlighted below:**

- **Reliable, Efficient Electricity Grid: $11 billion for research and development, pilot projects, and federal matching funds for the Smart Grid Investment Program to modernize the electricity grid.**
- **Renewable Energy Loan Guarantees: $8 billion for loans for renewable energy power generation and transmission projects.**
- **Local Government Energy Efficiency Block Grants: $6.9 billion to help state and local governments make investments that make them more energy efficient and reduce carbon emissions.**
- **Energy Efficiency and Renewable Energy Research: $2 billion for energy efficiency and renewable energy research, development, demonstration, and deployment activities. Funds are awarded on a competitive basis to universities, companies, and national laboratories.**
- **Advanced Battery Loans and Grants: $2 billion for Advanced Battery Loan Guarantee and Grants Program to support U.S. advanced vehicle battery/battery systems manufacturers.**
- **Smart Appliances: $300 million to provide consumers with rebates for buying energy efficient Energy Star products.**
- **Electric Transportation: $200 million for a new grant program to encourage electric vehicle technologies.**
- **Industrial Energy Efficiency: $500 million for energy efficient manufacturing demonstration projects.**
- **The bill is accessed at: http://appropriations.house.gov/pdf/RecoveryBill01-15-09.pdf**

Demonstration Task

Now that the task is before us which way do we need to go?

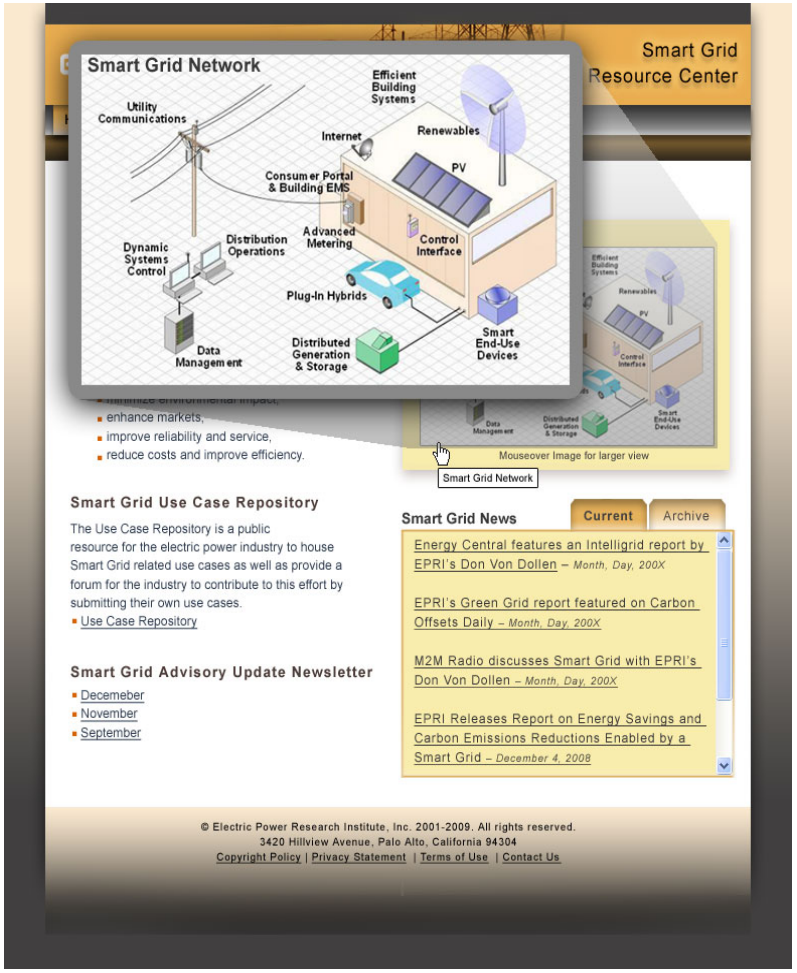
We could all run off and do our own thing our own way or

we could work together to develop the most efficient, effective method.

That's what the demonstration projects are all about.

Smart Grid Information Clearinghouse

- The purpose of this work is to develop, populate, and maintain a Smart Grid Information Clearinghouse website to contain technical and policy information on Smart Grid development and practices.



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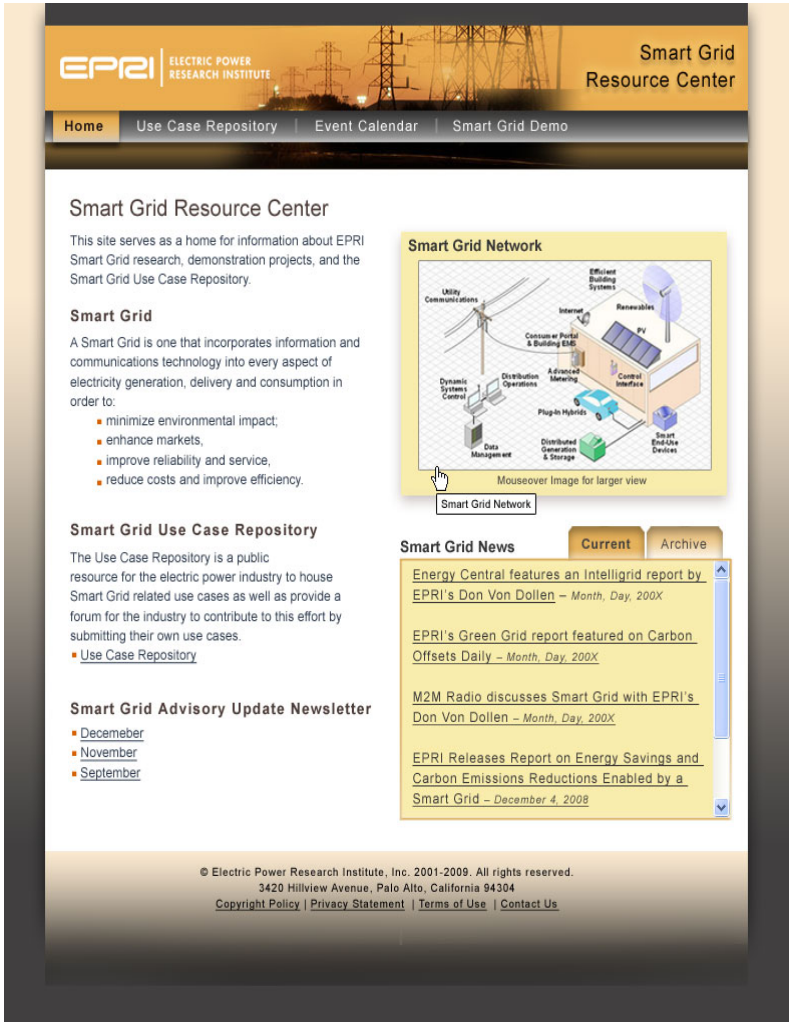
Smart Grid Information Clearinghouse continued…

