

FEMA BRIC 101

City and County of Honolulu

Office of Climate Change,

Sustainability and Resiliency

Agenda

- BRIC Program Overview
- How is BRIC Different than Previous Program (PDM)?
- BRIC Project Eligibility
- BRIC 2020 & Looking Ahead to BRIC 2021





Legislation



- Disaster Recovery Reform Act (DRRA) Section 1234, which amends Section 203 of the Stafford Act
- Funded by a 6% set-aside from federal post-disaster grant funding
- Eligible applicants – states and territories with major disaster declarations in past seven years
- Replaces FEMA's existing pre-disaster mitigation (PDM) program

BRIC Policy Key Elements



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A total of \$500 million was available in FY2020 in three categories:

1. State/territory allocation: \$33.6 million
2. Tribal set-aside: \$20 million
3. National competition: \$446.4 million

State and Territory Allocation

Tribal Set-Aside

Project Competition

Technical Assistance

Capability and Capacity Building

Mitigation Projects

Management Costs

Project development costs can be incurred before the opening of the application period

Project implementation costs can only be incurred after project award

Only awarded if eligible and the project is awarded

-Award Costs

BRIC Policy Key Elements

A total of **\$500 million** was available in FY2020 in three categories:

1. State/territory allocation: \$33.6 million **\$600K per state**
2. Tribal set-aside: \$20 million
3. National competition: \$446.4 million **\$50M per project**

State and Territory Allocation

Tribal Set-Aside

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Management Costs

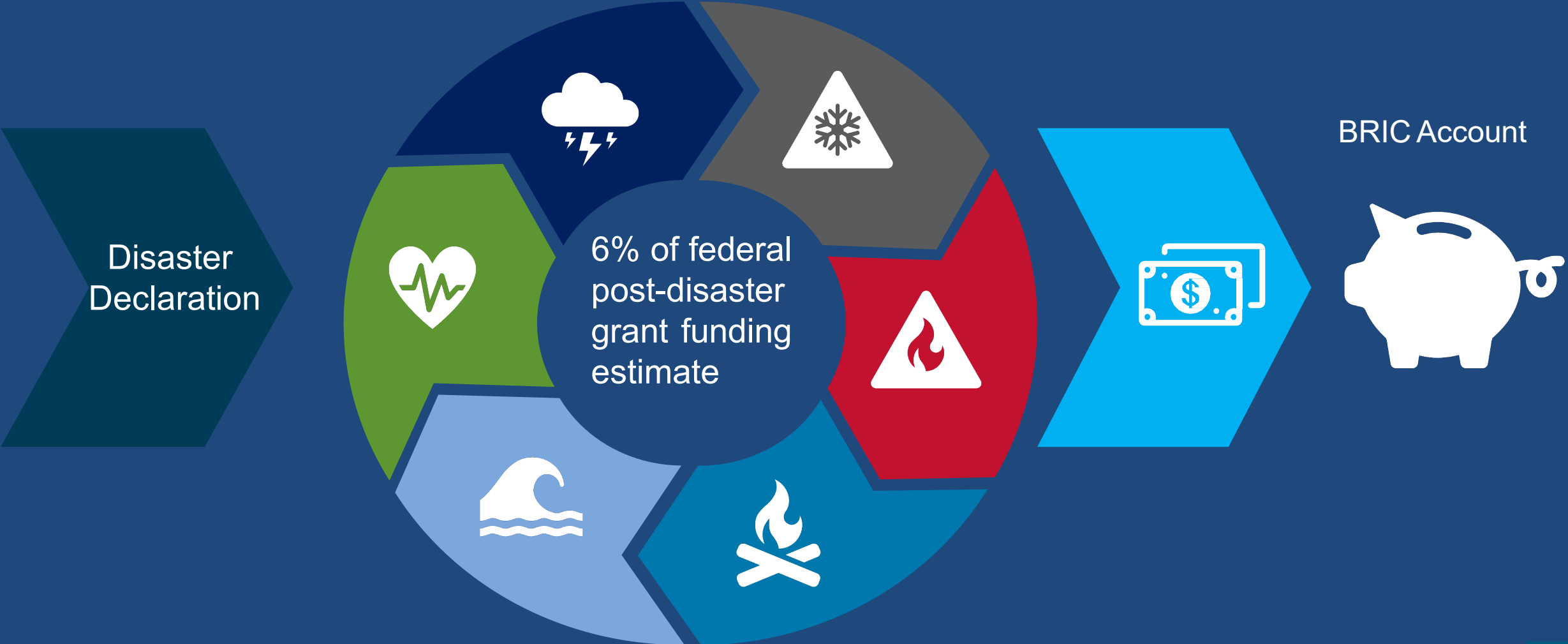
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Award Costs

BRIC Funding





How is **NOT Different** Than PDM?

- Limited funds for planning, capacity building and building code projects
 - Only within state-set aside
 - \$600K total max per state for ALL such projects
- 3 year maximum period of performance
- Must meet all eligibility criteria in Hazard Mitigation Assistance Guidance (2015)
 - FEMA-approved Cost-Effectiveness Methodologies

What Makes a Project Eligible?

