

# Bloomberg Federal Assistance e311 Content Workshop: **Mitigation and Resilience**

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# e311 Mitigation and Resilience Workshop Experts

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# Agenda

## Federal Funding Overview and Planning

Hazard Mitigation Assistance Overview

Case Study

Initial Questions

Other Mitigation and Resilience Programs

Fund Mapping Exercise

Q&A

# Overview of Federal Funding Opportunities

Funding Source	Agency	Funding Amount
Building Resilient Infrastructure and Communities (BRIC)	Federal Emergency Management Agency (FEMA)	<b>\$1 billion</b> in 2021, <b>\$1 billion+</b> in 2022
Flood Mitigation Assistance (FMA)	Federal Emergency Management Agency (FEMA)	<b>\$160 million</b> in 2021, between <b>\$700 million</b> and <b>\$860 million</b> in 2022
Hazard Mitigation Grant Program (HMGP)	Federal Emergency Management Agency (FEMA)	<b>\$3.46 billion+</b> in 2021*
Pre-Disaster Mitigation (PDM) for Congressional Community Projects	Federal Emergency Management Agency (FEMA)	<b>\$154 million</b> in 2022
Coronavirus Local Fiscal Recovery Fund (CLFRF)	Department of the Treasury	<b>\$110.7 billion</b> allocated in 2022
Promoting Resilient Operations for Transformative, Efficient, and Cost-Saving Transportation (PROTECT)	Department of Transportation	<b>\$8.7 billion</b> (\$7.3 billion is formula funding for states)
Clean Water State Revolving Fund (CWSRF)	Environmental Protection Agency (EPA)	<b>\$11.7 billion</b> (\$3.2 billion in 2022)
Safeguarding Tomorrow Through Ongoing Risk Mitigation (STORM) Act	Federal Emergency Management Agency (FEMA)	<b>\$500 million</b> over 5 years ( <b>\$100 million</b> in 2022)
HUD Community Development Block Grant-Disaster Recovery (CDBG-DR)	Department of Housing and Urban Development (HUD)	<b>15%</b> of unmet needs allocation amount set aside for mitigation

Many additional programs through the Infrastructure Investment and Jobs Act (IIJA)

# Compliance and Reporting

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## Dual task to **secure and manage** funds

- Administering federal funds can be a challenge to local governments, particularly those lacking experience with grant management or facing reduced staffing levels due to economic conditions
- Regardless of funding source, federal fund recipients must establish a robust compliance infrastructure that includes proper internal controls, efficient data collection procedures, and effective reporting systems
- Uniform Guidance (2 CFR Part 200 *et seq.*)

Please visit Bloomberg's **Federal Assistance e311 Knowledge Base** for FAQs related to compliance:

- What are good practices for documenting and accounting for programs using federal funds?
- What are some good practices municipalities can follow to ensure that subrecipients meet all compliance requirements?

# Finding Solutions: Resilience and Mitigation Planning

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**Problem:** How can a city determine its resilience and mitigation challenges and prepare to leverage funding opportunities?

## **Solution:** Comprehensive Resilience and Mitigation Planning

- Identify hazards and risks
- Engage in a multi-agency planning process that matches needs to solutions and funding streams. Start with city-wide plans, executive strategies, agency-led plans, existing gap analyses, and risk assessments.
- Apply critical lenses, including sustainability and equity
- Evaluate mitigation solutions
- Integrate with other processes, including capital improvement, land use, and budget planning
- Arrive at an overall strategy to build resilience

Approved Hazard Mitigation Plan is a requirement to access Hazard Mitigation Assistance project funding

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# FEMA Hazard Mitigation Assistance Funding Sources

