

## Excerpts from the GridWise Architecture Council award announcements

Individuals, businesses advance tomorrow's electricity system

SANTA CLARA, Calif.,—Three individuals and two organizations have been honored by the [GridWise Architecture Council](#) for their achievements in advancing interoperability in the smart electric power system of the future.

Recipients of the 2008 GridWise Applied Awards are Suedeen Kelly, Commissioner, Federal Energy Regulatory Commission; Terry Mohn, technology strategist for Sempra Energy; and Peter Kelly-Detwiler, sustainability vice president, Constellation NewEnergy; the power integration firm Factory IQ; and the University of New Mexico.

The awards of recognition and appreciation were presented during Connectivity Week in Santa Clara, Calif. "Nowhere is the progress that has been made toward the GridWise vision for Interoperability more evident than in the breadth of individuals and organizations that were eligible for GridWise Applied Awards,"

[University of New Mexico](#)'s GridWise demonstration is integrating the UNM campus electric supply and demand resources with the area power system. This includes managing building thermal storage and energy efficient designs such as harvesting daylight for efficient uses in their new architecture building. UNM is applying interoperability principles, including distributed control approaches in the project. This work is simplifying the integration and optimal operation of the campus's demand and generation resources.

The GWAC consists of practitioners and leaders with broad-based knowledge and expertise in power, information technology, telecommunications, financial systems and other fields who are working together toward a coordinated GridWise vision—the transformation of the nation's energy system into a rich, collaborative network filled with decision-making information exchange and market-based opportunities.



Gridwise Announces the New Mexico

## Demand Response & Gridwise Leadership

New Mexico's "EI" Energy Intelligence Project is the first of its' type in the US. It will leverage building automation, smart metering, renewable entry and on-site generation, already in place at the University of New Mexico (UNM), and will allow UNM to participate with the Public Service Company of New Mexico (PNM) in maintaining reliable electric supply in the face of growing demand. This "EI" Project will integrate UNM's energy systems with Information Technology (IT) and Web Services to demonstrate Energy Intelligence or IT-based "interoperability". Interoperability, in the vision of the GridWise Architecture Council, will make it possible for utilities like PNM to use high tech solutions to change the consumer electric consumption patterns or, when, electric use occurs.

In the next 20 years,  
**electricity use will increase** by 40% & U.S. will spend **\$450B** on electric infrastructure, **just to meet demand.**

In this way electric users like UNM will be able to save energy cost and to help utilities prevent power interruptions. With this New Mexico "EI" project, the smart electric grid will meet smart buildings at UNM to demonstrate a GridWise Future. GridWise was created by the U.S. Department of Energy the goal of improving the reliability and efficiency of the national electric grid. GridWise is built on the premise that will revolutionize planning and operation of the power grid just as it has changed business, education and entertainment.



The University of New Mexico

### "EI" Partners

