



SCEP

STATE & COMMUNITY ENERGY PROGRAMS

Webinar ESPC Resource Tour

July 8, 2025



**ENERGY SERVICES
COALITION**

A Public Private Partnership

www.energyservicescoalition.org



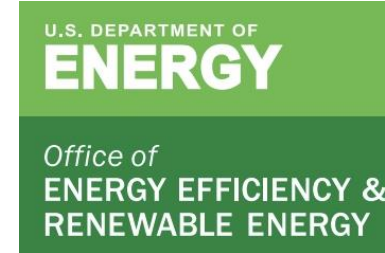
Virtual Housekeeping



Drop your questions in the Chat or Q&A Box

Agenda

Learning Objective: There are a lot of resources to aid the MUSH Market as well as the Private Sector through ESPC program development. During this webinar we take you on a tour through currently available ESPC resources from these organizations and sites:



Introductions

Speakers



Dub Taylor
Executive Director,
Energy Services Coalition
dtaylor@energyservicescoalition.org



Chris Halpin
Celtic Energy, PLLC
ESC Consultant
chalpin@energyservicescoalition.org

About ESC

The Energy Services Coalition (ESC) is a national nonprofit organization composed of a network of experts from a wide range of organizations working together at the state and local level to increase energy efficiency and building upgrades through **E**nergy **S**avings **P**erformance **C**ontracting.

Local chapters; public and private sector individuals coming together to provide outreach and education.



Resources Walk-Through

You might be wondering...

- "What is ESPC?"
- "What scope items are possible within an ESPC program?"
- "How do I get started?"
- "How do I engage stakeholders (internal and external)?"
- "How are ESPC projects financed?"
- "Who are typical project partners?"
- "Are there lessons learned?"
- "What is an ESCO?"
- "How can grants be applied towards a project?"
- "Is there a step-by-step guide to ESPC?"
- "Does my state allow ESPC?"
- "Are there sample template documents we can use and modify?"
 - RFX, IGA, etc.
- "Where can I find examples of past projects?"
- "How do I measure and guarantee savings?"

*You can find answers to these questions via various published, verified resources.
Let's take a look...*

Better Buildings

Better Buildings is an initiative of the U.S. Department of Energy (DOE) designed to improve the lives of the American people by driving leadership in energy innovation. Through Better Buildings, DOE partners with leaders in the public and private sectors to make the nation's homes, commercial buildings, and industrial plants more energy-efficient by accelerating investment and sharing successful best practices.

Types of resources you'll find here:

- Comparison of ESPC to Design-Bid-Build
- ESPC Preliminary Diagnosis Tool
- ESPC Fact Sheet
- ESCO Market Study
- Legislation Library



Preliminary Self-Diagnosis

Does your facility have more than 50,000 square feet of floor area?

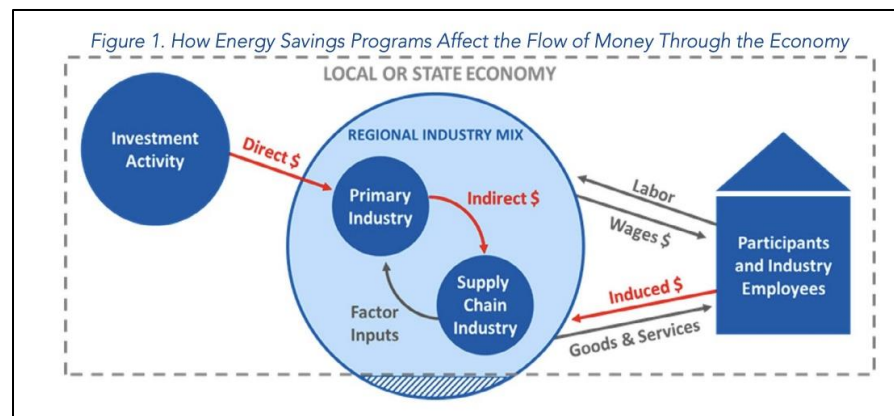
Do you spend more than \$60,000 each year on energy bills?

If so, an energy performance contract may work for you. It is likely to benefit you even more if you have:

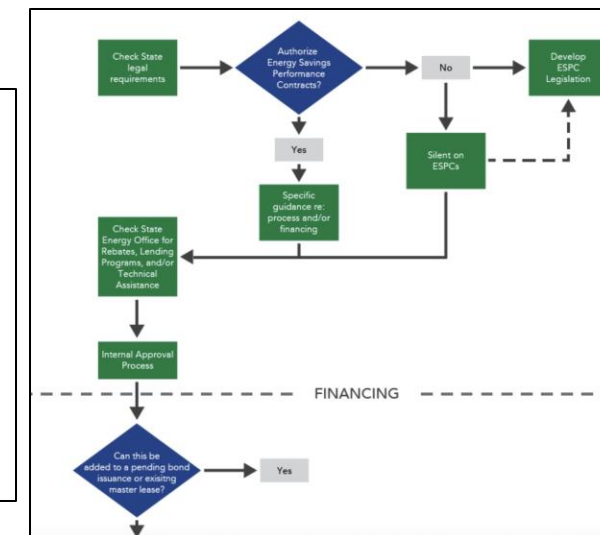
- Aging buildings or equipment
- Recurring maintenance problems or high maintenance costs
- Comfort complaints
- Scarce budget resources
- Too little energy management expertise
- Too many demands on your maintenance personnel
- No recent upgrades of your lighting or controls systems
- Energy-using equipment that is ready for replacement

ESPC Preliminary Diagnosis Tool

Answers to this quick list of questions might help you determine whether ESPC is the right solution for your energy efficiency goals.



