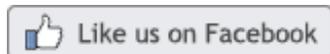




## ESC Decade in Review: Programs and Projects Part 1 -- Countdown 2019-2015

Highlights of GESPC Successes from around the nation



# 2019 . . .

### Spotlight on Virginia

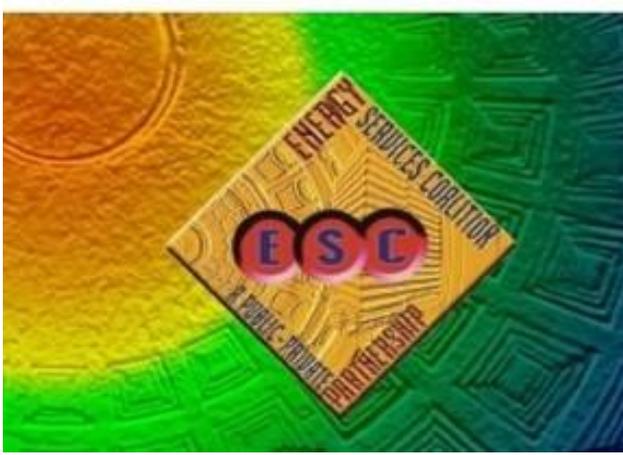
**Dec 19, 2019:** Virginia Governor Ralph Northam announced the Virginia Department of Transportation (VDOT) will enter into a GESPC with Trane to replace more than 9,600 highway lights with LED lights. The lighting upgrade will reduce energy consumption by more than 50 percent and triple the expected 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. Executive Order 43, directs the Department of Mines, Minerals and Energy (DM ME) and other state agencies 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.

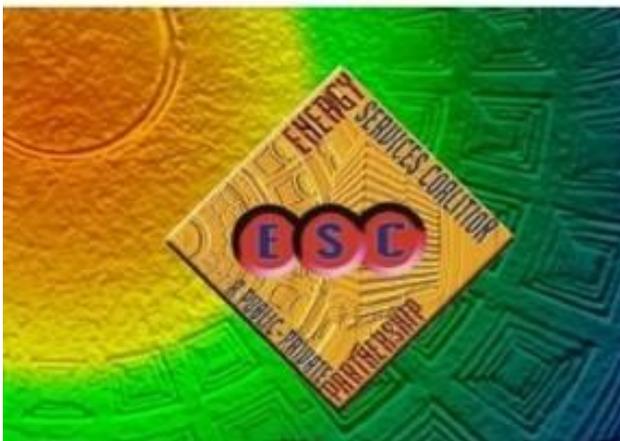
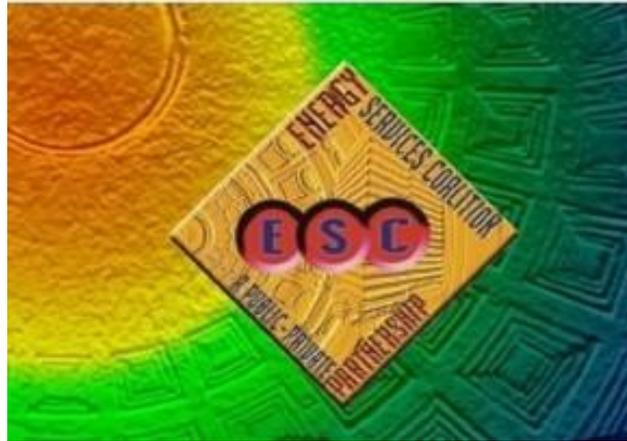
### Michigan ESC Chapter Annual Awards Recognize Success

**Nov 6, 2019 -- Lansing, MI.**  
The Michigan ESC Chapter honored five GESPC projects at its ninth annual awards ceremony in Lansing. Together, the five projects represent a total investment of approximately \$13.37 million and are projected to save over \$900,000 in energy costs per year over the lifespan of the improvements.



## 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. This year's "6th Annual Delaware Energy Conference" was held on October 24 in Wilmington and focused on GESPC, highlighting past successes and looking ahead to future opportunities for renewable energy and energy efficiency project development in the state.



## NM ESC Chapter holds annual energy conference

**Sept 27, 2019** -- The New Mexico ESC Chapter partnered with the NM Association of Energy Engineers to hold its first NMAEE and NM ESC Conference. The conference is being held Friday, September 27 at the Sandia Resort and Casino. The Chapter intends to make the conference an annual event.

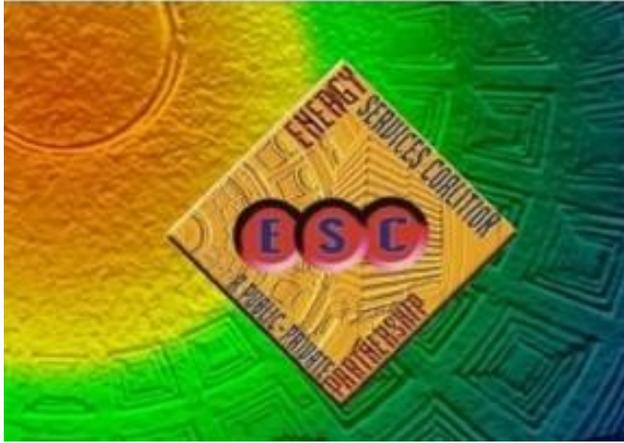
## ESC Market Transformation Conference: Texas to host 2020 Conference

**August 22-23, 2019** -- The ESC Board announced its 9th Annual ESC Conference will be held in Austin, Texas in October 2020. Texas becomes the eighth state ESC Chapter to co-host the conference with the National ESC.

In August, the 8th Annual ESC conference was held in Denver, marking the second time the



Colorado ESC Chapter has hosted the annual conference (2013). Other hosts state Chapters include: Tennessee (2012), Minnesota (2014), North Carolina (2015), Kentucky (2016), Nevada (2017) and Georgia (2018).



## 2019 National ESC Award Winners

**August 22-23, 2019** -- 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 GESPC with a cumulative investment of \$372.81 per capita, outpacing second place Washington State at \$211.83 per capita. ([Click here](#) for a full list of states.)

