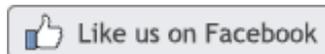




News & Updates from our members and ESC State Chapters



Michigan ESC Chapter Annual Awards Recognize Successful GESPC Projects in Schools and Local Governments



Flushing Community School district used a combination of energy efficiency and solar energy projects to reduce energy usage by 80 percent. Photo courtesy of Michigan Department of Environment, Great Lakes, and Energy (EGLE), a sponsor of the event.

Nov 6, 2019 -- Lansing, MI. Five energy projects in Michigan that used performance contracts to reduce energy waste were honored at the Energy Services Coalition -- Michigan Chapter's annual awards ceremony in Lansing on November 6, 2019.

Baraga County and the Ecorse, Eastpointe, Flushing, and Mason County school districts were honored by the Michigan Energy Services Coalition as this year's leaders in energy efficiency for projects to upgrade heating, air conditioning, and lighting; and install a 1-megawatt solar array.

Together, the five projects represent a total investment of approximately \$13.37 million and projected to save over \$900,000 in energy costs per year over the lifespan of the improvements.

"These five outstanding projects are worthy of recognition not only for their investments in energy efficiency that will benefit building users, but also for the big savings that will result for local taxpayers," said Robert Jackson, assistant division director of the Materials Management Division of the Michigan Department of Environment, Great Lakes, and Energy. "Cutting energy use, whether through large projects such as these or through individual efforts, is good for the environment and in combating climate change."

"I am pleased to honor our ESC award winners," said Nicole Gazzeny, Michigan chapter president. "They have all shown to their communities a commitment to fiscal responsibility by

leveraging operational and energy cost savings to help make needed infrastructure upgrades, while also reducing their environmental impact by shrinking their carbon footprint. The performance contracting process is a valuable option for others to consider as budgets continue to be challenged and institutional infrastructure continues to age."

In 2015, the Energy Services Coalition recognized the Michigan ESC Chapter's Annual Awards Program as a Best Practice and with support of the U.S. Department of Energy, included "Recognition" in an updated "[10 Key Attributes for Guaranteed Energy Savings Performance Contracting \(GESPC\) Program Readiness.](#)" (The "10 Key Attributes" are preconditions for developing and maintaining statewide GESPC program success.)

Since 2011, Michigan local governments, state government, counties, K-12 schools, universities, hospitals, and others have invested more than \$240 million through performance contracts, resulting in annual energy cost savings of over \$16 million.

Flushing Community Schools, one of this year award winner's, was recognized for its unique approach by combining energy efficiency improvements with a solar installation. The result was an 80% reduction in its conventional power use. These energy savings were used to fund \$3.2 million in facility improvements at zero net cost to the school district. Improvements include over 4,000 new LED lighting fixtures, new stadium LED lighting, a new Web-based building automation system, air cleaner systems, steam trap upgrades, and water efficiency.

Delaware ESC Chapter Attracts Full-house to its 6th Annual Delaware Energy Conference

Oct 24, 2019 -- Wilmington. The Delaware ESC Chapter formed in October 2012, and two years later held what has become its signature event: The Delaware Energy Conference.



Luncheon Keynote at the 5th Annual Delaware Energy Conference.

The Delaware ESC Chapter has become known for its outreach and education efforts and events and this year had a full-house (118 attendees) and sold out sponsorship opportunities (17 sponsors) for its "6th Annual Delaware Energy Conference" held on October 24 in Wilmington.

The conference, with a focus on GESPC, highlights past successes and looks ahead to future opportunities for renewable energy and energy efficiency project development in the state.

To date, more than \$125 million in energy savings projects have been implemented in Delaware as a result of a GESPC.

ESC Chapter News

North Carolina: The North Carolina Chapter is holding its annual Holiday Get-Together on January 14, 2020 at the Hickory Tavern in Chapel Hill. At its last Chapter meeting, membership voted on Executive Committee officers for the coming year. For more information see the [Chapter's home-page.](#)

New Hampshire: A Chapter Organization meeting was held on December 10 with 20 people in attendance. An Executive Committee was formed and plans are underway

for a meeting in March -- the first of its quarterly meetings for this new Chapter. Check the [Chapter's home-page](#) for more information.

Texas: The Texas ESC Chapter held its quarterly chapter meeting on December 9 in Austin. The Chapter is preparing an ESPC 101 webinar for delivery in early 2020.

Colorado: The Colorado ESC Chapter held its quarterly chapter meeting November 5 in Denver.

ESC: The Energy Services Coalition is the official training partner for eProject Builder. Let ESC walk you through why and how ePB can work for you. [Click here](#) for Free Upcoming Webinars

ESC: The ESC Website Modernization effort is underway with a new website design and pages scheduled for release in the second quarter of 2020. Chapters contributing funds to date for the website update include:

- Delaware
- Kansas
- Arizona
- Nevada
- Minnesota
- Georgia
- North Carolina
- Michigan



Spotlight on Minnesota

Dec 24, 2019: The City of Apple Valley has completed phase two of a GESPC with Ameresco. Apple Valley selected Ameresco as its project partner for the initial phase of the project in 2013. The first phase was completed in 2014.

As a result of greater than anticipated cost savings realized

from phase one, the city awarded Ameresco phase two of the project in 2018. Altogether, the energy improvements have resulted in a 12% decrease in energy consumption citywide.

Energy conservation measures included roofing replacement, water conservation, insulation, HVAC controls, boiler replacement, LED street lights and LED facility lighting upgrades. These improvements were made at 19 city buildings and other facilities, including the Apple Valley Fire Station, the Apple Valley Teen Center, the Hayes Community & Senior Center and the Hayes Ice Arena.

