



## **Green Mountain Power Adopts Innovative Energy Efficiency Measures Partnership With Local Firm Leads to Lower Energy Costs, Greener Operations**

COLCHESTER, VT -- (MARKET WIRE) -- 01/21/2011 -- Using an innovative approach, Green Mountain Power has been able to cut electricity costs by 16.5 percent at its Colchester facility over the past year and a half -- saving energy and ultimately saving customers money. GMP worked with Shelburne-based Kilowatt Technologies on the project.

According to Rebecca Towne, Administration Manager, most of the savings resulted from fine-tuning and synchronizing the building's existing heating, ventilation and air conditioning (HVAC) system. No new capital investment was required.

"When we started working with Kilowatt Technologies, we already had extremely efficient heating and cooling equipment in place. However, electricity use -- especially in the Information Technology data room -- continued to increase," said Towne. "Kilowatt Technologies helped us make better use of the building automation system that regulates temperature and airflow, and identified other opportunities for significant energy savings."

"Reducing power use in our IT room is crucial as we have continually increasing IT needs," Towne said. "It's one way we can promote Green IT concepts, and use our equipment as efficiently as possible."

Some examples of the changes implemented included using long term data trending to develop sophisticated control algorithms that take advantage of the building's energy momentum to simply relocating thermostats in the IT room away from the hot exhaust at the back of the servers. The company also increased use of a fan that pulls in outside air to help keep the equipment cool.

Changes have also been made in GMP's 1,320 square foot control room. "We haven't run the compressors that operate the heating and cooling system in over two months," said Pete Sheil, Building Services Worker. "We're keeping the space at a comfortable temperature just by using fans to mix cold outside air with the heat produced by the computers and the staff. An additional benefit of this new approach is that we're continually bringing more fresh air into the building, which contributes to employee comfort, alertness and productivity, especially in closed areas such as conference rooms."

Gregory Johnson, VP of Business Development at Kilowatt Technologies, said, "Including their reduction in natural gas use, our data driven energy management program has helped Green Mountain Power reduce overall energy consumption by 20.5 percent at its Colchester headquarters. We applaud Green Mountain Power's leadership in achieving these significant energy and greenhouse gas emissions reductions and saving its customers money. We're starting to work with Green Mountain Power at its Montpelier facility and expect to see even more significant reductions. We encourage other Vermont companies to undertake similar efforts."

Electricity savings in Colchester to date have exceeded 140,000 kilowatt hours or enough to power 19 average size Vermont homes for a year. "This is part of Green Mountain Power's on-going commitment to energy conservation," said Towne. "It's an approach that saves money for our customers and benefits the environment."

### **About Green Mountain Power**

Green Mountain Power ([www.greenmountainpower.com](http://www.greenmountainpower.com)) generates, transmits, distributes and sells electricity in the State of Vermont. It serves more than 175,000 people and businesses.