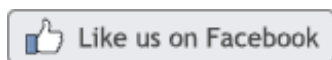




## News & Updates from our members and ESC State Chapters



### Denver hosts 2019 ESC Conference



Colorado Governor Polis delivers the Lunch keynote at the 8th Annual ESC Market Transformation Conference. Photo by Randy Martin.

The 8th Annual ESC conference was held August 22nd and 23rd in downtown Denver. More than 150 attendees from over 35 states participated in the conference at The Curtis hotel.

The Colorado ESC Chapter co-hosted the event and held a pre-conference workshop focused on energy performance contracting practices unique to Colorado. The Conference featured 11 technical sessions and three keynote speakers over the course of two days. To view presentations click [here](#) for

the agenda and click on the speaker/presentation you wish to view.

Last month the ESC announced the 2020 9th Annual ESC Conference will be held in Texas. Stay tuned for more announcements, and remember, this conference is designed for you!

See ya' in Texas.

### "2019 ESC Race To The Top" Award Winners

For the eighth consecutive year Hawai'i is the ESC Race to the Top award winner for the nation's cumulative per capita investment in state and

county energy efficiency projects.

Hawai'i received the ESC's 2019 "Race to the Top" award for its "outstanding commitment to energy efficiency, environmental stewardship and economic development through guaranteed energy savings performance contracting (GESPC). Hawai'i, with cumulative investment of \$372.81 per capita in energy performance contracts,



Alan Okimoto, Hawaii State Energy Office (right) accepts the Race to the Top award for all-time GESPC investment per capita from Jim Arwood, ESC Executive Director (center) and David Terry, ESC Board President (left).

outpaced second place Washington State at \$211.83 per capita. For a full list of states, see: <https://www.energyservicescoalition.org/escpc/table>.

The Hawaii State Energy Office has been providing technical assistance to state and country agencies entering into energy performance contracts since 1996. Over that time performance contracts signed by state and local government agencies in Hawai'i include 295 buildings and facilities covering more than 112 million square feet. The \$507.1 million of energy performance contracts put in place will save the state an estimated \$1.2 billion in electricity costs over the life of the contracts.

The State of New Mexico was the top reporting state for GESPC per capita investment in FY19 with a total investment of \$35.39 per capita.

Other winners included the State of Washington, which claimed the top spot for the most GESPC investment in FY19 with a total of \$68,008,881.

Ohio holds a narrow advantage in cumulative GESPC investment with a total of \$1,441,526,667, slightly more than Washington's all-time total investment of \$1,424,458,811.

To see the amount of Guaranteed Energy Savings Performance Contracting (GESPC) investments in state and local buildings in particular states, visit the [ESC Race to the Top](#) and roll your cursor arrow over the state you are interested in seeing totals for. If the state is in **green**, you can click for more information. The amounts listed are reported by the states or gathered from publicly available resources. States with missing data are encouraged to contact ESC at [ESC@energyservicescoalition.org](mailto:ESC@energyservicescoalition.org) to have your data added or updated. [Click here](#) to download a spreadsheet for documenting your state's GESPC investment data in support of the Race to the Top or to report updated investment numbers

## 2019 ESC Leadership Awards

Tom Walther was recognized by the ESC at the 8th Annual ESC Market Transformation Conference as the 2019 ESC Private Sector Champion. Tom has over 35 years of experience in the Energy Conservation and Facilities Improvement Industry. He has been an active member of the ESC since 2004, and served as the President of the organization's National Board of Directors from 2014 to 2017. He currently is a member of the ESC Board of Directors and heads the Organizational Growth Committee. He is also a member of the Florida

Fred Yebra, the Texas ESC Chapter Public Co-Chair, was named the first recipient of the Doug Dahle ESC Public Sector Champion Award. Fred was the lead on putting together the Texas ESC Chapter organizational meeting on Feb. 14, 2019. From a membership of two, the Texas Chapter has grown in less than a year to 76 members in six months.



(Left) Tom Walther accepts the ESC's 2019 Private Sector Champion Award from Jim Arwood, ESC Executive Director. (Above) Fred Yebra, Texas ESC Public Sector Chair, accepts the 1st Annual ESC Doug Dahle ESC Public Sector Champion Award from Jim Arwood and ESC President, David Terry.

## ESC Chapter News

**Delaware:** The 6th Annual Delaware ESC Energy Conference was held on October 24 in Wilmington, Delaware. Registrations sold out prior to the conference with 120 attendees registering for the one-day event.

**North Carolina:** The Chapter has a quarterly meeting scheduled for November 12<sup>th</sup> in Charlotte. Business items include electing a new Private Co-Chair. The Chapter Holiday Get-together is planned for January 14. This will mark the 5th Annual holiday meeting and social at the Hickory Tavern in Chapel Hill.

