



# Hazard Mitigation Grant Program State-Wide Applicant Briefing Hurricane Idalia (DR-4734)

*Mitigation Bureau*

*Florida Division of Emergency Management*

03/18/24



# General Webinar Info

- This webinar will be recorded and posted on the State's HMGP site for later viewing
- **All lines will be muted for the duration of the webinar**
- If you have a question or issue during the presentation, please submit it through the webinar chat
- All questions asked during the webinar will be answered either at the end or in the meeting minutes afterwards



# General Webinar Info

- Welcome and Introductions
- HMGP Overview
  - Programmatic
  - Engineering
  - Environmental and Historic Preservation
- DEMES Overview
- Closing Remarks



# Welcome and Introductions



Programmatic



# What Does Mitigation Do?

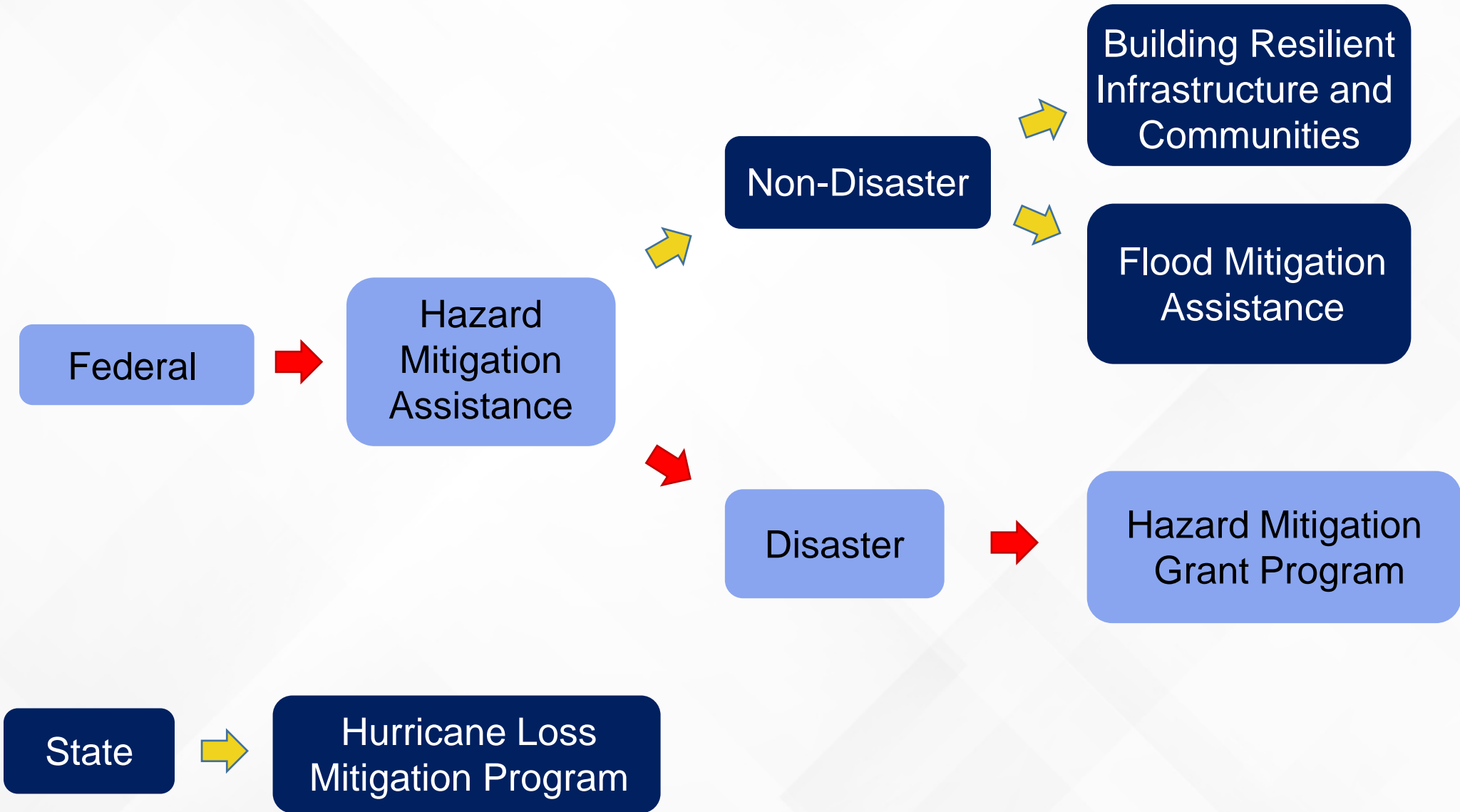
Mitigation breaks the cycle of disaster, damage, reconstruction and repeated damage



