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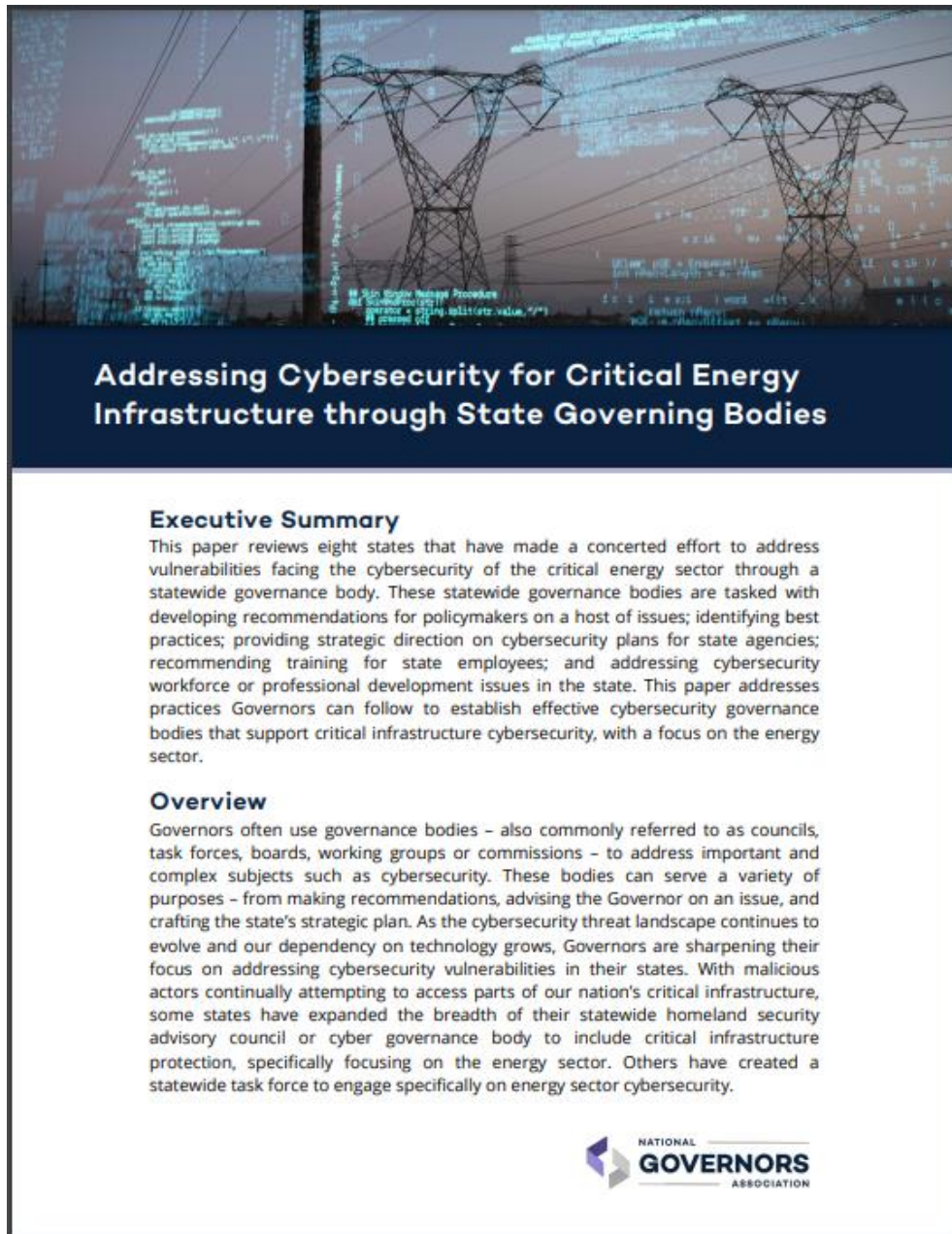
# Governors' Advisors Energy Policy Institute

June 24 & July 13-15, 2021

NGA Center for Best Practices

# Day 3: Energy Resilience and Security

Wednesday, July 14



# Addressing Cybersecurity for Critical Energy Infrastructure through State Governance Bodies

- Approaches to improve energy cybersecurity through state governance structures
- Profile of eight state governance bodies

