



FEMA

HMA
Hazard Mitigation
Assistance

Moving Mitigation Forward: The Building Resilient Infrastructure and Communities (BRIC) Program

Hazard Mitigation Assistance, Mitigation Directorate | Federal Insurance and Mitigation Administration, FEMA

Disaster Recovery Reform Act (DRRA)



- The most significant opportunity in decades to focus on investing year-in and year-out on mitigation measures that will reduce losses from future disaster events
- Establishes nearly 50 new authorities and requirements across FEMA
- Designed to address the rising costs of disasters and reform Federal disaster programs

DRRA Section 1234: Building Resilient Infrastructure and Communities (BRIC)

FEMA's goal is to reduce costs and loss of human life from natural hazards by building a national culture of preparedness, encouraging investments to protect our communities and infrastructure, and building mitigation capabilities to foster resilience.

BRIC Guiding Principles



Support communities through capability & capacity building



Encourage and enable innovation



Promote partnerships



Enable large projects

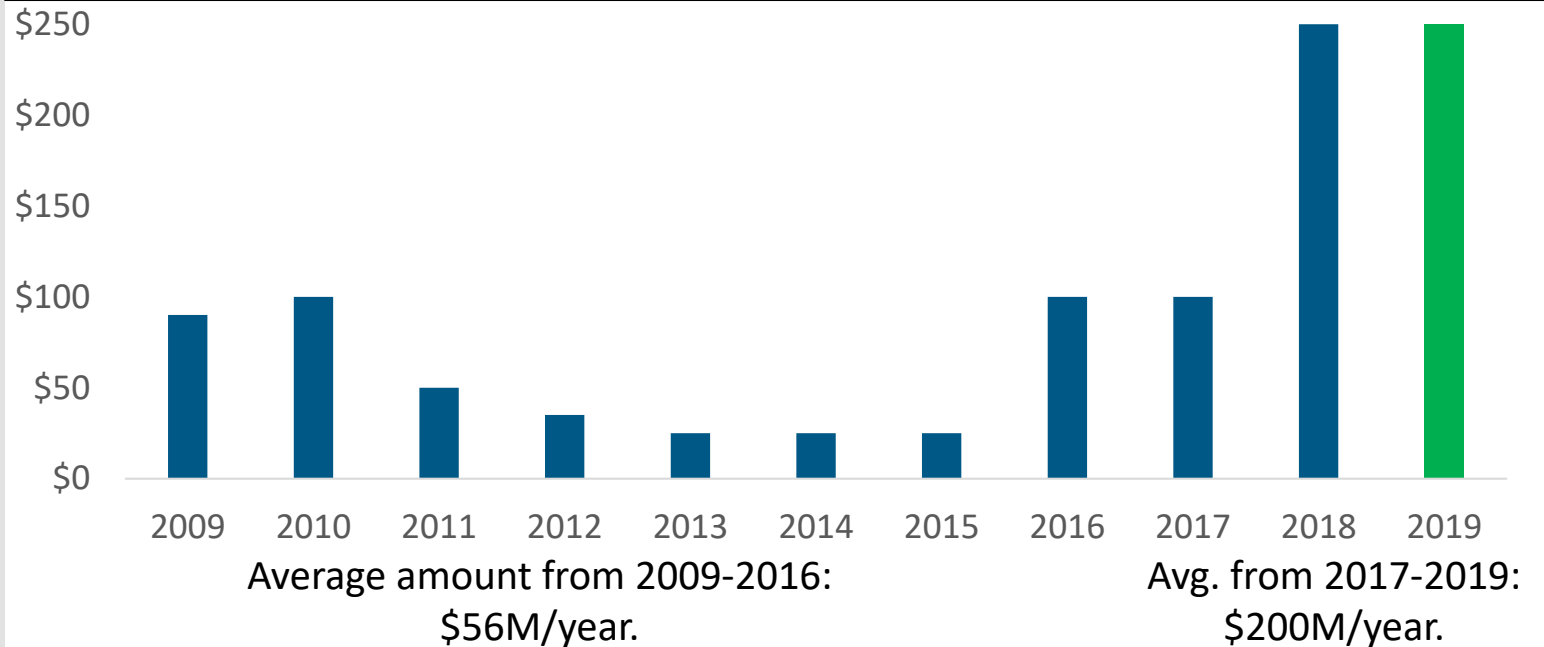


Maintain flexibility



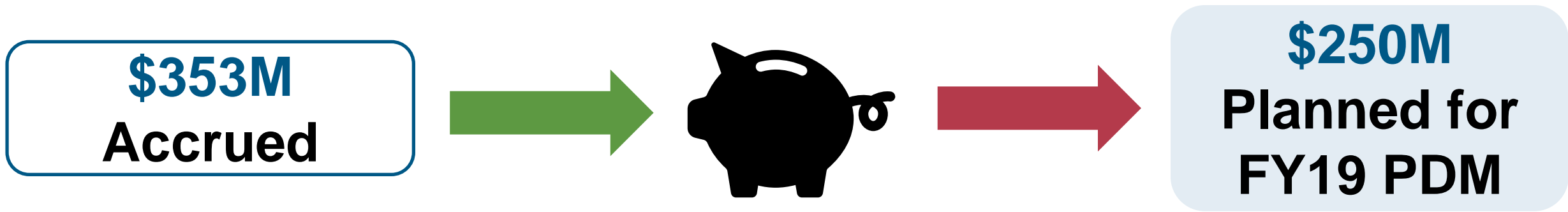
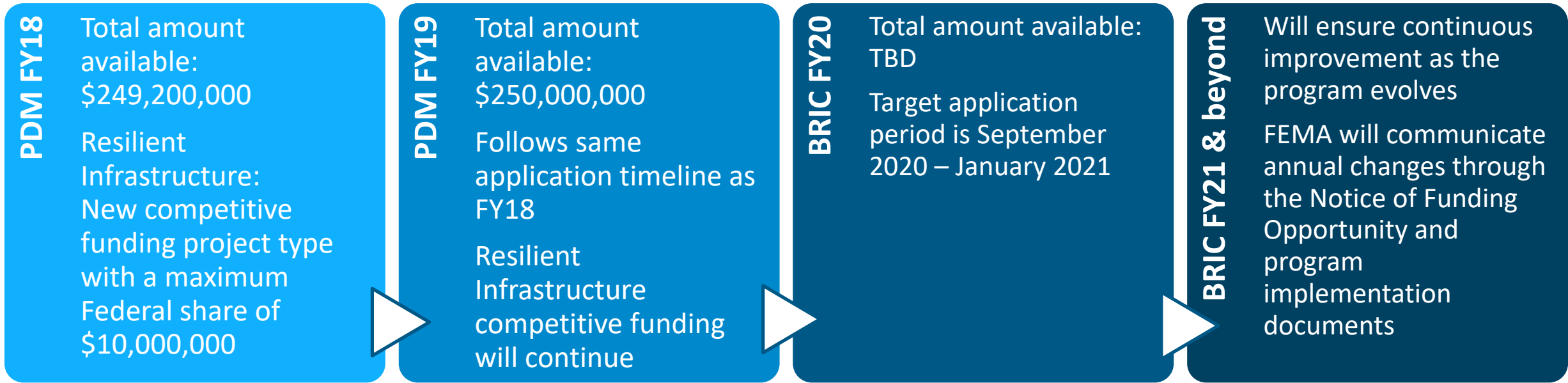
Provide consistency

Since 2009, FEMA has received approximately \$1 billion in Pre-Disaster Mitigation grant appropriations, of which 48% has been in the last 2 years.



Funds will vary based on disasters. FIMA estimates that annual funds will average \$300M-\$500M per year, with significantly greater amounts following years with catastrophic disasters.

