



# What were your main reasons for attending the Energy Exchange?

Energy Exchange Survey Responses: 2015-2018				
	Phoenix	Providence	Tampa	Cleveland
Reason	2015	2016	2017	2018
Obtain training/learn new information to perform my job more effectively	50.1%	58.2%	42.5%	68.9%



# ENERGY EXCHANGE

# BE EFFICIENT AND RESILIENT

## AUGUST 20 – 22, 2019

COLORADO CONVENTION CENTER  
DENVER, CO

**Be Efficient And Resilient** – This motto resonates across DOE, the federal government, and the private sector, as all parties strive to support Administration's goals and ensure Federal agency missions through optimized federal operations and replicable cost effective and resilient projects.

This 3-day training, trade show, and peer networking event takes place August 20 – 22, 2019 in the Colorado Convention Center. It features nearly 140 unique training session, 15 technical tracks, over a dozen high profile plenary speakers and endless opportunities to develop professional skills and interact with the larger federal energy/water management community.

<https://www.energy-exchange.com>

### Registration Details

- Public Sector: \$250 (**\$350 AFTER JUNE 14**)
- Private Sector: \$545 (**\$645 AFTER JUNE 14**)

<https://www.energy-exchange.com/registration/>

### Hotel Information

- New site, with interactive searchable maps and advanced filters

<https://www.energy-exchange.com/hotelandtravel/>

### Training Agenda

- Interactive Sessions published end of **May**
- Speakers to be published end of **June**

<https://www.energy-exchange.com/training-agenda/>

# Energy Exchange 2019 – Schedule



## SCHEDULE OF EVENTS

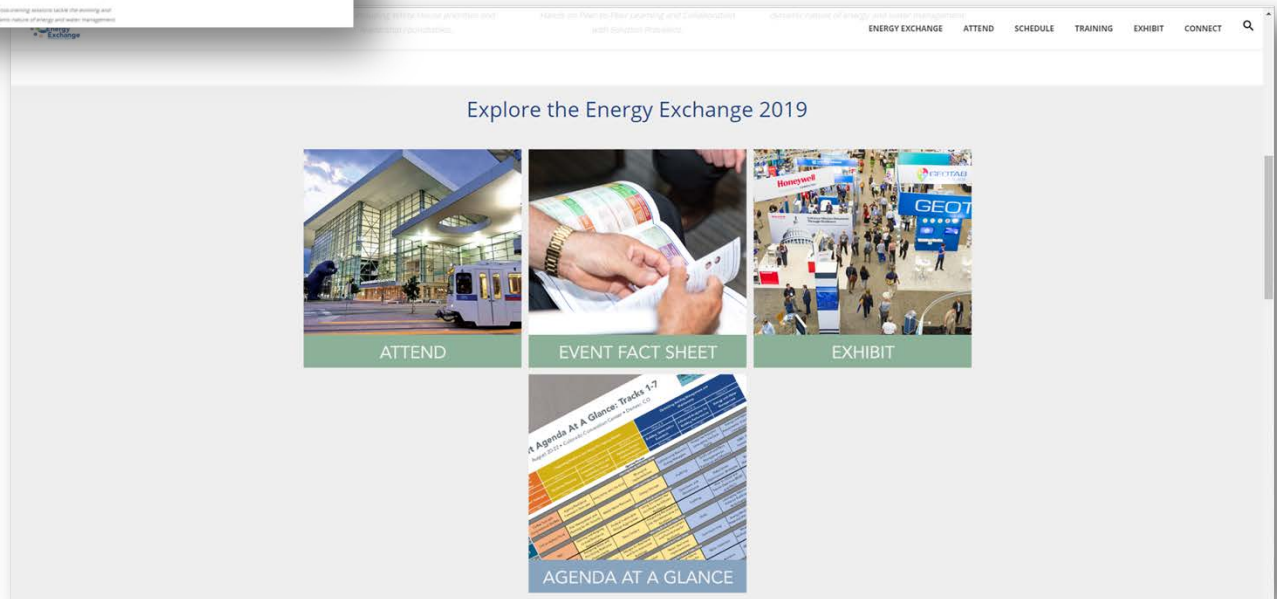
	Monday	Tuesday	Wednesday	Thursday
8 a.m.				Session 8
9 a.m.	FEMP Workshop Session 1	Opening Plenary	Session 4	Break
10 a.m.	Break	Break	Break	Session 9
11 a.m.	FEMP Workshop Session 2	Session 1	Session 5	Lunch
12 p.m.	Lunch	Lunch	Lunch	FEDS Spotlight Event & Closing Plenary
1 p.m.		FEMP Hub & Energy Exchange Trade Show		
2 p.m.	FEMP Workshop Session 3	Session 2	Session 6	
3 p.m.	Break	Break	Break	
4 p.m.	FEMP Workshop Session 4	Session 3	Session 7	
5 p.m.				
6 p.m.	Energy Exchange Trade Show Reception			
7 p.m.				