Report available at:

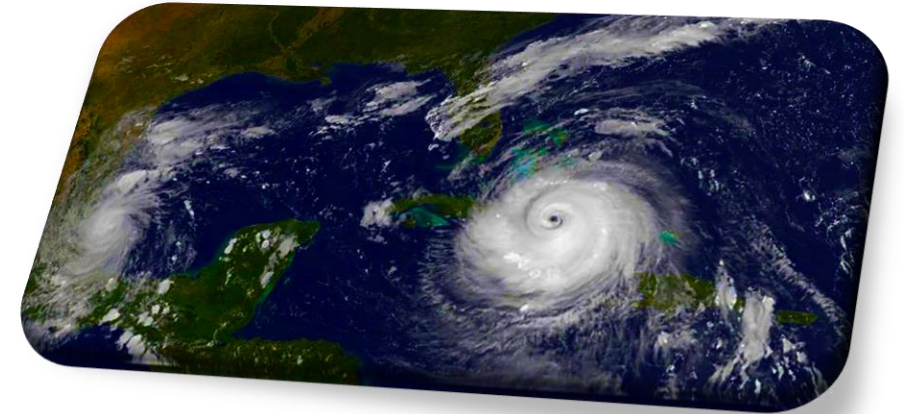
<https://www.nga.org/center/publications/addressing-cybersecurity-for-critical-energy-infrastructure-through-state-governing-bodies/>

# State Resilience Assessment & Planning Tool (SRAP Tool)

Self-assessment led by Governor's Offices, completed with input from other agencies and state officials.

Energy and infrastructure focus, with five sections:

1. *Establishing Effective Governance*
2. *Evaluating and Mitigating Risk*
3. *Assessing Vulnerabilities to Critical Infrastructure*
4. *Mitigating Economic Consequences and Financing Resilience*
5. *Strengthening Community Ties*



Download the tool at: <https://www.nga.org/center/publications/state-resilience-assessment-planning-tool/>

# Preview of Today's Agenda

- 12:00 to 1:00 PM – Cybersecurity Briefing
- 1:00 to 1:30 PM – Energy Resilience Funding and FEMA's Building Resilient Infrastructure and Communities (BRIC) Program
- 1:30 to 2:30 PM – Planning and Policy Strategies to Achieve Near-Term State Goals
- 2:30 PM – End of Day

# Energy Cybersecurity Briefing

## *Speakers:*

**Ben Deering**, Chief, Analysis and Collection Advancement Group, National Counterintelligence and Security Center, Office of the Director of National Intelligence

**Jonathan Bransky**, Director Threat Intelligence, Corporate Intelligence and Security, Dominion Energy

**Jonathan Nunez**, Commander, California Cybersecurity Integration Center, California Governor's Office of Emergency Services