This information sheet outlines the key elements needed for an **economic impact analysis**. Statistics on the economic impact of energy savings projects help tell the story of an effective energy savings performance contracting (ESPC) program or compare the anticipated benefits of a program to those of other investment options.



ESPC Financing Decision Tree

This flowchart walks users through questions corresponding to the considerations that go into deciding on the financing options available for state and city government ESPC projects. The tool includes a mini-glossary of each financing type. Click on individual financing options below the dashed financing line to get a description of the option and some pros and cons to consider.

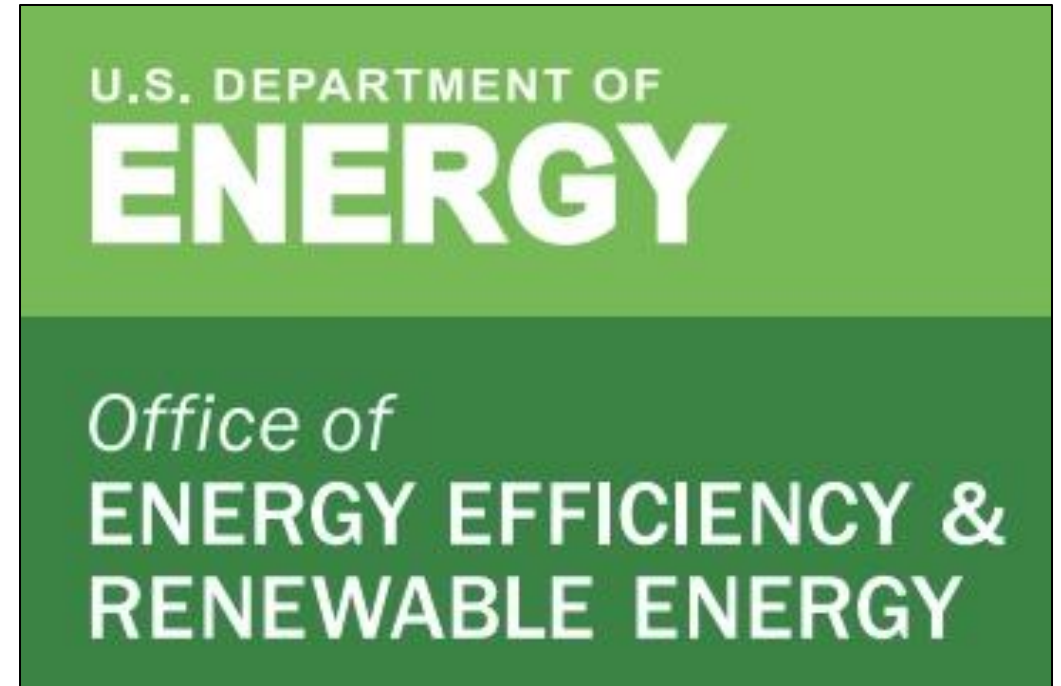
US Department of Energy

Office of Energy Efficiency and Renewable Energy

EERE is working to ensure that all Americans benefit from energy innovation. Part of Office of the Under Secretary for Science and Innovation, EERE supports the advancement of energy technologies and processes through core mechanisms.

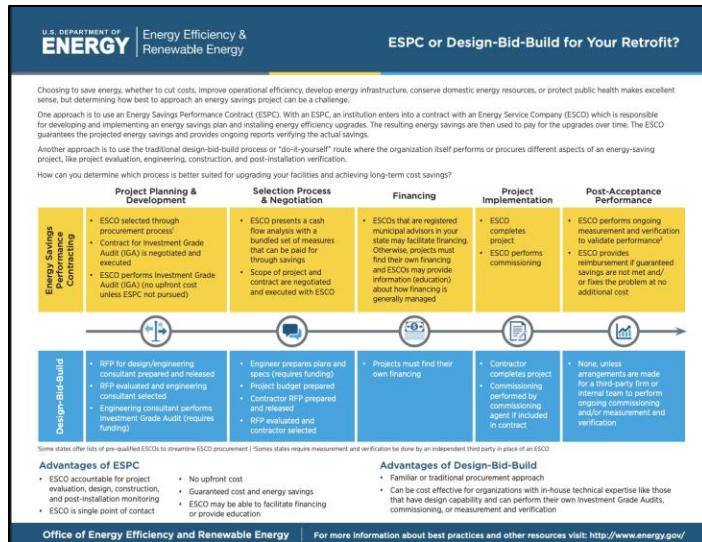
Here you can find resources related to these core mechanisms:

- Funding
- World-class research and development
- Technical assistance
- Developing our brain trust



US Department of Energy

Office of Energy Efficiency and Renewable Energy



M&V PROVIDES THE PROOF

ESPCs require the documentation of project energy savings and sometimes other impacts, such as water or O&M savings. The documentation is accomplished by either: (1) confirming proper installation and then stipulating savings¹ or (2) M&V activities over a period of time (often for at least several years) as specified in the ESPC project contract. The most widely used M&V methods are the four options (A, B, C, and D) described in the industry-standard International

Understanding Your ESPC Savings Guarantee

This guide summarizes some of the important aspects of savings guarantees in energy savings performance contracts (ESPCs) and includes links to reference documents for readers who want more detail. Many ESPC customers look at the savings guarantee, and the methods used to verify whether the project is meeting it, as a simple calculation. In fact, the measurement and verification (M&V) of an ESPC savings guarantee is similar to a good financial audit: it verifies whether the project is producing the guaranteed savings, identifies specific areas of concern that may require attention, and may highlight opportunities for additional savings.

Definition of Savings

Savings in a performance contract, in their simplest form, may be defined as: *Pre-project energy and water usage and related operations and maintenance*

to be agreed upon by the customer and energy service company (ESCO)¹.

The pre-project utility usage, O&M, and sometimes other relevant expenses (e.g., planned capital costs) are captured in a calculation called the baseline, which factors in historical utility usage and O&M expenses for the equipment that the project will replace or retrofit. A baseline may be established for the facility's entire usage of a given utility (such as electricity or natural gas) or it may be focused solely on the consumption of one system or piece of equipment the ESCO plans to upgrade (in which case there can be many individual baselines). Baseline calculations rely on a set of variables, such as weather and occupancy, which influence utility usage (these are described in detail on page 2). Customers and ESCOs should be sure that they have a clear, mutual understanding of the project's baselines and the factors that go into them.

Measurement of Project Savings

in each measure's M&V approach. The following examples illustrate some of the considerations.

Simpler Retrofits: In a basic lighting project, the risk of not achieving savings and the potential for discovering additional savings opportunities are relatively low. Consequently, the ESCO and customer could agree to a pre- and post-retrofit measurement of key variables (e.g., the number and wattage of the fixtures) to be performed by the ESCO and witnessed by the customer. If the lighting retrofit involves the extensive use of sensors or a building automation system (BAS) that automatically turns fixtures on and off or adjusts brightness, the M&V might require continuous monitoring through meters, as well as more ongoing analysis of metered data and other factors.

Comprehensive Projects or Substantial Renovations: If the lighting retrofit is part of a comprehensive project with multiple measures, the M&V approach may involve building a model of the

This illustrated fact sheet enables users to decide whether ESPC or design-bid-build is more suited to their planned retrofit project by comparing the development, management, and outcomes of each approach.

This document highlights the substantial, cost-effective benefits of incorporating well-documented measurement and verification (M&V) of savings in state and local ESPC projects.

This document examines the savings guarantee in energy savings performance contracts (ESPC) and provides a list of resources for more detail.

Lawrence Berkeley National Laboratory (LBNL)

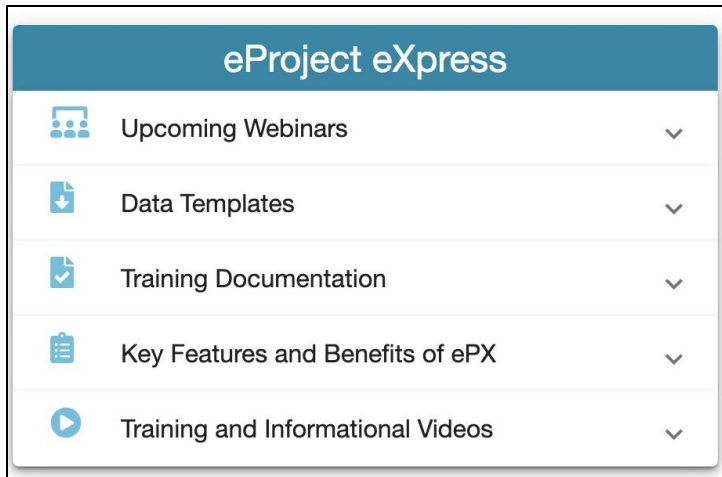
LBNL's research focuses on discovery science and solutions for abundant and reliable energy supplies. LBNL's six research areas contribute unique expertise that supports the DOE's mission, advances scientific understanding, and addresses the most urgent challenges of our time.

LBNL developed and maintains (on behalf of the U.S. Department of Energy (DOE) eProject Express(ePX).

ePX is a free, secure, web-based system that enables states, agencies, institutions and ESCOs to preserve, track, and report information for their project or portfolio of energy services projects.



Contact: Dana Robson
drobson@lbl.gov



Training guides and videos, including new Quick-Start guides, Legacy Data Guides, and specific documentation aimed at ESPC Campaign partners.

