HAZARD MITIGATION GRANT PROGRAM (HMGP) OVERVIEW
Agenda

▪ Introductions
▪ Notice of Funds Available
▪ Introduction to HMGP Under DR-4439-PR (Hurricane Maria)
▪ Letters of Intent
▪ Criteria for Selection
▪ Technical Assistance
▪ Questions
Notice of Funds Availability FEMA-4339-DR-PR

Date: May 30th, 2019

To: Municipalities, Government of Puerto Rico Agencies, and Private Non-Profit Organizations

From: José L. Valenzuela, State Hazard Mitigation Officer (SHMO)
Central Recovery and Reconstruction Office (COR3)

Re: Amendment No. 1 - Hazard Mitigation Grant Program
Notice of Funds Availability FEMA-4339-DR-PR (Hurricane Maria)
INTRODUCTION TO HMGP

Under DR-4439-PR (Hurricane Maria)
# Summary of 404 vs 406

## 404 Mitigation Program
- **State** administers the program
- Funding is **limited/competitive**
- **Sub-Applicants** prepare applications
- **Undamaged facilities** are eligible
- **25% match** required
- **Entire state** participates in the program (even if not all declared)
- Work started before approval is **not eligible**

## 406 Mitigation Program
- **FEMA** administers the program
- Funding is **disaster-based**
- **FEMA** can prepare applications
- only **damaged facilities** are eligible
- **10% match** required for the project
- only **disaster-declared** areas participate in the program
- Mitigation work completed before FEMA funding approval is **eligible**
Funding Sequence

**PA**

Public Assistance

- Repair or replacement of damaged elements to its pre-disaster conditions, including required codes and standards, when applicable.

**PA**

Bipartisan Budget Act

- Restore the function of a facility or system to industry standards (still being defined) without regard to the pre-disaster condition of the facility or system; applicable to disaster-damaged elements or undamaged elements necessary to fully effectuate the restoration of function.
- The facility or system must be part of a PAAP Project and provide eligible critical services.

**PA**

406 Mitigation

- Cost effective measure which will reduce or eliminate the potential for similar damage to a facility from a similar hazard event.

**HMGP**

404 Mitigation

- Ensure that the opportunity to take critical mitigation measures to reduce the risk of loss of life and property from future disasters is not lost during the reconstruction process following a disaster.
- **Please Note:** All funding sources should be exhausted before 404 is used.
What is the HMGP?

HMGP is a grant program to help communities implement hazard mitigation measures following a Presidential Major Disaster Declaration. The key purpose of this grant program is to enact mitigation measures that reduce the risk of loss of life and property from future disasters.

The grant is awarded to Puerto Rico’s COR3 (as the applicant/recipient), who is responsible for administering the grant and the program.

The program is authorized under the Section 404 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act.
HMGP Total funds and Cost Share

For Hurricane Maria, FEMA estimates the Government of Puerto Rico will receive:

*Approximately $3B in HMGP funds, which will require a match of approximately $1B, for a total of approximately $4B in available hazard mitigation grant funding.*

The Stafford Act requires a matching of at least 25% of funds from non federal sources.

CDBG-DR funding will be used as a Global Match to satisfy this requirement.

*Sub-applicants of HMGP funding will not be required to provide the non-federal cost share.*
Global Match for HMGP

- Main change in NoFA (Ammendment No. 1):
  - PR Government will cover the 25% matching requirement required by HMGP 404
    - $1 billion of CDBG-DR funds will be used to guarantee that the Program is funded 100%
    - This will allow to créer an exclusive program for the Municipalities
    - This guarantees at least $1 million for each Municipality for developing ELEGIBLE MITIGATION ACTIVITIES of their selection.
(Applicant)

YOU

(Sub-Applicant)
Who is Eligible for HMGP Funds?