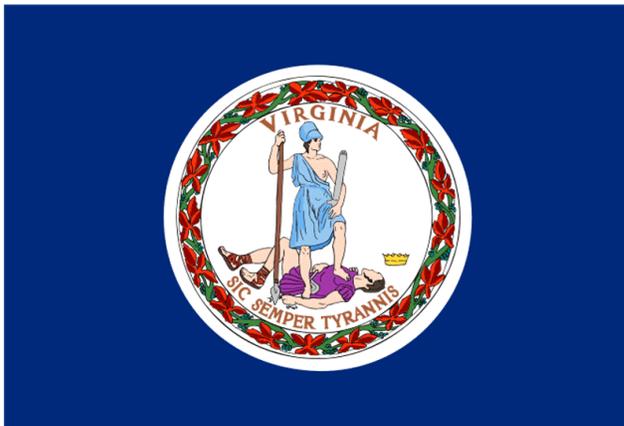
Other state winners included the State of New Mexico as the top reporting state for GESPC per capita

investment in FY2019 with a total investment of \$35.39, the State of Washington claimed the top spot for the most GESPC investment in FY19 with a total of \$68,008,881. Ohio holds a narrow advantage in all-time 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.

Tom Walther was named the 2019 ESC Private Sector Champion. Tom has over 35 years of experience in the Energy Conservation and Facilities Improvement Industry and is a member of the Florida ESC Chapter. Fred Yebra, the Texas ESC Chapter Public Co-Chair, was named the first recipient of the Doug Dahle ESC Public Sector Champion Award.

## Nevada ESC hosts water workshop

**July 10, 2019** -- The Nevada ESC Chapter partnered with Western Resource Advocates to host an Irrigation and Water Efficiency Tour and Demo at the Washoe County School District in Reno, Nevada. More than 20 attendees spent the day learning about GESPC in water projects.

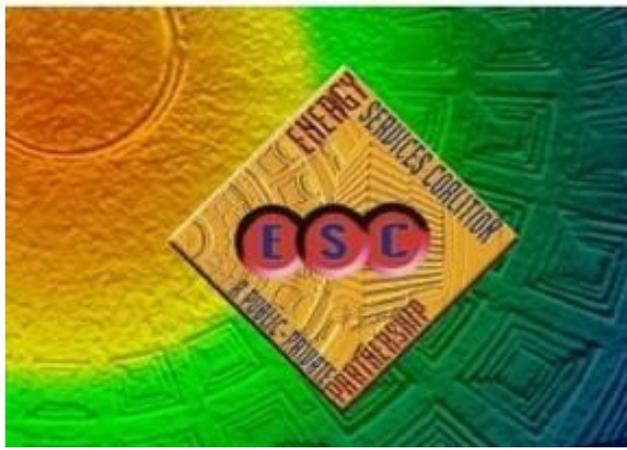


## Spotlight on Hawaii

**June 26, 2019** -- The state Legislature passed HB 401 and Gov. David Ige signed it into law. The bill allows government agencies, including counties, to enter partnerships with private-sector energy transportation companies that will allow the private companies to build a zero emission transportation infrastructure using a performance contract the agency will pay over time.

## ESC launches On-line Community

**May 13, 2019** -- The ESC launched its new public sector technical assistance effort: The Guaranteed Energy Savings Performance Contracting (GESPC) Online Community. The Online Community forum is a private discussion group maintained and monitored by the Energy Services Coalition. Its establishment, oversight and management is supported by the United States Department of Energy, Energy Efficiency and Renewable Energy/Weatherization and Intergovernmental Programs. The Online Community is open to public sector employees with a wide variety, and level, of experiences with energy performance contracting. All Community members are vetted and approved as representing a qualified unit of government.



### Spotlight on New Mexico

**April 21, 2019** -- The General Services Dept launched a \$32 million GESPC with Trane to improve state buildings. The project includes solar power, the state government's first battery storage system, the state's first electric vehicles and electric charging stations. The project is one of the largest GESPCs in state history and addresses Gov. Lujan Grisham's executive order requiring state agencies curb their carbon footprint.

### Spotlight on Arkansas

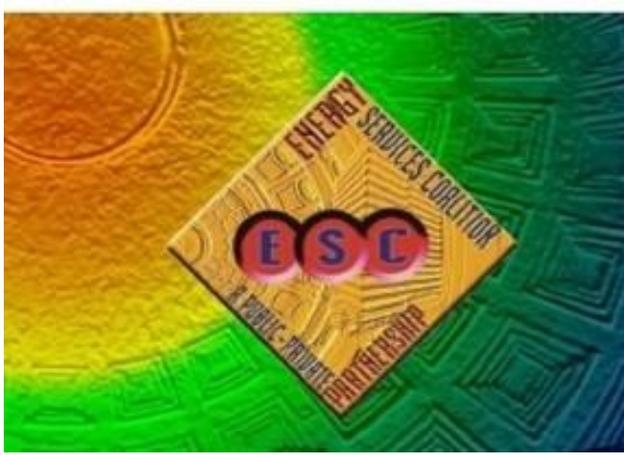
**March, 2019** -- The Arkansas House of Representatives overwhelmingly approved House Bill 1636 ((88-2), a measure to give public entities a greater chance to use Arkansas' energy performance contracting program. HB1636 allows a GESPC to be extended if its energy cost savings measures include either an active equipment warranty period or a combined useful life in excess of 20 years. Current law sets a maximum term at 20 years. HB1636 also lets school districts join under existing program rules and regulations, utilizing the Arkansas Department of Environmental Quality's Energy Office as program administrator.



The legislature also approved a bill to allow third-party financing of solar arrays. The full House passed Senate Bill 145 by an 83-5 vote, sending to Gov. Asa Hutchinson a bill that will open up solar power options for non-taxed entities like nonprofit corporations, government agencies and schools.

### Texas launches State ESC Chapter

**Feb 13, 2019** -- The Texas ESC Chapter held an organizational meeting to reboot its Chapter on

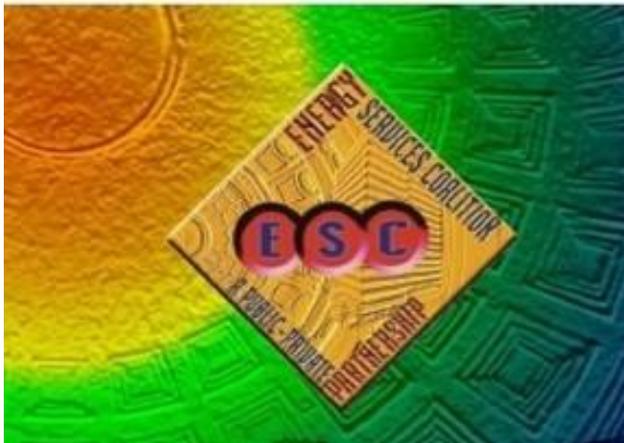


February 13, 2019. The Chapter meeting was open to all interested parties and at the conclusion those in attendance were asked to join the ESC. Response was immediate and overwhelming with the Chapter growing to 70 members within the first month.