Existing Activities are Still Eligible



Hazard Mitigation Assistance Guidance

Hazard Mitigation Grant Program, Pre-Disaster Mitigation Program, and Flood Mitigation Assistance Program

February 27, 2015



Federal Emergency Management Agency
Department of Homeland Security
500 C Street, S.W.
Washington, DC 20472

Expanded Eligibility includes:

- Project scoping
- Building code projects
- Additional activities for wildfire and wind implementation (DRRA Section 1205)
- Earthquake early warning (DRRA Section 1233)

NOTE: FEMA P-2055, *Post-disaster Building Safety Evaluation Guidance*

Projects Must:

- Be cost-effective
- Reduce/eliminate risk and damage from future natural hazards
- Meet latest two consensus codes (i.e. 2015 or 2018 international building code)
- Align with Hazard Mitigation Plan
- Meet all environmental and historic preservation requirements



Blue Lake Rancheria Tribe Microgrid

Elements of Good Mitigation Projects

Risk Reduction

Grant Implementation Approach

Innovation in Project Planning & Implementation

Populations Impacted

Partnerships & Outreach

Future Conditions

Infrastructure & Community Lifelines



No FEMA Funding Involved

Blue Lake Rancheria Tribe Microgrid

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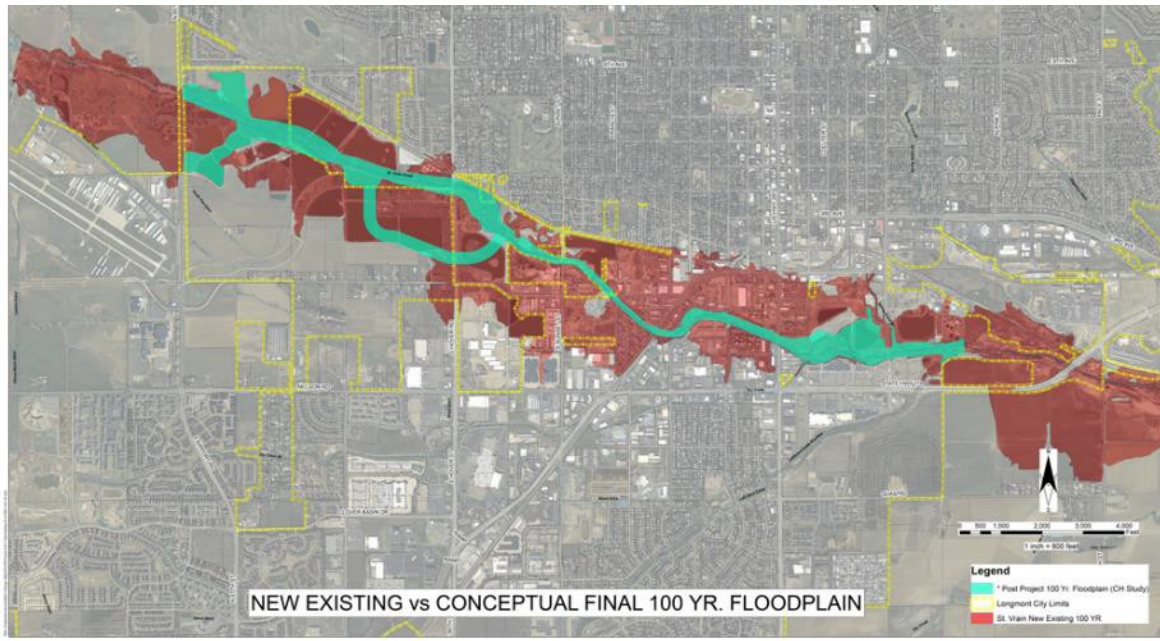
Future Conditions

