



Energy ExchangeSM

Connect • Collaborate • Conserve
An educated approach to resiliency

U.S. Department of Energy Federal Energy Management Program

August 15-17, 2017

Tampa Convention Center
Tampa, Florida

www.femp.energy.gov/energyexchange



U.S. Department of Energy Federal Energy Management Program

The Flagship Sets Sail in August

August 15-17, 2017

Tampa Convention Center
Tampa, Florida

Tampa, FL, August 15-17, 2017

114	10	14
days	hrs	min

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Learn from thought leaders throughout the energy industry.

1 2 3 4 5 >

Energy Exchange 2017 Training & Trade Show

Website: <http://www.2017energyexchange.com/>



Why Come to Energy Exchange?



Answer: THE annual opportunity for the federal energy community and its private sector partners to engage in knowledge sharing in the fields of energy, water, facility design & operations, integrated resiliency planning, and performance contracting.

- 2 ½ days of training, including **135** sessions; **15** tracks, with **9** sessions each.
- IACET CEUs will be offered for most sessions.
- FEMP is offering 10 **FREE** pre Energy Exchange workshops.
- Federal Agencies also have the opportunity to host self-developed workshops and Agency meetings both before and after Energy Exchange!
- Two full days of trade show activity with over 100 exhibitors.



Who is Coming to Energy Exchange?

Primary Audiences

- DOE Leadership
- The Federal Energy Management Community
 - Contracting & Procurement Officers
 - Data Center Managers
 - Energy Managers
 - Energy Service Companies
 - Facility Managers
 - Federal Agency Program Leadership
 - Fleet Managers
 - Lawyers
 - Project Finance Professionals
 - Sustainability Professionals
 - Technology & Product Vendors
 - Utilities



Secondary Audiences

- Congressional Members & Staff
- EERE Offices
- Media (national, local, & trade media)
- National Labs
- R&D Professionals
- State & Local Interests