## 2018 . . .

### Spotlight on Colorado

**Oct 19, 2018** -- Walden in Jackson County unveiled their new floating 75kW solar photovoltaic (PV) array at the Town Water Treatment Facility recently. The installation is the first of its kind in Colorado and only the fifth in the U.S. With a \$400,000 price tag, the project was made possible through a GESPC with Johnson Controls and was supported by the Colorado Energy Office.



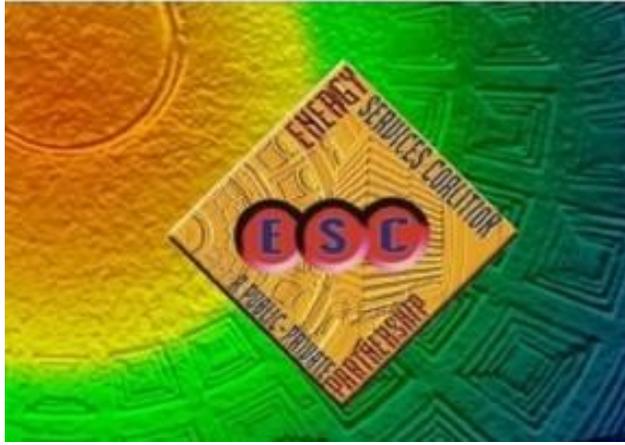
### ESC Race to the Top goes over \$10 billion mark

**Oct 4, 2018** -- Over the summer the ESC's Race to The Top database surpassed \$10 billion in projects reported by states or gathered from publicly available resources. At its 8th annual conference, held in Atlanta, the ESC reported GESPC investments have continued to grow and were now \$12,825,258,518.19 in reported projects. Since its inception, 42 states have reported project data to the ESC's Race to the Top.

### Spotlight on Kentucky

**August 24, 2018** -- Maysville Mayor David Cartmell presented on the city's GESPC at the 43rd annual Governor's Local Issues Conference. The city and Mason County first began exploring energy saving options in April 2016, when Greg Copley, program coordinator at the University of Kentucky Center for Applied Energy Research, introduced the city and county to GESPC as a means to finance facility energy improvements. The city invested \$1.15 million into the project with Ameresco. Work began in July 2017 and was completed in





## ESC research explores GESPC in states

**July 1, 2018** -- The ESC wrapped up to research efforts on two fronts -- working directly with States to understand their programmatic design elements for GESPC and refreshing the Key Attributes that lead to success. This research indicated only a limited number of states are maintaining records on GESPC investments presently. In a vast majority of states the challenge is that the tools do not exist to allow a state to collect data to demonstrate

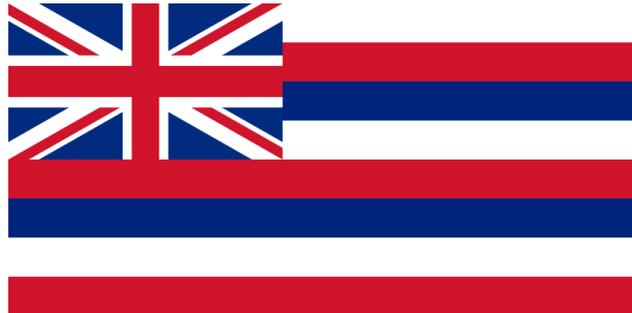
the achieved impacts of GESPC. These results suggested a clear need to collect as much of this data as possible to not only demonstrate the steady growth in recent years, but highlight the economic impact that this procurement tool has at the state and local level and the staggering amount of untapped potential.

In the second outreach effort the ESC State Liaison Team interviewed GESPC practitioners and state energy office stakeholders about data collection and tracking methods and their use of eProject Builder. As part of these interviews, the ESC documented the benefits, challenges and barriers to deploying a national repository for GESPC project data.

Both efforts were supported by the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy.

### Spotlight on Hawaii

**June 20, 2018** -- One of the largest GESPC in the MUSH market is nearing completion. At \$207 million, it will improve energy efficiency at airports across Hawaii. Solar modules are also being installed at the Honolulu airport as part of the GESPC with Johnson Controls. The GESPC is expected to save more than \$600 million over 20 years .



### Spotlight on Arkansas

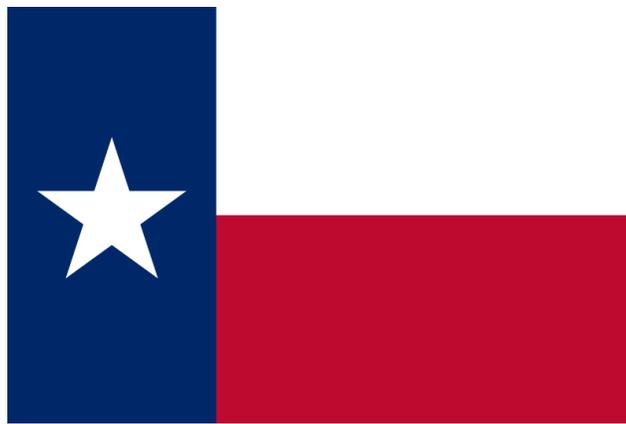
**June, 2018** -- Act 554 of 2013 created the Arkansas Energy Performance Contracting Program. The law allows state agencies to treat utility savings as revenue that can be used to pay off capital improvement bonds as long as qualified energy efficiency firms, as certified by the Arkansas Energy Office in the Department of Environmental Quality, are chosen for the work. Otherwise, capital improvements require a separate

appropriation act passed by the legislature.

In 2018, five years after its passage, Act 554 is saving the state millions of dollars on utility bills. The Arkansas Department of Corrections was the first public agency to implement a project under the law. At least 10 other public entities have entered into similar agreements including Pulaski County, Arkansas State University, the University of Arkansas at Pine Bluff, Little Rock Water Reclamation Authority, Arkansas Tech University and the Central Arkansas Library System.