\$6 is saved in future disaster costs for every \$1 of hazard mitigation spent  
*Natural Hazard Mitigation Saves: 2017 Interim Report (<https://www.nibs.org/page/mitigationsaves>)*



# Mitigation Bureau Grant Programs





# HMGP Authority and Regulations



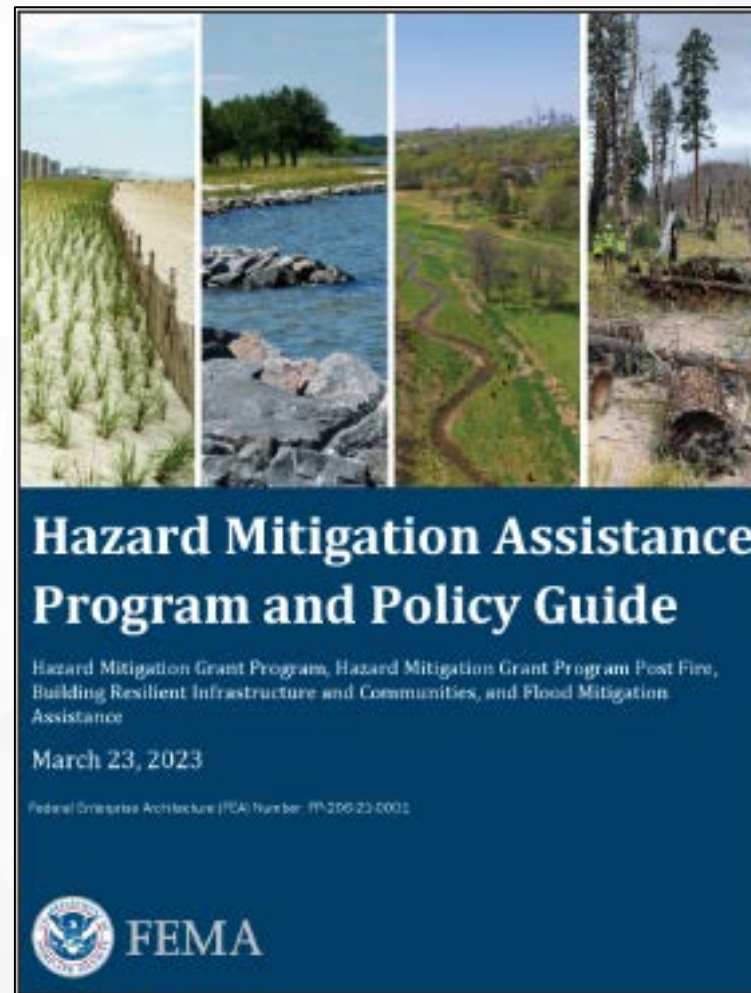
Stafford Act



44 CFR



2 CFR 200







# Post-Disaster Mitigation Funding

## Hazard Mitigation Grant Program (404)

- Vulnerable to any natural event, not just declared event
- Can be used on private property
- Project can not be eligible under any other federal program
- Must be cost-effective and meet other performance criteria



