

NorthWrite Case Study Albany Molecular Research, Inc.



About NYSERDA

NYSERDA, a public benefit corporation, offers objective information and analysis, innovative programs, technical expertise and funding to help New Yorkers increase energy efficiency, save money, use renewable energy, and reduce their reliance on fossil fuels. NYSERDA professionals work to protect our environment and create clean-energy jobs. NYSERDA has been developing partnerships to advance innovative energy solutions in New York since 1975.

About NorthWrite

Established in 2000, NorthWrite – The WorkSite Company is an industry leader in web-based energy monitoring and analysis. NorthWrite’s award-winning products are installed nationwide for demand side management, energy conservation and load profiling, tenant billing, submetering and energy modeling across the spectrum of commercial, industrial, institutional, and governmental facilities. The Worksite solution includes integrated communications and program management tools that seamlessly connect all stakeholders to ensure your energy program meets its savings and sustainability objectives.

Executive Summary

Background

NorthWrite was awarded this NYSERDA-funded project to bring about cost-effective energy savings to small- and mid-sized commercial buildings. NorthWrite delivered an integrated, real-time energy information management solution that involves tracking whole-building electric use in commercial buildings throughout New York State. Albany Molecular Research, Inc. (AMRI), a 72,000 ft² office/pharmaceutical research laboratory building in Albany, NY, participated in the NorthWrite program and achieved over 15% sustained energy savings through implementation of recommended low and no-cost Energy Conservation Measures (ECMs), incorporation of software tools into building operator’s daily routine and sharing of energy performance to invoke and sustain behavior change of building occupants.

Objective

The technology and processes, called **NorthWrite Monitoring-Based Commissioning (MBCx)**, deploys a low-cost, intelligent, energy information management infrastructure to enable any commercial building to rapidly realize energy savings through primarily no- and low-cost ECMs. With NorthWrite MBCx, the objective is to quickly baseline the facility, find real energy savings opportunities and help you understand the steps to lower energy costs now and keep those savings in the long term.



NorthWrite – The WorkSite Company

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Small Changes Big Results

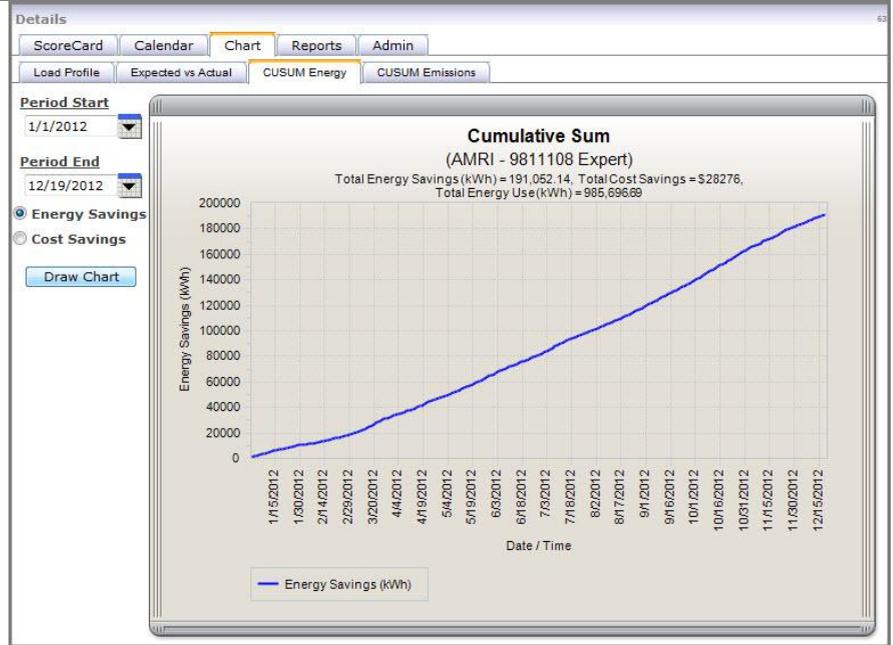
For Albany Molecular Research, Inc., significant savings were realized through adjustments and changes to operations. The following is a sampling of the implemented measures that add up to big savings:

- Thirty percent reduction of outside air into conditioned space with no impact to comfort levels.
- HVAC schedule adjustment
- Adjust HVAC controls to desired set points
- Installation of energy “Kiosk” in lobby that displays building energy performance



NorthWrite’s Energy Expert Scorecard is delivered on a user-selected schedule, allowing for continuous energy performance monitoring.

NorthWrite’s MBCx service includes the Energy Expert tool which was co-developed with the U.S. Department of Energy and Pacific Northwest National Laboratory. This sophisticated software creates a model of how your building uses energy and identifies anomalies in energy consumption.



NorthWrite’s Energy Expert CUSUM Chart reports 2012 cumulative savings of over \$28,000.

To learn more about NorthWrite MBCx, please visit <http://www.northwrite.com>.