

# The Meaning of the Building Resilient Infrastructure and Communities (BRIC) Name

July 8, 2020



Photo of Memphis, Tennessee



FEMA





Photo of Miami, Florida

# Agenda

- **Welcome**  
Administrator Pete Gaynor, FEMA
- **State Perspective:**  
Russell Strickland, Maryland Emergency Management Agency
- **BRIC Overview:**  
Camille Crain, FEMA
- **Defining Infrastructure and Resilience:**  
Janan Reilly, FEMA
- **Defining Resilient Communities:**  
Angie Gladwell, FEMA
- **Partnerships:**  
Camille Crain, FEMA

# Pete T. Gaynor

## FEMA Administrator







# State Perspective

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Russell Strickland, Maryland Emergency  
Management Agency

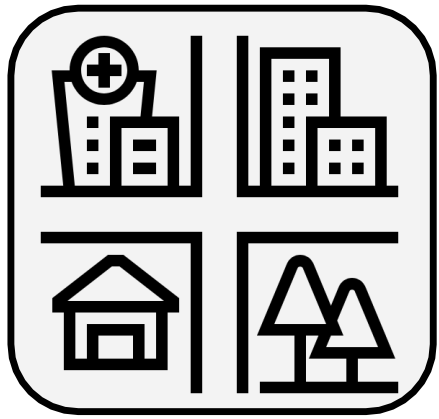
# BRIC Engagement Series - State Perspective



## **Russ Strickland**

Executive Director, Maryland Emergency Management Agency  
Co-Chair, Resilience Committee, National Emergency Management Association

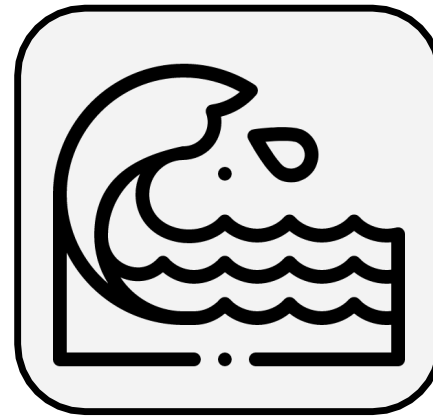
# Maryland - State Perspective



Community-  
based  
projects



Partnerships &  
innovative  
funding



Vulnerability -  
new Emergency  
Management



Garden City  
Mobile Home  
Park Project

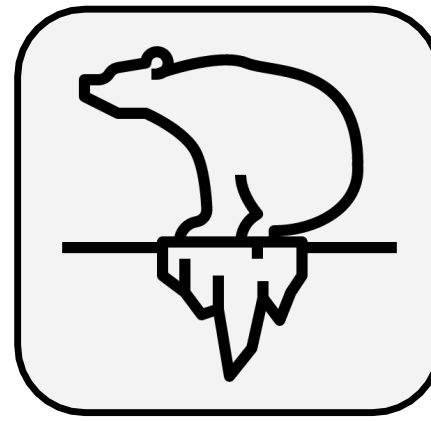
# NEMA - Nationwide Perspective



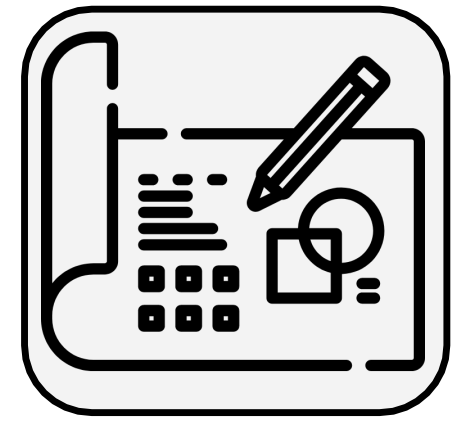
BRIC - Potential  
for significant risk  
reduction



Flexible programs -  
allow for innovation



Changing nature  
of threat & hazard



Large-scale  
infrastructure  
projects





# Maryland

EMERGENCY MANAGEMENT  
AGENCY

*The mission of the Maryland Emergency Management Agency is to proactively reduce disaster risks and reliably manage consequences through collaborative work with Maryland's communities and partners.*