## Public Assistance (406)

- Damaged by the event and site-specific mitigation
- Located within defined declaration area
- Can not be used for private property
- Project can not be eligible under any other federal program
- Facility must be in active use at time of disaster



# Administrative Rule 27P-22, F.A.C.

## Local Mitigation Strategy (LMS)

- Establishes LMS Working Groups
- Outlines project selection process
- LMS Annual Update
- Additional LMS Requirements

## Hazard Mitigation Grant Program (HMGP)

- Outlines project eligibility
- Establishes funding allocation
- Sets proportion snapshot date
- Outlines application process



# Who Can Apply?

All must go through the Local Mitigation Strategy Working Group of the county where the project will take place:

## Certain Private Non-Profit Orgs.

- Medical
- Residential Health Care Facilities
- Educational
- Emergency Utility
- Houses of Worship\*

*\*If you have been considered eligible for PA, you are most likely an eligible applicant*

## Government Entities

- State Agencies
- Local Governments and Agencies
- Special and Regional Districts

## Tribal Nations



# Program Funding

**HMGP is a Cost-Reimbursement Program**



Financed by sub-recipient with eligible project costs reimbursed through requests to the State

**FEMA Share**



Up to 75 percent of all eligible project costs

**Sub-applicant Share**



Local share that can be made up from a combination of cash, in-kind sources, and global match

**Sub-Recipient Management Costs**



Separate pool of funding and reimbursed at 100 percent of eligible activities



# Three-Tiered Funding System

- FEMA provides State with initial HMGP funding amount
- State determines county allocations based on the prorated share of federal disaster funds spent in their county on:
  - Public Assistance (PA)
  - Individual Assistance (IA)
  - Small Business Administration (SBA)
- State published a Notice of Funding Availability (NOFA) which contains allocations of all designated counties



# Three-Tiered Funding System

## Tier One

Initial allocation of submitted and eligible projects will be funded in order of priority as endorsed by the LMS Working Group

## Tier Two

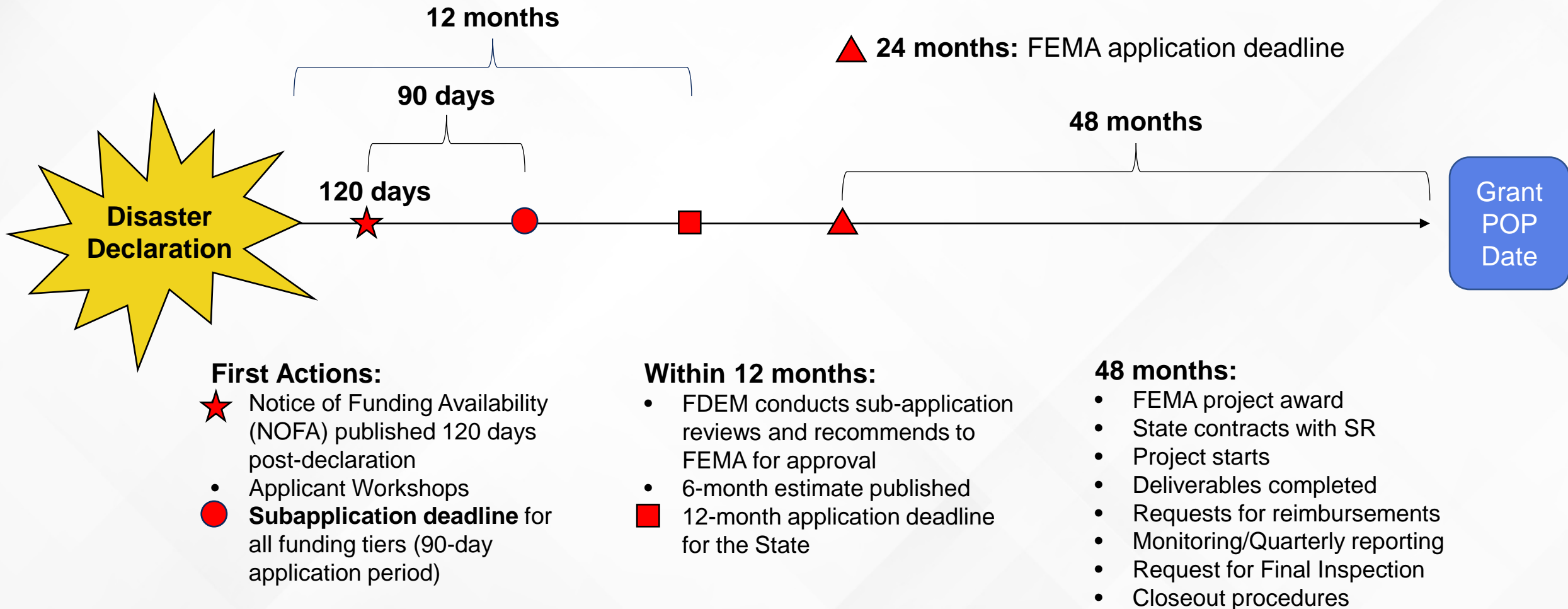
Any allocation remaining after all eligible projects in any designated county are funded will go to another designated county Working Group with a partially funded project contained in original submission

