

Contract Details

Contract Type:

Energy Savings Performance Contract;
Campus-Wide Energy Awareness
Program

Facility:

1,237,492 square feet
50 buildings

Energy Savings:

\$598,835 annually

Energy Project Size:

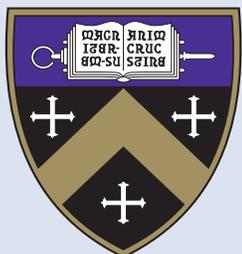
\$7,440,635

Environmental Benefits

10,785 metric tons of CO₂ per year
2,300 acres of trees planted
2,115 cars removed from the road
935 households powered for one year

Summary

Kenyon partnered with Ameresco on an Energy Savings Performance Contract (ESPC) to continue the path towards an energy conscious community. The inclusive campus-wide ESPC included substantial energy conservation measures, as well as a unique energy educational tool. Through an energy reduction program with Ameresco, Kenyon has improved infrastructure while preserving a beautiful campus, reduced energy consumption, as well as waste, and implemented a campus-wide energy educational program.



Kenyon's Athletic Center (KAC) was one of the facilities removed from the central steam distribution system, allowing for the plant to shut-down during the non-heating season.

Customer Benefits

Kenyon has always responded to the latest requirements and adopted new technologies. From the science quad to the athletic center, facilities are state-of-the-art, and they're architecturally stunning. Century-old stone and sleek contemporary glass harmonize on a campus that many feel is one of the nation's most beautiful.

Ameresco was tasked with providing a comprehensive energy reduction program that would not only reduce utility consumption, but would do so while maintaining the aesthetics, traditions, and sense of community present on Kenyon's campus. This was accomplished by addressing Kenyon's cumbersome master-metered utilities and identifying how the central plants and individual buildings truly operated. The latest in green technology was paired with new control sequences and methodologies were used to achieve reduction goals.

Accolade

"The College continues to aggressively manage its resources to be able to provide the highest quality educational program. Through the ESPC with Ameresco, Kenyon is positioned to actively manage its energy and water consumption well into the future and focus resources on its core mission."

-Mark Kohlman

Chief Business Officer, Kenyon College

Kenyon KEY

Kenyon collaborated with Ameresco to create an interactive sustainability initiative for use as an educational tool for all users. KEY (Kenyon. Energy. You) is a custom energy-usage program that consists of a dashboard, website, and mobile application to deliver the brand, data, content and behavior targets specific to Kenyon College.

Web-based technology simultaneously creates a website accessible from any computer. This dashboard serves as a constant connect to the energy conservation program. The corresponding mobile application creates a very social connection with each individual on campus while developing a collective community of sustainability at Kenyon. The KEY program is transferred directly to students through their pockets, the idea being that just carrying it with them on their phones makes them innately aware and more involved.

A network of branded interactive kiosks and digital signage have been positioned on campus to promote positive energy conservation behavior. The mobility of the kiosks and the technology allows the staff to move the kiosks around to introduce, enforce, and remind the campus community of the campaign. Kiosks may also be transported and utilized in trade shows, lectures and area outreach programs to reach a broader audience.

The behavior-based educational incentive program allows individuals to elevate their energy IQ and log activities that demonstrate a personal positive change. Discover more at www.kenyonkey.com.

About Kenyon College

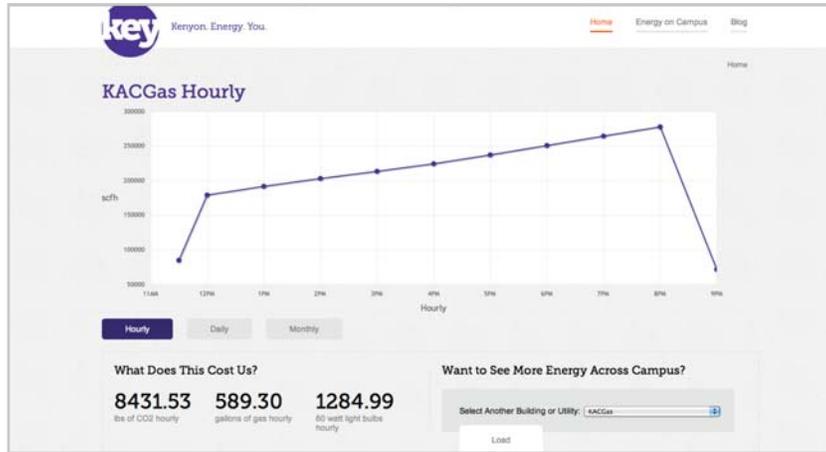
Kenyon is one of the nation's finest liberal arts colleges, a small school where academic excellence goes hand in hand with a strong sense of community. Kenyon brings together 1,600 young men and women to study with nearly 200 professors on an exceptionally beautiful 1,000-acre campus located in Gambier, Ohio, 45 miles from the state's capital, Columbus.

Learn more at www.kenyon.edu

About Ameresco

Ameresco, Inc. (NYSE:AMRC) is one of the leading energy efficiency and renewable energy services providers. Our energy experts deliver long-term customer value, environmental stewardship, and sustainability through energy efficiency services, alternative energy, supply management, and innovative facility renewal all with practical financial solutions. Ameresco and its predecessors have constructed billions in projects throughout North America.

For more information about Ameresco and our full-range of energy efficiency and renewable energy solutions, please visit www.ameresco.com.



The Kenyon KEY (Kenyon. Energy. You) real-time data dashboard displays campus energy usage data via interactive gauges, charts, and maps. The dashboard is a large component of the energy educational program implemented at Kenyon College.

Services Provided

The comprehensive ESPC consisted of unique energy conservation measures which continue to lower energy costs, reduce Kenyon's carbon footprint, and increase awareness of energy usage. Energy efficiency measures included a lighting retrofit with LED technology, installation of high-efficiency boilers, wireless HVAC control in dormitories, campus-wide building automation system upgrade, localized well-water for boiler make-up, water conservation, and a campus-wide steam trap replacement/renovation.

Additionally, Ameresco decentralized the central steam plant to enable summer shut down. During the cooling season, the central steam plant is shut down, which requires the existing summer loads to be converted to natural gas-fired equipment. This helps reduce the amount of water and energy usage during the summer months. New electric, natural gas, and steam sub-meters were installed in all major facilities. The sub-meters have allowed Kenyon to separately monitor usage on a continuous basis and provide more accurate utility tracking and reporting to deliver data for Kenyon's interactive behavior training program.



Mobile kiosks, part of Kenyon KEY, re-enforces and reminds students and staff of energy-usage awareness program.



Energy conservation measures at Peirce Hall, one of Kenyon's most recognizable landmarks, included a lighting retrofit and new high-efficiency boilers.