



Virtual Workshop: Enhancing Community Energy Resilience through Federal Emergency Management Agency (FEMA) Building Resilient Infrastructure and Communities (BRIC) Program

In Partnership with the U.S. Department of Energy’s Office of Cybersecurity, Energy Security, and Emergency Response (CESER)

Tuesday, August 24 – Thursday, August 26, 2021

<i>Day 1: Lessons Learned from the Inaugural Year of BRIC</i>	
Tuesday, August 24, 2021	
Time (EDT)	Session Title, Description, and Speakers
12:30 – 1:00 PM	<p><i>Welcome, Opening Remarks, and Keynote for Day One</i></p> <p>The workshop will begin with day 1 focused on “<i>Lessons Learned from the Inaugural Year of BRIC,</i>” featuring a keynote from Puesh Kumar, Principal Deputy Assistant Secretary (PDAS) for the U.S. Department of Energy’s (DOE) Office of Cybersecurity, Energy Security, and Emergency Response (CESER). DOE is the primary federal energy sector partner for resilience and hazard mitigation. PDAS Kumar will cover the importance of partnerships, data, and proactive action needed to build resilience and mitigate hazards for the energy sector.</p> <p>Speakers:</p> <ul style="list-style-type: none"> • Moderator - David Terry, Executive Director, NASEO • Puesh Kumar, Principal Deputy Assistant Secretary, Office of Cybersecurity, Energy Security, and Emergency Response, U.S. Department of Energy
1:00 – 2:30 PM	<p><i>FY’20 BRIC Year in Review Panels</i></p> <p>This series of panels will feature stakeholders involved in the scoping, development, and submission of energy resilience projects to FEMA BRIC for the inaugural round of funding. The panels will highlight best practices of approved BRIC projects developed and submitted by State Energy Offices and also discuss known challenges for and shortfalls of energy resilience submissions to BRIC. Panelists will cover project eligibility fundamentals, stakeholder engagement processes, project scoping and intrastate coordination, financing, and development.</p>
1:00 – 1:30 PM	<p><i>State Allocation – Nevada Governor’s Office of Energy</i></p> <p>Speakers:</p>

	<ul style="list-style-type: none"> • Moderator - Jennifer Taylor, Deputy Director, Nevada Governor’s Office of Energy • Janell Woodward, State Hazard Mitigation Officer, Nevada Division of Emergency Management • Carissa Rey, Academic & External Affairs Officer, University Medical Center of Southern Nevada • Suzanne Groneman, Sustainability Program Manager, City of Reno • Jodi Bechtel, Assistant Director, Clark County, Nevada Department of Environment and Sustainability
1:30 – 2:00 PM	<p>State Allocation – Kentucky Office of Energy Policy</p> <p>Speakers:</p> <ul style="list-style-type: none"> • Moderator – Kenya Stump, Director, Office of Energy Policy, Kentucky Energy and Environment Cabinet • Amanda LeMaster, Energy Assurance and Efficiency Coordinator, Office of Energy Policy, Kentucky Energy and Environment Cabinet • Nick Grinstead, Planning Grants Manager & Program Coordinator, Hazard Mitigation Grant Program, University of Kentucky Martin School of Public Policy and Administration
2:00 – 2:30 PM	<p>State Allocation, Small Impoverished Community – James Madison University</p> <p>Speakers:</p> <ul style="list-style-type: none"> • Moderator – Ken Jurman, Renewable Energy Program Manager, Virginia Department of Mines, Minerals, and Energy • Dr. Jonathan Miles, Professor of Integrated Science and Technology, and Executive Director of the Center for the Advancement of Sustainable Energy at James Madison University
2:30 – 3:15 PM	Q&A Breakouts
3:15 – 3:30 PM	BREAK
3:30 – 5:00 PM	<p>Lessons Learned and Opportunities Presented by the Benefit Cost Analysis (BCA)</p> <p>Panelists will discuss the Benefit Cost Analysis (BCA) toolkit, used by FEMA to evaluate the future risk reduction benefits of a project to compare against the project cost. Panelists will outline ongoing efforts to update the BCA. Lastly, panelists will share helpful tips that can be used during BRIC project development to improve BCA scores.</p>

	<p>Speakers:</p> <ul style="list-style-type: none"> • Moderator – Ben Bolton, Tennessee Department of Environment and Conservation • Robyn Fennig, Hazard Mitigation Section Supervisor, Wisconsin Emergency Management • Annie Vest, Planning and Grants Department Manager, Meshek & Associates • Dr. Nichole Hanus, Project Scientist, Electricity Markets and Policy Department, Lawrence Berkeley National Laboratory
5:00 PM	<p><i>Closing Remarks and Day 2 Preview</i></p> <ul style="list-style-type: none"> ▪ NASEO

