

DEMAND RESPONSE SERVICES

www.energyctrl.com

Energy Control Inc. (ECI) encourages the smart use of energy and Demand Response (DR) technology, and is a leader in initiating their use in New Mexico. ECI CEO, Jack McGowan serves as chairman emeritus of the Department of Energy's GridWise Architecture Council since 2007. The Council's goals have been to bring national attention to the Smart Grid and the efficient use of electricity to produce a reliable grid enterprise to support growing demand.



Electric demand in the United States is projected to increase 40% in less than twenty years. Demand Response will play an increasingly important role in sustainability goals by curbing energy consumption at critical times to help meet electric demand. Intelligent buildings are at the epicenter of achieving effective DR through Building Automation. Automated buildings allow customers to reduce electric demand and get paid for doing so. ECI brings integrated building automation and smart energy-efficient equipment together to enhance building operation and lower a facility's signature on the electric grid.

KEY TECHNOLOGIES:

- web-based building systems integration
- performance contracting
- heating, ventilation, and air conditioning
- renewable energy resources
- lighting retrofits
- Enterprise Energy Management & Business Intelligence ^ebiz
- Direct Digital Control
- IP networking solutions

SUCSESSES:



Solar panels have been placed on the roof of the Mechanical Engineering building to provide the University with a clean, renewable energy source. This internal source of energy also helps lower UNM's utility costs.

THE UNIVERSITY OF NEW MEXICO

At the University of New Mexico, ECI assisted in acquiring a \$600,000 grant from the Dept. of Energy for an Energy and Demand Response project at UNM's main campus. This design/build project uses renewable energy, automation, web service and energy storage technology — the storing of energy during low demand/low cost hours to furnish power during high demand/high cost hours and help cut energy waste.

ECI has custom-designed graphics and software to allow UNM to review and manage energy. This project will serve as a model to further technology for future smart-grid facilities.



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Using technology to improve the use of energy and create a better environment