**Georgia:** The Georgia ESC Chapter held a Chapter meeting on October 23 in Atlanta to discuss upcoming chapter activities. The Georgia ESC Chapter co-hosted the 2018 ESC annual conference.

**Texas:** The Texas ESC Chapter held its quarterly chapter meeting on September 25 and accepted the offer to co-host the 2020 ESC annual conference. The Texas Chapter also is exhibiting at the upcoming Texas Energy Summit hosted by the Energy Systems Laboratory (ESL). The ESL is a division of the Texas A&M Engineering Experiment Station (TEES).

**New Mexico:** The New Mexico ESC Chapter partnered with the NM Association of Energy Engineers to hold the 1st Annual NMAEE and NM ESC Conference. The conference was held Friday, September 27 at the Sandia Resort and Casino.

**Colorado:** The Colorado ESC Chapter held its quarterly chapter meeting on



Thursday, October 24th in Denver. At their June meeting, the Chapter allocated funds to cover the conference registration fees for 18 Colorado public sector employees to attend the 8th Annual ESC Conference held in August in Denver.

**Michigan:** The Michigan ESC Chapter is holding its 6th Annual ESC Leadership in Energy Efficiency Awards Luncheon on Thursday, November 7, from 11am to 1pm. The awards luncheon is being held at Lansing Community College (Gannon Building) and will feature a keynote address by Laura Shreman, President for the Michigan Energy Innovation Business Council. To attend RSVP by November 1, 2019 to [Greg Mackey](#).

**Tennessee:** Chapter members held a conference call the week October 15 to discuss upcoming activities for Chapter involvement.

**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. Free Upcoming Webinars:

- Thu, Nov 14, 2019 1:00 PM - 2:30 PM EST | [Register here](#)
- Tue, Nov 26, 2019 1:00 PM - 2:30 AM EST | [Register here](#)
- Thu, Dec 12, 2019 1:00 PM - 2:30 AM EST | [Register here](#)



## Spotlight on Oregon

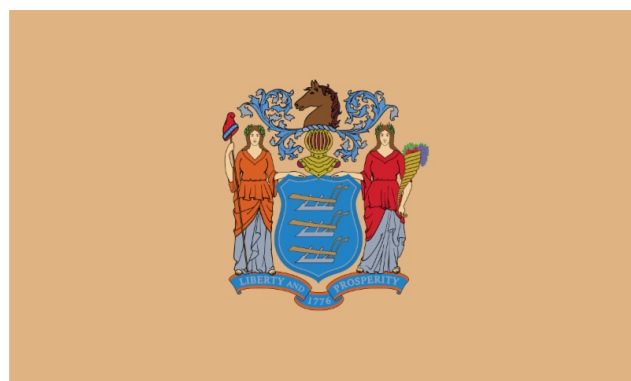
**Oct 21, 2019:** Silver Falls School District has partnered with Ameresco on a \$1.8 million GESPC. This project will improve the interior and exterior lighting at 13 district schools, the District office and its bus depot. The project is expected to save \$87,000

annually.

Ameresco provided coordination and management of reimbursement from utility public purpose charges and the Energy Trust of Oregon along with estimated energy savings, making this project budget neutral with no impact to the District's general fund budget. This project is expected to be completed in 2019.

## Spotlight on Florida

**Oct 18, 2019:** Satellite Beach has awarded a GESPC to ABM to help the city make energy efficiency upgrades and facility enhancements in five city facilities and three parks, while also creating energy and operating savings to help offset the upgrades. Work is expected to be completed in



2020.

Sept 27, 2019: The City of Deerfield Beach has embarked on a city-wide energy efficiency project to reduce the city's environmental footprint. The Commission of Deerfield Beach approved a 17-year contract with Siemens to deliver energy performance services. Valued at more than \$9.2 million, the goal of the infrastructure improvement project is for the city to reduce energy consumption in more than 20 of its facilities and to increase the use of alternative energy sources. Energy and operational savings are anticipated to be around \$15 million by the end of the 17-year project.



## Spotlight on Maryland

**Oct 17, 2019:** The Garrett County Commissioners signed a GESPC that's expected to save the county \$1.8 million in energy costs over the next 15 years. The contract with Schneider Electric identified measures in 12 county-owned buildings. The primary goal was to find ways to reduce energy usage and associated

costs, and to reduce the list of deferred maintenance items by implementing energy and operational savings measures. The project will include HVAC and lighting upgrades, window replacements and water conservation measures.

## Spotlight on Missouri

**Oct 13, 2019:** The Moberly City Council has awarded the financing for its GESPC to a local Moberly bank. The GESPC will include the replacement of water meters throughout the community.