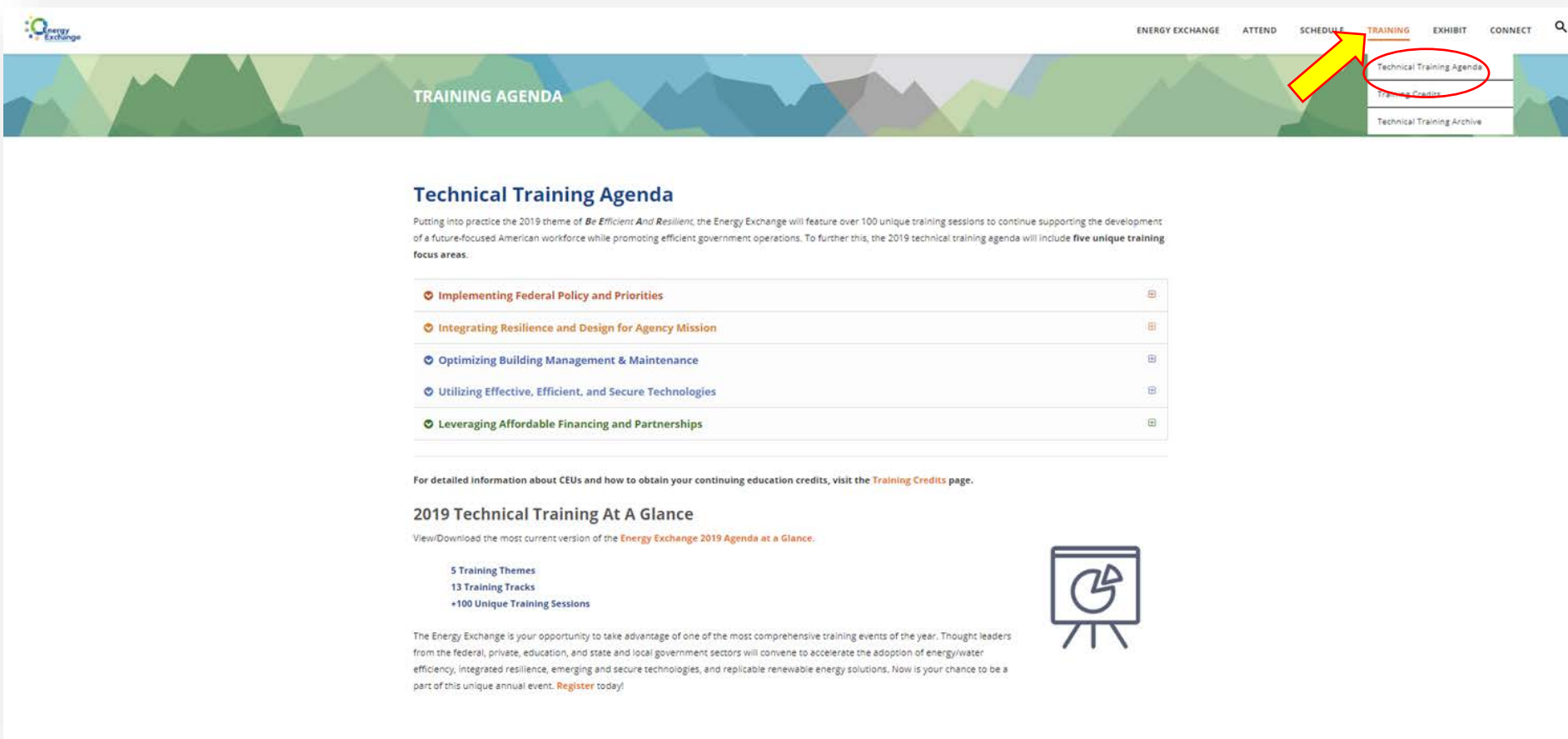
# Energy Exchange 2019 - How to find the Agenda?