Eligible sub-applicants for HMGP consist of:
- State government entities
- Local government entities
- Private non-profit entities
  - Educational, utility, emergency, medical, or custodial care facility, and other facility providing essential governmental services
  - See 44 CFR Sections 206.221(e) and 206.434(a)(2)

Non-eligible sub-applicants for HMGP consist of:
- Individuals
- For-profit entities

Eligible applicants may apply on the behalf of non-eligible applicants.
What is the HMGP Time Frame?

Per the Section B.1 of the Hazard Mitigation Assistance (HMA) Guidance

_The Period of Performance for HMGP begins with the opening of the application period and ends no later than 36 months from the close of the application period._

The period to submit O-LOI through the online application will be open until August 30\textsuperscript{th}, 2019.
Funding Priority

In accordance with 44 CFR, §206.433(b), the Government of Puerto Rico has established priorities for the selection of mitigation projects to receive HMGP funding. The State Hazard Mitigation Officer (SHMO) has based the following sector priorities in accordance with 44 CFR, §206.435(b):

<table>
<thead>
<tr>
<th>Sector</th>
<th>Percentages</th>
<th>Initial Allocation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water/Wastewater</td>
<td>20%</td>
<td>$599,995,000.00</td>
</tr>
<tr>
<td>Power</td>
<td>15%</td>
<td>$449,996,250.00</td>
</tr>
<tr>
<td>Communications/IT</td>
<td>12%</td>
<td>$359,997,000.00</td>
</tr>
<tr>
<td>Health and Social Services</td>
<td>11%</td>
<td>$329,997,250.00</td>
</tr>
<tr>
<td>Municipalities</td>
<td>10%</td>
<td>$299,997,500.00</td>
</tr>
<tr>
<td>Transportation</td>
<td>7%</td>
<td>$209,998,250.00</td>
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<tr>
<td>Education</td>
<td>7%</td>
<td>$209,998,250.00</td>
</tr>
<tr>
<td>Public Buildings</td>
<td>7%</td>
<td>$209,998,250.00</td>
</tr>
<tr>
<td>Housing</td>
<td>5%</td>
<td>$149,998,750.00</td>
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<tr>
<td>Capacity Building</td>
<td>3%</td>
<td>$89,999,250.00</td>
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<tr>
<td>Natural and Cultural Resources</td>
<td>1.50%</td>
<td>$44,999,625.00</td>
</tr>
<tr>
<td>Economics</td>
<td>1.50%</td>
<td>$44,999,625.00</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>100%</strong></td>
<td><strong>$2,999,975,000.00</strong></td>
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</table>
Funding Priority

Priorities may be reviewed and reprioritized based on the work and available funding remaining at the time.
Types of Projects HMGP Can Fund

Projects must mitigate future damage or loss from natural hazards

Property Acquisition and Structure Demolition

Generators for Critical Facilities
Types of Projects HMGP Can Fund

- **Localized Flood Risk Reduction**
- **Non-localized Flood Risk Reduction**
- **Dry Floodproofing**
Types of Projects HMGP Can Fund

- Structural Retrofitting
- Wind Retrofitting
- Non-Structural Retrofitting
- Infrastructure Retrofit
Types of Projects HMGP Can Fund

- Hurricane Safe Rooms
- Stream Restoration
- Slope Stabilization
Eligible Projects

The following is a list of eligible activities for HMGP in DR-3449-PR:

- **Property Acquisition and Structure Demolition**
- **Mitigation Reconstruction**
  - The construction of an improved, elevated building on the same site where an existing building and/or foundation has been partially or completely demolished or destroyed.
- **Dry Floodproofing of Historic Residential Structures**
- **Dry Floodproofing of Non-residential Structures**
  - Techniques applied to keep structures dry by sealing the structure to keep floodwaters out.
- **Generators for Critical Facilities**
- **Localized Flood Risk Reduction Projects**
  - Installation or modification of culverts and other stormwater management facilities; construction or modification of retention and detention basins; and construction or modification of floodwalls, and weirs.
Eligible Projects Continued

- **Non-localized Flood Risk Reduction Projects**
  - Construction, demolition, or rehabilitation of dams; construction or modification of dikes, levees, floodwalls, seawalls, jetties, breakwaters, and stabilized sand dunes; and large-scale channelization of a waterway.