<i>Day 2: Key Relationships for Accessing BRIC Funds for Local Energy Resilience</i>	
Wednesday, August 25, 2021	
Time (EDT)	Session Title, Description, and Speakers
12:30 – 1:00 PM	<p><i>Keynote and Opening Remarks for Day Two</i></p> <p>Day 2 on “<i>Key Relationships for Accessing BRIC Funds for Local Energy Resilience</i>” will continue with keynote remarks provided by Katherine Fox and moderated by Kelley Smith Burke, Director of the Florida Office of Energy. Similar to disaster response and recovery, energy resilience through BRIC is locally executed, state managed, and federally supported. This discussion will center on the importance of relationships between local, state, and federal officials and their private sector partners when developing effective strategies to enhance energy resilience.</p> <p>Speakers:</p> <ul style="list-style-type: none"> ▪ Moderator – Kelley Smith Burk, Director, Office of Energy, Florida Department of Agriculture and Consumer Services; Chair, NASEO Board of Directors ▪ Katherine Fox, Assistant Administrator for Mitigation, Federal Emergency Management Agency
1:00 – 1:30 PM	<p><i>Electric Cooperative Perspectives on Hazard Mitigation and Resilience</i></p> <p>Rural electric cooperatives are unique entities in the hazard mitigation space: as non-profit entities, they serve the vast majority of rural electric customers and are eligible standalone local entities for BRIC funding. Rural electric cooperatives face unique challenges when it comes to hazard mitigation funding, including BCA valuation and prioritization. This session will feature representatives who will speak to the rural electric cooperative perspective on energy resilience.</p>

	<p>Speakers:</p> <ul style="list-style-type: none"> • Moderator – Shelly Peterson, Program Manager, Energy Office, Iowa Economic Development Authority • Tim Marienau, Chief Executive Officer, Prairie Energy • Ray Rhash, Rate and Budget Analyst, Florida Keys Electric Cooperative
1:30 – 2:30 PM	<p><i>Key Relationships: Local Engagement and Strategic Prioritization</i></p> <p>A successful energy resilience strategy is contingent upon input and coordination from local officials, state energy officials, and state emergency managers. Each partner has unique expertise and perspective which can contribute to determining real risks, identifying appropriate solutions, and navigating procedures in complex environments. This session will feature experienced speakers from each of three key stakeholder groups to discuss successful approaches to local energy resilience, including risk assessments, project eligibility determination, and prioritization.</p> <p>Speakers:</p> <ul style="list-style-type: none"> ▪ Moderator – Megan Levy, Local Energy Programs Manager, Wisconsin Office of Energy Innovation ▪ Sushma Masemore, Deputy Assistant Secretary for Environment, State Energy Director, North Carolina Department of Environment and Natural Resources ▪ JaLeesa Tate, State Hazard Mitigation Officer, Maryland Emergency Management Agency ▪ Dr. Katya Wowk, Director of Texas OneGulf, Senior Associate for Strategic Planning & Policy, Harte Research Institute for Gulf of Mexico Studies
2:30 – 3:15 PM	<p><i>BRIC, BCA, ESPC, SHMO, CHP, CTP, DER, SAIDI—Oh my! Overcoming Language and Organizational Barriers within the Energy-Emergency Management Nexus</i></p> <p>Energy resilience projects bring together energy experts and hazard mitigation professionals. Each come with their own language and expertise. Language and organizational barriers can inhibit, engagement, communications, and operational efficiency. This session will feature speakers who have served both as emergency managers and state energy officials. Panelists will provide insight into how emergency managers have historically viewed the energy sector (and vice versa), strategies that can be employed for mutually beneficial education, and how state energy offices can best present energy sector terminology and resilience perspectives to emergency management entities.</p> <p>Speakers:</p> <ul style="list-style-type: none"> ▪ Moderator – Amanda LeMaster, Energy Assurance and Efficiency Coordinator, Office of Energy Policy, Kentucky Energy and Environment Cabinet ▪ Paul Holloway, Emergency Planning and Energy Analyst, Massachusetts Department of Energy Resources

	<ul style="list-style-type: none"> ▪ JB Cuartas, Director, Reliability and Security Division, New Jersey Board of Public Utilities ▪ Eli King, State Energy Emergency Management Director, Department of Commerce, Washington State
3:15-3:30 PM	BREAK
3:30 – 4:00 PM	<p><i>Equitable Energy Risk Assessment and Management: Fireside Chat with National Grid</i></p> <p>Risk assessment is an imperfect discipline. State and federal perceptions of risk do not always conform to local realities. As such, historically underrepresented and marginalized demographics have not received adequate or appropriate resources needed to become more resilient. Yet, often these communities are the most impacted by energy emergencies. Further, such communities may have trouble identifying and accessing energy resilience resources that are available due to excessive administrative or technical burdens. What can energy sector partners do to ensure that risk metrics are equitable and that resilience resources are attainable for disadvantaged communities? How can BRIC prioritization and selection be used to address resilience inequalities and support energy justice in the face of climate change? This panel will explore these questions.</p> <p>Speakers:</p> <ul style="list-style-type: none"> ▪ Moderator – Sandy Fazeli, Managing Director, Policy, NASEO ▪ Judith Judson, US Vice President of Strategy, National Grid
4:00 – 4:30 PM	BREAK
4:30 – 5:30 PM	<p><i>Addressing the State and Local Cost Share: Public-Private Partnership Opportunities with Eligible Funding</i></p> <p>States and communities have noted that one of the largest hurdles—and in many cases, a non-starter—to a successful BRIC application is the cost burden on states and localities. Energy resilience projects offer a plethora of unique funding options that can help ease state burdens. This session will highlight innovative funding pathways and clarify cost-share eligibility concerns for energy resilience projects under BRIC.</p> <p>Speakers:</p> <ul style="list-style-type: none"> ▪ Moderator – Edward O’Brien, Lead Economist, State Energy Office, Louisiana Department of Natural Resources ▪ Tom Hughes, State Hazard Mitigation Officer, Pennsylvania Emergency Management Agency ▪ Michael Wilson, Senior Account Executive, Performance Infrastructure, Johnson Controls ▪ Mark Fowler, Director, Government Relations, Ameresco ▪ Juan Macias, CEO, AlphaStruxure LLC