Scroll Down



# Energy Exchange 2019 - How to find the Agenda?



ENERGY EXCHANGE ATTEND SCHEDULE **TRAINING** EXHIBIT CONNECT

TRAINING AGENDA

Technical Training Agenda  
Training Credits  
Technical Training Archive

## Technical Training Agenda

Putting into practice the 2019 theme of *Be Efficient And Resilient*, the Energy Exchange will feature over 100 unique training sessions to continue supporting the development of a future-focused American workforce while promoting efficient government operations. To further this, the 2019 technical training agenda will include **five unique training focus areas**:


- Implementing Federal Policy and Priorities
- Integrating Resilience and Design for Agency Mission
- Optimizing Building Management & Maintenance
- Utilizing Effective, Efficient, and Secure Technologies
- Leveraging Affordable Financing and Partnerships

For detailed information about CEUs and how to obtain your continuing education credits, visit the [Training Credits](#) page.

### 2019 Technical Training At A Glance

View/Download the most current version of the [Energy Exchange 2019 Agenda at a Glance](#).

- 5 Training Themes
- 13 Training Tracks
- +100 Unique Training Sessions

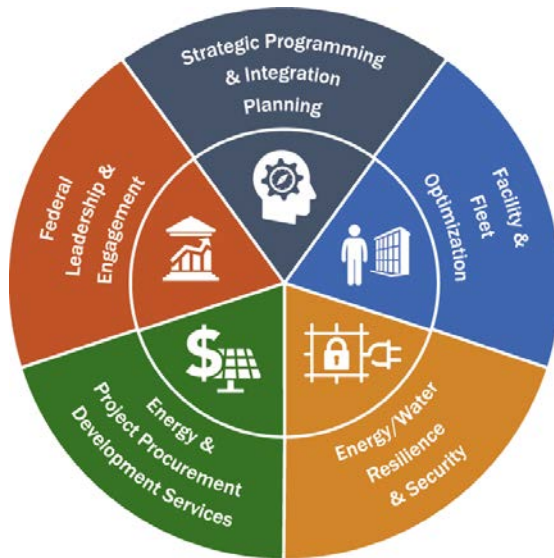


The Energy Exchange is your opportunity to take advantage of one of the most comprehensive training events of the year. Thought leaders from the federal, private, education, and state and local government sectors will convene to accelerate the adoption of energy/water efficiency, integrated resilience, emerging and secure technologies, and replicable renewable energy solutions. Now is your chance to be a part of this unique annual event. [Register](#) today!

<https://www.energy-exchange.com/training-agenda/>



# Energy Exchange 2019 - Training Focus Areas



## **DRAFT Training Focus Areas**

**1) Implementing Federal Policy & Priorities**

**2) Integrating Resilience & Design for Agency Mission**

**3) Optimizing Building Management & Maintenance**

**4) Utilizing Effective, Efficient, & Secure Technologies**

**5) Leveraging Affordable Financing & Partnerships**



# Draft Agenda At A Glance: Tracks 1-7

August 20-22 • Colorado Convention Center • Denver, CO

Energy Exchange Welcome Monday, August 19, 5:00pm (Exhibit Hall)
Agency Meetings and Workshops Monday, August 19; Thursday, August 22; Friday, August 23