Funding Source	Building Resilient Infrastructure & Communities (BRIC)	Flood Mitigation Assistance (FMA)	Hazard Mitigation Grant Program (HMGP)	Pre-Disaster Mitigation (PDM) Congressional Community Projects
<b>Purpose</b>	FEMA-managed, state-administered program and <b>not</b> directly tied to a disaster declaration; high-impact, neighborhood-scale projects	FEMA-managed, state-administered program and <b>not</b> directly tied to a disaster declaration; reduce flood risk to NFIP-insured properties	State-administered program and directly tied to a disaster declaration; break cycle of repetitive losses	FEMA-managed, state-administered program; Congressionally appropriated and <b>not</b> directly tied to a disaster declaration; smaller cost projects
<b>Cycle</b>	Annually	Annually	Post-disaster	Annually
<b>Local Match</b>	At least 25% or 10% for Economically Disadvantaged Rural Communities	0%, 10%, or 25%	25%	At least 25% or 10% for Economically Disadvantaged Rural Communities
<b>FY 2021 Funding</b>	\$1B nationwide	\$160 million nationwide	\$3.46+ billion (COVID-19 disaster declarations)	--
<b>FY 2022 Funding</b>	\$1B+ expected	\$700 - 860 million, \$60 million for Swift Current Initiative	Dependent on future disaster declarations	\$154 million



# Building Blocks of Hazard Mitigation Assistance

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Eligible sub-applicant

FEMA-approved mitigation plan

No construction or groundbreaking before grant award

Approved Notice of Interest (NOI) or Letter of Intent (LOI) (state-dependent)

Scope of work with a clear level of protection increase

Benefit Cost Analysis or Cost-Effectiveness Analysis

Cost share

Period of performance

Not dependent on other projects or funding sources (standalone mitigation solution)

Must comply with federal regulations, including 2 CFR 200 and the National Environmental Policy Act (NEPA)

Reimbursement-based grant with eligible grant management costs and pre-award costs

Equity

Climate adaptive and nature-based solutions

# Equity in Hazard Mitigation

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Equity is an increasing priority for federal funding agencies

- Executive Order [\*Advancing Racial Equity and Support for Underserved Communities Through the Federal Government\*](#)
- **BRIC** and **FMA** priority programs under the White House's **Justice40 Initiative** - 40% of the overall benefits from federal investments in climate and clean energy will go to disadvantaged communities
- Utilize tools such as the [CDC Social Vulnerability Index](#) and [EPA Environmental Justice Screening](#) to map project benefiting areas

## Justice40 Variables

- Low income, high and/or persistent poverty
- High unemployment and underemployment
- Racial and ethnic residential segregation, particularly where the segregation stems from discrimination by government entities
- Linguistic isolation
- High housing cost burden and substandard housing
- Distressed neighborhoods
- High transportation cost burden / low transportation access
- Limited water and sanitation access
- Disproportionate impacts from climate change
- High energy cost burden and low energy access
- Job lost through the energy transition
- Access to healthcare

# Creative Solutions Utilizing Fund Mapping For FEMA Mitigation Funding

Funding Source	Building Resilient Communities and Infrastructure	Flood Mitigation Assistance	Hazard Mitigation Grant Program	Pre-Disaster Mitigation
If your project has...	<ul style="list-style-type: none"> <li>Nature-Based Solutions</li> <li>Building Codes</li> <li>Disadvantaged Communities</li> <li>Climate Change and Future Conditions</li> </ul>	<ul style="list-style-type: none"> <li>NFIP-Insured Properties</li> <li>Repetitive or Severe Repetitive Loss Properties</li> </ul>	<ul style="list-style-type: none"> <li>Independent Mitigation Solution</li> <li>Critical Facilities</li> <li>Level of Protection Increase</li> </ul>	<ul style="list-style-type: none"> <li>Smaller Total Project Cost</li> <li>Independent Mitigation Solution</li> <li>Political Support</li> </ul>
Geography	Refer to BRIC 2021 Key Findings: Building Code Adoption (Appendix, slide 29)	Refer to FMA Best Practices (Appendix, slide 30)	<ul style="list-style-type: none"> <li>All States</li> <li>Locality Prioritization by States</li> </ul>	All States
Example Projects	<ul style="list-style-type: none"> <li>Climate Adaptive Solutions</li> <li>Infrastructure Hardening</li> <li>Coastal Flooding Mitigation</li> <li>Microgrids for Critical Facilities</li> <li>Nature-Based Solutions</li> <li>Heat Mitigation</li> </ul>	<ul style="list-style-type: none"> <li>Property Acquisition</li> <li>Structure Elevations</li> <li>Dry Floodproofing</li> <li>Floodplain Restoration</li> </ul>	<ul style="list-style-type: none"> <li>Flood Risk Reduction</li> <li>Structure Retrofitting</li> <li>Stormwater Management</li> <li>Wildfire Mitigation</li> <li>Infrastructure Hardening</li> </ul>	<ul style="list-style-type: none"> <li>Flood Risk Reduction</li> <li>Stream Restoration</li> <li>Structure Retrofitting</li> <li>Wildfire Mitigation</li> <li>Safe Rooms</li> </ul>