The City of Apple Valley is expected to save the equivalent of 630 metric tons of carbon dioxide per year, roughly equal to taking 136 passenger vehicles off the road for one year.

Spotlight on New York

Dec 20, 2019: The Clifton Park Town Board has purchased all 620 streetlights within the town's boundaries. New York passed legislation allowing municipalities to

buy their streetlights in 2015. The Town intends to replace the existing bulbs with LED technology through a GESPC with Siemens. With the new technology a control node in each new light will allow the new lamp to be dimmed or brightened as necessary during a special event or emergency.



Dec 19, 2019: Rome voters approved a proposition for a \$14.2 million project, that includes a GESPC for energy-performance upgrades at most district schools. The prop was approved by 74% of district residents who voted on the public bonding referendum. The tally was 364-127.

Nov 19, 2019: The Erie County Department of Public Works has approved a county GESPC to fund energy efficiency improvements in Erie County facilities. Erie County has created a portfolio of 109 projects across 23 locations that will pay for themselves, through energy savings and utility incentives, in less than 13 years. The total cost of the project is just over \$7 million and the project will generate \$417,000 in savings annually while reducing the amount of CO2 the county produces by 8 million pounds.



Spotlight on Virginia

Dec 19, 2019: Virginia Governor Ralph Northam announced the Virginia Department of Transportation (VDOT) will contract with Trane to replace more than 9,600 highway lights with LED lights. The lighting upgrade will reduce highway lights; energy consumption by more than 50 percent and triple the expected lifetime of the lights from five to 15

or more years.

The project is part of the clean energy goals the Governor laid out in his 2018 Virginia Energy Plan and in Executive Order 43 which he signed in September.

The lighting project is expected to result in savings of \$4.6 million by 2036 under a GESPC between VDOT and Trane. The replacements will start in spring 2020.

Nov 13, 2019: The Roanoke School Board has signed a GESPC for \$16.8 million to replace heating, ventilation and air conditioning units and retrofitting old lighting with LED fixtures, along with other energy efficiency measures. Roanoke City Public Schools hired energy services contractor Trane in January to study energy systems and implement upgrades. Based on Trane's IGA, Roanoke could pay for the project with guaranteed savings of \$1.3 million annually over the next 15 years.

Trane was selected through a cooperative procurement process by using contracts competitively bid by other public entities. Virginia law allows public bodies to use the process for certain purchases. Roanoke used a contract created by US Communities - now part of Omnia Partners - a large national cooperative.

The board also received 10 responses to a request for proposal for financing. TD Bank presented the lowest offer, with a fixed interest rate of 2.1%.

Spotlight on Missouri

Dec 18, 2019: The City of Florissant has entered into a \$6,157,100 equipment lease purchase agreement financed by D.A. Davidson. The financing is part of an energy savings project for energy improvements at numerous city facilities.



Spotlight on Arkansas

Dec 18, 2019: Howard County is partnering with McKinstry to deliver energy-saving upgrades and replacements to critical systems at county facilities, including the heating, ventilation and air-conditioning (HVAC) system at the county courthouse building. The project is expected to save taxpayers more than \$51,000 in annual energy costs and more

than \$23,000 in annual operations costs, and to get the County near net-zero energy.

The centerpiece of the energy project is a new 240-kilowatt (kW) solar photovoltaic (PV) array, projected to significantly reduce energy costs and provide the county with a reliable source of power outside of its current reliance on the electrical grid. The solar array will provide the county with nearly 100 percent of its annual energy consumption.

Dec 10, 2019: The Central Arkansas Library System (CALs) consists of over 424,900 square feet of facilities spread across a variety of locations including fifteen libraries, support facilities, and the downtown Ron Robinson Theater. In 2017, CALs partnered with the Arkansas Energy Office to find an ideal solution for becoming more energy efficient and improve operations. After an evaluation of several qualified vendors, CALs selected Little Rock based Entegrity to perform a thorough audit and to perform the work through a GESPC. With the upgrades now completed CALs is guaranteed annual savings of \$216,466, and lifetime savings of \$3.8 million.

Throughout the 18 Central Arkansas Library System locations, nearly 6,000 lamps and fixtures were replaced with the latest in energy efficient LED Lighting. Further measures were taken to reduce energy, maintenance, and water costs, such as low flow water fixtures, new HVAC Equipment, and Utility Rate Corrections. The project came in under budget, allowing the Library System to dedicate the remaining funds to construct a 66kW solar array at the Hillary Rodham Clinton Children's Library & Learning Center.

Spotlight on Colorado

Dec 4, 2019: Gunnison County reported a massive 66 percent reduction in energy use this year in its Health and Human Services building as a result of a GESPC.

In 2010-11 the county used an energy performance contract to lower energy use, then in 2017-18 the county renovated the



building and changed the mechanical system to ground source heat pumps, converting the building to all-electric. This coming spring, the building will also receive rooftop solar panels - - projected to cut in half its greenhouse gas emissions.

The county is working toward Energy Star certification on the Health and Human Services building and the courthouse, and expects to get those finalized in the new year.

Dec 4, 2019: Holyoke School District has a draft energy performance contract with Schneider Electric pending. The school district interviewed two companies in mid-November, with Schneider Electric selected for the energy performance contract.



Spotlight on Ohio

Nov. 4, 2019: The city of Cleveland Heights expects to cut its energy and maintenance costs by more than half as a result of a nearly \$6 million GESPC focused on overhauling its energy infrastructure. That works out to about \$400,000 a year in savings, going from \$749,000 in utility bills and upkeep to a

projected \$350,000 annually.

While the bulk of the work took place at the Cleveland Heights Community Center, the GESPC with Evans Energy also included replacement of a 1968 ice maker on the city's South Rink, and 14 other city buildings received upgrades as well as LED stoplights throughout the city.