## Spotlight on Texas

**May, 2018** -- Harlingen Valley International Airport is entering phase three of a GESPC with Schneider Electric. The airport's first GESPC dates back to 2005. In total, the multi-phase project will deliver an estimated \$1.58 million in savings and reduce the airport's annual utility expenses by 38 percent. The first phase delivered \$1.1 million in guaranteed savings.



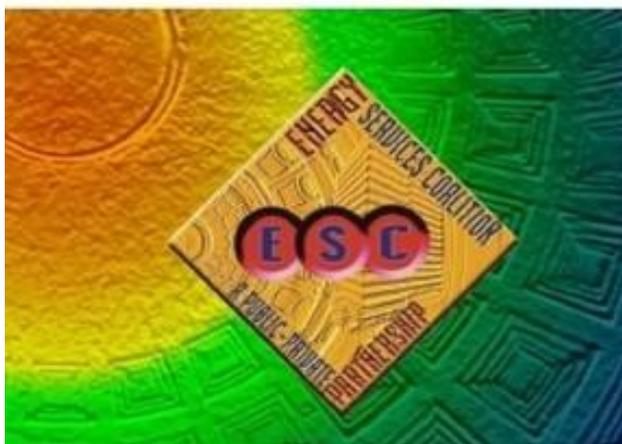
## Spotlight on Illinois

**May, 2018** -- Chicago is undertaking one of the most ambitious streetlighting upgrades in the nation. The city's Smart Lighting Program includes the replacement of more than 270,000 high-pressure sodium fixtures. The city is working with Ameresco for the installation of the fixtures and Silver Spring Networks for the development of the necessary networking capabilities. The new LED street lights are expected to

consume between 50% and 75% percent less electricity than Chicago's existing streetlighting fixtures, and the networking capabilities of the new system will allow additional savings.

## Spotlight on Oregon

**April, 2018** -- Portland Public Schools (PPS) has partnered with Ameresco for a \$2.1 million GESPC for five schools. PPS and Ameresco have been working together for nearly a decade and this project marks the eighth GESPC contract between the two groups. The current contract provides the District access to utility incentives and funding from Oregon's Senate Bill 1149 legislation estimated at more than \$1,180,000, which represents over 50 percent of the contract total.

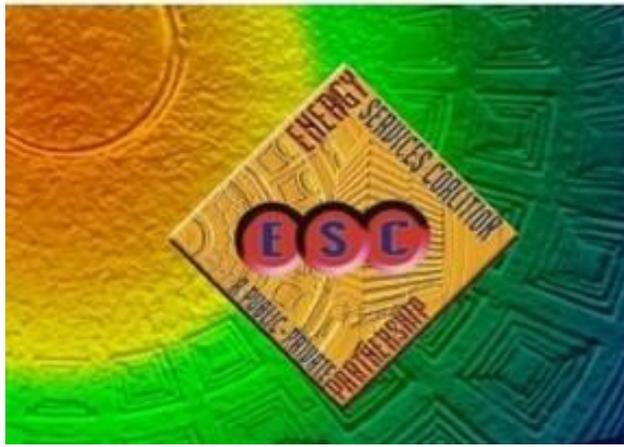


## ESC Produces Chapter Playbook

**March, 2018** -- Version 2.0 of The ESC Chapter Playbook is now posted to the [ESC website](#). The Chapter Playbook is a living document that represents examples of successes and challenges from state chapters. The Playbook outlines approaches of how Chapters operate in support of a state GESPC program. The Playbook was produced with support from U.S. Department of Energy.

## Grows by Two

**Feb, 2018** -- The ESC network of state Chapters has grown by two. Indiana launched a new ESC Chapter, joining Tennessee, which re-launched its ESC Chapter in August 2017. Since circumstances vary from state to state, the state chapter network provides specific problem solving capacity and education and outreach at the state and local level. Chapters are the vehicle for ESC members located in, or doing business in a particular state, to identify and develop solutions to state-specific issues or problems related to performance contracting in their state.



## 2017 . . .



### Spotlight on Colorado

**November 1, 2017** -- In 2016 the University of Northern Colorado signed a \$8.86 million GESPC with McKinstry. The project resulted in energy efficiency improvements in 18 buildings across campus and will repay the loan over 15 years. As cost-effective as those measures are, the real challenge was changing the habits of the people who use those buildings.

McKinstry conducted social science research about what causes people to change their behavior and found internal motivation isn't enough - such as when people start going to the gym or quit smoking. Peer pressure, incentives, recognition for committing and making that commitment a social norm go a long way toward getting people involved. To that end, UNC and McKinstry launched a campaign called "People. Power. Planet" to effect behavioral change in students, staff and faculty. More than 600 students, faculty and staff signed up in its first year and cut energy use by 12 percent.

### Spotlight on Arkansas

**October 4, 2017** -- The University of Arkansas at Pine Bluff hosted a ribbon cutting ceremony to celebrate the completion of its solar park. The solar park is the culmination of a \$19.3 million 19-year energy performance contract through the Arkansas Energy Performance Contracting (AEPC) Program. The keystone of the project is a 321 kW photovoltaic solar array that ranks as the largest public solar installation in Arkansas. The energy performance contract is also the largest of its kind completed under the AEPC Program.



### Spotlight on Arizona

**September 22, 2017** -- The City of Peoria made a giant leap toward reaching its sustainability goals by



entering into a GESPC to make 16 existing city facilities more energy efficient.

In 2016, Peoria's Sustainability Action Plan was adopted and ratified by mayor and council. The plan outlines specific goals and initiatives centered on reducing energy costs, conserving resources, implementation of smart water principles, an extensive education component, and even transforming the way the city

designs, operates, and maintains facilities.

### Spotlight on Montana

**August 19, 2017:** The Montana Department of Environmental Quality launched its Energy Performance Contracting Virtual Assistant website.



### Spotlight on Michigan

**August 18, 2017:** The Gerald R. Ford Presidential Museum in Grand Rapids has installed 720 new solar panel modules. The museum says the solar panels are expected to reduce annual energy costs by some \$23,000 - offsetting 19 percent of its energy bill. The projected is funded under a GESPC with the work being undertaken by Honeywell International.