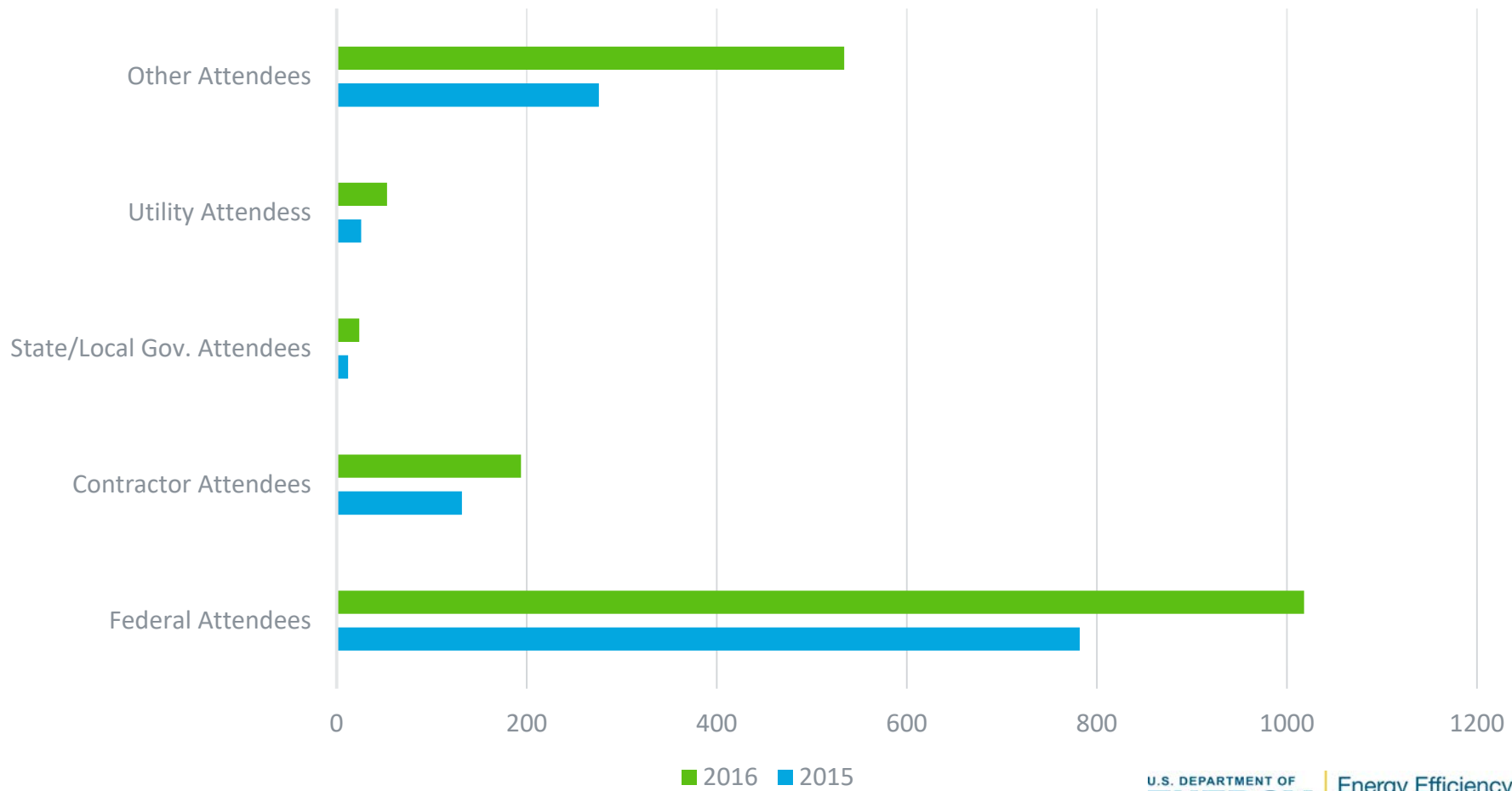


Historical Attendance

EEx16 Total – 1,823 (Feds – 1,018)

EEx15 Total – 1,228 (Feds – 782)

2015/2016 ENERGY EXCHANGE ATTENDANCE



- Welcome event on **Monday, August 14: 5-8 pm**
- Two full days of trade show activity: **Tuesday, August 15 & Wednesday, August 16**
- Five sessions for exhibitors held in the trade show!
- Exhibit spaces are still available

Exhibitor POC

Diane Manuel

Email: dmanuel@mc-2.com

Phone: 678-398-2624





FEMP-Led Training Monday August 14

- Most sessions offer CEU credits.
- All Pre Conference workshops are **FREE** but do require registration via the FEMP website

FEMP PRE-TRAINING SESSIONS

1. Utility Energy Service Contract Executive Summary Training
2. Make the Connection - Site Energy Drivers, Planning, and Teams
3. ESPC Workshop
4. Creating Effective Organizational Change: A Five-step Framework
5. Federal Cyber Security Workshop
6. Reduce Your Utility Bill: Demand Response and Site-Based Load Management Workshop
7. 2016 Guiding Principles: Updates, Guidance, and Solutions
8. On-site Renewable Energy Project Implementation Process
9. ENABLE Training for ESCOs and Agencies
10. Introduction to Energy Efficiency in Data Centers



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FEDS Spotlight

The 2017 launch of the new offerings!

Each Agency is invited to pick “3” people from their Agency and Sub Agencies to award a “FEDS Spotlight” in one of the three categories.

Connecting: Communicating ideas and messages to promote and share energy, water, and fleet efficient best practices with colleagues or fellow employees.

Collaborating: Forming partnerships; participating and/or developing working groups; and/or working with internal and/or external organizations toward policies, procurements, and practices that are helping the agency reach its energy, water, and fleet management goals.