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# Agenda

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Hazard Mitigation Assistance Overview

## Case Study

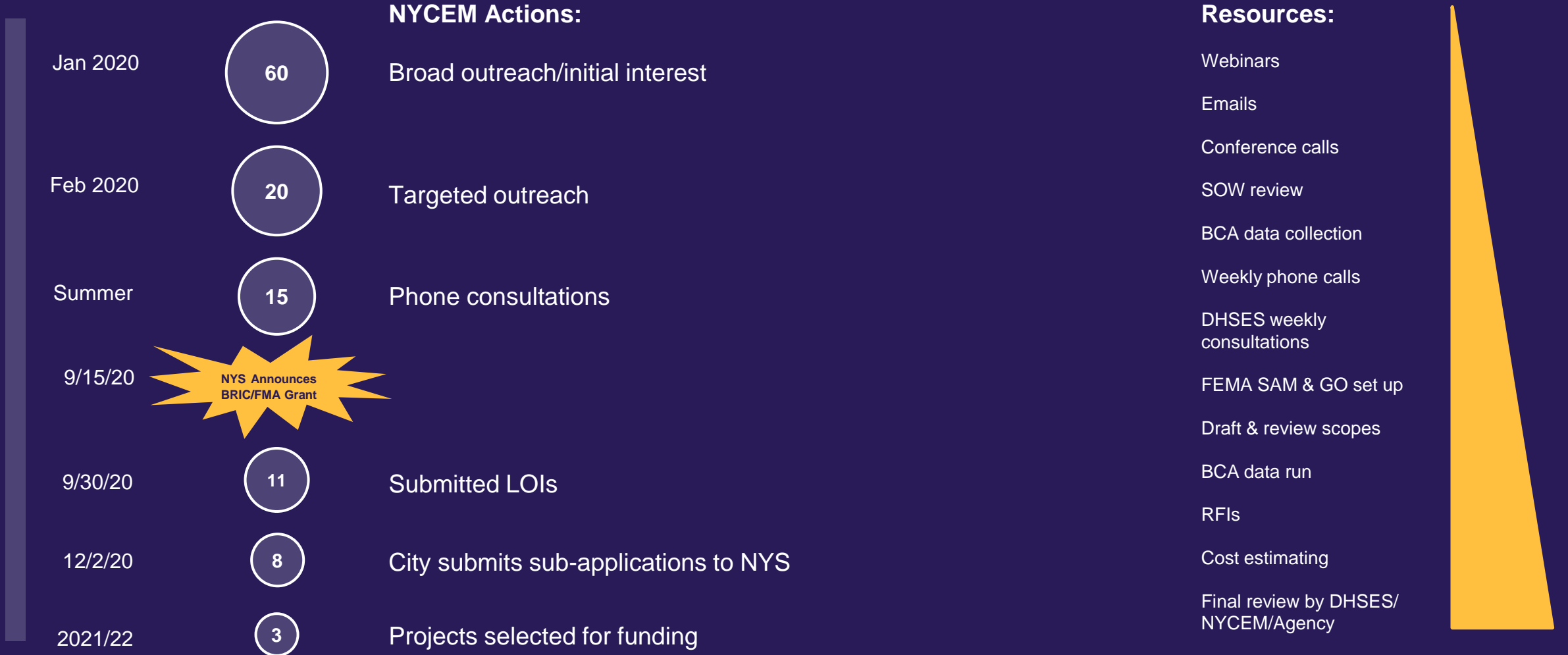
Initial Questions

Other Mitigation and Resilience Programs

Fund Mapping Exercise

Q&A

# Case Study: NYCEM BRIC/FMA FY20 Coordination



# NYC Challenges and Recommendations with Mitigation Grants

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## Gaps in Ready-to-Go Mitigation Projects

