

U.S. DEPARTMENT OF
ENERGY

Office of
ENERGY EFFICIENCY &
RENEWABLE ENERGY

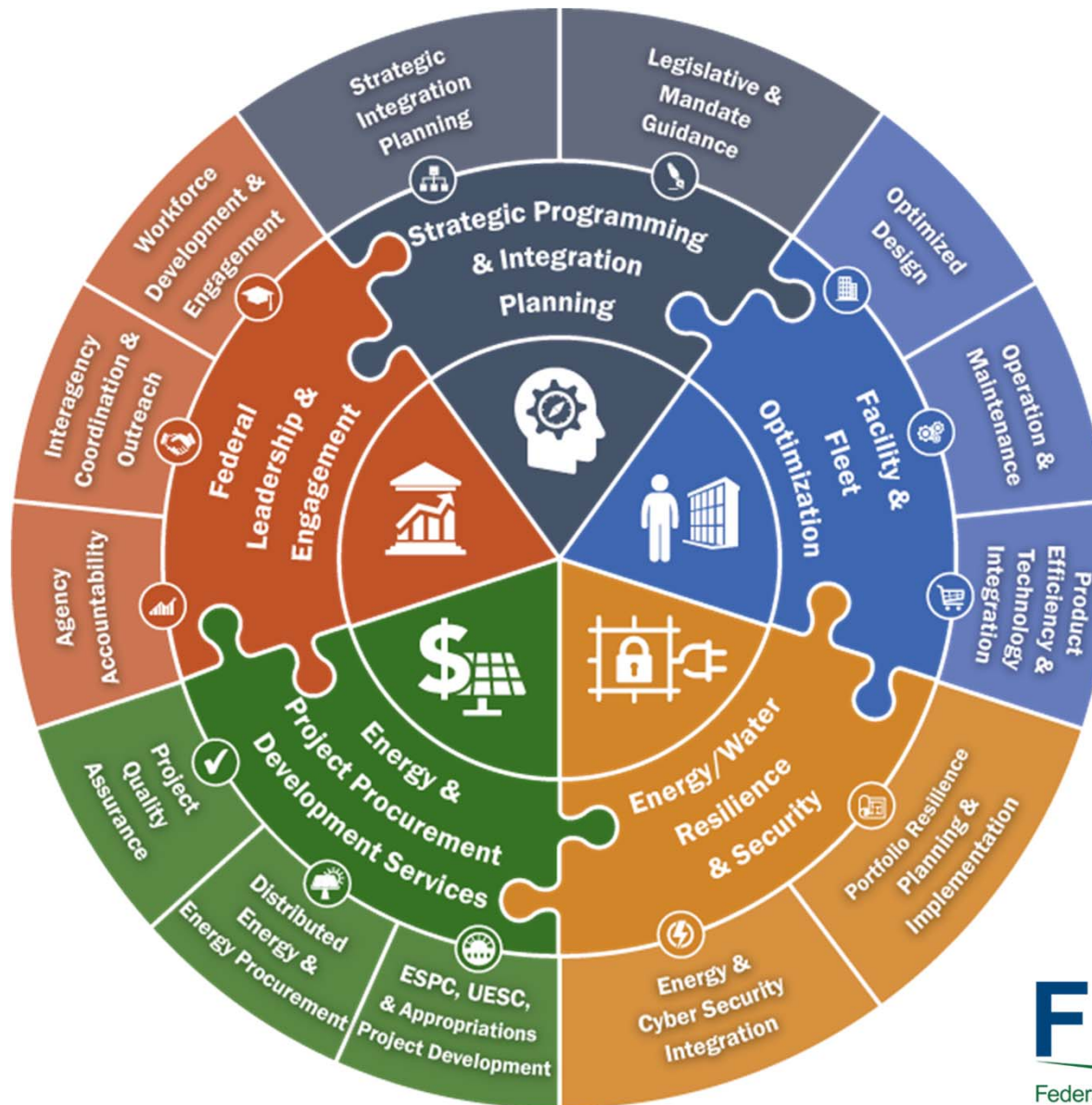
Washington Update

Leslie Nicholls, Strategic Director
Federal Energy Management Program

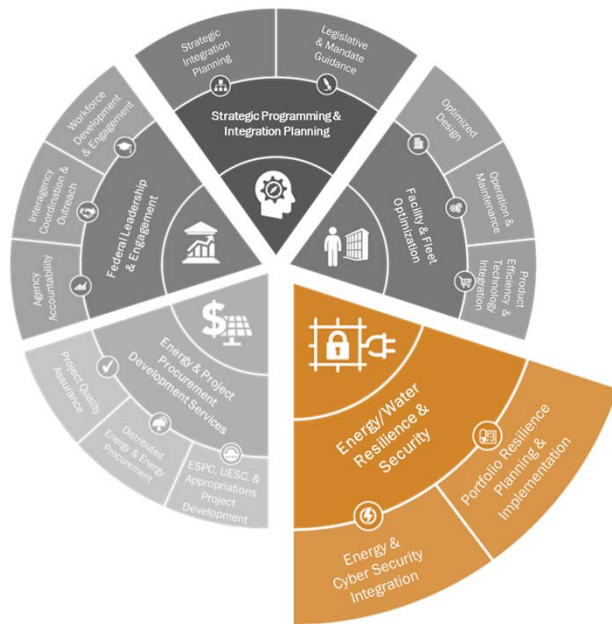
November 7th, 2018



Federal Energy Management Program: “Wheelhouse”