Coming soon: Under the Training and Informational videos section, we are adding new "mini-training" videos to assist new users in getting started with ePX. When completed this will be a series of eight videos, which are in progress for completion and posting over the next few months.



Deep-Dive Training from January 2025.
([Slides here](#))

NASEO is the only national non-profit association for the governor-designated State Energy Directors and their offices from each of the 56 states and territories. Formed by the states in 1986, NASEO facilitates peer learning among state energy officials, serves as a resource for and about State Energy Offices, and advocates the interests of the State Energy Offices to Congress and federal agencies.

Resources you can expect to find here:

- Data and Resources for State Energy Offices on how they can best support local energy efficiency programs, especially the MUSH market
- Publications and research regarding economic growth, job creation, and other impacts of energy programs
- Updates on energy related issues and policies
- Information on each State's Energy Office



Contact: Sam Cramer
scramer@naseo.org

Energy Efficient and Healthy K-12 Public School Facilities:

Opportunities for State Energy Offices and
State Education Agencies to Collaborate
2024



This report focuses on the strategic partnerships between State and Territory Education Agencies and State and Territory Energy Offices. Collaboration among these agencies can help states better support energy efficient and healthy school facilities by lowering utility and maintenance costs for schools and improving the learning environment for students

Securing the Energy System and Powering-Up the Grid for Economic Development and Affordability:

State Actions Using State Energy Program Formula Funding

The U.S. State Energy Program (SEP) delivers formula funds provided by Congress to the governor-designated State Energy Offices in every state and territory in the nation to address energy emergency preparedness and response, develop new energy resources with the private sector, and demonstrate innovative technologies. SEP is the only program administered by the U.S. Department of Energy (DOE) that provides resources directly to states for their governors to strategically implement their energy priorities and harness energy opportunities while also supporting the national energy goals of Congress and the Administration. While each state uses SEP funds to meet their unique energy development opportunities, all states use a portion of their SEP formula funds to:

- Plan for and respond to energy emergencies resulting from physical and cybersecurity threats – savings lives and livelihoods;
- Advance electric grid and natural gas planning and infrastructure optimization with the private sector to meet growing energy needs and support economic development;
- Address energy sector affordability; and
- Demonstrate innovative energy technologies.

US State Energy Program:
Stories of Impact and Innovation from 50 States

STATES AND CLEANTECH INNOVATION

An Examination of State Energy Offices'
Roles in Clean Energy Technology-Based
Economic Development



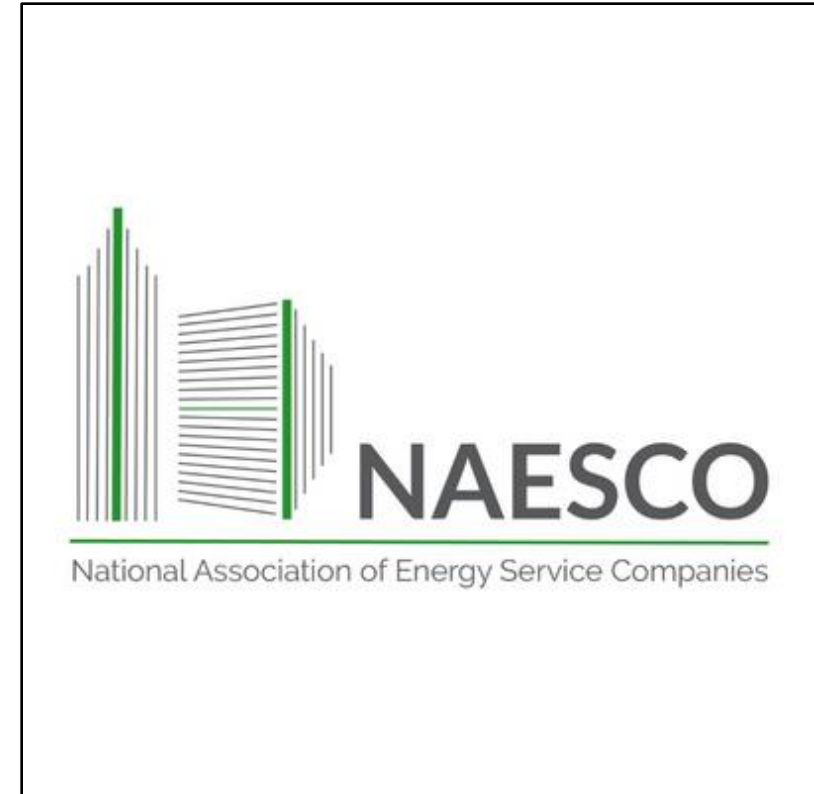
This report draws on the principles of technology-based economic development, as well as ways states have invested in energy technology innovation and commercialization, to shed light on strategies that states can use to realize the long-term job creation, revenue generation, and environmental benefits of clean energy technologies

NAESCO

The National Association of Energy Service Companies, (NAESCO) is the leading advocacy and accreditation organization for Energy Service Companies dedicated to modernizing America's building infrastructure through performance contracting.