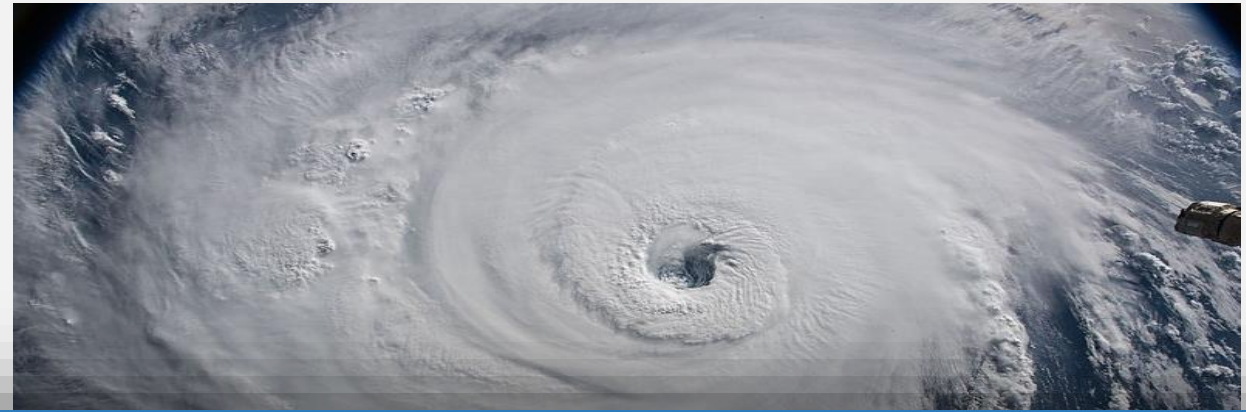
## *Moderator:*

**Brandi Martin**, SLTT Program Manager, Office of Cybersecurity, Energy Security, and Emergency Response, U.S. Department of Energy



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U.S. DEPARTMENT OF  
**ENERGY**