- Lacking technical information to complete sub-application, i.e. truly understanding the project and solution, BCA data
- **Recommendation:** Maximize Capability and Capacity Building (C&CB) funding & feasibility studies; include BCA and preliminary environmental review in feasibility studies



## Timeline & Resource Constraints

- Lack of technical experts on funding ready to facilitate and guide agencies
- Agencies have little bandwidth to learn new funding stream
- Often given very little time to complete complex grant sub-applications
- **Recommendation:** Seek year-round technical assistance at all levels; utilize management cost



## Funding Limitations

- Each funding stream has unique requirements; not all projects complement all funding streams
- **Recommendation:** Leverage the process to scope many projects; build a library of projects that are ready for other funding opportunities

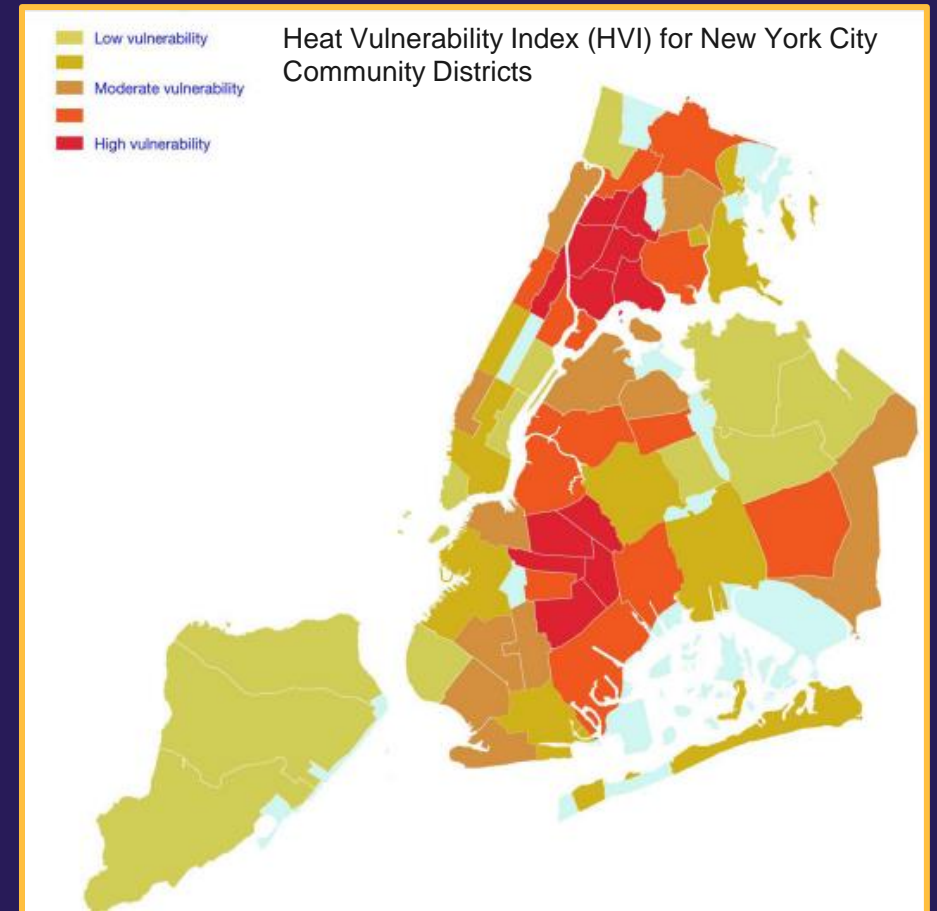
# Case Study: NYCDOT Cool Corridors

New York City Department of Transportation submitted a project scoping sub-application in BRIC FY20, 'Model Urban Heat Island Streets Project Scoping'

This project aims to build on the current mission of 'Cool Neighborhoods NYC' by identifying and addressing issues faced by heat-vulnerable communities

## Proposed Mitigation Actions:

1. Toolkit development of best practices
2. Implementing green infrastructure
3. BCA methodology



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# Initial Questions



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# Finding Solutions: Growing Opportunities for Resilience

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**Problem:** Apart from the traditional mitigation programs, what are other federal funding opportunities that can help cities fund efforts to build resilience?