NAESCO provides support through:

- Advocacy – finding pathways to make business happen, and to solve problems that arise
- Engagement – actively involving ourselves in the energy community to encourage cost-effective solutions to infrastructure improvement
- Training – providing workshops, webinars and conferences that will educate providers and users of energy services
- Support – developing solutions to direct problems that arise on projects and issues our membership encounters
- Accreditation and Awards for ESCOs and ESPs



Contact: Tim Unruh
timothy.unruh@naesco.org

Past Winners




- 2024:
- Member Award, Ameresco
 - Member Award, ENGIE Services U.S. Inc.

- 2023:
- Historic Community Impact Award, Centrica Business Solutions
 - Member Award, McClure Company
 - Member Award, Lighting Services

- 2022:
- Member Award, Performance Services
 - Member Award, Excel Energy Group
 - Member Award, ECM Holding Group

- 2021:
- Member Award, Johnson Controls

The Award Program recognizes the accomplishments of member companies.

WED	July 16		Denver Regional Meeting (For NAESCO Members Only) WA, OR, CA, AZ, NV, NM, CO, UT, ID, WY, MT 11:00 AM - 4:30 PM This meeting is to strategize an approach for each state being considered. It is recognized that some states have more/less activity than others. The people/companies listed below are not expected to be presenters, but discussion ...	Register
MON	July 28		Webinar - Connected Controls, Smarter Savings: LLC and Smart Pumps in High-Performance Projects 3:00 PM - 4:00 PM This session will explore how smart technologies, both in pumps and lighting, can significantly enhance building energy performance, operational control, and long-term savings. We will discuss the general benefits of smart pumps, including ...	
WED	September 24		Chicago Regional Meeting (MN, MO, KS, WI, MI, IL, IN, OH, WV, KY, VA) - Save the Date! 11:00 AM - 4:30 PM This meeting is to strategize an approach for each state being considered. It is recognized that some states have more/less activity than others. The people/companies listed below are not expected to be presenters, but discussion ...	Register

NAESCO Events Calendar



NAESCO Accreditation

The Accreditation Process

Accreditation Categories

Criteria for Accreditation

Accreditation Companies

NAESCO offers three categories of Accreditation for companies in the energy service business: Energy Service Company (ESCO), Energy Service Provider (ESP) and Energy Efficiency Contractor (EEC).

Efficiency Valuation Organization

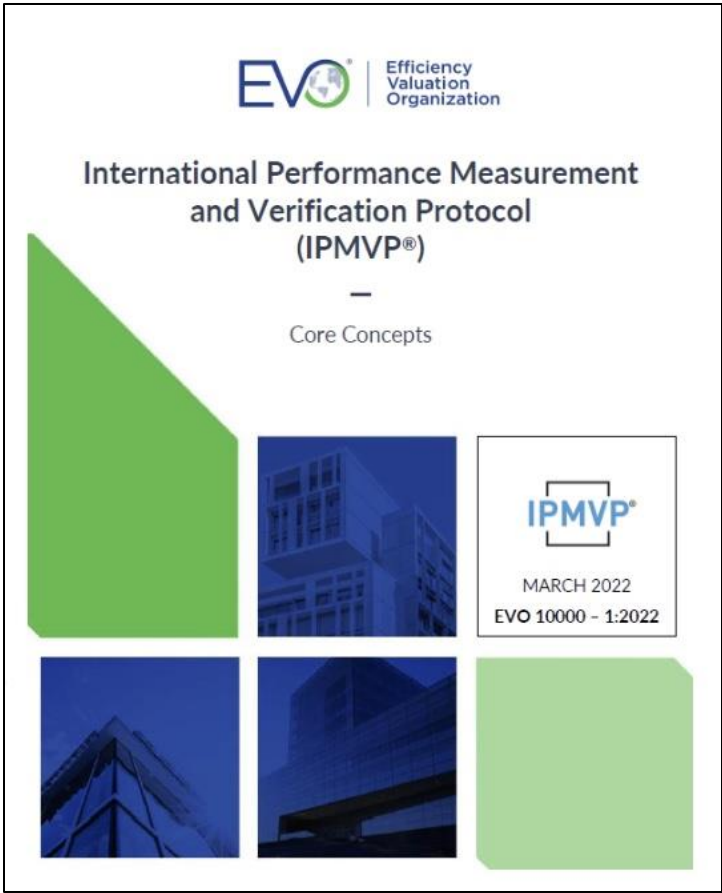
EVO is a non-profit organization whose products and services help people engineer and invest in energy efficiency projects worldwide. EVO's Mission is to ensure that the savings and impact of energy efficiency and sustainability projects are accurately measured and verified.