- **Structural Retrofitting of Existing Buildings**
  - Modifications to the structural elements of a building such as foundations, load-bearing walls, beams, columns, building envelope, structural floors and roofs, and the connections between these elements **TO ELIMINATE OR REDUCE RISK OF FUTURE DAMAGE.**

- **Non-structural Retrofitting of Existing Buildings and Facilities**
  - Non-structural retrofits may include bracing of building contents to prevent earthquake damage or the elevation of utilities.

- **Wind Retrofit for One- and Two-Family Residences**
  - Shutters, impact resistant windows, etc.
Eligible Projects Continued

- Infrastructure Retrofit
  - Measures to reduce risk to existing utility systems, roads, and bridges.
- Safe Room Construction
- Soil Stabilization
  - Installation of geotextiles, stabilizing sod, installing vegetative buffer strips, preserving mature vegetation, decreasing slope angles, and stabilizing with rip rap and other means of slope anchoring.
- Miscellaneous/Other
- Aquifer and Storage Recovery**
- Flood Diversion and Storage**
- Floodplain and Stream Restoration**
- Green Infrastructure**

**Indicates that any proposed action will be evaluated on its own merit against program requirements. Eligible projects will be approved provided funding is available.
HMGP: Ineligible Activities

- Projects that fall under the more specific authority of another federal agency or program (i.e., FEMA PA, EPA, USACE, FHWA, HUD-CDBG, etc.)
- Projects that do not reduce the risk to people, structures, or infrastructure.
- Projects that are dependent on a contingent action to be effective and/or feasible.
- Projects for which actual physical work has occurred prior to award or final approval.
- Deferred Maintenance

SEE SECTION III, PART E.2 OF HMA GUIDANCE FOR FULL LIST OF INELIGIBLE ACTIVITIES
**HMGP: Application Process**

<table>
<thead>
<tr>
<th>Step 1</th>
<th>• COR3 notifies potential sub-applicants (NOFA)</th>
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</thead>
<tbody>
<tr>
<td>Step 2</td>
<td>• Sub-applicant submits O-LOI</td>
</tr>
<tr>
<td></td>
<td><a href="http://bpm.cor3.pr/">http://bpm.cor3.pr/</a></td>
</tr>
<tr>
<td>Step 3</td>
<td>• COR3 reviews and selects proposals based on</td>
</tr>
<tr>
<td></td>
<td>priorities</td>
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<tr>
<td>Step 4</td>
<td>• COR3 notifies sub-applicants of recommended</td>
</tr>
<tr>
<td></td>
<td>selected selected proposals</td>
</tr>
<tr>
<td>Step 5</td>
<td>• COR3 submits applications to FEMA</td>
</tr>
<tr>
<td>Step 6</td>
<td>• FEMA reviews and makes determination (with</td>
</tr>
<tr>
<td></td>
<td>potential RFIs) on sub-applications</td>
</tr>
</tbody>
</table>
LETTERS OF INTENT
LOIs

- **Eligible Sub-Applicants** are encouraged to prioritize sector-based mitigation projects considering the **Eligible Activities**.

- Submit Online - Letters of Intent (O-LOI) to participate in the HMGP. [http://bpm.cor3.pr/](http://bpm.cor3.pr/)

- The O-LOI will be submitted via the COR3’s DRS (Disaster Recovery Solution).

- You will receive a confirmation email that your O-LOI has been received.