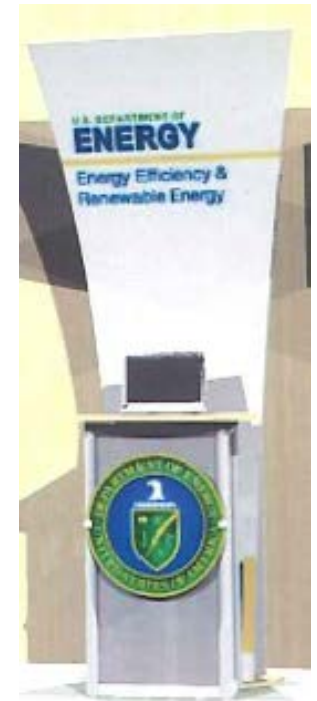
Conserving: Developing and implementing programs, projects, and procurements that help the agency make progress toward meeting its energy, water, and fleet management goals.



Each Agency would get the chance to display its winners on posters throughout the event and honor them during an awards ceremony Wednesday Evening.

The 2017 launch of the “FEMP Connect Lounge”

- New and expanded FEMP Space to interactively present FEMP staff, services, tools and information
- Live notifications will be pushed through EEx Mobile App to make announcements about FEMP staff and services that will be presented in the Connect Lounge.





Schedule of events

Monday, August 14, 2017

- FEMP will host 10 free pre-conference workshops for Agencies to learn about a range of FEMP services and programs they can participate in.
- The Energy Exchange starts off with a welcome reception from 5-8 PM in the trade show exhibit hall.

Tuesday, August 15, 2017

- The main event formally kicks off Tuesday morning, with an opening plenary session beginning at 8:30 a.m.
- **Lunch and Learn Session – ESCO Panel**
- First full day of training sessions and trade show activity.

Wednesday, August 16, 2017

- Wednesday is another full day of training and trade show activity.
- **Lunch and Learn Session Panel featuring former CEQ Environmental Executives**
- The trade show also closes on this day.

Thursday, August 17, 2017

- Thursday offers two sessions in the morning, followed by a the closing plenary program.
- Many Federal Agencies hold once a year trainings and agency meetings after Energy Exchange





Energy Exchange Agenda at a Glance: Tracks 1-7

August 15-17, 2017 • Tampa Convention Center • Tampa, FL

Energy Exchange Welcome
Monday, August 14, 5:00 pm (Exhibit Hall)
Federal Agency Meetings and Trainings
Monday, August 14; Thursday, August 17; Friday, August 18