Energy Exchange 2019			Implementing Federal Policy and Direction	Integrating Resilience and Design For Agency Mission			Optimizing Building Management and Maintenance		
			TRACK 1	TRACK 2	TRACK 3	TRACK 4	TRACK 5	TRACK 6	TRACK 7
			Policies and Strategies	Resilience Planning	Integrated Facility and Installation Design	Resilience Project Implementation	Building Optimization Essentials	Advanced Analytics for Building Performance	Energy and Water Management
Day	Time	Session	Room TBD	Room TBD	Room TBD	Room TBD	Room TBD	Room TBD	Room TBD
			<b>Opening Plenary</b>						
			<b>Morning Break and Trade Show</b>						
<b>TUESDAY</b>	8:30 am - 10:00 am								
	10:00 am - 10:30 am								
	10:30 AM - 12:00 PM	1	Coffee Talk with Congressional Staffers	Agency Resilience Framework Overview	Integrating with the Grid	Microgrid Implementation	Cybersecurity Basics for Energy Managers	Enterprise Analytics: Leveraging the Data Dump	Energy and Water Assessments: Virtual and Conventional
	12:00 pm - 2:00 pm		<b>Lunch and Trade Show</b>						
	2:00 PM - 03:30 PM	2	Civilian Agency Panel	Risk Management and Planning for All Hazards	Waste Water Recovery	Energy Storage	Auditing	Grid Load and Plant Management for Resilience and Efficiency	50001 Ready Implementation
			<b>Afternoon Break and Trade Show</b>						
<b>WEDNESDAY</b>	3:30 pm - 4:00 pm								
	04:00 PM - 05:30 PM	3	TBD	Defining and Aligning Critical Resilience Requirements	Federal Sustainable Design Approaches	Using Combined Heat and Power for Efficient Resilience	Operations and Maintenance	Data Center Optimization Strategies	Building Energy Management Systems
	08:30 AM - 10:00 AM	4	Energy Legislation in Congress	Assigning Value and Prioritizing Resilience Requirements	Data Centers	Integrating Renewables and Non-Renewables for Resilience	Lighting	How to Utilize and Secure Data from BEMS and FRCS	Existing Building Commissioning
	10:00 am - 10:30 am		<b>Morning Break and Trade Show</b>						
	10:30 AM - 12:00 PM	5	White House Directives	Measuring Success in Resilience	Designs for Resilience and Grid-Interactive Buildings	Community Involvement and Partnerships for Resilience	HVAC	Leveraging Data to Enhance Building Performance	Commissioning and Retuning
			<b>Lunch and Trade Show</b>						
<b>THURSDAY</b>	02:00 PM - 03:30 PM	6	Implementing Resiliency Policy	Creating Partnerships for Resilience	Designing Resilient Microgrids	Water Resilience Implementation	Commissioning	Energy Modeling for New and Retrofit Design	Deep Energy Retrofits
	3:30 pm - 4:00 pm		<b>Afternoon Break and Trade Show</b>						
	04:00 PM - 05:30 PM	7	DoD Deputy Assistant Secretary Panel	Turning Results into Actions	Incorporating Onsite Generation Design Using All of the Above	Benefits of Hybrid Energy Systems for Resilience	Water Essentials	Measurement & Verification and Ongoing Cx	Different Methods for Maintenance for Mission
	08:30 AM - 09:30 AM	8	TBD	Resilience Valuation	Smart Labs for Today's Energy Reality	Energy and Water Efficiency Measures for Resilience	Data Analytics	What to Do with Meter Data	O&M for Renewable and Distributed Power
	9:30 am - 10:00 am		<b>Morning Break</b>						
10:00 AM - 11:00 AM	9	State Energy Strategies and Policies	TBD	Effective Implementation of ASHRAE 90.1-2013	Overcoming Roadblocks to Project Implementation	Demand Response and Rates	Leveraging Audits and Evaluations for Resilience	Water/Lighting O&M and Ongoing M&V	
			<b>Lunch</b>						
			<b>FEDS Spotlight &amp; Closing Plenary</b>						

Look out for these offerings



NDA  
Aligned

Version: May 9, 2019 – subject to change *DRAFT: Session titles and schedule subject to change*





# Draft Agenda At A Glance: Tracks 8-13

August 20-22 • Colorado Convention Center • Denver, CO

Energy Exchange Welcome Monday, August 19, 5:00pm (Exhibit Hall)
Agency Meetings and Workshops Monday, August 19; Thursday, August 22; Friday, August 23