## Tier Three

If funds remain after the Tier Two funding process, the un-obligated funds will be provided to any applicant statewide with a project application submitted within the application period, on a first-come-first-serve basis until all available funds are obligated



# HMGP Implementation Timeline





# Role of the Sub-Applicant and Sub-Recipient

## During Open Application Period

- Coordinate with LMS Working Group
- Secure non-federal funding source(s)
- Ensure project is endorsed by LMS  
Chairperson/Vice-Chairperson
- Register as a user in FDEM Portal
- Submit a signed fully completed HMGP application and required attachments
- Respond to requests for information in a timely manner

## Post-Award

- Perform project in accordance with approved scope of work and schedule
- Submit quarterly reports to State no later than the 15<sup>th</sup> of the month (after the quarter ends)
- Audit projects in accordance with 44 CFR Part 14
- Communicate any and all issues to assigned Project Manager





# What makes an eligible HMGP project?

## Planning Requirements:

- Approved County LMS Plan
  - Jurisdiction/sub-applicant must adopt the County LMS Plan (excluding eligible private non-profits)
- Project appears on the LMS Prioritized Project List (PPL)
- Cost shown on Endorsement Letter matches PPL and sub-application (within \$500)
- Project consistent with LMS Goals and Objectives
- Project endorsed by LMS Chairperson/Vice-Chairperson



# What makes an eligible HMGP project?

## Conformance with Hazard Mitigation Assistance (HMA) Guidance:

- Cost-effective, technically feasible, and effective mitigation
- Environmental and Historic Preservation Requirements
- National Flood Insurance and Special Flood Hazard Area Requirements
- Any application State and local codes



# What makes an eligible HMGP project?

## Conformance with Notice of Funding Availability (NOFA):

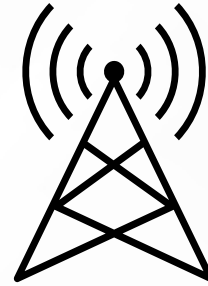
- Application submission process
  - HMGP Application (1\_2020)
- Submission deadlines
- State requirements
- Eligibility requirements



# Eligible Project Activities



Elevations  
Acquisitions  
Dry Floodproofing  
Flood Risk Reduction



Critical Facility Generators  
System Retrofits



Structural Retrofitting  
Infrastructure Retrofitting



Mitigation Planning\*  
Planning Initiative Funds Only



Wildfire Mitigation



New Construction\*  
Safe rooms, Code Plus, Mitigation  
Reconstruction, WWTP Relocation



# Previously Funded HMGP Projects

- Acquisition
- Elevation of structures
- Elevation of critical infrastructure
- Catch basins/water retention projects
- Wetland restoration
- Flood proofing of non-residential structures
- Drainage improvements
- Flood control gates
- Erosion and sediment control projects
- Lift/pump station retrofits
- Structural hazard control or protective actions
- Retrofitting wastewater treatment plant
- Water diversion
- Shuttering/wind protection measures
- Sewer backup protection