### Spotlight on Massachusetts

**August 17, 2017:** Worcester City officials and Quinsigamond Village neighborhood flipped a ceremonial switch on its 28,600 solar panel array that is projected to save the city \$60 million over the system's 30-year life span. The \$27 million project is expected to pay for itself in six years. The city signed a GESPC with Honeywell in 2011 that targeted bringing renewable energy to 92 city-owned facilities. The solar project was part of a larger GESPC project that also included replacing 14,000 streetlights with LED bulbs.



### Spotlight on New York



**July 12, 2017:** Warwick Valley School District held a ground-breaking ceremony to celebrate the start of construction of its solar power system on the campus of Sanfordville Elementary School. The 2,419 kilowatt system, funded by a GESPC, will be the largest school solar array in the state. The system will produce enough electricity to offset the district's entire electricity bill, saving the district approximately

\$250,000 a year.

## Spotlight on Colorado

**June 5, 2017:** The Colorado General Assembly passed HB 17-252 during the 2017 legislative session. Prior to passage, Colorado allowed boards of political subdivisions to enter into energy cost-savings contracts for utility cost savings. However, utility cost savings were defined in law as an installation, modification, or service that is designed to reduce energy consumption and related operating costs in buildings and other facilities. New language adopted by the legislature expands the definition to include meter accuracy. The new law states: "Meter Guarantee" means a stipulated or agreed upon increase in billable revenues to result from the guaranteed increase in meter accuracy, based on stipulated or agreed upon components of a billable revenue calculation in a utility cost-savings measure. The bill also clarifies that operation and maintenance cost-savings calculations must be made on net basis. The bill was signed into law by Governor John Hickenlooper.



## Spotlight on Georgia

**March 2, 2017:** Georgia World Congress Center Authority (GWCCA) unveiled upgrades to the Atlanta convention center that are expected to cut energy costs and reduce the Center's carbon footprint by 39 percent annually, saving more than \$2.5 million in the first year alone.

The GWCCA funded the \$28 million project through the Georgia Energy

Savings Contracting Procurement program, making it the state's largest stand-alone energy performance contract and the nation's largest for any public assembly venue.

## Nevada ESC Chapter workshop highlights state's Audit Assistance Program

**February 22, 2017:** The Nevada ESC Chapter, together with the Governor's Office of Energy (GOE), facilitated a half-day workshop at Reno's Innovation Center. The workshop focused on performance contracting and the benefits of utilizing GOE's Performance Contract Audit Assistance Program (PCAAP). Since the inception of PCAAP in 2014, the GOE has



awarded \$1.1 million to accelerate performance contracting and expects to provide more than \$890,000 in incentives to offset the costs of an investment grade audit that led to \$38.3 million in GESPC in FY 2018.



## Spotlight on Michigan

**February 18, 2017:** The City of Marquette became the first city to use the state's energy conservation financing law when it approved a GESPC with JCI. Michigan enacted legislation in June 2016 to allow tax-exempt lease purchase agreements. TELP agreements allow governments to avoid accruing debt and are paid through annual appropriations that can be suspended if there is dissatisfaction with the purchase. TELP agreements cannot

exceed the useful life of the item purchased and are renewed annually during budget deliberations.

## Spotlight on Illinois

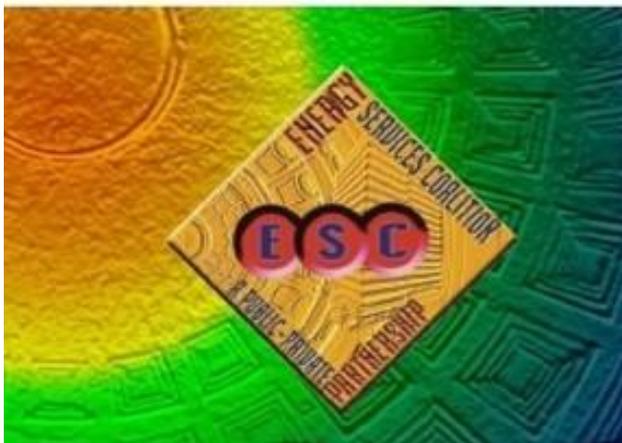
**January 7, 2017 --** A new report shows Cook County has reduced greenhouse gas emissions linked to energy usage in county buildings by 22 percent over the past five years. The county says its ahead of its goal to reduce emissions from its buildings by 80 percent by the year 2050. Twelve of the county's nearly 200 buildings had some energy efficiency updates including a \$24 million GESPC at the Stroger



Hospital campus and \$36 million GESPC at Department of Correction facilities. The upgrades will save about \$4 million a year in operational and utility costs over the 20-year contract.

## ESC Chapter recognizes Energy Stewardship Champions

**2017:** The Energy Services Coalition Energy Stewardship Champion awards were given to 12 states in 2017. Champion states were recognized for a combination of their political leadership, programmatic design, and the amount of private sector investment in GESPC in their state. The 2017 Champion states include: Pennsylvania, Georgia, Colorado, Massachusetts, Delaware, Kentucky, New Mexico, North Carolina, Hawaii, Washington, Virginia and Ohio.



New Mexico, North Carolina, Hawaii, Washington, Virginia and Ohio.

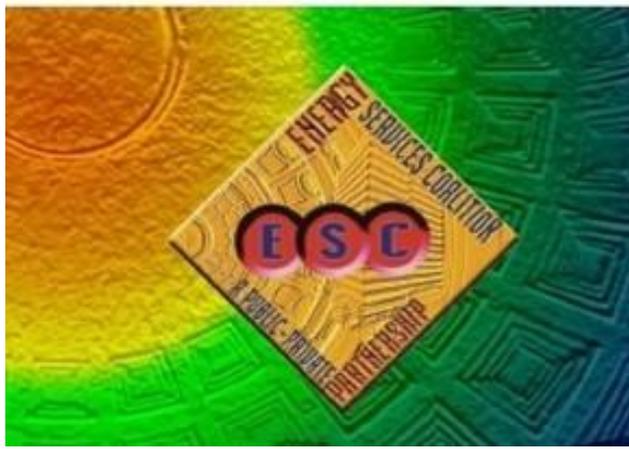
The Champion states were determined through an Program Assessment interview completed by 35 states. The Assessment reflected the key attribute adoption per state and investments in GESPC. The data obtained through the Assessment provided insight into the trends for developing and maintaining programs throughout the country. An analysis of this work effort has been posted to the [ESC website](#).

