

Northeast Business Leaders for Energy Efficiency

The Hotchkiss School



Connecticut
Light & Power

The Northeast Utilities System



www.CTSavesEnergy.org

The Hotchkiss School is an independent boarding school located in Lakeville, Connecticut. Founded in 1891, the school educates nearly 600 students in grades 9 through 12, and a small number of postgraduates.

The Hotchkiss School aims through its mission to instill in its graduates a commitment to “environmental stewardship [and a] greater understanding of their responsibilities in a global society.” To achieve that mission, the school focuses part of its campus master planning process on energy efficiency and the life cycle cost analysis of the school’s energy systems. The school is also committed to pursuing “green” construction projects that qualify for Leadership in Energy and Environmental Design (LEED) certification. Furthermore, the school has implemented an energy management program focused on an energy monitoring and tracking system that prioritizes the energy-saving projects on the campus. All energy planning on campus now includes analysis of the emissions impact and resulting carbon footprint of the school buildings.

One particularly unique example of the Hotchkiss commitment to saving energy through its partnership with Connecticut Light & Power (CL&P) is the renovation of the school’s Field House. The facility is in excess of 1.25 million cubic feet. It can seat 1,250 people and is used by students on a daily basis for sports, standardized testing of large groups, special functions and large community events.

With advice from an engineering consultant and with reimbursement funds from CL&P, the Hotchkiss School was able to install cutting edge variable speed drive systems and CO₂ sensing technologies into the Field House to regulate proper air flow to occupants. As a result, energy levels needed to operate air fans now vary based on occupancy level, leading to lower usage levels and lower costs.

The Hotchkiss School has been recognized for its leadership in environmental stewardship by being asked to present on the topic of “Campus Environmental Stewardship – Conserving World Resources, Educating and Saving Dollars” at the National Association of Independent School Annual Conference in March 2004.

The Energy Efficiency Advantage

Total Annual Energy Savings	2,320,208 kWh
Total Annual Cost Savings	\$280,000
Total Customer Investment	\$1,020,500
Public Rate Payer Funded Efficiency Program Investment	50%
Customer Payback Period	3.6 years

The Hotchkiss School was honored as a Business Leader for Energy Efficiency by Northeast Energy Efficiency Partnerships (NEEP) at the 2007 Northeast Energy Efficiency Summit. For more information, please visit www.neep.org/conference/2007/index.html.



NEEP is a regional non-profit organization whose mission is to promote energy efficiency in homes, buildings and industry in the Northeast U.S.

NEEP coordinates programs and policies that increase the use of energy efficient products, services and practices, and that help achieve a cleaner environment and a more reliable and affordable energy system.

Northeast Energy Efficiency Partnerships | 5 Militia Drive, Lexington, MA 02421 | www.neep.org