Energy Exchange 2019			Utilizing Effective, Efficient, and Secure Technologies			Leveraging Affordable Financing and Partnerships		
			TRACK 8	TRACK 9	TRACK 10	TRACK 11	TRACK 12	TRACK 13
			Advanced Effective Technologies	Cybersecurity Technologies and Control Systems	Optimized Fleets	Financing and Performance Contracting	Performance Assurance and Utility Partnerships	Financing for Resilience
Day	Time	Session	Room TBD	Room TBD	Room TBD	Room TBD	Room TBD	
TUESDAY	8:30 am - 10:00 am		Opening Plenary					
	10:00 am - 10:30 am		Morning Break and Trade Show					
	10:30 AM - 12:00 PM	1	New Energy Storage Technologies	Cybersecurity Introduction and Roles and Responsibilities of Cyber Stakeholders	Fleet Requirements	Selecting a Contracting Vehicle	Fundamentals of Performance Assurance	Making the Business Case for Resilience Projects
	12:00 pm - 2:00 pm		Lunch and Trade Show					
	02:00 PM - 03:30 PM	2	Distributed Energy Technologies	Cybersecurity Lifecycle	Vehicle Cybersecurity	Implementing ESPCs and ENABLE Projects	Performance Assurance: Development Period	Acquisition Strategies for Resilient Infrastructure
	3:30 pm - 4:00 pm		Afternoon Break and Trade Show					
	04:00 PM - 05:30 PM	3	Emerging Natural Gas Technologies	Cybersecurity Executed: Case Study	Electric Vehicle Supply Equipment	Implementing UESC Projects	Performance Assurance: Implementation and Construction Period	Utilizing ESPC and ENABLE Projects for Resilience
WEDNESDAY	08:30 AM - 10:00 AM	4	Advanced HVAC Technologies	Secure Integration of Disparate Facility Related Control Systems	Alternative Financing Models for Fleets	Critical Legal Topics in Contracting and Financing	Performance Assurance: Performance Period	UESC Projects and Resilience
	10:00 am - 10:30 am		Morning Break and Trade Show					
	10:30 AM - 12:00 PM	5	Indoor Environmental Quality, Building Health and Comfort	Smart Installations	Diesel Alternatives for Heavy Duty and Tactical Vehicles	Pricing: Best Practices and Evaluation Strategies	Federal Utility Partnerships	Resilience Risk Management Roundtable
	12:00 pm - 2:00 pm		Lunch and Trade Show					
	02:00 PM - 03:30 PM	6	Advanced Building Envelope Using 3D Printing, Modular Panels and More	IoT and Cloud for Energy Managers	FleetDASH	Non-Traditional Energy Partnerships	Utility Role in Financed Solutions	Resilience: Success Stories in Financing
	3:30 pm - 4:00 pm		Afternoon Break and Trade Show					
	04:00 PM - 05:30 PM	7	Evolution of Microgrid Controls: Past, Present and Future	Cybersecurity Assessment and Resilience Planning Essentials	Federal Automotive Statistical Tool	Performance Contracting and Risk Mitigation	Performance Assurance Best Practices Roundtable: The Good, The Bad, The Ugly	Bundling Funding and Financing to Deliver Resilient Infrastructure
THURSDAY	08:30 AM - 09:30 AM	8	Next Generation Smart City and Campus Solutions	Tools for Cybersecure Infrastructure and DER/DEG	Shuttles and Other Mobility Options	Executing Successful Financed Projects Overseas	Mitigating Long-term Performance Risk	Utilities Privatization and Resilience
	9:30 am - 10:00 am		Morning Break					
	10:00 AM - 11:00 AM	9	Integrating New Technologies with Financed Energy Projects	Implementing Wireless Solutions Today and in the Future	Telematics and Connected Vehicles	Trends in Performance Contracting	Utility Privatization: Are You Committed?	Perspectives on Valuing Resilience
	11:00 am - 11:30 am		Lunch					
	11:30 am - 12:30 pm		FEDS Spotlight & Closing Plenary					