OFFICE OF  
Cybersecurity, Energy Security,  
and Emergency Response

# NGA Energy Policy Institute: State Energy Cybersecurity Briefing

Brandi Martin

July 14, 2021



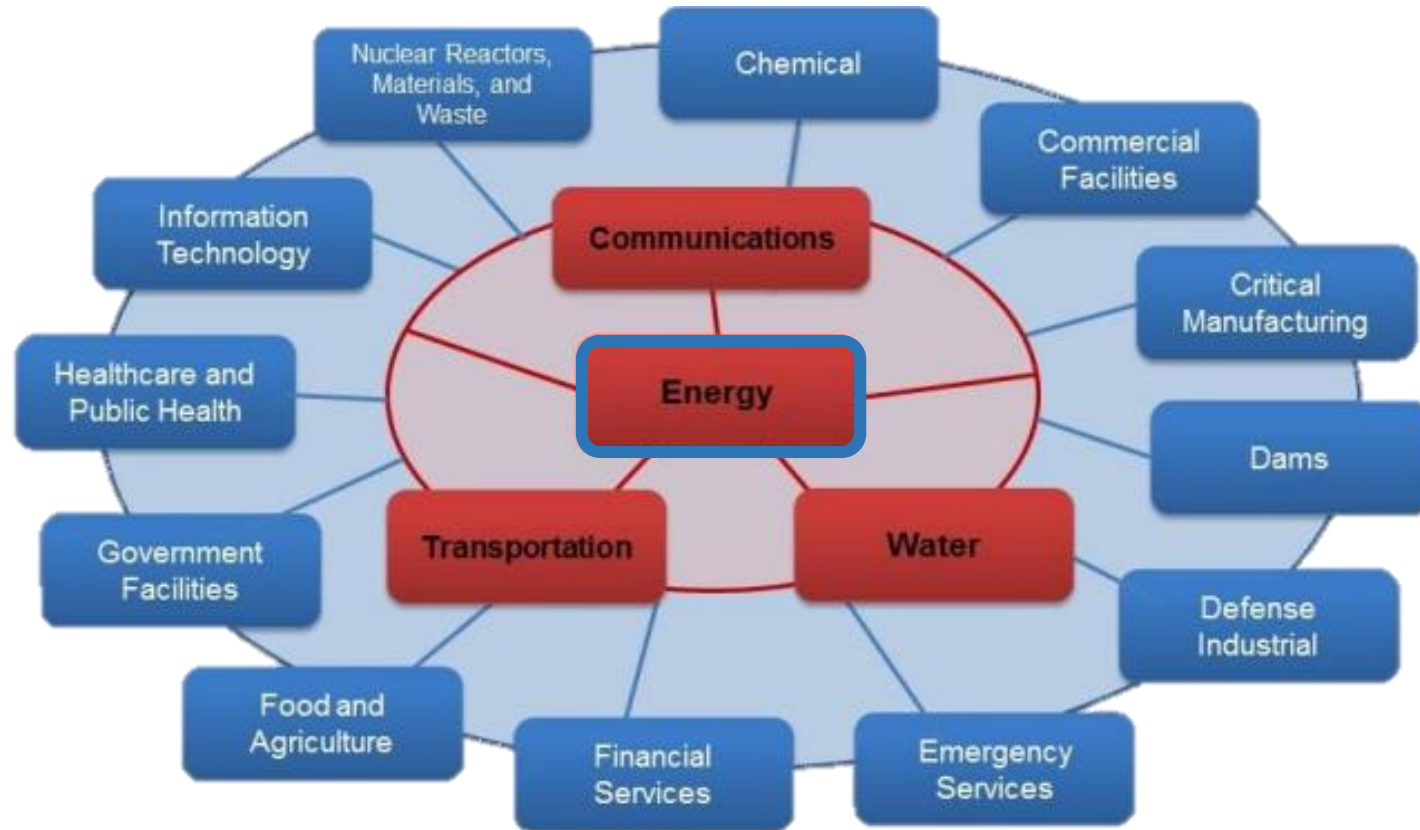




**Energy**  
It Powers our  
Lives and the  
Economy



# Critical Infrastructure Interdependencies



*Presidential Policy Directive 21 identifies the Energy Sector as uniquely critical because it provides an “enabling function” across all critical infrastructure sectors.*

# CESER's Cybersecurity Efforts



Department of Energy

## Biden Administration Takes Bold Action to Protect Electricity ...

This 100 day plan—a coordinated effort between DOE, the electricity ... the electricity ... rely on to power our homes and businesses,” ...

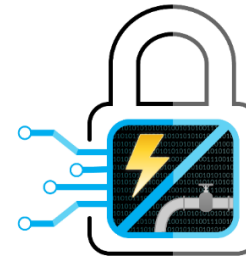
Apr 20, 2021

**100-Day Plan Goal:** Enhance cybersecurity in the electricity sector by assisting companies as they take concrete measures like deploying sensors to detect cyber threats and improve response capabilities in near real-time on critical networks.

## Partners:



# ESCC

Electricity Subsector  
Coordinating Council

**U.S. DEPARTMENT OF ENERGY'S**

# CYBERFORCE™ COMPETITION

DEFENDING U.S. ENERGY INFRASTRUCTURE

# Cybersecurity Risk Information Sharing Program (CRISP)

## Cybersecurity Capability Maturity Model (C2M2)



# CESER Collaboration Across the Energy Sector

State, Local, Tribal, and  
Territorial (SLTT)  
Government Coordination



Electricity Subsector  
Coordinating Council

Who

Utility and trade CEOs and  
CISOs/CIOs

Purpose

Coordinate efforts to prepare  
for and respond to national-  
level disasters or threats to  
critical infrastructure.

Working  
Groups

- Vision and Planning
- Threat Information Sharing
- Industry-Government Coordination
- Research & Development
- Cross-Sector Liaisons



OIL AND  
NATURAL GAS  
SECTOR  
COORDINATING  
COUNCIL

Who

Oil & natural gas trade  
associations and their  
members

Purpose

Coordinate security strategies,  
policy, and communications  
across the sector to support  
the nation's security mission.

Working  
Groups

- Cyber
- Information Sharing
- Emergency Management
- Law Enforcement Engagement
- Pipelines

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# Energy Resilience Funding and FEMA's Building Resilient Infrastructure and Communities (BRIC) Program

*Speaker:*

**Camille Crain**, BRIC Section Chief, Federal Emergency Management Agency

# Building Resilient Infrastructure and Communities (BRIC)

Camille Crain | July 14, 2021



FEMA

# Building Resilient Infrastructure and Communities (BRIC)

## Guiding Principles



Support Community Capability & Capacity Building



Encourage and Enable Innovation



Promote Partnerships



Enable Large Infrastructure Projects



Maintain Flexibility



Provide Consistency



**FEMA**

## Supports FEMA's Strategic Plan

1

Build a Culture of Preparedness

2

Ready the Nation for Catastrophic Disasters

3

Reduce the Complexity of FEMA





## BRIC FY 2020 Priorities

- Encourage public infrastructure projects
- Increase projects that mitigate risk to one or more lifelines
- Promote projects that incorporate nature-based solutions
- Incentivize adoption and enforcement of modern building codes



# BRIC FY 2021 NOFO and 2020 Project Selections

FY 2020 Cycle: FEMA announced BRIC sections in July 2021



FY 2021 Cycle: FEMA will publish FY 2021 BRIC NOFO this Summer



FEMA

# BRIC Funding

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President Biden announced **\$1 billion** will be directed to BRIC