Pre-Disaster Mitigation (PDM) and BRIC: Path Forward



BRIC Program Design Process and Estimated Timing

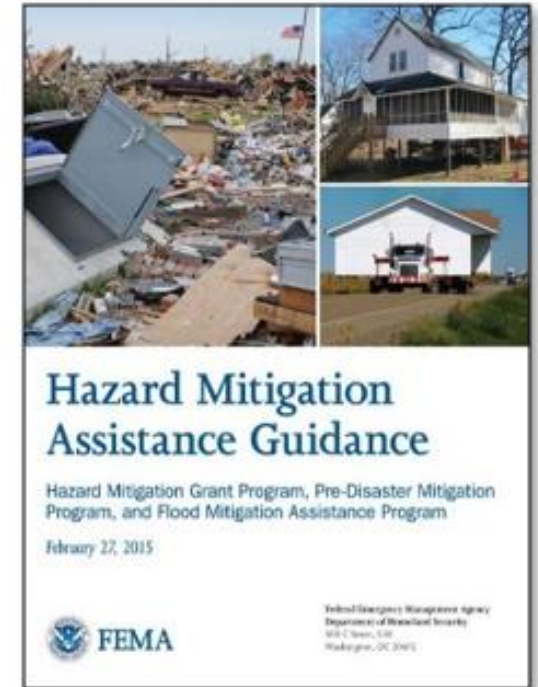
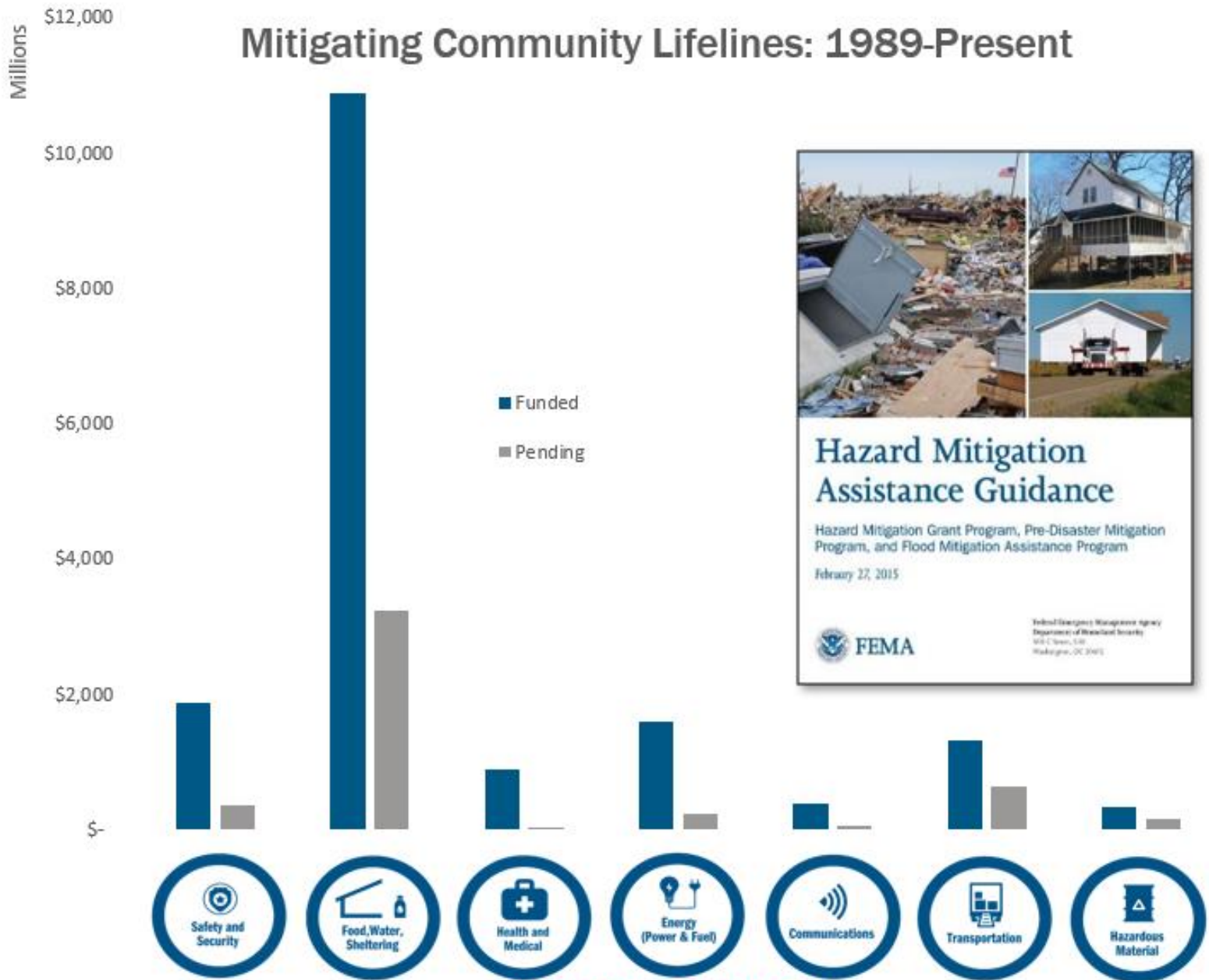


* Timing is estimated as of September 2019 and subject to change.

