

2018 Energy Exchange

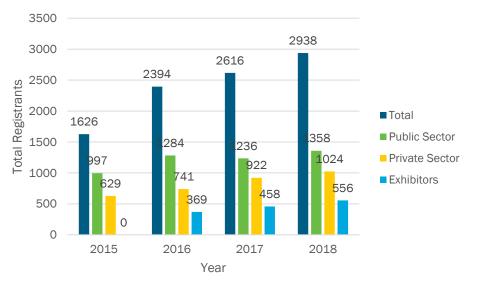
ISWG Updates

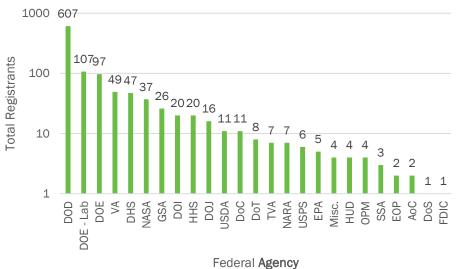
Nicolas Baker, LEED AP 09/20/2018





OVERALL REGISTRATION BY SECTOR TYPE									
2,938									
PUBLIC SECTOR ATTENDEES					PRIVATE SECTOR ATTENDEES				
	1,358								
Federal A	ttendees	Nonfederal Attendees			1,580				
1,1	1,102		256						
FED Attendee	FED Speaker	NONFED Attendee	NONFED Speaker	NONFED Exhibitor	PRIVATE Attendee	PRIVATE Speaker	PRIVATE Exhibitor		
879	223	134	109	13	812	212	556		





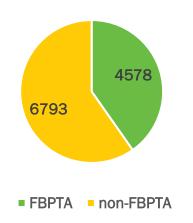
ORGANIZATION TYPE: PRIVATE, PUBLIC-FEDERAL, PUBLIC-NONFEDERAL

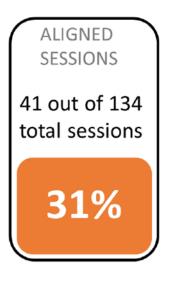
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	ENERGY E	XCHANGE	BETTER BUILD	INGS SUMMIT	COMBINED			
ТҮРЕ	EEx Scans	EEx % Scan	BBS Scans	BBS % Scan	Total Scans	Overall %		
PRIVATE	4,261	79.8%	1,081	20.2%	5,342	38.5%		
PUBLIC-FEDERAL	6,377	88.4%	839	11.6%	7,216	52.0%		
PUBLIC-NONFED	719	55.7%	571	44.3%	1,290	9.3%		
#N/A	14	66.7%	7	33.3%	21	0.2%		
	11,371	82.0%	2,498	18.0%	13,869	100.0%		

EEx Scans - Accredited Sessions Attended



EEx Scans – FBPTA Aligned Sessions Attended





2018 Energy Exchange – *Track Attendance*

TRACK INFORMATION			ALL ATTENDEES		FEDERAL ATTENDEE SCANS		
Theme	Track	Track Title	Scans	Hours	FED Attendee	FED Speaker	FED TOTAL
Workforce, Management, and Policy Drivers	1	Workforce Development and Engagement	466	699	234	49	283
	2	Policy and Strategies	993	1489.5	467	91	558
	3	Partnering Strategically with FEMP	388	582	165	45	210
Resilience and Energy Contingency Planning Implementation	4	Planning for Mission-Driven Resilience	1032	1548	525	91	616
	5	Continuity of Operations: Resilience and Contingency Solutions	1031	1546.5	523	97	620
	6	Distributed Generation: Contribution to Resilience	1053	1579.5	472	78	550
Optimizing Design, Operations, and Maintenance for Smarter Buildings	7	Building Optimization Essentials	920	1380	497	28	525
	8	Data Literacy	835	1252.5	362	61	423
High Impact and Secure Technology Applications	9	Emerging Technologies	1023	1534.5	471	57	528
	10	Cybersecurity Technologies and Control Systems	905	1357.5	424	77	501
Financing, Performance Contracting, and Utility Partnerships	11	Financing and Performance Contracting	923	1384.5	375	79	454
	12	M&V and Performance Assurance/Utility Partnerships	795	1192.5	344	60	404
Key Sectors: Water and Fleet	13	Water Management and Resilience	519	778.5	239	72	311
	14	Fleet	488	732	303	91	394

Tracks with Recorded Sessions

Most Attended Tracks

EEx Recorded Workshops - 3 Recorded

FEMP Pre-Event Workshops - Monday

FEMP Pre-Event Workshop A - Operation and Maintenance of Solar Photovoltaic Systems: Reducing Cost and Improving

This workshop introduces procedures to safely and cost-effectively perform effective operations and maintenance (O&M) for photovoltaic (PV) systems and covers PV system inspection, operations, preventative and corrective maintenance, O&M plans, safety and budgeting.

FEMP Pre-Event Workshop B - A New Way of Financing On-Site Renewable Energy: ESPC Energy Sales Agreement

This workshop provides an overview of energy savings performance contract energy sales agreements (ESPC ESAs) and the various approaches to implementing ESPC ESAs for on-site third-party financed renewable energy projects. Attendees will learn about the three approaches to implementing ESPC ESAs (site-specific/stand-alone, DOE IDIQ, and ESPC ENABLE), the Federal Energy Management Program's ESPC ESA Toolkit, best practices, project considerations, and resources available.

FEMP Pre-Event Workshop C - Executing Cost-Effective Distributed Energy Projects on Federal Sites

This workshop introduces the implementation process for distributed energy projects. Upon completion of this workshop, attendees will understand the drivers for distributed energy projects on federal sites, the process, considerations, and best practices for implementing distributed energy projects and be familiar with the resources available for implementing distributed energy projects.