Energy Exchange 2017			TECHNOLOGIES AND EQUIPMENT				FACILITIES AND FLEETS		
			TRACK 1 Energy 101	TRACK 2 Core Energy Technologies	TRACK 3 Emerging Energy Technologies	TRACK 4 Cyber and Control System Technologies	TRACK 5 Optimal Building Performance Strategies	TRACK 6 High Performance Buildings	TRACK 7 Federal Fleet Management
DAY	TIME	SESSION							
TUESDAY	8:30 am – 10:00 am		Opening Plenary Session						
	10:00 am – 10:30 am		Morning Break and Trade Show						
	10:30 am – 12:00 pm	1	What's A Watt: Terms, Acronyms and Abbreviations	Advanced Auditing Technologies and Techniques	Federal Test Bed Programs	Cybersecurity Basics for Energy Managers	Energy Efficiency: Prevent the Breakdown	Integrated Design Strategies	Fleet Laws and Regulations
	12:00 pm – 2:00 pm		Lunch and Trade Show						
	2:00 pm – 3:30 pm	2	Audits and Benchmarking	Advanced Lighting and Lighting Controls	Deploying Advanced Technologies	Understanding and Implementing the Risk Management Framework	Junk to Gems: Existing Building Commissioning	Future Proofing Your Buildings for High Performance and Durability	Fuel Cell Electric Vehicles
	3:30 pm – 4:00 pm		Afternoon Break and Trade Show						
WEDNESDAY	4:00 pm – 5:30 pm	3	Let There Be Light: Lighting and Controls	Advanced Water Management	Advanced Data Center and Smart Labs Energy Technologies	Risk Management Framework In Action	Advanced Metering: Beyond the Meter	Deep Energy Retrofits: National Deep Energy Retrofit Program	Telematics Framework for Federal Agencies
	8:30 am – 10:00 am	4	The Overlooked: Water 101/Plug Loads/Process	Using Your Building's Envelope to Minimize Heating and Cooling Loads	Advanced HVAC Diagnostics and Control Strategies	Unpacking the Internet of Things and Cloud Technologies	Energy Management vs. O&M (Where is the Love?)	Federal Net Zero Design (Energy, Water and Waste)	The Future of the Auto Industry: An OEM Perspective
	10:00 am – 10:30 am		Morning Break and Trade Show						
	10:30 am – 12:00 pm	5	Keep It Cool: HVAC 101 and Controls	Window System Technologies and Solutions	Advanced Energy Storage	Advanced Software Technologies	Dashboards and Beyond	Commissioning for Performance	Electric Vehicle Supply Equipment: Facility Integration
	12:00 pm – 2:00 pm		Lunch and Trade Show						
	2:00 pm – 3:30 pm	6	Maintaining My Savings: O&M and Commissioning	Advanced Building Automation	Dynamic Facades: Integrating Windows, Lighting, HVAC, and Building Controls	FEMP Cybersecurity Program Review	Audits: More than Checking the Box	Turning on the Switch to Lighting Controls in High Performance Buildings	Vehicle Cyber Security
3:30 pm – 4:00 pm		Afternoon Break and Trade Show							
THURSDAY	4:00 pm – 5:30 pm	7	Energy Economics and Contracting Options	Advanced HVAC Technologies	Environmental Security Technology Certification Program Deep Dive	What's New In Building Automation	Post Energy Audit: What Now?	Applying ASHRAE Standards for Success	Asset Level Data Reporting
	8:30 am – 9:30 am	8	Humans Can Interfere with Energy Savings: Human Behavior	Advanced Boiler Technologies	Advanced Building Materials	Wireless Sensors	Training: The Key to All Savings	Well Buildings and the Living Building Challenge	Vehicle Allocation Methodology
	9:30 am – 9:45 am		Morning Break						
	9:45 am – 11:15 am	9	Renewable Generation and Storage	Data Center Strategies for Energy Reduction	Using the Internet of Things for Efficiency and Resilience	Enterprise Analyses	Selling Facility Management: Seat at the Table	High Performing Buildings Thought Leaders Panel	FleetDASH
	11:15 am – 11:30 am		Morning Break						
	11:30 am – 1:00 pm		Closing Session						