- **State/Territory Allocation**

- All 50 states, the District of Columbia, and U.S. territories may apply under the State/Territory Allocation

- **Tribal Set-Aside**

- All Tribal governments (federally recognized) may apply under the Tribal Set-Aside

- **National Competition for Mitigation Projects**



**FEMA**

# BRIC Uses of Assistance

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Uses of Assistance	State/Territory Allocations	Tribal Set-Aside	National Competition for Mitigation Projects
Management Costs	✓	✓	✓
Capability- and Capacity-Building Activities	✓	✓	
Mitigation Projects	✓	✓	✓

# BRIC Applicant and Subapplicant Eligibility

## Who is eligible for funding?

### Applicants:

- ✓ All 50 States
- ✓ U.S. territories
- ✓ Federally recognized Indian Tribal Governments
- ✓ District of Columbia



District of Columbia



### Subapplicants:

- ✓ Local Governments
- ✓ Indian Tribal Governments
- ✓ State Agencies
- ✓ Tribal Agencies



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# FY 2020 BRIC – Technical Criteria



20  
points

Infrastructure  
project



15  
points

Mitigating risk to one or  
more lifelines



10  
points

Incorporation of  
nature-based solutions



20  
points

Applicant has  
mandatory building code  
adoption requirement  
(2015 or 2018 versions of  
International Building Code and  
International Residential Code)



15  
points

Subapplicant has  
Building Code  
Effectiveness Grading  
Schedule Rating of 1 to 5



10  
points

Application generated  
from a previous FEMA  
Hazard Mitigation  
Assistance Advance  
Assistance award



5  
points

Increased  
non-federal cost  
share



5  
points

Designation as a  
small impoverished  
community



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# FY 2020 BRIC – Qualitative Criteria

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## BRIC – Direct Technical Assistance

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Non-financial Direct Technical Assistance will be provided to selected communities to support the mitigation outcomes listed below:



**FEMA**

# FY 2020 BRIC Submissions and Selections

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- **\$500 million** was made available for funding
- FEMA received requests for **\$3.6 billion** in applications, with total proposed project costs exceeding **\$5.49 billion**
- **991** subapplications were submitted
- **406** of the subapplications have been selected for further review
- Total project costs for selections exceed **\$1.18 billion**
- 53 states and territories applied and all had selections
- 40 tribes applied and 38 were selected for further review



<https://www.fema.gov/grants/mitigation/building-resilient-infrastructure-communities/fy2020-subapplication-status>



# FY 2020 BRIC Competitive Selections: Competition

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\$17.17 million average federal share



2 small and impoverished community projects



All infrastructure projects protecting lifelines

**22 Projects  
Selected**

18 projects include nature-based solutions



All projects selected came from applicants that had mandatory statewide adopted building codes



**FEMA**

# FY 2020 BRIC Selections: Project Types

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## Project Types Selected:

- 12 Flood Control
- 4 Utility and Infrastructure Protection
- 2 Relocation
- 1 Elevation (Roadway)
- 1 Floodproofing
- 1 Saferoom/Shelter
- 1 Wildfire

12 Phased Projects

## Top 5 project types total project costs:

1. Flood Control = \$550 million
2. Utility/Infrastructure Protection = \$91.3 million
3. Wildfire Management = \$49.3 million
4. Relocation = \$21.9 million
5. Saferoom/shelters = \$15.2 million



# FY 2020 BRIC Selections: Small Impoverished Communities

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- FEMA received 98 small impoverished communities subapplications
- FEMA **selected 46 project subapplications** totaling **\$39.2 million** in project costs
- For FY 2020, the number of small impoverished selections represents about **46.9%** of all small impoverished subapplications submitted, and **11.3%** of all subapplications selected