## Spotlight on Tennessee

**Oct 3, 2019:** Blount County Schools Board of Education has given unanimous approval for Trane to conduct an investment grade audit on its 21 schools. BCS spends about \$3.2 million annually on utilities, and Trane estimates the district can save about \$615,000 with more efficient

heating, ventilation and air conditioning systems, lighting, windows, roofs and more. Trane has worked with the district for five years on other projects.

The county's two 40 year-old high schools have problems with moisture intrusion, and the school board has proposed a nearly \$100 million renovation plan. The BCS has approved about \$4 million in funding for the renovations this year under Fund 177, a portion of property taxes not split with the city school district.

Districts can borrow up to \$5 million under the state's Energy Efficient Schools Initiative at interest rates of 1.5 to 2 percent.

## Spotlight on Arkansas

**Oct 2, 2019:** Howard County is partnering with McKinstry to deliver energy-saving upgrades and replacements to critical systems at county facilities, including the HVAC system at the county courthouse building. The project will save taxpayers more than \$51,000 in annual energy costs and more than \$23,000 in annual operations costs. The centerpiece of the energy project is a new 240 kilowatt (kW) solar photovoltaic (PV) array, which will 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. This project comes on the heels of McKinstry launching a national Renewable Energy Services team to expand its focus on renewables.

**Sept 19, 2019:** Henderson State University plans to spend \$11.4 million as part of GESPC to upgrade boilers and other infrastructure. The university signed a contract for the project years ago but was unable to continue pursuing it until this fall after previous financial leadership reduced the university's capital improvement authority to only \$1 million. The university had the authority to spend \$50 million last year.



## Spotlight on Mississippi

**Oct 1, 2019:** Lauderdale County's Northeast Middle School will receive new solar array as part of the newly approved energy savings performance initiative. The initiative, two years in the making, will provide upgrades to all Lauderdale County School District schools.

The energy savings contract involves a 16-year, \$10 million financing agreement with an annual savings of just over \$500,000, the project will eventually pay for itself.

## Spotlight on South Carolina

**Sept 30, 2019:** Medical University of South Carolina has begun phase two of a comprehensive energy savings project with Ameresco. The combined project, at 50 campus facilities, is valued at more than \$43 million dollars in infrastructure improvements.



Founded in 1824, MUSC is the

largest non-federal employer in Charleston, consisting of six colleges and a 700-bed hospital complex. The project is estimated to generate \$3,271,000 in annual energy cost savings under the 15-year contract term. Ameresco will also train university staff on how to operate and maintain its new equipment and systems.

MUSC will benefit from significant reductions in energy consumption, reduced utility cost savings and improved facility environmental conditions. Additionally, the project addresses capital deferred maintenance needs funded entirely from guaranteed savings. This second phase will also improve facility operational efficiencies, preserve capital to address other campus improvement needs, and enhance the academic learning environment for its students and faculty.

**August 28, 2019:** Aiken County Public Schools is projected to save more than \$70 million in energy and operating costs over a 20-year period as a result of a GESPC with ABM. Energy and operations savings will be achieved by implementing lighting, HVAC and control upgrades, as well as water conservation throughout the school system's 40 plus facilities, and installation of a solar field at six campuses. The upgrades are projected to save ACPS more than \$2.2 million in energy and operating costs in the first year alone. Savings will climb during the life of the 20-year program, resulting in a projected totals savings of \$70 million.



## Spotlight on Virginia

Sept 27, 2019: Governor Northam issued [Executive Order 43](#), directing the Department of Mines, Minerals and Energy (DMME) and other state agencies to "develop a plan of action to produce 30 percent of Virginia's electricity from renewable energy sources by 2030 and one hundred percent of Virginia's electricity from

carbon-free sources by 2050."

The Executive Order also sets new energy savings requirements for State facilities to reduce state consumption of electricity by 10 percent by 2022, measured against a 2006 baseline, using energy performance contracting.

The Order establishes a new target for state procurement of solar and wind energy of 30 percent of electricity by 2022, up from an 8 percent goal set by former Governor Terry McAuliffe. The order also calls for at least 10 MW annually of power purchase agreements (PPAs) for on-site solar at state facilities, and requires agencies to consider distributed solar as part of all new construction.

## Spotlight on New York

**Sept 24, 2019:** Corning-Painted Post School District voters overwhelmingly approved an \$89 million proposal featuring work at every building in the district. The 1112-218 vote includes funding for a GESPC and energy improvements. The GESPC represents approximately \$8.4 million of the total project -- but the resulting



energy savings from efficient lighting, smart controls and other improvements is planned to far outweigh the cost. The state also offers incentives in connection with the energy efficiency improvements, which should help to further reduce long-term costs.

