

EnergyConnect Announces Collaborative Agreement with Constellation NewEnergy

The collaboration between Constellation NewEnergy and EnergyConnect will integrate electricity market price information, facility electricity usage, and intelligent decision support tools to allow commercial and industrial facilities to participate in demand response. These commercial and industrial customers will benefit by receiving much needed data to better manage energy spending in high-priced and volatile electricity markets.

Constellation NewEnergy is a wholly owned subsidiary of Constellation Energy, the nation's largest competitive supplier of electricity and natural gas to large commercial and industrial customers. According to Clem Palevich, who is leading Constellation Energy's recently announced Sustainable Energy Solutions Group: "Managing energy usage and price is a strategic opportunity that is important to every aspect of a business."

Constellation Energy has developed the tools and expertise to integrate a customer's energy demand and supply into a comprehensive program that helps manage market volatility and maintain budget certainty. This capability is vital for companies working in the building automation space, according to Palevich. He adds: "The partnership with EnergyConnect will put more intelligence into the hands of executives charged with designing and implementing proactive strategies."

Steve Schaefer of EnergyConnect notes: "We are committed to providing our customers with the tools they need to create more energy efficient and price responsive buildings. Partnering with Constellation NewEnergy will bring the supply side of the energy spectrum into focus. In turn, this enhances our existing portfolio of energy automation solutions and positions our customers to more efficiently harness and shape internal energy load in response to changes in the energy marketplace, including real-time pricing and day-ahead pricing."



Based in Baltimore, Constellation New Energy serves:

- 19,000 commercial, industrial and institutional customers
- 31 states and 3 provinces in Canada
- 14,000 megawatts of peak load
- 354 billion cubic feet of natural gas consumption per year.

Keys on Constellation NewEnergy's parent company, Constellation Energy, include:

- Largest competitive supplier of electricity to large commercial and industrial customers
- Largest wholesale power seller
- Owner of a diversified fleet of 78 generating units throughout the U.S. with a capacity of 8,700 megawatts
- Delivers electricity and natural gas through Baltimore Gas and Electric, its regulated utility.

EnergyConnect is a leading provider of Energy Automation services to reduce costs and increase revenues for managers of commercial and industrial facilities. More than just demand response, EnergyConnect's Energy Automation solutions proactively engage energy market participants, Independent System Operators, Regional Transmission Organizations and Electric Utilities. Contact your EnergyConnect account representative to learn more.

Facts Connect

Region	Peak Day Ahead Wholesale Electricity Prices (\$/MWh)		
	Sept	Aug	July
Mid Atlantic	\$144	\$289	\$209
Metro Chicago	\$94	\$161	\$142

Demand-Side Resources Compare Favorably in New England

A recent study examined the reliability, economic and environmental impacts of pursuing a range of resource scenarios to meet electricity needs for New England. The study was commissioned by the power grid manager known as the Independent System Operator New England or ISONE. According to the August 7, 2007 press release, one of the findings was that "demand-side resources appear to provide capacity and energy to the system at relatively low capital costs and with low emission rates relative to other resources."



The study was commissioned to help policymakers and electric industry officials in their decisions to fulfill future needs for electric energy in the region. The study was conducted with input from over 100 people to better understand the drivers for electricity costs, fuel diversity, and environmental impacts. The study evaluated seven basic scenarios involving different mixes of supply-side and demand-side resources.

It was assumed that 5,400 megawatts (MW) of new additional capacity would be needed by 2020 to 2025 from a base of 31,000 MW in 2007. The scenarios concentrated on specific technologies including nuclear, coal, natural gas, imported hydropower, renewables and demand-side resources. The demand-side resources considered energy efficiency to reduce overall electricity use and demand response to reduce and shift peak demands.



A key theme from the scenarios analysis was the importance of demand-side resources in meeting capacity needs and mitigating environmental impacts, particularly carbon emissions. Other themes included:

- New England likely will continue to depend heavily on natural-gas fired electricity generation because it accounts for 40% of current capacity.
- Fossil fuel prices drive the region's energy mix, electricity prices and emissions. For example, higher costs for natural gas mean higher electric prices and more use of coal resulting in more emissions.
- Gas-fired power plants tend to be among the last plants dispatched and thereby set the wholesale electricity price for about 90% of the time.
- New England likely will face significant challenges in meeting goals for greenhouse gas allowances.
- Transmission improvements will likely be needed, especially to serve renewable energy resources. Demand-side resources mitigate transmission requirements.

Demand-side resources were estimated to save \$100 million to \$325 million in distribution investments for the region.

To learn more, navigate to www.iso-ne.com and search for the "New England Electricity Scenario Analysis."

Want more info? Visit us at
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