## ESC provides website support for all State Chapters

**2017:** With support of the US Department of Energy, the ESC has developed web pages for all State Chapters. The ESC also developed and maintains State Chapter Facebook pages. These pages are continually updated with new materials or items.

As part of each state chapter webpage the ESC has established "At A Glance" -- information on all things GESPC for each state with a chapter.

These pages have helped establish the ESC as the one-stop shop for state specific information on GESPC.



## 2016 . . .



### Spotlight on North Carolina

**Dec 19, 2016:** North Carolina State University has reduced campus energy use by 33 percent and water use by 50 percent per gross square foot since the early 2000s despite a more than 50 percent increase in campus square footage. Among the largest single contributors to campus energy reduction is the addition of energy-saving cogeneration technology at NC State's Cates Utility Plant in 2012 funded by an GESPC contract.

### Spotlight on New Mexico

**Nov 14, 2016:** New Mexico State University is expected to save more than \$1.3 million as a result of a GESPC with Ameresco. Completed in December 2015, the project features a solar installation that generated 51% of NMSU's power during 2016, meaning the university has produced more power than it has bought from El Paso Electric.



### Spotlight on Delaware

**October 24, 2016:** Delaware officials unveiled plans designed to reduce energy costs at National Guard facilities around the state. The 20-year plan, called a Guaranteed Energy Savings Agreement, is expected to cut fossil fuel consumption at the facilities by 38 percent and save the Delaware



National Guard \$6 million in energy costs over 20 years. It was implemented through a GESPC with Siemens and funded through a loan from the Energize Delaware's Revolving Loan Fund program.

## ESPC Accelerator States Recognized

**August 22, 2016:** Dr. Kathleen Hogan, Deputy Assistant Secretary for Energy Efficiency, U.S. Department of Energy, recognized the commitment of nine states in attendance at the 5th Annual ESC Market Transformation Conference for their efforts in promoting GESPC.



Dr. Hogan recognized the states as partners in the DOE's ESPC Accelerator Program, and each state's pledge toward reaching the Department's \$2 billion goal for public-sector energy efficiency GESPC investments at the state and local level. The states recognized included: Alabama, Colorado, Massachusetts, Minnesota, Montana, New Mexico, North Carolina, Virginia and New Hampshire.



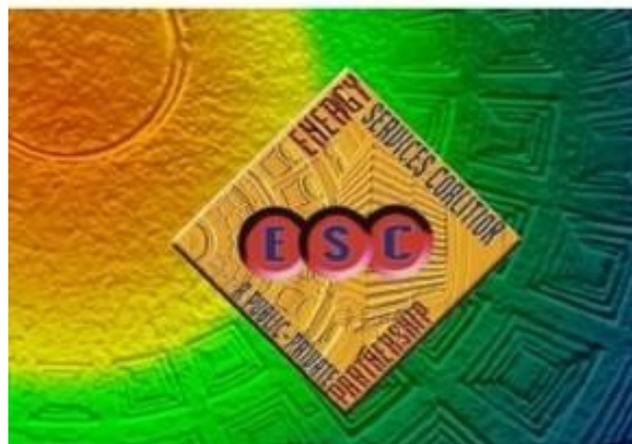
## Spotlight on Colorado

**August 1, 2016:** Colorado hit a significant GESPC milestone when the state joined four other states in the ESC's Race to the Top "Half Billion-Dollar Club." The milestone was achieved when a GESPC project was completed at the Hillcrest Care Center, a community nursing home in Wray, Colorado. Two years earlier, before entering a GESPC, the Hillcrest Care Center faced closure,

which would have forced 70 elderly residents to move over 100 miles to the closest facility.

## Minnesota ESC Chapter host Corrections workshops

**July 16, 2016:** The Minnesota ESC Chapter is hosting a series of GESPC workshops for the Minnesota Department of Corrections staff. The Minnesota ESC Chapter partnered with the MN DOC in order to create a strategic plan and develop customized workshops for each of MN DOC's audiences. The committee focused topics and content for each of the stakeholder groups, then identified Correction peers to present to the workshop attendees. Workshop topics include: energy efficiency opportunities, training, budgets, baseline



determination, measurement and verification, guarantee, and best practice/lessons learned from other correctional facilities that have implemented a GESPC project.



## Spotlight on South Carolina

**May 4, 2016:** The South Carolina Office of Regulatory Staff, Energy Office, held its third in a series of workshops on GESPC in Columbia, South Carolina on May 4th. This year's workshop was expanded to include local government performance contracts, with a case study of Horry County's project, and a discussions of measurement and verification led by Dale Hahs of the ESC and Rich Penner of Ingersol Rand.

## Utah launches ESC Chapter

**April 19, 2016:** The Utah ESC Chapter had its official kick-off meeting on April 19. Seventeen attendees from both the private and public sector were in attendance. The Chapter elected Shawna Cuan of the Governor's Office of Energy Development and Mark Cram of Siemens as its Chapter Co-Chairs. The Chapter has adopted the task of developing a plan of action and strategies for the next year. The Chapter is also participating in the upcoming Utah Governor's Energy Development Summit at the Salt Palace in Salt Lake City on May 24th and 25th. The Chapter will have a booth at the event that historically has nearly 1500 people.



## Alabama ESC hosts workshop

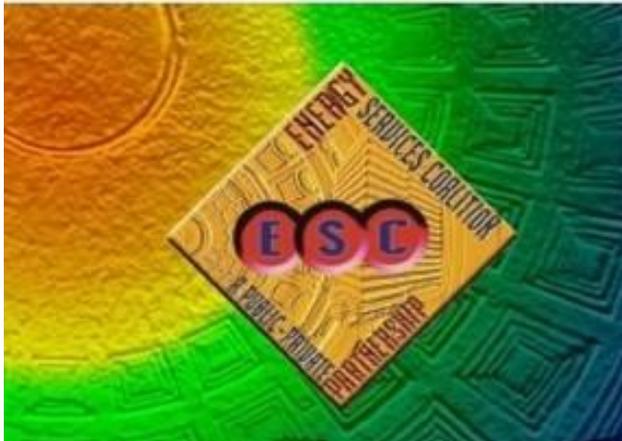
**March 22, 2016:** MARCH 2, 2016 – The Alabama ESC Chapter hosted an Energy Efficiency and Performance Contracting Workshop at the Central Alabama Electric Coop Auditorium in Prattville, AL . Eighty participants attended and learned about energy efficient options available for lighting/controls, water, and HVAC as well as how Energy Saving Performance Contracting can be used as a procurement method. Decision-makers from state agencies, K12

schoolsystems, higher education/post-secondary institutes, and other local government entities throughout the state were in attendance.