**Solution:** COVID-19 Recovery Funds, Infrastructure Programs, Community Development Block Grant



**Coronavirus Local Fiscal Recovery Fund**



**Safeguarding Tomorrow Through Ongoing Risk Mitigation (STORM) Act**



**Promoting Resilient Operations for Transformative, Efficient, and Cost-Saving Transportation (PROTECT)**



**HUD Community Development Block Grant-Disaster Recovery (CDBG-DR)**



**Clean Water State Revolving Fund**



**Other Infrastructure Investment and Jobs Act (IIJA) programs**

# Coronavirus Local Fiscal Recovery Fund

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- CLFRF provides funding to address the public health and negative economic impacts of the COVID-19 pandemic and to make meaningful investment in communities

**\$350 billion** total program



**\$45.6 billion** for metropolitan cities



- As part of the Infrastructure eligibility, **stormwater management** projects are an eligible activity
  - Stormwater programs originally had to meet Clean Water State Revolving Fund eligibility, meaning the focus was on quality vs. quantity and limiting mitigation uses
  - The CLFRF Final Rule expanded ability to address drainage issues
- "Revenue Loss" funds may be used as non-federal match for most federal programs, including mitigation and resilience programs

# Promoting Resilient Operations for Transformative, Efficient, and Cost-Saving Transportation (PROTECT)

- **\$8.7 billion** for Promoting Resilient Operations for Transformative, Efficient, and Cost-Saving Transportation (PROTECT)
  - Support planning, evacuation routes, general resilience improvements, and hardening and relocation of at-risk coastal infrastructure
- **\$7.3 billion** in formula funding for through states and **\$1.4 billion** in competitive grants

## Points of Emphasis

- Encourages new ways of looking at coastal hazard mitigation
- Comprehensive, cross-department planning required
- Equitable impacts must be considered



# Other Mitigation and Resilience Programs

## Clean Water State Revolving Fund (CWSRF)

- **\$11.7 billion** for water quality infrastructure
- **49%** eligible for grants; **100%** eligible for principal forgiveness loans

## Safeguarding Tomorrow Through Ongoing Risk Mitigation (STORM) Act

- **\$500 million** for 5 years
- Funds water, wastewater, infrastructure, disaster recovery, community, and small business development
- Capitalization grants are available for states or eligible tribal governments to establish revolving loan funds

## HUD Community Development Block Grant-Disaster Recovery (CDBG-DR)

- Congress appropriated **\$5 billion**; all 2020 and 2021 disaster funds allocated, mainly to state governments
- **15%** unmet needs assessment mitigation set aside

# Other Mitigation and Resilience Programs

IIJA programs may be competitive or formula in nature, may be administered on the federal or state level, and may involve funding of federal agency efforts that could be directly engaged as party of local efforts

**Some examples include:**

**\$1 billion**

Community Wildfire Defense Grant Program for At-Risk Communities

**\$492 million**

Flood and Inundation Mapping and Forecasting, Water Modeling, and Precipitation Studies

**\$492 million**

National Oceans and Coastal Security Fund (Grant Program)

**\$491 million**

Habitat Restoration (Grant Program)

**\$234 million**

Emergency Preparedness Grants

**\$500 million**

Healthy Streets Program (Grant Program)

**\$207 million**

Coastal Zone Management

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# Fund Mapping Exercise

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Mapping builds on, rather than substitutes for, comprehensive mitigation and resilience planning

When the IJA was released, cities were faced with making sense of hundreds of new and modified funding programs over many topical areas

The importance of fund mapping – matching identified needs to potential funding streams – has never been greater