Resources you can expect to find here:

- About Measurement & Verification
- M&V Training, Protocols, and Certifications
- Written Guides & Reports
 - [New IPMVP Application Guide: M&V and Energy Performance Contracting for Facility Owners](#)

Contact: Denis Tanguay
Dtanguay@evo-world.org



The purpose of the IPMVP is to reduce barriers to the energy and water efficiency industries. IPMVP offers a consistent approach to measuring and verifying carbon emissions reduction in a broad range of energy sectors

Training Course Event List							
<div>👁 Toggle ▾</div> <div>📊 Group by ▾</div> <div>🔍 Filter</div>							
Training Partner	Course	Certification Track	Course Starting	Course Ending	Location	Language	Exam Format
AFNOR Compétences S.A.S.U.	M&V Fundamentals and IPMVP	PMVA™	2025-07-01	2025-07-03	Paris, France	French	Online
ESTA	M&V Fundamentals and IPMVP	PMVA™	2025-07-01	2025-07-03	Online UK	English	Online
EEVS Insight Ltd.	Introductory M&V Training	No Certification	2025-07-08	2025-07-08	London, UK	English	Online
AEEE	M&V Fundamentals and IPMVP	PMVA™	2025-07-24	2025-07-26	India, Online	English	Online

EVO offers a full range of M&V related training programs ranging from a one-hour introductory workshop to several days advanced training. Our programs are delivered by highly skilled instructors. EVO-approved instructors are M&V experts authorized by EVO’s Training Committee to provide trainees with M&V trainings. Instructors have a teaching background and experience in the field of M&V. They are approved by the Training Committee and must renew their instructor status periodically.

US Department of Energy

State and Community Energy Programs (SCEP)

The US Department of Energy's Office of State and Community Energy Programs supports a wide range of stakeholders by investing in place-based strategies that accelerate the development of innovative energy technologies to bolster communities, create jobs, save money, and strengthen energy independence and resiliency.

SCEP empowers states, local governments, Tribal Nations, nonprofit organizations, public schools, community partners and more to build local capacity to deliver the tangible benefits of sustainable energy to their communities. SCEP's investments include formula grants, competitive grants, vouchers, awards, prizes, and technical assistance to help communities achieve their energy goals.

SCEP's **ESPC Campaign** engages both public and private sector stakeholders through participant and supporter partnership pathways to support, expand, and enhance ESPC and cultivate a network of experienced ESPC practitioners.

What type of resources can you expect to find here?

- ESPC Campaign resources!
- Funding Opportunities
- State Energy Program Information
- Community Energy Program Information





Contact: Sean Williamson
sean.williamson@hq.doe.gov

US Department of Energy

State and Community Energy Programs






STATE & COMMUNITY ENERGY PROGRAMS

Energy Savings Performance Contracting (ESPC) Campaign

Kickoff Webinar

January 16, 2024



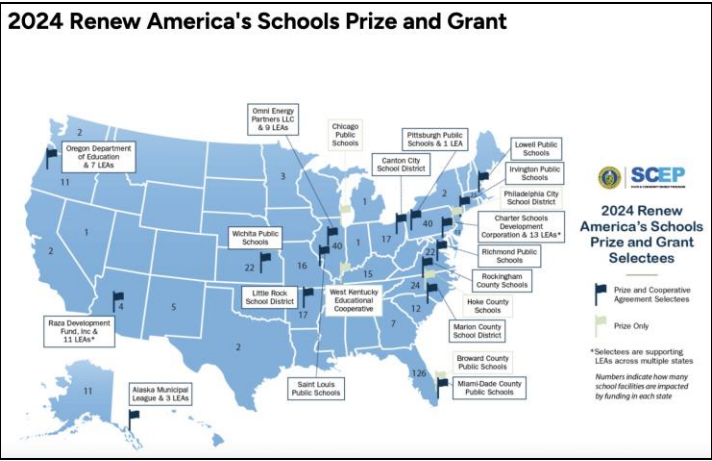
ESPC Campaign Technical Assistance Recordings
Including Workshops, Webinars, and Trainings on:

- Stakeholder Engagement
- Reviewing an IGA
- M&V and Performance Period
- Best Practices
- Financing your ESPC Program
- Resources (like this one!)

ESPC Campaign Partners

The ESPC Campaign provides two partnership pathways:
Participants and **Supporters**.

Join here:
[Expression of Interest form](#)
or by emailing
ESPCcampaign@hq.doe.gov



Information on past funding initiatives
such as the Renew America's Schools
Program

Federal Energy Management Program (FEMP)

FEMP builds the capacity of the Federal agency workforce to achieve efficient, secure, and resilient energy use in facilities and fleets—saving taxpayers money.

FEMP works with its stakeholders to enable federal agencies to meet energy-related goals, identify affordable solutions, facilitate public-private partnerships, and provide energy leadership to the country by identifying government best practices.