## Small Impoverished Communities:

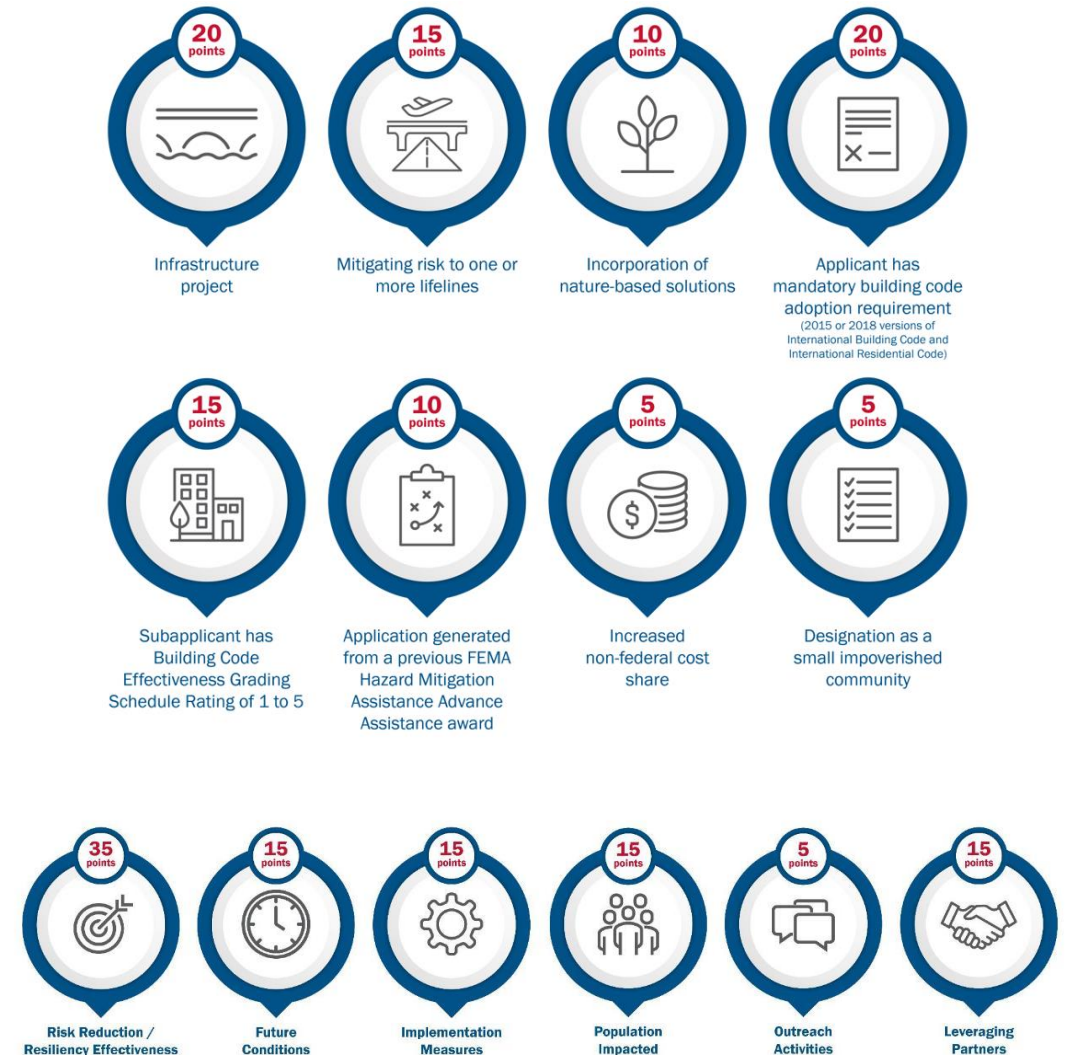
- Population < 3,000
- Residents with an average per capita annual income not exceeding 80 percent of the national per capita income

# FY 2020 BRIC Selections: Best Practices

- Ensure eligibility requirements are met
- Maximize State/Territory Allocation and Tribal Set-Aside
- Review Technical and Qualitative Criteria

## Projects Must:

- Be cost-effective
- Reduce/eliminate risk and damage from future natural hazards
- Meet latest two consensus codes
- Align with Hazard Mitigation Plan
- Meet all environmental and historic preservation (EHP) requirements