# LMS Endorsement Letter

- Must have priority number and budget (total project cost and federal share at a minimum)
- Must identify how project meets LMS goals and objectives
- Signed by LMS Chairperson/Vice-Chairperson
- Applications without an LMS endorsement letter will NOT be processed
- Template Endorsement Letter can be found in Appendix C of NOFA

(On agency letterhead)

**Date**

Ms. Laura Dhuwe, State Hazard Mitigation Officer Florida  
 Division of Emergency Management  
 2555 Shumard Oak Boulevard Tallahassee,  
 Florida 32399-2100

Re: Hazard Mitigation Grant Program (HMGP) applications for **FEMA XXX-DR-FL, Disaster Name**

Dear Mrs. Dhuwe:

The \_\_\_\_\_ County Local Mitigation Strategy (LMS) working group has approved by vote and prioritized the following projects for HMGP funding from this disaster. These projects align with our LMS goals and objectives as noted, and with the State's mitigation goals and objectives (in accordance with the Code of Federal Regulations 44 §201.6).

The \_\_\_\_\_ County LMS group therefore presents the projects below (or in the attachment) in the order that they are to be considered for funding.

**FEMA XXX-DR-FL, Disaster Name**

Funding Priority	Project Name or Description	Applicant	Goal/Objective Implemented	Estimated Total Project Cost	Estimated Federal Share
1.	Project name	Applicant	3. B. (2)	\$000,000	\$000,000
2.	Project name	Applicant	1. A. (4)	\$000,000	\$000,000
3.	Project name	Applicant	2. B. (4)	\$000,000	\$000,000
<i>Etcetera</i>					

For further information or inquiry, please contact me at (insert phone number and email).

Sincerely,

\_\_\_\_\_, LMS Chair  
 \_\_\_\_\_, County LMS

cc:



# Pre-Award Costs

- Only eligible costs incurred after Presidential Declaration Date
- Pre-construction soft costs
  - Activities such as engineering, modeling, permitting, environmental studies, etc.
- Must be approved by State and FEMA
- A request must be submitted with application
- Cannot include construction
- If not approved, costs incurred are sole responsibility of the sub-applicant



# Global Match

*The Global Match (GM) option allows for sub-recipients to leverage other mitigation efforts at the local level to help offset the non-federal match requirement of HMGP projects*

## Main Requirements:

- Must be funded with 100% non-federal funds
- Must be submitted within the same disaster as the project it's matching
- Must be an eligible project type under the HMGP and meet all HMGP criteria (full review)
- Must not begin prior to approval from State and FEMA
- Requires separate GM application to be submitted under the same disaster
  - **Subapplication(s)** (for project(s) requesting HMGP federal funds) + **HMGP Subapplication for GM Project**
- Cannot be phased





# Global Match

## PROS

- Great for projects that need financial help
- Benefits can be shared across counties
- Leverage ongoing mitigation efforts
- Encourage more local participation

## CONS

- Timing
- If GM project falls through, all projects revert to 75/25
- GM project must go through same HMGP review
- GM project can't start until under State contract



# Sub-Recipient Management Costs

- SRMC is available upon request
  - 5 percent of the HMGP award set-aside for sub-recipients for every disaster
  - Keep management funds and project funds separate
  - Must be requested at the time of application for specific activities
  - Indirect and/or administrative costs only
  - Per project, SRMC cannot exceed 5 percent of the total project costs (75/25), or 5 percent of the proportional federal share if cost-share is below 75 percent federal\*

*\*Application assumes 75/25 cost-share in calculation, but if Federal cost-share ends up < 75%, SRMC will be lower based on new proportion (federal share/0.75 = applicable total project cost for SRMC)*