Resources you can expect to find here:

- Funding Opportunities
- Interagency Collaboration Information
- Project Execution and Financing
- Technical Assistance
- Tools & Resources
- Workforce Training



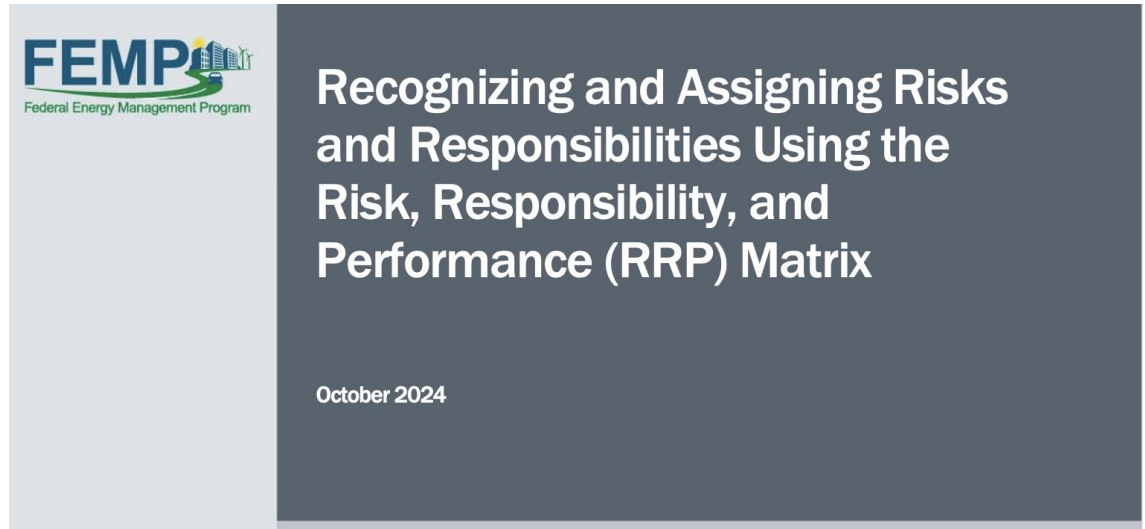
Contact: Priya Stiller
priya.stiller@hq.doe.gov

Performance Contracting National Resource Center Training Certificate

An accredited, on-demand, interactive series that offers users valuable performance contracting resources and best practices.

Training Takeaways include

- ESPC Benefits
- ESPC Process
- Best Practices
- Technical Expertise



This document offers guidance on how to recognize and assign energy savings performance contract (ESPC) risks and responsibilities using the risk, responsibility, and performance matrix, also known as RRP Matrix.

Energy Services Coalition

The Energy Services Coalition (ESC) is a national nonprofit organization composed of a network of experts from a wide range of organizations working together at the state and local level to increase energy efficiency and building upgrades through energy savings performance contracting.


Resources you can expect to find here:

- ESC Chapter Resources, Contacts, Information
- Upcoming events related to ESPC
- Case Studies
- State by State ESPC Legislation and Executive Orders




Contact: Dub Taylor

Dtaylor@energyservicescoalition.org




ENERGY SERVICES
COALITION
A Public Private Partnership

City of La Crosse,
Wisconsin

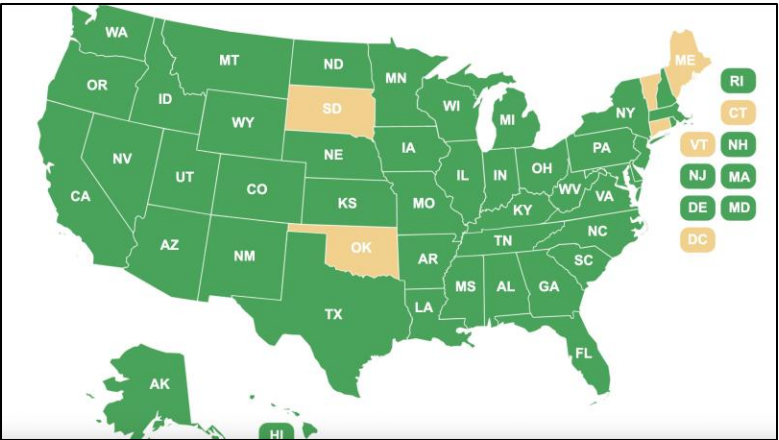


ESPC
Campaign
U.S. DEPARTMENT OF ENERGY


Recognizing that the City prioritized budget allocations for large infrastructure projects rather than sustainability initiatives, the City of La Crosse leveraged a budget-neutral ESPC project to advance its Climate Action Plan and long-term energy goals. This initiative also incorporated infrastructure upgrades, solar arrays, and deferred maintenance while reducing energy consumption. Additionally, it generated cost savings and contributed to a safer, more comfortable environment for the community.



Location and Information:	<p>City of La Crosse, Wisconsin</p> <ul style="list-style-type: none">13 Buildings addressed as part of projectCity Population: 51,000+800,000+ sq feet at City Hall, Libraries, Municipal Service Center, Stadium, Fire Stations, Parks, Street lighting and the La Crosse Center
Construction Completion Year:	2026
Scope and Benefits:	<p>4-Phase project</p> <p>Energy Demand Reduction</p> <ul style="list-style-type: none">LED LightingHVACBuilding Automation System (BAS) / ControlsBoilers / ChillersEfficiency monitoring and reporting <p>Renewable Energy Supply</p> <ul style="list-style-type: none">City-owned Solar Arrays: seven (7) locations totaling over 0.5 MW <p>Future opportunities include exploring potential microgrid solutions and water system efficiencies.</p>



Map of Energy Savings Performance Contracting investments in state and local buildings in particular states (In process of being updated)



ENERGY SERVICES
COALITION
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ENERGY SERVICES COALITION

CHAPTER PLAYBOOK

Version 3.0

Case studies include a summary of Energy Savings Performance Contracting (ESPC) projects from throughout the country.