## Spotlight on Georgia

**Feb 1, 2016:** The Georgia Environmental Finance Authority (GEFA) announced the University System of Georgia (USG), the Georgia World Congress Center

(GWCC), and the Georgia Department of Corrections (GDC) have entered into energy performance contracts that will provide energy and water savings of approximately \$113.9 million over the life of the contracts.



## Kansas ESC Chapter provides educational presentation to Legislative Committee

**Jan 28, 2016:** The Kansas Legislative Sub Committee on the Facility Conservation Improvement Program (FCIP) held a hearing on January 28th to discuss performance contracting in the state and the status and future of the FCIP. Committee members heard educational presentations on

the history of performance contracting and how it works.

The ESC Executive Director, Jim Arwood, penned an educational Op-Ed that appeared in the Saturday, January 23, 2016 edition of The Hutchinson News. The News is one of the larger newspapers in Kansas and is part of the Harris Enterprises Inc. that operates four other daily newspapers in the state (Garden City Telegram, Hays Daily News, Ottawa Herald, and The Salina Journal).

## ESC Chapter contemplates forming sub-Chapters in Florida

**Jan 22, 2016:** The Florida ESC Chapter held an organizational meeting on January 22 in Tampa. The Florida ESC Chapter is considering establishing sub-Chapters in the state to serve geographic areas such as southern and northern parts of the state. Currently, the Florida ESC Chapter has 25 active members located throughout the state, including public sector representation by the Florida Department of Agriculture and Consumer Services -- Office of Energy.



## Spotlight on Kentucky

**Jan 12, 2016:** The Auburn Elementary was awarded ENERGY STAR certification for its school buildings. Auburn Elementary received this recognition after implementing a variety of energy and



maintenance savings techniques through a GESPC in 2011 and additional improvements in 2015, saving the district \$1,343,676 in energy usage avoidance.

## 2015 . . .

### Spotlight on Colorado

**Dec 19, 2015:** The City and County of Denver entered into its first-ever energy performance contract. Denver's GESPC includes 88 energy efficiency improvements to 14 of the city's most energy intensive buildings, including four recreation centers, four libraries, three fire stations, and the 911 CallCenter. Through these improvements, the city is guaranteed to save over \$2.4 million in 15 years.



### Spotlight on Minnesota

**Dec, 2015:** Hutchinson's 400-kilowatt solar array is now operational. The electricity will supply 12 to 15 percent of the power needed to run the city's adjoining wastewater treatment plant. Almost two-thirds of the cost of the \$1.5 million array was covered by a \$958,000 Renewal Development Fund grant from Xcel Energy. The city's share was about \$510,000 funded through a GESPC.

### Spotlight on Illinois

**Dec, 2015:** A push to upgrade Decatur water meters is nearly 98 percent complete. The project includes the replacement of more than 30,000 water meters as part of larger performance contract that was implemented in February of 2014. The meter project is the largest part of efficiency upgrades expected to save the city \$23 million over time.



### Spotlight on Florida



**Nov, 2015:** Zoo Miami is about to bank on its zoodoo. To boost its sustainability, the zoo was one of 35 county facilities included in a \$9.5 million GESPC. The zoo will turn animal and plant waste into super-rich composted material in just four days. The GESPC will reduce the county electricity consumption by 20% from 2007 levels and reduce energy density by 2020 by 20% from 2009 levels.

## Spotlight on Arizona

**Nov, 2015:** When the sprinklers come on in the Washington Elementary School District, you can bet the soil needs a drink. The district has planted wireless irrigation controllers that measure moisture in the soil ensuring the system only turns on when it's needed. The irrigation system is part of a 15-year GESPC. In a 14-month period, from April 2014 - June 2015, the district saved \$200,000 on its water bills in comparison to the previous 14 months.



## Spotlight on Florida

**Nov, 2015:** Miami International Airport is investing roughly \$32 million through an GESPC in electricity and water upgrades over the next two years that will save MIA more than \$40 million in electric and water bills over 14 years. The GESPC guarantees MIA annual savings topping \$2.2 million in electricity and water use during that time. The GESPC is one of the largest ever in Florida.

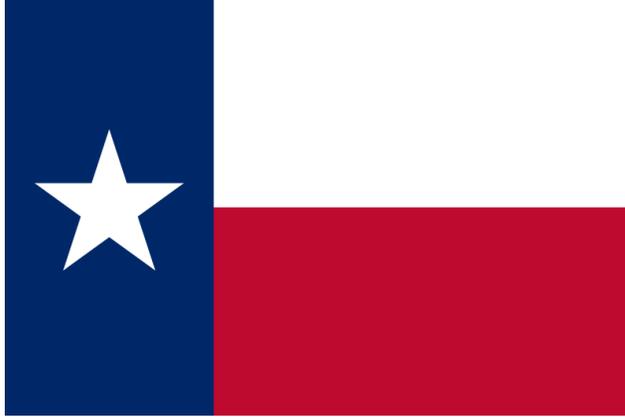
## Delaware ESC Conference highlights

**Oct 21, 2015:** Thomas Cook, Cabinet Secretary for the Delaware Department of Finance, announced the state will finance energy efficiency projects in 2016 through a Delaware Sustainable Energy Utility Energy Efficiency Bond Issue. The announcement was made as part of the Delaware ESC Chapter's Energy Conference. The state has set a goal of funding \$75 million in energy saving performance contracts for state agencies and school districts.



