

Contract Details

Contract Type:

Energy Savings Performance Contract

Facility Size:

5 buildings

387,586 sq. feet

Annual Energy Savings:

\$61,538

Energy Project Size:

\$1,091,779



Ameresco identified over a million dollars of energy efficiency and operational improvements for the District.

Summary

In 2012, Ovid-Elsie Area Schools partnered with Ameresco to design and implement an Energy Savings Performance Contract. Ameresco implemented energy efficiency and infrastructure improvement measures at five school facilities. Measures included building envelope upgrades, a District-wide lighting retrofit, energy management system upgrades, water conservation measures, and a new ceiling grid at the Middle School.

Customer Benefits

Ameresco identified and implemented over a million dollars of energy efficiency and operational improvements for the Ovid-Elsie Area Schools (OEAS) through an Energy Savings Performance Contract (ESPC). The nearly \$1.1 million ESPC is expected to save the Schools \$61,538 annually in energy savings and includes facility improvements at all five of the Schools' facilities.

Like many districts across North America, OEAS was facing many challenges, including aging infrastructure, deferred maintenance, rising utility costs, and continuously shrinking budgets. OEAS partnered with Ameresco to implement an ESPC that would reduce their energy cost and upgrade their school facilities.

Environmental Benefits

In addition to expected savings on energy and operating costs, greenhouse gas emissions are expected to be reduced by 90 metric tons of CO₂ per year, which is equivalent to:

- ▶ 149 acres of trees planted for one year
- ▶ 110 cars taken off the road for one year
- ▶ 13 households powered for one year

The project assists in reducing the need for energy from traditional power plants fueled by fossil fuels.

Accolades

"Ovid-Elsie Area Schools has been very pleased working with Ameresco and about our decision to enter into a performance contract. We selected Ameresco for three primary reasons. (1) technical expertise and experience in the k-12 school market; (2) strong client satisfaction and references; and (3) focus on client solution rather than selling equipment. Throughout the process of development of the scope of work, selecting contractors, construction management, commissioning and training, the team of Ameresco professionals was helpful and responsive."

*- Dr. Ryan Cunningham, Superintendent
Ovid-Elsie Area Schools*

Services Provided

The ESPC includes energy conservation and facility improvement measures on 387,586 square feet of the District facilities. The energy project provides upgrades to four schools, Leonard Elementary School, E.E. Knight Elementary School, Ovid-Elsie Middle School, and Ovid-Elsie High School and the administration building.

The project offers energy efficiency improvements such as a comprehensive lighting retrofit, energy management system, mechanical and HVAC replacements, water conservation upgrades, insulation improvements, and new ceiling grid.





About Ovid Elsie Area Schools

Ovid-Elsie Area Schools are fully accredited by NCA/AdvancEd which provides a rigorous standard of excellence that is verified by on-site visitations and intense yearly reporting procedures. OEAS is large enough to offer a comprehensive learning experience for its nearly 1,640 students, but small enough to personalize each student's education to meet their academic, social, emotional and physical needs.

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 <http://www.ameresco.com>.



New suspended ceilings at the Middle School have helped enhance the learning environment through quieter classrooms and improved lighting quality.

Services Provided (cont.)

The lighting retrofit includes interior and exterior upgrades comprised of re-lamping and retrofitting existing lighting systems with more efficient lamps/fixtures. Students and staff benefit from better lighting quality throughout the District. The District's energy management system was upgraded and the new system is based on an open control system to interface with all the systems across the District.

Ameresco replaced one boiler with two new high efficiency boilers and replaced the domestic hot water boiler with a high efficiency unit at Ovid-Elsie Middle School. Building envelope improvements were provided at all four Schools. Water conservation consisted of the installation of new, efficient plumbing systems to reduce water consumption, wastewater production, and hot water energy use.

A ceiling grid was installed at the Middle School, to reduce the heating area. The Middle School classrooms were originally constructed without ceilings and were open to the underside of the roof deck. With the new suspended ceiling, noise interference from mechanical equipment has been reduced. Additionally, the new ceilings reflect light down into the space providing increased lighting levels. This addition not only saves energy, but greatly enhances the learning environment.

As part of the project, Ameresco provided Energy Awareness Training to help OEAS develop School District energy and sustainability standards. Ameresco worked directly with the District to promote energy reduction strategies and raise awareness of energy efficient behaviors.

To finance this project, OEAS took advantage of Qualified Zone Academy Bonds, which provide Schools with a near-zero percent interest rate. Under an ESPC, Ameresco guarantees the energy cost savings for the duration of the contract. Those savings will be used to repay the up front costs over the contract's 13 years.



Ameresco replaced old inefficient equipment such as this boiler with new high efficiency equipment.