5:30 PM	<i>Closing Remarks and Day 3 Preview</i> <ul style="list-style-type: none">▪ NASEO
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Day 3: Innovative Opportunities for Energy Sector Hazard Mitigation

Thursday, August 26, 2021

Time (EDT)	Session Title, Description, and Speakers
12:30 – 1:00 PM	<p>Keynote and Opening Remarks for Day Three</p> <p>The third and final day on “<i>Innovative Opportunities for Energy Sector Hazard Mitigation</i>” will commence with opening remarks from Kelly Speakes-Backman, Acting Assistant Secretary and Principal Deputy Assistant Secretary for the U.S. Department of Energy’s Office of Energy Efficiency and Renewable Energy (US DOE EERE). As DOE’s primary driver of clean energy technology, EERE is actively engaged in enhancing and proliferating clean energy technology for resilience purposes. Through its State Energy Program, EERE has supported State Energy Office resilience activities for years. Acting AS Speakes-Backman will tee up the day’s presentations on energy resilience solutions with remarks on the importance of clean, resilient technology in the face of climate change and increasingly severe and frequent hazards.</p> <p>Potential Speakers Include:</p> <ul style="list-style-type: none"> ▪ Moderator – Scott Glenn, Director, Hawaii Energy Office ▪ Kelly Speakes-Backman, Acting Assistant Secretary and Principal Deputy Assistant Secretary, Office of Energy Efficiency and Renewable Energy, U.S. Department of Energy (US DOE EERE)
1:00 – 2:00 PM	<p>Hazard-Specific Solutions: Hurricanes, Extreme Wind, and Flooding</p> <p>This session will highlight solutions, technologies, and strategies that can be employed by states to mitigate impacts to the energy system caused by hurricanes, extreme wind, and flooding. These solutions may be eligible for BRIC funding depending on state eligibility requirements and priorities.</p> <p>Speakers:</p> <ul style="list-style-type: none"> ▪ Moderator – Kristofor Anderson, Director of Energy Resources, Georgia Environmental Finance Authority ▪ Brenna Mahoney, Sustainability Specialist, Climate Resilience Team, PG&E ▪ Darin Painter, VP of Sales, Stationary Power, Plug Power
2:00 – 3:00 PM	<p>Hazard-Specific Solutions: Wildfires, Droughts, Earthquakes, and Flooding</p> <p>This session will highlight solutions, technologies, and strategies that can be employed by states to mitigate impacts to the energy system caused by wildfires, droughts, and earthquakes. These solutions may be eligible for BRIC funding depending on state eligibility requirements and priorities.</p> <p>Speakers:</p>

	<ul style="list-style-type: none"> ▪ Moderator – Rob Del Mar, Senior Policy Analyst: Solar, Community Renewables, Geothermal, Regional Solutions, Oregon Department of Energy ▪ Moderator – Adam Schultz, Lead, Electricity & Markets Policy Group, Oregon Department of Energy ▪ Dinesh Sharma, Head of Products, Jupiter Intelligence ▪ Don Wingate, Vice President, Utility and Microgrid Solutions, Schneider Electric
3:00 – 3:15 PM	BREAK
3:15 – 4:15 PM	<p><i>Hazard-Specific Solutions: Extreme Heat and Cold</i></p> <p>This session will highlight solutions, technologies, and strategies that can be employed by states to mitigate impacts to the energy system caused by extreme heat and cold. These solutions may be eligible for BRIC funding depending on state eligibility requirements and priorities.</p> <p>Speakers:</p> <ul style="list-style-type: none"> ▪ Moderator – Kirsten Verclas, Senior Program Director, Electricity Program, NASEO ▪ Tanya Bodell, Executive Director of Energy, President of the Northeast Energy and Commerce Association (NECA), and Chair of the Town of Cohasset Alternative Energy Committee ▪ Paul Wilkins, Vice President, Federal Policy, Bloom Energy ▪ Ellen Franconi, Senior Research Engineer, Building Codes Program, Pacific Northwest National Laboratory
4:15 – 4:30 PM	<p><i>Closing Remarks</i></p> <ul style="list-style-type: none"> ▪ NASEO