## Spotlight on Texas

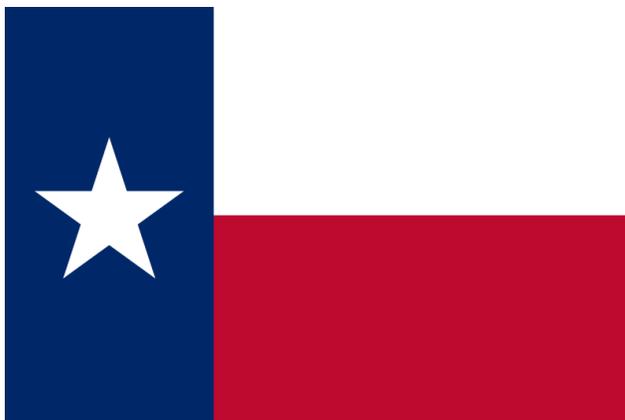
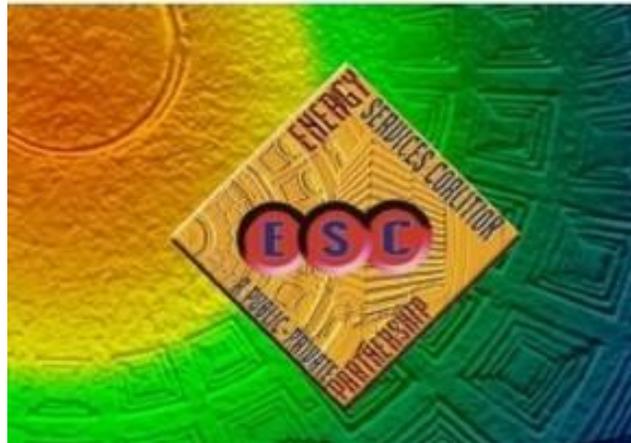
**Oct 6, 2015:** The Water Environment



Research Foundation recognized the City of Fort Worth's Village Creek Water Reclamation Facility with its Award for Excellence in Innovation for the implementation of a series of sustainable facility upgrades. VCWRF executed a \$35-million 12.5 year GESPC with the goal of energy neutrality through improving facilities. As of 2015, this project has reduced annual electrical consumption by 39%.

## Alabama re-launches Chapter

**Sept 24, 2015:** Following several years of relative inactivity the Alabama ESC Chapter reorganized. Energy Division of the Alabama Dept. of Economic & Community Affairs (ADECA) leaders Mary Blackmon, Elizabeth Grimes and Karl Frost hosted a kickoff meeting to reactivate the Alabama ESC Chapter. The meeting included discussion topics on the current Performance Contracting needs in the state and ADECA's role in facilitating outreach and organizational priorities.



## Spotlight on Texas

**Sept 1, 2015:** New bills passed by the Texas Legislature are now in effect. One bill amends the Local Government Code to expand coverage of the energy savings performance contract provision, which allows local governments to finance contracts to install efficient systems through a guarantee of future savings, to include alternative fuel programs for fleet vehicles and programs resulting in utility savings.

## ESC promotes new programs

**Sept 1, 2015:** Through a new Cooperative Agreement with U.S. Department of Energy, the ESC has launched several new programs to provide education and promotion for GESPC. Under the cooperative agreement the ESC is offering technical assistance to help states implement or enhance their performance contracting programs to accelerate and deepen the retrofit process. As part of this effort, a



milestone was reached on August 28 when the ESC Board of Directors approved an updated list of "[Key Attributes for Program Readiness.](#)" The list represents the ESC's recommended preconditions upon which to build or expand a GESPC program at the state level.

The ESC's Key Attribute concept was developed more than a decade ago in response to an LBNL study that proposed "the adoption of accelerated program design practices is essential to overcome barriers to implementing energy efficiency programs."



### Spotlight on North Carolina

**Aug 31, 2015:** The \$6.2 million in energy efficiency retrofits being made throughout most of the Hoke school system in Sandy Grove - are being paid for by guarantees of \$8.1 million in energy savings over the next 15 years. At a ceremony at Sandy Grove Elementary, Hoke Superintendent Freddie Williamson said the performance contract method was the only way the low-wealth school system could finance needed work without increasing taxes

or debt. He said it also allowed the school system to pursue its goals of having comfortable classrooms that are conducive to learning along with 21st century energy efficiency.

### Spotlight on New Mexico

**Aug 8, 2015:** Just 10 months into a GESPC, New Mexico State University is seeing big savings in its utility bills. The campus has seen a 17 percent in savings in the campus' electrical use, and about 25 percent in heating, ventilation and air conditioning. Contract work is still being conducted, but the university has realized \$1.32 million in savings to date. The NMSU Board of Regents voted last year to approve NMSU's 13-year, \$15.7 million, GESPC that allows NMSU to make improvements to 48 buildings, totaling nearly 3 million gross square feet.



### Spotlight on Delaware

**June 9, 2015:** Glasgow High School and Gauger-Cobbs Middle School are going green. The Christina School Board approved participation in a GESPC with funding through the Delaware Sustainable Energy Utility and in coordination with the state to achieve the governor's energy efficiency goals. The GESPC will result in \$5 million in comprehensive energy upgrades.



### Spotlight on New Mexico

**May 31, 2015:** New Mexico's energy efficiency program for government entities. WISE, which stands for

Whole-building investments for Sustainable Efficiency, has added seven ESCOs to its list of pre-qualified vendors. WISE, coordinated by the Energy Conservation and Management Division of the Energy, Minerals and Natural Resources Department, provides a standardized process for government entities, including state agencies, public school districts, public colleges and universities and municipal and county governments to implement energy performance projects.



### Spotlight on New Hampshire

**May 19, 2015:** The GESPC at Stevens High School is nearing completion. The 17 year GESPC will save the district \$234,000 for heat, water, sewer and electric in the first year. Total payments under the contract will total over \$5.5 million over 17 years with a projected savings of \$6.3 million. A May 19th celebration is scheduled to observe the project completion with Gov Hassan expected to attend.

### Spotlight on Georgia

**April 19, 2015:** The first state energy retrofit using a GESPC is complete. Georgia voters passed a constitutional amendment in 2010 with overwhelming support that established a way for the state to pay to install energy-saving devices through a GESPC contract. Phillips State Prison is the first state entity to complete the installation of equipment under the GESPC law. Another \$80 million in projects is in the pipeline.



### Spotlight on New Hampshire

**March, 2015:** York would like to be among the first in the state to switch its 830 streetlights entirely to LED lights, and have put forth a GESPC proposal to make the switch. The town's Energy Steering Committee estimates it could immediately save the town up to 25 percent of the \$131,000 it spends now on street lights, and over time save 60 to 80 percent of that cost.

Coming tomorrow . . .

# Part II -- Countdown 2014 to 2010

Energy Services Coalition | [www.energyservicescoalition.org](http://www.energyservicescoalition.org)