Energy Exchange Agenda at a Glance: Tracks 8-15

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Energy Exchange Welcome
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Energy Exchange 2017			CAMPUSES, INSTALLATIONS, AND REGIONS			PERFORMANCE CONTRACTING AND PARTNERSHIPS		FEDERAL AGENCY LEADERSHIP			
			TRACK 8 Integrated Master Planning	TRACK 9 Resilience for Mission Assurance	TRACK 10 Distributed Energy	TRACK 11 Utility Partnerships for Savings, Efficiency, and Resilience	TRACK 12 Performance and Alternative Contracting	TRACK 13 Policy, Legislation, and Leadership	TRACK 14 Making the Business Case for Energy Management	TRACK 15 Solution Sets and Best Practices	
DAY	TIME	SESSION									
TUESDAY	8:30 am - 10:00 am		Opening Plenary Session								
	10:00 am - 10:30 am		Morning Break and Trade Show								
	10:30 am - 12:00 pm	1	Installation Energy Master Planning	Resilience: Beyond the Buzzword	Energy Storage	Maximizing Utility Privatization Contract Benefits	Selecting a Contracting Vehicle	U.S. Building Codes and Standards: Update on Changes	Cost of Energy Security and Resilience	ESPC Best Practices and Lessons Learned	
	12:00 pm - 2:00 pm		Lunch and Trade Show								
	2:00 pm - 3:30 pm	2	Integrated Energy Master Plan	Planning for Regional Resilience	Renewable Energy Procurement	Microgrids and Smartgrid Applications	Pillars of the Performance Contracting Process	Civilian-Federal Sector Panel	Valuing Energy Efficiency	Campus Resilience Case Study	
	3:30 pm - 4:00 pm		Afternoon Break and Trade Show								
	4:00 pm - 5:30 pm	3	Geographically Dispersed Portfolio Management	Microgrids for Resilience	Lessons Learned from Private Sector Energy Projects	Engaging Your Utility Partner	Savings Validation in Performance Contracts	Agency Requirements	Using Data for Making Your Business Case	Renewable Energy Case Study	
WEDNESDAY	8:30 am - 10:00 am	4	Energy Resilience Studies	How Resilient Are You? How to Measure Resilience	Distributed Energy into Microgrids	Campus Utility Distribution Systems	Alternative Contracting Tools and Resources	Federal Leadership Viewpoints: Video Case Studies	Resource Efficiency Managers	UESC Best Practices and Lessons Learned	
	10:00 am - 10:30 am		Morning Break and Trade Show								
	10:30 am - 12:00 pm	5	USACE Sustainability Component Plan	Resilience Project Examples in the Military	Renewables for Resilience	Utility as a Service	Underutilized Technologies in Performance Contracting	Legislation: What's Cooking on the Hill?	Public-Private Partnerships	Net Zero Case Studies	
	12:00 pm - 2:00 pm		Lunch and Trade Show								
	2:00 pm - 3:30 pm	6	Utility Privatization	Service Approach to Resilience through Renewable Integration	Matching Natural Gas and Off-Spec Fuels with Distributed Energy Systems	Connecting to the Utility Grid	Private Sector Perspectives on Alternative Contracts	U.S. Department of Defense Deputy Assistant Secretary Panel	Triple Bottom Line and Non-Monetary Benefits of Energy/Water Projects	Water Efficiency Project Case Studies	
	3:30 pm - 4:00 pm		Afternoon Break and Trade Show								
	4:00 pm - 5:30 pm	7	Integrated Energy	What is the Energy/Water Nexus?	Innovations in Distributed Energy	The Future of Utility Procurement	Government Perspectives on Alternative Contracts	Viewpoint from the Energy-Related Associations	The Cost of Not Commissioning Your Building	Utility Partnerships Helping the Agency Meet Strategic Goals	
THURSDAY	8:30 am - 9:30 am	8	Water Resource Management	Resilience Strategies Beyond Microgrids	Transforming Economics on Solar	Federal Utility Partnerships Part 1: What the Government Needs from the Utility	Financing Distributed Energy	U.S. Department of Energy Workforce Development	Maturity and Value of Energy Efficiency	Historical Building Project Case Studies	
	9:30 am - 9:45 am		Morning Break								
	9:45 am - 11:15 am	9	Regulatory Challenges: NEPA, Interconnection, and Local	Value Proposition of Resilience Investments	Combined Heat and Power Case Studies	Federal Utility Partnerships Part 2: What the Utility Needs from the Government	Financing Energy Resilience and Security	Leadership 360: Voices from Leaders Across the Enterprise	Properly Valuing Water (Resilience)	Financing: How to Get It Done	
	11:15 am - 11:30 am		Morning Break								
	11:30 am - 1:00 pm		Closing Session								



Registration Info & Contacts

Attendee Registration

Current rates increase after June 16

Speaker	\$100
Federal Employees & National Labs	\$250 <i>\$295 after June 16</i>
Private Sector & Gov't Contractors	\$395 <i>\$450 after June 16</i>

Trade Show Exhibitors

10'x10' Booth	\$2,995 <i>Includes 2 full registrations</i>
20'x20' Booth	\$13,500 <i>Includes 4 full registrations</i>
20'x30' Booth	\$17,500 <i>Includes 6 full registrations</i>





Registration Info & Contacts

Additional information

- Website: <http://energy.gov/eere/femp/energy-exchange>
- LinkedIn Group: [Energy Exchange](#)

What you can do now!

- Secure travel approvals register and make hotel reservations
- Visit the website to read about session descriptions
- Reserve space for pre or post meetings; contact Michelle Rathbun, mrathbun@energetics.com
- Help spread the word!

QUESTIONS?



TRAINING & TRADE SHOW

AUGUST 15-17, 2017

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