# BRIC Overview

Camille Crain, FEMA

# BRIC Background

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Disaster Recovery Reform Act (DRRA)  
Section 1234



**Building Resilient Infrastructure and Communities  
(BRIC)**



# BRIC's Guiding Principles

## Guiding Principles



Support Community  
Capability & Capacity Building



Encourage and Enable  
Innovation



Promote Partnerships



Enable Large Infrastructure  
Projects



Maintain Flexibility



Provide Consistency

## Supports FEMA's Strategic Plan

1

Build a Culture of  
Preparedness

2

Ready the Nation for  
Catastrophic Disasters

3

Reduce the Complexity  
of FEMA



# What is new and different about BRIC?

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## Sets Clear Priorities

- Lifelines & infrastructure projects
- Building codes
- Shared responsibility & partnerships
- Innovative projects

## Builds Capability

- Capability & capacity-building activities
- In-person non-financial technical assistance
- The Mitigation Action Portfolio – selection of case studies

## Increases Flexibility

- Reduces limitations
- Increases caps
- Allows pre-award costs

## Streamlines Processes

- New application process through FEMA GO
- Project extensions
- Phased projects







# Defining Infrastructure and Resilience

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Janan Reilly, FEMA



# What is Resilient Infrastructure?

## Infrastructure:

Critical physical structures, facilities, and systems that provide support to a community, its population, and economy



Wastewater Treatment Plant in Lincoln, NE



Community Center in Belmont, CA



# What is Resilient Infrastructure?

## Infrastructure:

**Critical** physical structures, facilities, and systems that provide support to a community, its population, and economy

## Critical:

Critical can be defined by your community. This can be anything that is important to the function of YOUR community



Landslide mitigation retention wall in WA



Fire station near Kodiak, AK

# How Does FEMA Define “Resilience”?

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**Resilient** and **Resiliency** mean being able to prepare for anticipated hazards, adapt to changing conditions, and withstand and recover rapidly from disruptions.



Rain gardens in Washington, DC



Wildfire community education in CO

# How Does FEMA Define “Resilience”?

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**Resilient** and **Resiliency** mean able to prepare for anticipated hazards, adapt to changing conditions, and withstand and recover rapidly from disruptions.

- **Prepare** – incorporate changing conditions (environmental, population, development) and analyze community risk
- **Adapt** – implement higher building codes and standards, integrate community plans and leverage best planning practices
- **Withstand** – utilize strong communication networks, maintain access to emergency services, and protect lifelines and essential services
- **Recover** – Build back better with mitigation, codes and standards and creativity





# Defining Resilient Communities

Angie Gladwell, FEMA

# Investment Strategy Goals

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- 1** Show How Mitigation Investments Reduce Risk
- 2** Coordinate Mitigation Investments to Reduce Risk
- 3** Make Mitigation Investment Standard Practice



# Investment Strategy Intent

1. Improve collaboration between the federal government and communities, respecting local expertise in mitigation investing

Improve the coordination and effectiveness of mitigation investments.

2. Catalyze private and non-profit sector mitigation investments and innovation across the whole community

3. Make data- and risk-informed decisions that include long-term costs and risks

# Advancing the Investment Strategy

## Goal 1

### *Show How Mitigation Investments Reduce Risk*

- **1.1:** Make Mitigation Investments Relevant
- **1.2:** Increase Mitigation Investment by Building the Capacity of Communities to Address Their Risks
- **1.3:** Use Common Measures to Aid Decision-Making for Mitigation Investment

## Goal 3

### *Make Mitigation Investment Standard Practice*

- **3.1:** Encourage Communities to Adopt and Enforce Up-to-Date Building Codes
- **3.2:** Strengthen Critical Infrastructure and Lifelines
- **3.3:** Use and Expand Financial Products and Approaches to Reduce and Transfer Risk

## Goal 2

### *Coordinate Mitigation Investments to Reduce Risk*

- **2.1:** Make Risk Information More Available and Easier to Use
- **2.2:** Align Program Requirements and Incentives
- **2.3:** Make Funding for Mitigation Investment Easier to Access

## Overview

The National Mitigation Investment Strategy recommends actions to be more intentional about setting resilience and mitigation investment priorities to benefit the whole community. These actions reflect input and involvement from federal, state, tribal, territorial, and local governments, private organizations, and the public.