**Aug 2, 2019:** The City of Peekskill and Honeywell have agreed on a GESPC covering \$4.3 million worth of improvements designed to save energy and cut greenhouse gasses that negatively impact climate change. The city is expected to have to lay out only \$184,000 during the 20-year term of the contract.

City upgrades and improvements include: LED lighting and controls; street light upgrades; boiler replacements at Peekskill's Neighborhood Center and Water Plant (including oil-to-gas conversion at the Neighborhood Center); Paramount Theater heating and air conditioning upgrades; building management system upgrades; window replacements and other building improvements, including a cooling upgrade for City Hall; pipe insulation; desktop computer power management; smart power strips; and fan motors for the Peekskill Police Station, City Court and Neighborhood Center.

The project is anticipated to result in carbon emissions being cut by 1,100 tons per year. In addition, sulfur oxide released into the air would be cut by seven tons a year and nitrous oxide would be reduced by three tons a year.



## Spotlight on Kentucky

**Sept 23, 2019:** Warren County Fiscal Court as become more energy efficient after a 2018 GESPC with ESG. The \$5.7 million contract included heating, ventilation and air conditioning upgrades. Recently the court was presented with \$17,220 rebate check for converting from gas to electric as part of the contract.

## Spotlight on Michigan

**August 28, 2019:** Saint Joseph County is projected to save more than \$2.6 million in energy and operating costs over a 15-year period as a result of a GESPC with ABM. Energy and operations savings will be achieved by implementing lighting, HVAC and control upgrades, and resealing buildings to control air and humidity infiltration throughout seven of the county's facilities. The upgrades are projected to save Saint Joseph County more than \$139,000 in energy and operating costs in the first year alone. Savings are then projected to climb during the life of the 15-year program, resulting in an estimated total savings of \$2.6 million over the lifetime of the program.



**August 22, 2019:** Flushing Community School District has completed a seven-site solar project as part of a GESPC with Trane and Standard Solar. Istandard Solar designed, built, financed and will operate and maintain solar arrays at all



seven schools within the Flushing Community School District. The renewable energy generated by the 956.8 kilowatts of combined arrays is estimated to save the school district \$45,000 annually and \$900,000 over the course of the contract.

The solar project was completed in tandem to an energy performance contract with Trane Corporation. Technical assistance to the district was provided by Performance Contracting Owner Representative, and Miller Canfield's Renewable Energy Finance team acted as legal counsel for the school district.



## Spotlight on Pennsylvania

**August 28, 2019:** Warren County is projected to save more than \$2.4 million in energy and operating costs over a 15-year period, which will allow the county to make several vital updates to the Warren County Courthouse and three other facilities. The project is scheduled for completion in 2020.

Energy and operations savings will be achieved by implementing energy-efficient lighting and HVAC upgrades, and water conservation at the Warren County Courthouse, the Hickory Street Annex, and the Warren County Warehouse, among others. The upgrades are projected to save Warren County more than \$129,000 in energy and operating costs in the first year, which will climb during the life of the program, resulting in a projected total savings of over \$2.4 million.

The energy and infrastructure upgrades coincide with the county's Bicentennial celebration of its creation on October 1, 1819. The Warren County Courthouse was built in 1876 and is listed on the National Register of Historic Places.

## Spotlight on Georgia

**August 28, 2019:** Bryan County is projected to save more than \$16.4 million in energy and operating costs over a 15-year period, which will allow the county to dedicate funding to providing additional services as the county continues to meet the needs of a rapidly growing population. The project is scheduled for completion in early 2020.



Energy and operations savings will be achieved by implementing lighting, HVAC and control upgrades, and water conservation throughout the county's 36 facilities. The upgrades are projected to save Bryan County more than \$500,000 in energy and operating costs in the first year, which will climb during the life of the program, resulting in a projected total savings of over \$16.4 million.

## Spotlight on Indiana

August 13, 2019 - Indiana: Goshen school board is exploring the



purchase of a ground-mounted solar panel arrays for two of its elementary schools at a cost of about \$1.7 million.

Performance Services is working with the district on a guaranteed energy savings contracts. The smaller of the two arrays, covering about one acre, is 292 kilowatts, which would allow the school to offset 99 percent of its

total electricity usage. That in turn would result in an annual energy savings of about \$63,700. Total cost of the array was quoted at about \$680,000.

As for the larger system requiring slightly more than 1 acre of property at the school, the array would produce about 486 kW, again offsetting nearly 100 percent of the school's electricity usage. That in turn would result in an annual energy savings for the school of about \$102,000. Total cost of the larger array was quoted at about \$1.01 million, bringing the total cost of both arrays to just under \$1.7 million.

GCS could expect to see savings upward of \$1.37 million within 20 years, and as much as \$4.03 million within 30 years should the arrays be maintained properly.