EEx Recorded Sessions - 7 Recorded

Energy Exchange Sessions - Tuesday

T10-S1: Cybersecurity Basics for Energy Managers

Operating technologies (OT) pose a unique challenge to cybersecurity. Legacy systems, IoT integration, and OT architecture priorities require a different approach relative to traditional IT cybersecurity. This session will provide a high-level overview of controls systems cybersecurity, priming the attendee for the rest of this essential track.

(FBPTA Competencies 3.1 & 4.5)

T8-S2: Energy Modeling

This session will explore various energy modeling tools, technologies, and best practices. It will discuss basic and advanced modeling techniques for existing buildings using popular tools such as building simulation software, spreadsheet analysis, and computational fluid dynamics. Additionally, the session will demonstrate the pros and cons of different tools and models and how to apply best practices.

T8-S3: Metering

This session will illustrate how to extract useful data from smart meters and utility invoices to identify actionable energy efficiency measures. It will also provide insights on suitable sub-metering placement on critical assets. (FBPTA Competencies 2.5)

EEx Recorded Sessions - 7 Recorded

Energy Exchange Sessions - Wednesday

T13-S4: Alternative Water and Storage Planning

This session will discuss the use of FEMP tools to implement alternative water projects at federal facilities and give examples from agencies that already use alternative water sources.

(FBPTA Competencies 8.1)

T13-S5: Water Auditing Tools and Resources

This session will share best practices for water assessments including process, tools, and calculation methods needed for the quadrennial EISA Section 432 Energy and Water Audits studies, as well as how to perform a basic water balance. (FBPTA Competencies 8.1 & 8.2)

T9-S6: Advanced Energy Storage Systems

This session will present available technologies and benefits for implementing advanced energy storage solutions. New technologies are coming on the market and old technologies are being dusted off and updated. These advances make energy storage an economical and viable option for facility and campus energy. Panelists will show how building automation technology can facilitate seamless integration of energy storage into building facility power systems. (FBPTA Competencies 2.5 & 4.1)

T9-S7: Indoor Environmental Quality for Energy and Productivity

Advances in building sensors, HVAC equipment, and lighting technology allow us to create highly-efficient and modern spaces for federal employees. Ever wonder how these technologies also improve indoor air quality and worker productivity? This session will dive deeper into how three research teams are using multiple streams of data from a distributed sensor network to create an accurate picture of building performance and its resultant effects on health and productivity while reducing operating costs.

Federal Buildings Personnel Training Act (FBPTA)

Don't forget to get your CEU's and get credit for FBPTA

- To obtain your CEUs after completing a session, visit www.wbdg.org/continuing-education/energy-exchange by October 31, 2018, and take the assessment and evaluation.
- Some sessions are also eligible for FBPTA credit.
- These sessions will be automatically uploaded to Accelerate FM—the FBPTA compliance reporting tool.
- To receive credit for completing these sessions, create an account in Accelerate FM within 30 days. To access Accelerate FM, visit www.fmi.gov.

FEDERAL ENERGY MANAGEMENT PROGRAM

Home » Federal Leadership & Engagement » Training » Energy Exchange



In 2018, the U.S. Department of Energy brought together Energy Exchange and the Better Buildings Summit in Cleveland, Ohio, August 21-23, creating the largest and most exciting DOE training, trade show, and peer event of the year.

More than 3,000 thought leaders from the federal, private, education, and state and local government sectors convened to accelerate the adoption of energy and water efficiency, integrated resilience, emerging and secure technologies, and replicable renewable energy solutions.

Energy Exchange Archives

Energy Exchange 2018: August 21-23; Cleveland, Ohio

- View the session presentations.
- Read about 2018 FEDS Spotlight recipients.

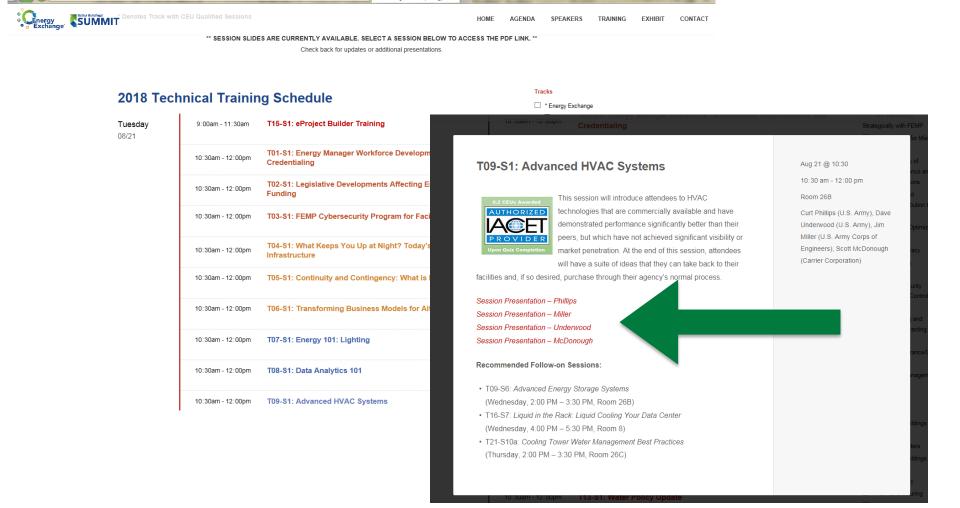
Energy Exchange 2017: August 15-17, 2017; Tampa, Florida

· View the session presentations.

2018 Session Presentations Now Available

Select the session title to view the presentation.

https://www.energy.gov/eere/femp/energy-exchange



https://www.2018energyexchange.com/training-session-schedule/