This exercise is data driven – the more work a city has done to identify its needs, select potential solutions, and develop potential projects, the more useful the exercise will be



# Fund Mapping Exercise: Leveraging Funding for Mitigation Town

## Hazard Identification - Hurricane



Street Flooding



**PROTECT**

Building Wind Damage



**HMGP**

Beach Erosion & Habitat Loss



**Coastal Zone Management**

## Risk – Program Mapping

## Project Listing



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# Q&A



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# Appendix

# BRIC Best Practices

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- **Critical infrastructure projects**
- **Community-wide benefits**
- **Address climate change and future conditions**
- **Nature-based solutions** as a functional component of the project's scope of work
- **Innovative cost-share partnerships**
- **Equity** - projects that benefit [disadvantaged communities](#)
- Favored applicants (states & tribes) with 2018/2021 IBC/IRC and sub-applicants with **Building Code Effectiveness Grading Schedule (BCEGS)** from 1-5
- **Incorporate public and private partnerships in project financing and implementation**

## BRIC 2020 Key Findings

- **18** of the **22** selected competitive projects incorporated nature-based solutions
- No competitive project was selected with a total project cost under **\$1 million**
- Larger projects - Median size of projects selected for further review in FY20 was **\$16 million**
- **100%** of the selected competitive projects addressed future conditions
- Maximize the scoring rubrics (address each scoring criterion in the sub-application)
- FEMA funded states that had strong code adoption; ensure the project is in an area with a BCEGS rating of 5/5 or less (1/1)
- Phase projects that are in a preliminary design stage



# FMA Best Practices

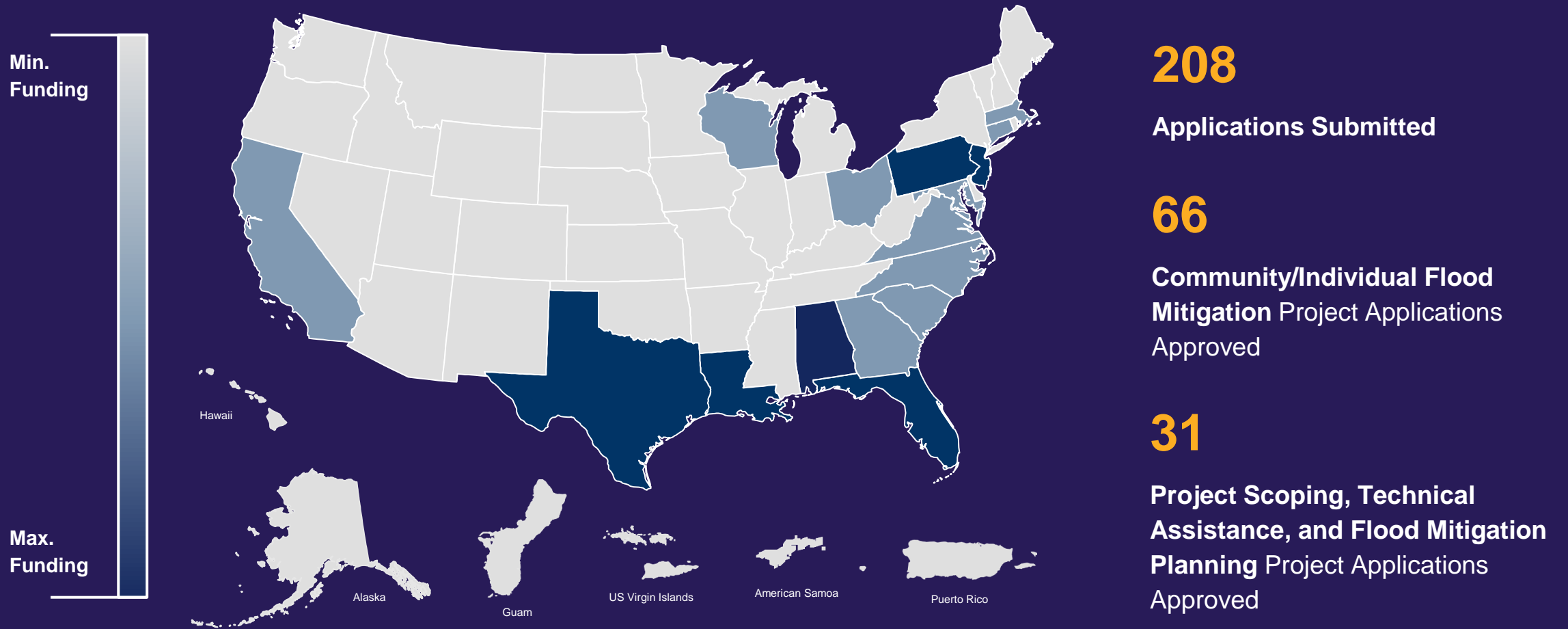
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- **Projects must protect National Flood Insurance Program (NFIP)-insured structures**
- **Clearly defined benefiting project area**
- **Prioritize applications with the highest proportions of Severe Repetitive Loss (SRL) and Repetitive Loss (RL) structures**
- **Collect flood insurance and RL and SRL data on benefiting properties early**
- **For individual flood mitigation projects:**
  - Substantially damaged properties
  - Primary residences over non-primary residences
  - Projects in areas with high social vulnerability
- **For community flood projects:**
  - Private partnership cost share
  - Community Rating System (CRS) participation
  - Cooperating Technical Partners (CTP) participation
  - Projects in areas with high social vulnerability