Case Study Submission Form [Here](#)

The Energy Services Coalition Chapter Playbook is a living document updated regularly and represents an ongoing process of collecting examples of successes and challenges emerging from state programs and state ESC Chapters. The Playbook outlines approaches from around the country of how to operate a successful state ESC Chapter in support of a statewide GESPC public program and to increase GESPC activity in a state

Case Studies

Featured Case Study:

Clark County School District, Nevada

[Link to more information on this Case Study](#)

Clark County School District, serving Las Vegas and the surrounding area, is one of the largest school districts in the nation. Rising energy costs, a backlog of deferred maintenance, and sustainability goals necessitated a district need for a comprehensive facility investment strategy. This project will achieve economic, environmental, resiliency, comfort, safety, and deferred maintenance goals. It facilitates scalable future growth and technology implementation for the District and will improve the learning environment for students and faculty, emphasizing sustainability and long-term efficiency, and deliver guaranteed operational savings to the District.

Scope and Benefits:

Safety Improvements, user friendly, wireless control and increased long-term controllability for:

- LED Lighting
- Building Automation Systems / Controls
- Dwell time adjustments
- Motion activation
- Daylight Harvesting

Waste management and efficiency analysis to reduce waste in materials, storage needs, and transit miles

Decreased O&M costs and burden

Futureproofing

- To reduce need for rework of an additional ESPC by deploying BACnet
- To expand into HVAC and renewable energy in later phases of work

276 Local Subcontractors Engaged

>40% Subcontractors are MWBE



- Student population: 300,000
- Fifth largest District in the US
- 205 campuses retrofitted as part of project
- 23,639,650 square feet addressed as part of project

ESCO: Willdan Engineering
OR: NV5

Featured Case Study:

Rockingham County School District, North Carolina

[Link to more information on this case study](#)

Rockingham County School District was facing the challenge of aging facilities and systems. A Guaranteed Energy Savings Performance Contract including lighting and HVAC upgrades, water conservation, and enhanced indoor air quality breathed new life into Rockingham County Schools and provided the District significantly more control over its facilities.

Scope and Benefits

Improved indoor air quality

- HVAC deferred maintenance
- Installed a new chiller and replaced two Air Handler Units

LED lighting upgrades

Upgraded digital controls

Water conservation

- Upgraded plumbing fixtures
- Submetering for irrigation

Insulated chilled water piping (addressed deferred maintenance)

Streamlined internal operational processes



- 21 School Sites, 6 District Locations
- 12K+ student population
- 2,330,216 sq feet addressed as part of project

ESCO: Johnson Controls Inc.
OR: Locklear, Locklear, and Jacobs

Final Thoughts

Upcoming Events



The image is a promotional graphic for the ESPC Campaign events in July 2025. It features a dark green background with a lighter green wave-like shape. At the top left is the ESPC Campaign logo, which includes a stylized building and the text 'ESPC Campaign'. To the right of the logo, the word 'EVENTS' is written in white, and 'JULY 2025' is written in large white letters. A yellow star with the text 'You are here' is positioned to the left of the first event. The events are listed in a vertical column, each with a date in a blue box, the event title, and the time and registration link. At the bottom, there is a link to the 'ESPC CAMPAIGN HOME PAGE'.

Date	Event Title	Time	Registration Link
08 JULY, 2025	WEBINAR: NAVIGATING ESPC RESOURCES TO AID YOUR PROGRAM	11AM PST, 2PM EST	REGISTRATION LINK
15 JULY, 2025	PEER EXCHANGE: NC DEPARTMENT OF ADULT CORRECTIONS	11AM PST, 2PM EST	REGISTRATION LINK
22 JULY, 2025	SUPPORTER SESSION: UPDATES FOR ESCOS AND ORS	11AM PST, 2PM EST	REGISTRATION LINK
30 JULY, 2025	WORKSHOP: KICKING OFF YOUR ESPC PROGRAM	11AM PST, 2PM EST	REGISTRATION LINK

[ESPC CAMPAIGN HOME PAGE](#)

Direct Technical Assistance

State and local ESPC Campaign partners are invited to set up a time to speak with a U.S. DOE Project Facilitator (Owner's Representative for Federal Projects) virtual office hours. Discussion topics can be anything regarding an ESPC project, including specific questions on your project. To request a meeting time, please complete this [Technical Assistance Sign-Up Form](#).



Thank you!

ESPCcampaign@hq.doe.gov

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Dub Taylor

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Energy Services Coalition

www.energyservicescoalition.org