# Sub-Recipient Management Costs

Management costs are any indirect costs and administrative expenses that are reasonably incurred by a recipient or subrecipient in administering an award or subaward

## Examples of Allowable SRMC

Sub-application development (admin)

Managing Award (e.g. quarterly reporting and closeout)

General administration and general expenses

Personnel and accounting administration

Cost of operating and maintaining facilities



# FDEM Portal

- Request Access ASAP!
- See NOFA for access request instructions
- Deadline to request access closes @ 5:00PM (EDT), April 30<sup>th</sup>
- All applications are due in DEMES by 11:59PM (EDT) on the application deadline



# Important Dates

## Hurricane Idalia (DR-4734):

- FDEM Portal Access Request Deadline
  - Tuesday, April 30, 2024, 5:00PM (EDT)
- Hard-Copy Submittal Deadline
  - Tuesday, April 30, 2024, 5:00PM (EDT)
- FDEM Portal Submittal Deadline
  - Tuesday, April 30, 2024, 11:59PM (EDT)



# Questions?





# Break



Engineering





# Technical Application Review

Three simultaneous reviews after submitting your application:

## PROGRAMMATIC REVIEW

Project Manager (PM)



## ENGINEERING REVIEW

Engineering (ENG) Specialist



## ENVIRONMENTAL REVIEW

Environmental (EHP) Specialist





# Technical Application Review



The FDEM Technical Team is responsible for **working with Florida Sub-applicants** to ensure their project application meets all requirements and will have a smooth award process with FEMA.

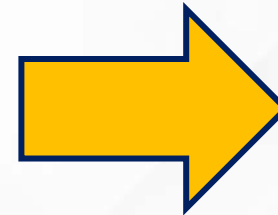
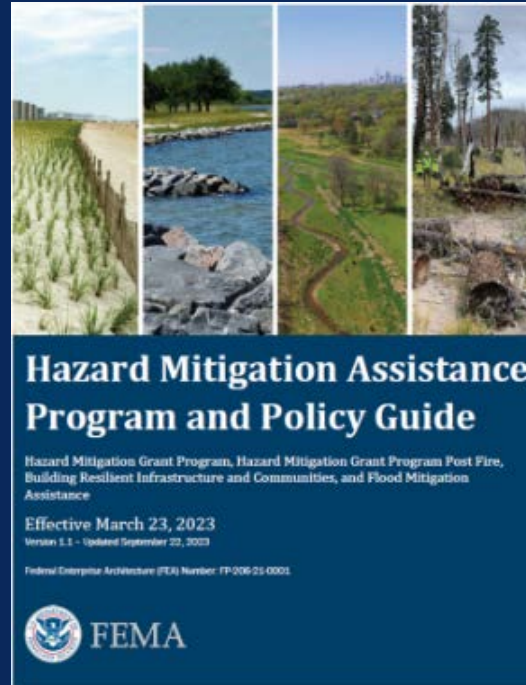
**We are on your side** and want the best for your project. Our performance is based on **awarded** mitigation projects.



# Engineering Review

## Purpose

- Complete application engineering review on behalf of FEMA.
- Application completeness.
- Compliance with HMGP:
  - **Project Eligibility**
  - **Feasibility**
  - **Cost Effectiveness (BCA)**
- Phasing determinations.
- Construction Cost Eligibility.
- Scope of Work.
- Collect adequate supporting documentation.



## Goal

- Submit a Project Recommendation to FEMA for funding approval.



# Key Application Info for ENG Review

- Clear project type
- Type of hazard
- A detailed description of the problem
- A detailed description of the solution
- Population affected
- Clear project location
- Level of protection
- **Complete project worksheet\***





# Project Worksheets

## What is on the worksheets?



MITIGATION  
Generator Worksheet

**Section I – Project General Information**

Project Name:	Worksheet completed by:
Sub-Applicant:	Name:
	Title:
	Phone:
	Email:

**Section II – Project Cost Information**

Mitigation Project Cost:	Annual Maintenance Cost:
--------------------------	--------------------------

**Section III – Project Specific Information**

The table below allows data entry for up to 4 locations. If your project has more than 4 locations, you can either submit a second Generator Worksheet or attach a separate list, providing the information requested below and in Sections IV, V and VI, as applicable.