- COR3 will evaluate, prioritize, and notify sub-applicants regarding next steps.
Help Desk phone number: 1-800-685-6022

To request access to this system download and complete the access request form

Subrecipient Authorization form:  English  Spanish  

Backoffice Request form:  English

DRS FEMA PA Release Notes:  5/24/2019 - V2.2

Reset Password

Sign in to continue to BPM

User name

Password
404 Letter of Intent

Sub-Applicant

* Sub-Applicant Name

* Address 1

Address 2

* Municipality

* Zip

* Phone

* FIPS

* Tax ID

* Type

* DUNs

HMGPR@cor3.pr.gov
**Mitigation Opportunity Identification**

<table>
<thead>
<tr>
<th><strong>No.</strong></th>
<th><strong>Entry Date</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>404 Opportunity-0026</td>
<td>5/29/2019</td>
</tr>
</tbody>
</table>

**Sector**

- Municipalities

**HMGP Project Type**

- Localized Flood Risk Reduction Projects

**Property Address 1**

**Property Address 2**

**Municipality**

**Zip**

**Latitude (17.8xxx to 18.59xx°)**

**Longitude (-65.2xxx to -67.29xx°)**

**Cadastre Number**

**Available Course of Actions:**

- WTR 4 - Enhance Ability to Transfer Potable Water Among PRASA Service Zones
- WTR 11 - Repair, Replace, and Improve PRASA Wastewater Treatment Plants and Sanitary Sewer Collection Systems
- WTR 18 - Invest in Stormwater System Management
- WTR 19 - Reduce Urban Nuisance Flooding
- WTR 20 - Relocate or Redesign Assets in Flood Zones
- WTR 23 - Evaluate, Repair, and Improve Flood Control Infrastructure

**Assigned Course of Actions:**

- NCR 14 - Water Quality Improvements at the Watershed Scale
Courses of Action

- Courses of Actions (COAs) identified in the *Transformation and Innovation in the Wake of Devastation: An Economic and Disaster recovery Plan for Puerto Rico* (Governor’s Plan)
- COAs are identified by each sector.
- HMGP projects must align with a COA
- When filling out the O-LOI, a COA that aligns with the project goals must be selected.
- Applicable COAs are available in the O-LOI application.
O-LOI

- Lifeline
  - 1. Safety and Security

- Lifeline Subcategory
  - Search and Rescue

- Phone

- Estimated Cost
  - $0

Comments

[Logos: FEMA, CORB]
Lifelines

- A lifeline enables the continuous operation of government functions and critical business and is essential to human health and safety or economic security.

- O-LOI application must indicate which they are protecting. Choose ONE that is the most applicable.
Community Lifelines

Definition
A lifeline enables the continuous operation of government functions and critical business and is essential to human health and safety or economic security.

Purpose
- Root Cause Analysis
- Interdependencies
- Prioritization
- Ease of Communication

Assessing
- Status — What?
- Impact — So What?
- Actions — Now What?
- Limiting Factors — What’s the Gap?

COMPONENTS of Lifelines
- Safety and Security
- Food, Water, Marketing
- Health and Medical
- Energy (Power & Fuel)
- Communications
- Transportation
- Recreational Facilities
- Low Environment
- Evacuations
- Medical Care
- Power (Cold)
- Infrastructure
- Highway/Roadway
- Search and Rescue
- Food/Portable Water
- Patient Movement
- Temporary Power
- Alerts, Warnings, and Messaging
- Mass Transit
- Hazardous Debris, Pollutants, Contaminants
- Fire Service
- Shelter
- Public Health
- Fuel
- 911 and Dispatch
- Railway
- Government Services
- Durable Goods
- Fatality Management
- Firefighter Communications
- Aviation
- Responder Safety and Security
- Water
- Health Care Supply Chain
- Financial Services
- Maritime
- Immediate Hazard Mitigation
- Agriculture
- Pipeline

FEMA
# Scope of Work

- **Description of Mitigation Measure or Project**

- **Describe its Benefits to the Community/State**

- **References to the Multi Hazard Mitigation Plan (Municipal Plan/State Plan)**

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**FEMA**

[Logo]
CRITERIA FOR SELECTION
What are the criteria?

All projects must be in conformance with 44 CFR, Part 200, Subpart N

There are a minimum of five criteria that must be met for a proposed project to be eligible for HMGP funding to be in accordance with 44 CFR Part § 206.434(c):

i. The project must conform to both the state and local hazard mitigation plans.

ii. The project must provide a beneficial impact on the disaster area.

iii. The project be in conformance with 44 CFR, Part 9 and meet all applicable environmental and historic preservation requirements, laws, and regulations.

iv. The project must solve a problem independently or be a functional portion of a solution where there is assurance that the entire project will be completed.

v. The project must be cost-effective.
Applying for HMGP funding with an expired local mitigation plan?