## FMA FY20 Key Findings

- FMA received **236** applications with **\$477 million** proposed project costs
- Majority of projects selected for funding are structure elevations and property acquisitions
- Of the **66** projects approved, **56** were individual flood mitigation projects, and **10** were community flood mitigation projects

# FMA FY2020 National Overview



# HMGP Best Practices

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- **Alignment with state hazard mitigation priorities**
- **Independent mitigation solution**
- **Clear level of protection increase and hazard risk reduction**
- **Phased projects**
- **Environmental and Historic Preservation (EHP) frontloading**
- **Facility/asset level mitigation**
- **Clear project benefiting area**
- **Incorporation of equitable and climate adaptive solutions**
- **Target a range of small, medium, and large dollar projects for submission**

## HMGP FY21 Key Findings

- **59** major disaster declarations for COVID-19 global pandemic totaling **\$3.46** billion
- **23%** increase in funding since the program's inception

## Type of Sub-applications

- Planning and planning-related activities
- Advance assistance/project scoping
- 5 Percent Initiative
- Construction/ground-breaking projects



# Pre-Disaster Mitigation (PDM) Best Practices

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- **Requires a Congressional appropriation - Advocate for project with political leaders**
- **Independent mitigation solution**
- **Clear level of protection increase and hazard risk reduction**
- **Cost-effective using FEMA standard Benefit-Cost Analysis methodologies**
- **Focus on infrastructure and community lifeline resilience**
- **Project costs <\$10 Million**

## PDM Key Findings

- Congressional-directed projects
- Available to states and local governments
- Congress authorized funding for **68 projects**
- 15% of funds are available for management costs

# Next Steps

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## For All HMA Programs

- Contact the State Hazard Mitigation Officer to discuss your potential project and the application process
- Understand state deadlines
- Attend any state-sponsored webinars

## BRIC and FMA

- Attend [FEMA webinars](#)
- Be on the lookout for Notice of Funding Opportunity (NOFO): first or second week of August
- Obtain your Building Code Effectiveness Grading Schedule (BCEGS) rating
- Obtain your [Unique Entity ID](#)
- Register for FEMA GO account once you have a green light from your State Emergency Management Agency

## HMGP

- Understand the process: Letter/Notice of Intent, application, technical assistance
- Familiarize yourself with state mitigation priorities
- Obtain Notices of Funding for open HMGP funding

## Key Resources

- [State Hazard Mitigation Officers](#)
- [Hazard Mitigation Assistance Guidance](#)
- [FEMA Webinars](#)
- [Sam.Gov](#) to register for federal funding
- [Nature-Based Solutions](#)

[Bloomberg Cities Network Local Infrastructure Hub](#) will be sharing additional information about emerging NOFOs