# How Will We Succeed?

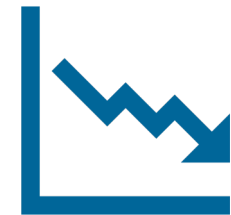
- Find ways to link, leverage, and align what you are already doing to meet these goals.
- Use open-source data formats to facilitate information sharing.
- Look for projects and efforts that can create benefits to multiple stakeholders and funders.
- Bring in new partners to provide new ways of looking at the problem, or proposed solutions.
- Find ways to share efforts that are having significant impacts across large network.
- Use the research community to help answer tough questions.



Whole Community  
Participation



Federal Government and  
Nonfederal Partners



Decreased Natural  
Hazards Risk





# Partnerships

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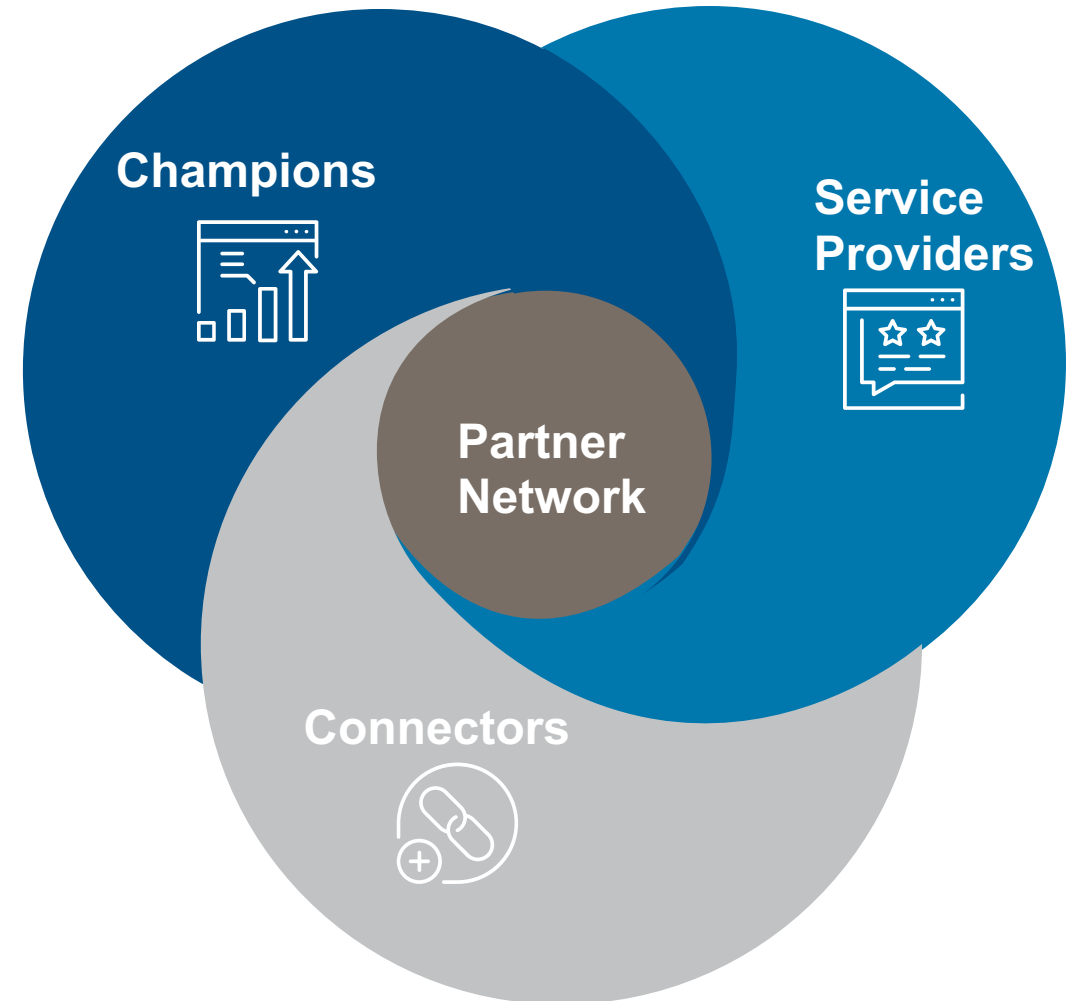
Camille Crain, FEMA