- The Clearinghouse is envisioned as the first-stop shop for public Smart Grid information that also directs website users to other sources for non-public information, both in the United States and other nations with leading Smart Grid development and implementation.



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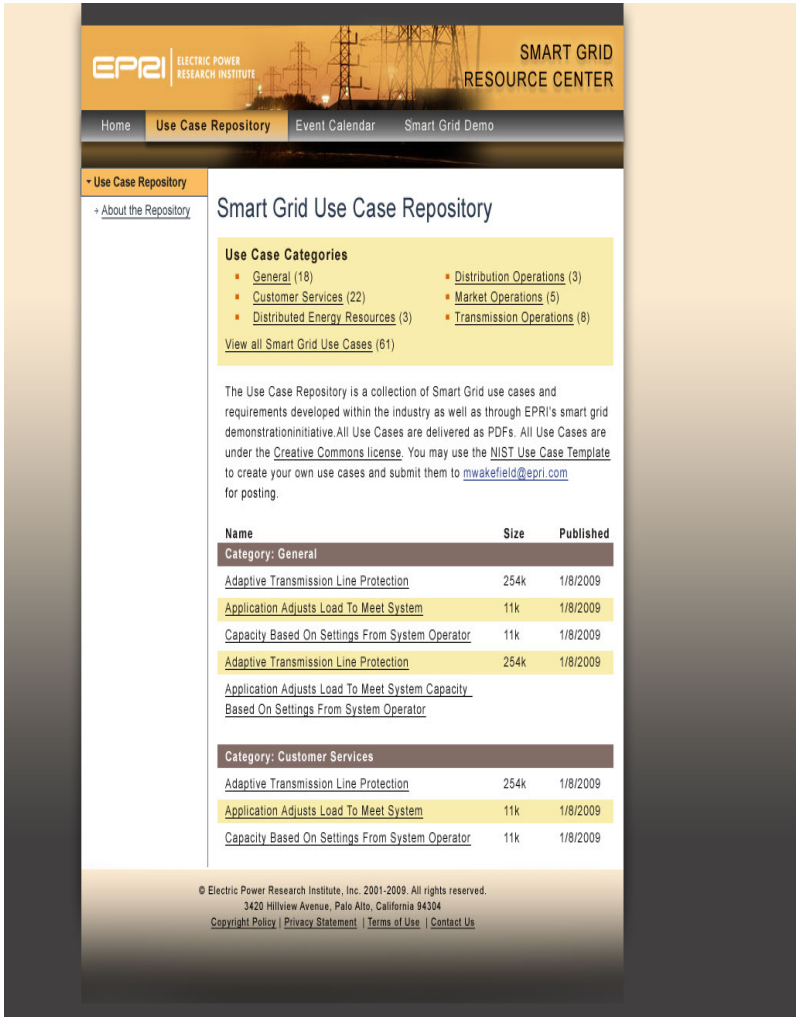
Smart Grid Information Clearinghouse continued…

- Through direct sharing and dissemination of information on knowledge gained, lessons learned, and best practices, the Clearinghouse will serve to promote and facilitate coordination and collaboration in Smart Grid development and practices, and also as a public forum for information outreach to all interested parties including the general public.



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The Website

- We are using the domain www.smartgrid.epri.com. In addition www.smartgrid.epri.com and www.epri.com/smartgrid will both point to the www domain.

Moving Forward

- The website is currently being populated and includes current news and events, a research page, public documents page, links page and a use case repository page.
- The use case repository is our first step in presenting the website to the public as a useful tool.
- To date we have approximately 110 different use cases covering a wide variety of Smart Grid functions.

The Use Case Repository

- Use Case Repository Page will include the Use Case Homepage, Use Case 101 with tutorials to help users understand the use case as a development tool, Use Case Templates to give users an starting point and an idea of what other users are implementing, a definitions page to help us all speak the same language, searchable Use Cases that have been or are being used in systems today and the ability for users to upload use cases (users who would like to upload use cases will first need to register, once registered, they can upload use cases)

EPRI's Invitation…

- EPRI is opening an invitation to submit use cases and articles of interest to the website to ensure the website is a valuable tool for the industry.

Together…Shaping the Future of Electricity