Infrastructure and Lifeline Considerations

- ✓ Project types
- ✓ Period of Performance
- ✓ Advance Assistance opportunities
- ✓ Private sector ownership
- ✓ New technical considerations
- ✓ Role of planning
- ✓ Technical assistance needs
- ✓ Funding amounts and caps
- ✓ Nature-based infrastructure

Mitigating Community Lifelines: 1989-Present



*DRAFT DATA – NOT YET FINAL

Resilient Infrastructure: Example

6-acre underground resiliency park in NJ offers outdoor public recreation amenities such as a natural oasis, athletic fields, play areas, fitness stations, and event space:

- Lowered basketball court provides green stormwater storage
- Rain gardens for capture and filtration
- ✓ Provides significant mitigation of fluvial and flash flooding for multi-story residential, commercial, and industrial properties
- ✓ Reduces economic, environmental, and social impacts



8 Drainage areas



7 Landscape types



1.75^M
Gallons of stormwater storage

\$10^M FED SHARE
+
\$47^M MATCH

Stakeholder Engagement

Since the passage of the DRRR FEMA has conducted extensive stakeholder engagement through:

- ❖ In-Person Meetings
- ❖ Webinars
- ❖ Open Inbox
- ❖ Ideascale Platform
- ❖ Formal Letters



Attendee List (557)

- Active Sections
- Hosts (1)
- Presenters (1)
- Participants (555)
- 1-FEMA Questions
- A. Merchant

Chat (Everyone)

Chad: Hello from California!

Rick Dembroski Alaska DHS&EM: Operator can let you in if you sit on hold

Demetra J. McBride: I do not see a line above for 1-FEMA answers.

1-FEMA Questions: hover over my name in the participants list and send me a private chat

1-FEMA Questions: thanks!

1-FEMA Questions: I am the first participant in the participants list, please hover over my name and send me a private chat. I am collecting all questions. Thank!

Justin is typing...

For audio, please use:
Call-in Number: 1-800-328-4330
Enter Conference Code: 338559
Submit questions to 1-FEMA Questions via Private Chat

Planning, Grants and Risk

Disaster Recovery Reform Act (DRRA)

- Establishes more than 50 new authorities and requirements across FEMA
- Designed to address the rising costs of disasters and reform federal disaster programs
- The Mitigation Directorate is responsible for implementing 26% of the new provisions, over half of which directly impact Hazard Mitigation Assistance programs

FEMA HMA Hazard Mitigation Assistance

Closed Captioning: 18 pt White (B) Captioning

Web Resources: Community Lifelines Toolkit

Downloadable Presentation: Name Size Planning, Grants and Risk, 4 1 MB

00:09:18 | 00:35:52



buildbric@fema.dhs.gov



Formal Comment Letters



FEMA does not endorse any non-government entities, organizations, or services.

Commonly Supported Ideas

Generally, stakeholders expressed support for:



Increased funding for technical assistance and capability and capacity-building activities



Evaluation and performance monitoring of BRIC-funded projects



Adoption and enforcement of recent building codes while allowing for flexibility



Lesson sharing of successful projects at various scales



Collaboration with other agencies and organizations to develop and support BRIC-related activities



Large and small mitigation activities



Simplifying the process for shifts to budgets, processes, and work schedules that result in no changes to scope of work – especially necessary for large projects



Expansion of pre-calculated benefits



Consistency across pre-existing mitigation programs

BRIC Supports FEMA's Priorities

Build a culture of preparedness



Prepare the nation for catastrophic disasters



Reduce complexities



BUILDBRIC@fema.dhs.gov