# 2021 BRIC and FMA Programs Webinar Series

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Date and Time	Webinar Topic
July 28 2-3:30 pm ET	Climate Change, Future Conditions, and Nature-based Solutions
August 4 2-3:30 pm ET	BRIC and FMA FY 2020 Data and Trends
August 11 4-5:30 pm ET	BRIC and FMA FY 2021 NOFO Webinar #1
August 18 2-3:30 pm ET	Where Equity Fits into the BRIC and FMA Program Design and Community Resilience
August 24 2-3:30 pm ET	Severe Repetitive Loss/Repetitive Loss Mitigation Priorities
August 26 2-3:30 pm ET	BRIC and FMA FY 2021 NOFO Webinar #2
September 8 2-3:30 pm ET	BRIC FY 2021 NOFO Technical and Qualitative Criteria
September 13 2-3:30 pm ET	BRIC and FMA FY 2021 NOFO Tribal Webinar
October 13 2-3:30 pm ET	Federal Agency Roundtable



**FEMA**

# 2021 BRIC and FMA Programs Webinars and Office Hours

- Application Pitfalls Webinars:
  - September 1 and 20
- FEMA's Hazard Mitigation Assistance Division will hold office hours for the BRIC and FMA Programs on the following dates:
  - October 19, 21, 26, and 28



Full schedule of BRIC and FMA Programs Webinars available at:  
<https://www.fema.gov/grants/mitigation/2021-building-resilient-infrastructure-and-communities-and-flood-mitigation-assistance-programs>



**FEMA**

# BRIC Program Support Materials

- [BRIC Website](#)
- [FY 2020 BRIC Notice of Funding Opportunity](#)
- [BRIC Technical Criteria](#)
- [BRIC Qualitative Criteria](#)
- [Mitigation Action Portfolio](#)
- [BRIC Building Code Activities](#)
- [BRIC Partnership Activities](#)
- [BRIC Project Scoping Activities](#)
- [BRIC Mitigation Planning Activities](#)
- [BRIC Direct Technical Assistance](#)
- [HMA Cost Share Guide](#)

## Other Resources:

- Community Lifelines Implementation Toolkit: <https://www.fema.gov/media-library/assets/documents/177222>
- Benefit Cost Analysis (BCA): [www.fema.gov/benefit-cost-analysis](http://www.fema.gov/benefit-cost-analysis)
- Hazard Mitigation Planning: <https://www.fema.gov/hazard-mitigation-planning>
- ISO Mitigation – Building Codes <https://www.isomitigation.com/bcegs/>
- FEMA GO – [www.fema.gov/grants/guidance-tools/fema-go](http://www.fema.gov/grants/guidance-tools/fema-go)
- Sign up for BRIC and HMA Updates: [https://public.govdelivery.com/accounts/USDHSFEMA/subscribe/new?topic\\_id=USDHSFEMA\\_477](https://public.govdelivery.com/accounts/USDHSFEMA/subscribe/new?topic_id=USDHSFEMA_477)



# FEMA

Thank you!



FEMA



# Energy Resilience Funding and FEMA's Building Resilient Infrastructure and Communities (BRIC) Program

*Speaker:*

**Camille Crain**, BRIC Section Chief, Federal Emergency Management Agency



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# Energy Security: Lessons to be Learned from the Last Year

*Speakers:*

**Letha Tawney**, Commissioner, Oregon Public Utility Commission

**Ben Bolton**, Energy Programs Administrator, Office of Energy Programs,  
Tennessee Department of Environment & Conservation

**Brad Viator**, Vice President, External Affairs, Edison Electric Institute

*Moderator:*

**Dan Lauf**, Program Director, NGA Center

# Preview of Tomorrow's Agenda

- 1:00 to 1:25 PM – Opening Keynote: The Energy Workforce of the Future
- 1:25 to 2:00 PM – Energy Job Opportunities – Growth Sectors & Emerging Areas
- 2:00 to 2:30 PM – Ensuring a Just Energy Transition
- 2:30 to 3:00 PM – Workforce Development: Education & Retraining
- 3:00 to 3:30 PM – What Governors Can Do – Policy Solutions

# Wrap-Up and End of Day 3

2:30 PM ET





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**Thank You!**