Federal Energy Management Program: *Focus*



Key Program Engagements

- DOE/FEMP – Army Partnership
- DOE/ FEMP – DHS Partnership
- DOE/FEMP – NASA Partnership

Administration Priorities: American Security

Resilience and Reliability for Mission Assurance

Portfolio Resilience Planning & Implementation

Three comprehensive partnerships with agencies to implement resilient planning at Agency and site level

Developing a **systematic and integrated approach to strategic resilience planning** that addresses continuity of operations focus areas including energy and water requirements, communications, transportation, facilities and technology solutions

Energy & Cyber Security Integration

Addressing cyber control systems, storage of data and reporting protocols and processes

Focusing on:

- Managing dynamic control systems at the point of facility and grid integration
- Federal Building Metering Guidance implementation addressing control system security BPs
- Facility Related Control Systems for Security Assessment Tool development

Federal Energy Management Program

Technical Resilience Manual (TRM)

FEMP TECHNICAL RESILIENCE MANUAL

Presents a multi-faceted
assessment for baselining,
informing, executing plans
and validating
performance



Planning



Baselining



Risk Assessment



Opportunity Assessment



Solution Development



Performance Review & Reporting

Existing Resources

Prioritization and risk
methodology consistent with
DOE Cybersecurity, Energy
Security, and Emergency
Response (CESER) and
industry best practices

Example Requirements



PPD-21
NDAA 2019
Army Dir. 2017-07

Federal Energy Management Program

Facility Cybersecurity Web Tools




FCF and F-C2M2 Lite tools

<https://facilitycyber.labworks.org>

- Integrates technical assistance and requirements
- Benchmarks and tracks progress
- Aligned with industry and DOE CESER risk approach
- Addresses a variety of facility scenarios
- Federal and commercial use

Executive Order 13834

	23771
Federal Register Vol. 83, No. 99 Tuesday, May 22, 2018	Presidential Documents
Title 3— The President	Executive Order 13834 of May 17, 2018 Efficient Federal Operations

By the authority vested in me as President by the Constitution and the laws of the United States of America, it is hereby ordered as follows:

Section 1. Policy. The Congress has enacted a wide range of statutory requirements related to energy and environmental performance of executive departments and agencies (agencies), including with respect to facilities, vehicles, and overall operations. It is the policy of the United States that agencies shall meet such statutory requirements in a manner that increases efficiency, optimizes performance, eliminates unnecessary use of resources, and protects the environment. In implementing this policy, each agency shall prioritize actions that reduce waste, cut costs, enhance the resilience of Federal infrastructure and operations, and enable more effective accomplishment of its mission.

Sec. 2. Goals for Agencies. In implementing the policy set forth in section 1 of this order, the head of each agency shall meet the following goals, which are based on statutory requirements, in a cost-effective manner:

- (a) Achieve and maintain annual reductions in building energy use and implement energy efficiency measures that reduce costs;
 - (b) Meet statutory requirements relating to the consumption of renewable energy and electricity;
 - (c) Reduce potable and non-potable water consumption, and comply with stormwater management requirements;
 - (d) Utilize performance contracting to achieve energy, water, building modernization, and infrastructure goals;
 - (e) Ensure that new construction and major renovations conform to applicable building energy efficiency requirements and sustainable design principles; consider building efficiency when renewing or entering into leases; implement space utilization and optimization practices; and annually assess and report on building performance to sustainability metrics;
 - (f) Implement waste prevention and recycling measures and comply with all Federal requirements with regard to solid, hazardous, and toxic waste management and disposal;
 - (g) Acquire, use, and dispose of products and services, including electronics, in accordance with statutory mandates for purchasing preference, Federal Acquisition Regulation requirements, and other applicable Federal procurement policies; and
 - (h) Track and, as required by section 7(b) of this order, report on energy management activities, performance improvements, cost reductions, greenhouse gas emissions, energy and water savings, and other appropriate performance measures.
- Sec. 3. Implementation and Immediate Actions.** (a) The Chairman of the Council on Environmental Quality (CEQ) and the Director of the Office of Management and Budget (OMB) shall coordinate in developing, issuing, and updating, as necessary, requirements and streamlined metrics to assess agency progress in achieving the goals set forth in section 2 of this order.
- (b) Within 90 days of the date of this order, the Secretary of Agriculture, Secretary of Energy, Administrator of General Services, and the Administrator

Reduce waste (financial and energy)