Look out for these offerings

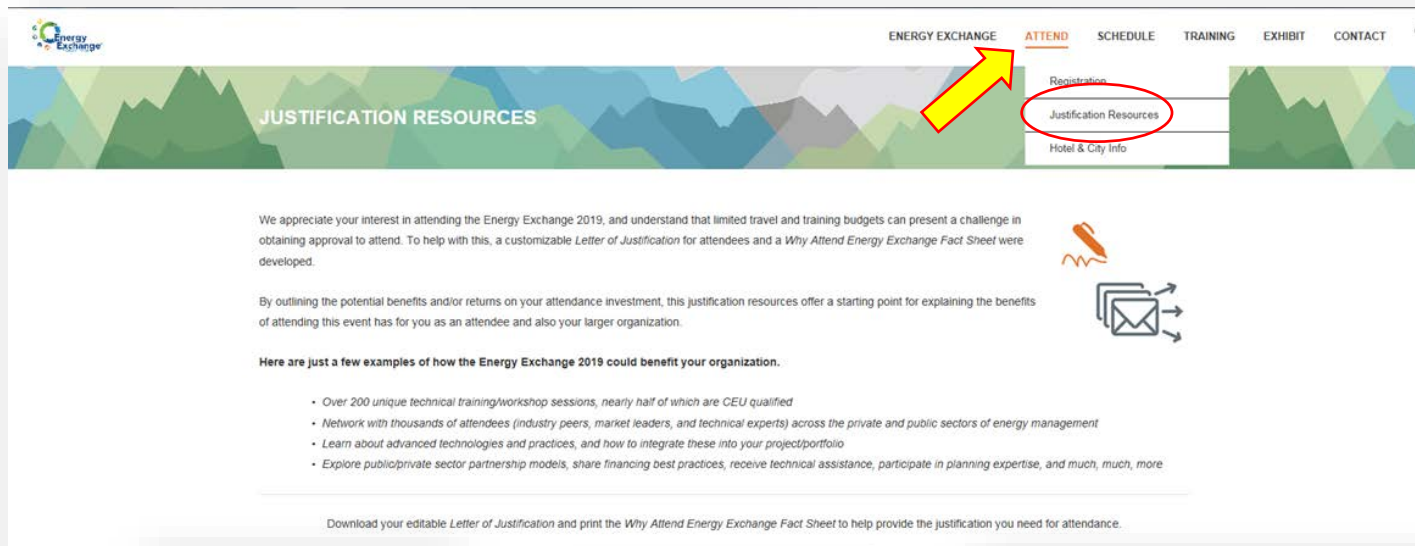


Version: May 9, 2019 – subject to change

*DRAFT: Session titles and schedule subject to change*



# Energy Exchange 2019 – Justification Resources



ENERGY EXCHANGE ATTEND SCHEDULE TRAINING EXHIBIT CONTACT

Registration  
Justification Resources  
Hotel & City Info

**JUSTIFICATION RESOURCES**

We appreciate your interest in attending the Energy Exchange 2019, and understand that limited travel and training budgets can present a challenge in obtaining approval to attend. To help with this, a customizable *Letter of Justification* for attendees and a *Why Attend Energy Exchange Fact Sheet* were developed.

By outlining the potential benefits and/or returns on your attendance investment, this justification resources offer a starting point for explaining the benefits of attending this event has for you as an attendee and also your larger organization.

Here are just a few examples of how the Energy Exchange 2019 could benefit your organization.

- Over 200 unique technical training/workshop sessions, nearly half of which are CEU qualified
- Network with thousands of attendees (industry peers, market leaders, and technical experts) across the private and public sectors of energy management
- Learn about advanced technologies and practices, and how to integrate these into your project/portfolio
- Explore public/private sector partnership models, share financing best practices, receive technical assistance, participate in planning expertise, and much, much, more

Download your editable *Letter of Justification* and print the *Why Attend Energy Exchange Fact Sheet* to help provide the justification you need for attendance.



**BE EFFICIENT AND RESILIENT**  
AUGUST 20-22, 2019

Energy Exchange 2019 is a cost-effective, agency-driven learning event for the federal energy management community. This year's theme - **Be Efficient and Resilient** - emphasizes the pathways and demand-side tools of federal energy and water management.

**COME TO ENERGY EXCHANGE 2019 TO SUPPORT:**

- AGENCY GOALS:** Agency leadership engagement, critical to success in all of our administration.
- MISSION READINESS:** Agency cost-effectiveness based on energy and water management, energy, water, and operations cost, and water, energy, and operations cost.
- WORKFORCE DEVELOPMENT:** Professional certification, training, and knowledge-based learning. Connecting across skills, the leading and dynamic nature of energy and water management.