HMGP requires a mitigation plan to be approved and adopted prior to the obligation of FEMA funds, not when a sub-applicant applies for funding.

*Sub-applicants may, and are encouraged to identify and develop projects even if their local mitigation plans are expired.*

Puerto Rico Planning Board is coordinating with all municipalities to update all local plans in Puerto Rico starting in 2019 based on their expiration date.

*Neither the SHMO nor FEMA may waive the requirements to have a local mitigation plan.*

(COR3 Memorandum: *Revision of Local Mitigation Plans*, sent August 20, 2018)
HMGP Sub-Applications Review Criteria

Sub-application will require the following information at minimum by the sub-applicant to COR3:

- Scope of Work
- Schedule
- Cost Estimate
- Cost-Effectiveness
- EHP Compliance
- Supporting documentation for technical feasibility, EHP compliance, and cost-effectiveness
- Assurance Forms
  - Sub-applicants is responsible for maintenance. Maintenance costs are **NOT** eligible under HMGP
How to Determine if a HMGP project is Cost-effective?

Projects where benefits exceed costs are considered cost effective. Cost-effectiveness is demonstrated by performing a Benefit-Cost Analysis (BCA). Part of the BCA is computing the BCR:

\[
\text{Benefit-Cost Ratio (BCR)} = \frac{\text{Benefits}}{\text{Costs}}
\]

Projects with \( BCR \geq 1 \) are considered cost effective.
How to Determine if a HMGP project is Cost-effective?

- FEMA’s Benefit-Cost Toolkit (version 5.3 or most recent version)
- The Toolkit allows the creation of a Benefit-Cost Analysis (BCA).
- The Toolkit consists of many modules, categorized by natural hazards and project types, such as:
  - Flood
  - Hurricane-Wind
  - Safe Room
  - Earthquake
  - Wildfire
  - Drought
  - Damage-Frequency Assessment

The toolkit is available here:  https://www.fema.gov/benefit-cost-analysis
What Environmental and Historic Preservation Regulations Apply to HMGP Projects?

• All Applicable state and federal environmental and historic preservation regulations and laws apply to all projects funded by the HMGP.

• All projects must meet regulations under the applicable environmental and historic preservation regulations through the Unified Federal Review Process.

• FEMA’s office of Environmental and Historic Preservation provides a broad overview here: https://www.fema.gov/office-environmental-planning-and-historic-preservation
EHP Requirements

The subapplicant must identify applicable information that must be provided to COR3, such as a complete SOW narrative, documentation, maps, studies, or correspondence related to:

- Biological resources
- Water and biological resources
- Water resources
- Coastal resources
- Pollution control and debris management
- Socioeconomic resources
- Historic or cultural resources
What do I need to meet EHP for HMGP Projects?

• Depending on the project type and location, several EHP regulations may apply.
• An EHP checklist is available in Part IX Appendix, Appendix E of the HMA Guidance
• EHP Job Aids are available from FEMA
  • 8-Step Decision Making Process for Floodplain Management Considerations and Protection of Wetlands
  • Section 106 Process under the National Historic Preservation Act
  • NEPA Flow Chart for HMA Projects
• EHP technical assistance is available through the sector teams
Related Links

- The HMA Guidance and Addendum may be found here: https://www.fema.gov/media-library/assets/documents/103279

- HMA Job Aids may be found here: https://www.fema.gov/media-library/assets/documents/102051

TECHNICAL ASSISTANCE
Technical Assistance

- Eligible HMGP sub-applicants will be provided with technical assistance through the sector teams.

- For questions regarding this notice, please contact COR3 and the State Hazard Mitigation Officer:

  hmgp-pr@cor3.pr.gov
QUESTIONS?