Infrastructure & Community Lifelines

Example Infrastructure Projects



Nature-Based Flood Protection Resilient St. Vrain, Longmont, CO



Example Infrastructure Projects



Hurricane Retrofits for Critical Infrastructure

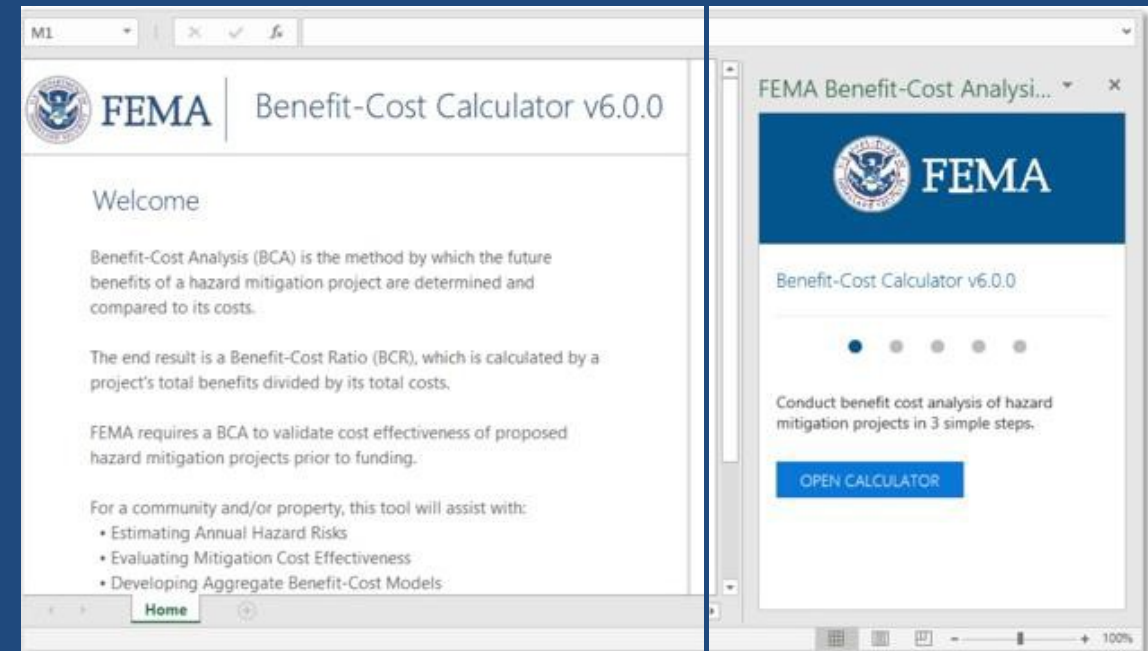
Nicklaus Children's Hospital,
Miami, FL





Benefit-Cost Analysis (BCA)

- FEMA has a statutory requirement to fund “cost-effective” hazard mitigation projects – to assess the cost-effectiveness of a project, FEMA requires a BCA
- A BCA quantifies the benefits of a project and compares them to its cost, resulting in a Benefit-Cost Ratio (BCR)
- FEMA has released “pre-calculated benefits” for some project types



www.fema.gov/benefit-cost-analysis



2020 Overview

FEMA National Overview

- \$500M available
- 980 Applications Nationwide
- Total of \$3.8B requested
- 25 states submitted >\$50M
- **5 states submitted >\$200M**
- 7 applications reached max of \$50M project limit

State of Hawai'i Overview

- 17 applications (known as sub-applications)
 - 14 projects, 1 plan update, 1 project scoping, and state management costs
- **>\$200M total amount**
- Maxed out state set-aside request
 - Project scoping and capacity building
- 4 Projects with City
 - Project Scoping for SLR for Water/Wastewater Infrastructure
 - Koolauloa Resilience Hub (with Hui o Hauula)
 - Kaimukī Middle School Microgrid & Capacity (with DOE)
 - Building Code Updates & Rating

Looking Forward

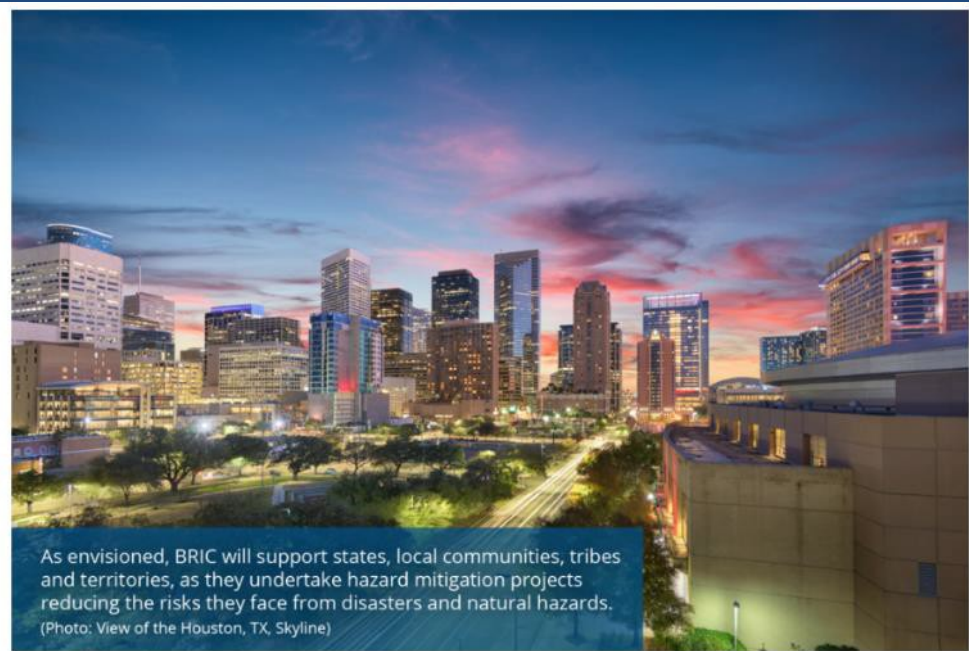


FEMA estimates up to \$3.7 billion for BRIC as a result of the COVID-19 major disaster declarations.

<https://crsreports.congress.gov/product/pdf/IN/IN11515/4>

FEMA Resources

Building Resilient Infrastructure and Communities



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

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
- Hazard Mitigation Planning:
<https://www.fema.gov/hazard-mitigation-planning>
- ISO Mitigation – Building Codes
<https://www.isomitigation.com/bcegs/>

Mahalo!

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