Cut operational costs

Enhance resilience of Federal infrastructure and operations

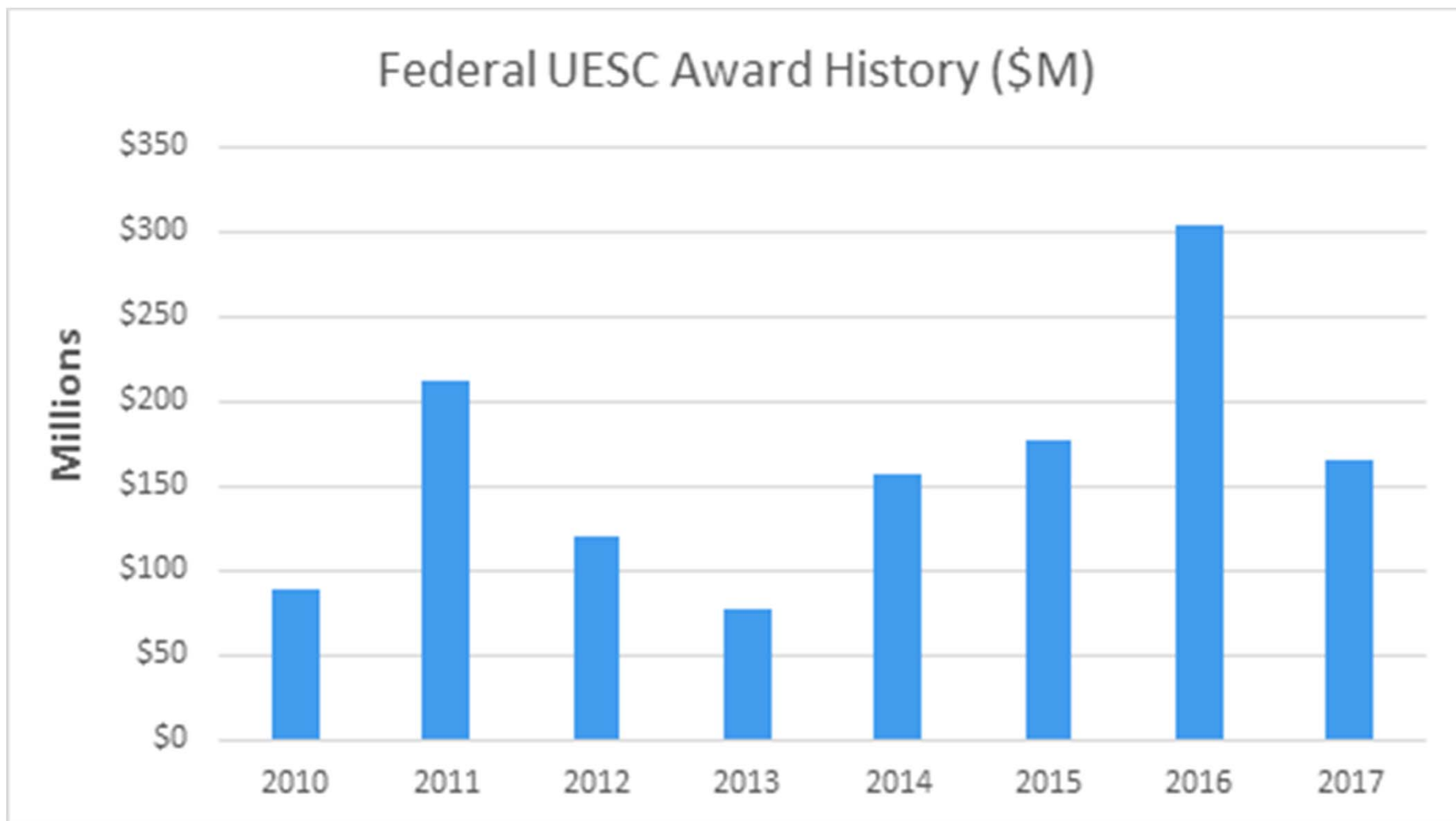
Enable more effective accomplishment of mission

“Sec. 2. Goals for Agencies. In implementing the policy set forth in section 1 of this order, the head of each agency shall meet the following goals, which are based on statutory requirements, in a cost-effective manner:

...

(d) Utilize performance contracting to achieve energy, water, building modernization, and infrastructure goals;”

UESC Update



UESC Project Facilitator Program

Project facilitators serve a quality assurance function for federal agencies developing and implementing UESCs.

- Advisory services for engineering, financial, and contracting that supplements and goes beyond FEMP UESC team support
- Support and scope driven by agency need and tailored accordingly
- Engagement can begin from PA Kickoff Meeting and can go through the first year of performance
- Experienced UESC project facilitators procured through GSA FSS schedules

Coordinate with the FEMP Federal Project Executive assigned to your region for initiation of the process.

Contact Brandi.Eng-Rohrbach@ee.doe.gov for more information.

1. 2018 UESC FEMP Award Winners

- U.S. Department of Veterans Affairs - Program Contracting Activity Central
- Tim Gleason, Wes Hamill, Reginald Parker, Jason Poe, Steven Webster – Commander, Navy Installations Command (CNIC), NAVFAC and Naval Air Station Whiting Field
- U.S. Department of Homeland Security - U.S. Coast Guard Energy Management Program

2. We need to hear from you



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Strategic Director