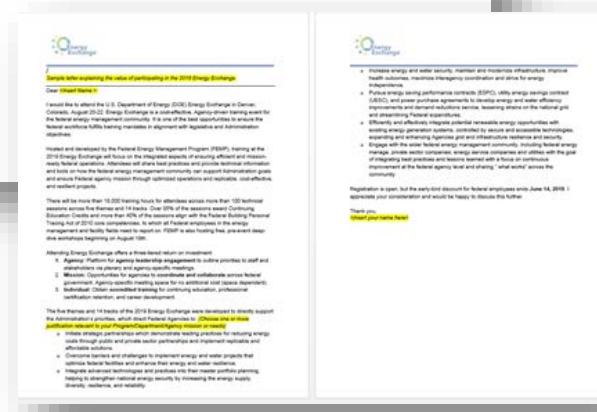
**TRAINING FOCUS AREAS**

- Energy Efficiency and Resilience
- Water and Energy
- Energy and Water
- Energy and Water

Energy Exchange Letter of Justification

Why Attend Energy Exchange – Fact Sheet

Now that you have your letter of justification, **Register to Attend!**



**Energy Exchange 2019**

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**TRAINING FOCUS AREAS**

- Energy Efficiency and Resilience
- Water and Energy
- Energy and Water
- Energy and Water

<https://www.energy-exchange.com/justification-resources/>



# FEMP Pre-Event Workshops – Draft Agenda

	FEMP Workshop Series 1 <i>Resilience Strategy and Technologies</i>	FEMP Workshop Series 2 <i>Demand Response and Financing for Resilience</i>	FEMP Workshop Series 3 <i>Building Design &amp; Operations</i>	FEMP Workshop Series 4 <i>Cyber-securing Facility Systems and Related Technologies</i>	FEMP Workshop Series 5 <i>Fleet and Data Center Technologies</i>	FEMP Workshop Series 6 <i>Financing Approaches for Federal Projects</i>	FEMP Workshop Series 7 <i>ESPC Phases to Success</i>
	Room #TBA	Room #TBA	Room #TBA	Room #TBA	Room #TBA	Room #TBA	Room #TBA
Session 1 8:00-10:00	WS1-S1 Technical Resilience Navigator: Resilient Portfolio Planning to Support Agency Mission		WS3-S1 Facility Re-tuning Overview Workshop			WS6-S1 UESC Executive Summary	WS7-S1 ESPC - 5 Phases to Success - Including Resilience
Session 2 10:15-12:15		WS2-S2 Load Reduction Planning with FEDS 8.0	WS3-S2 Sustainable Buildings Design and Requirements Workshop	WS4-S2 FEMP Federal Cybersecurity Training & Assessment	WS5-S2 Federal Fleet Management 101 Pre-Event Workshop	WS6-S2 ENABLE Overview & Strategic Use	
Session 3 1:15-3:15		WS2-S3 Demand Response and Load Management	WS3-S3 Energy Readiness Planning with 50001 Ready	WS4-S3 Distributed Energy Resource Cybersecurity Framework		WS6-S3 Assuring Performance	
Session 4 3:30-5:30		WS2-S4 Lessons Learned from Past Federal Distributed Energy Projects	WS3-S4 Water Balance Workshop	WS4-S4 Procuring Energy Efficient Emerging Technologies	WS5-S4 Exploring the Untapped Potential of Small and Medium Data Centers	WS6-S4 One e-Project Builder for all Energy Projects	

**FREE TO ATTEND**

*DRAFT: Session titles and schedule subject to change*

Note: You will need to pre-register through FREMP Training Website. Links to come shortly!



# Energy Exchange 2019 – *Check your E-mail*

## 2019 Energy Exchange future updates include:

- FEMP Hub schedules, services, and new features
- FEDS Spotlight event updates
- Plenary Speakers and key Agency leadership events
- Pre/Post event meetings and events



# Energy Exchange 2019 – *Sneak Peak at the “new” FEMP Hub!*



## FEMP HUB | DESIGN PROPOSAL

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Have Questions/Comments/Need Assistance?

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