# Partnerships Help Build Resilient Communities

## Example partners:

- Federal agencies
- State, local, tribal, and territorial governments
- Private sector
- Non-governmental organizations





**Partnership activities are eligible for funding under Capability- and Capacity-Building**



# Example Partnership Activities

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Conducting capability gap / partner network analysis



Developing partner database



Providing / attending training on partnerships



Hosting forum to share best practices / lessons learned



Incorporating private sector / lifelines operators in mitigation planning process



Attending conferences to support partnership development



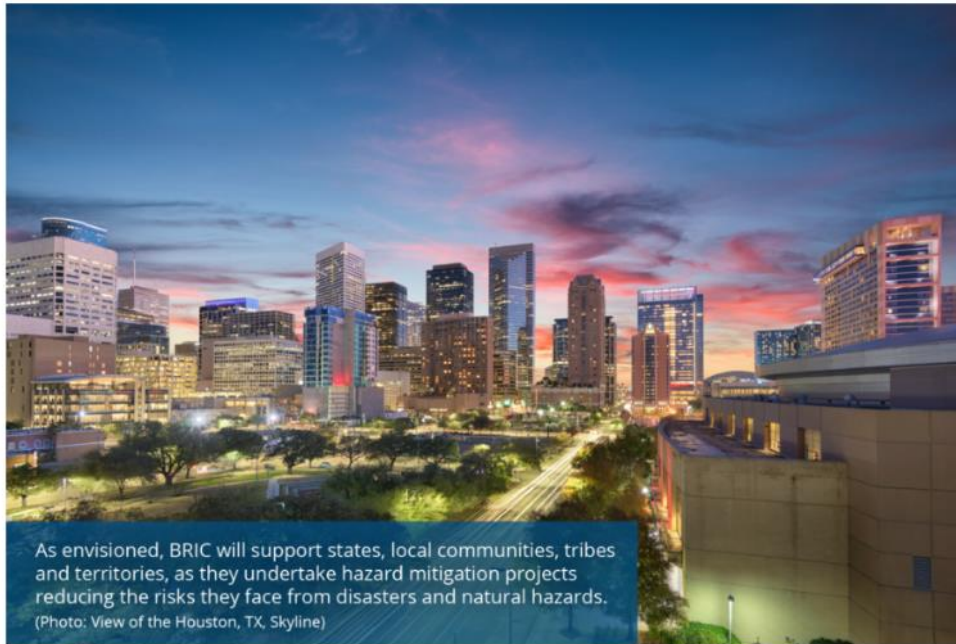
# BRIC Stakeholder Engagement Sessions

## Purpose and Goals

- Educate stakeholders on all aspects of the BRIC policy and program
- Increase awareness and understanding of key BRIC program components
- [BRIC Engagement Sessions](#) – all about the BRIC program (July 2020)
  - July 15: BRIC and Building Codes
  - July 22: BRIC and Community Lifelines
  - July 29: BRIC and Nature-based Solutions
- BRIC NOFO Webinars – will occur after NOFO is released (August - September 2020)

# FEMA Resources

## Building Resilient Infrastructure and Communities



This page provides general information about a new pre-disaster hazard mitigation program.

<https://www.fema.gov/bric>

**Sign up for BRIC and HMA Updates:**  
<https://www.fema.gov/hazard-mitigation-assistance>

### 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





Thank you!

[fema.gov/bric](https://fema.gov/bric)