ID	Project Location (address)	Type of proposed generator (Permanent or Portable)	Proposed Capacity (kW)
1.		- Select -	
2.		- Select -	
3.		- Select -	
4.		- Select -	

Provide the information requested in the table below by using the ID as the reference to the location listed in the table above.

ID	Type of Fuel (natural gas, diesel, propane, etc.)	Type of Fuel Tank (Stand-alone, underground, etc.)	Fuel Tank Storage Capacity & Duration (gallons/ hours)	Proposing to Install a new ATS?	Constructing a new concrete Pad?	Is there an Existing generator?	Specify capacity of existing Generator (kW)
1.				- Select -	- Select -	- Sele -	
2.				- Select -	- Select -	- Sele -	
3.				- Select -	- Select -	- Sele -	
4.				- Select -	- Select -	- Sele -	

If you are not installing a new ATS, please explain why?

If you are not installing a new Concrete Pad, please explain why?

Page 2 of 6  
Bureau of Mitigation Florida Division of Emergency Management

For each project location identified in Section III, please select only **one** type of the selection made.

**Structure ID 1.**

**Fire Station**

How many people are served by this fire station?

If only one fire station serves the entire population of a community, that number may be used. For larger communities with multiple fire stations, only the population directly served by the station being mitigated can be used. Documentation for the service population can come from the fire station, local planning office, or other creditable source.

Does this fire station provide Emergency Medical Services (EMS)?  Yes  No

Provide the address of the nearest fire station:

Provide the address of the nearest fire station with EMS:

**Police Station**

How many people are served by this police station?

How many police officers work or report to this police station?

### GENERATOR(S) WORKSHEET INSTRUCTIONS

Refer to the instructions below for completing the Generator(s) Worksheet.

#### Section I – Project General Information

**Project Name:** Enter the name of the project title. The title should be short but descriptive (e.g., City of Orlando, Police Station, Backup Generator).

**Sub-Applicant:** Enter your organization's legal name.

**Worksheet completed by:** Enter name, title phone number and email of the person completing this Worksheet. This person must have the knowledge and / or the resources to accurately answer all questions and provide supporting documentation, as needed. Information may come from multiple creditable sources.

**Type of Fuel Tank:** Specify the type of fuel tank, if applicable (e.g., Sub-base, stand-alone above ground, stand-alone underground, etc.)

**Fuel Tank Storage Capacity (gallons) & Duration (hours):** Specify the fuel tank storage capacity and duration, if applicable. The fuel tank storage capacity and duration must be sufficient to mitigate risk from the natural hazard.

**Proposing to install a new ATS?** Select "Yes" if you are proposing to install a new Automatic Transfer Switch (ATS) as part of the proposed mitigation project. Select "No" if a new ATS is not necessary and provide an explanation.

**Constructing a new concrete Pad?** Select "Yes" if you are proposing to construct a new concrete pad to install the new generator. Select "No" if a new concrete pad is not necessary and provide an explanation.

**Is there an existing generator?** Select "Yes" if there is an existing generator at the project site; Otherwise, select "No".

**Specify capacity of the existing Generator (kW):** If there is an existing generator at the project site, please specify its capacity.

#### Section II – Project Cost Information

**Mitigation Project Cost:** Enter the total cost of the project. A lump sum on this worksheet is acceptable for preliminary BCA, but a detailed breakdown attached to your application is required.

**Annual Maintenance Cost:** Enter the cost associated with maintaining the effectiveness of the components installed as part of the utility mitigation project.

#### Section III – Project Specific Information

**Project Location:** Provide the physical address(es) of the critical facility(es) that will be supported by the proposed generator(s). For multiple locations, please provide information on Section VI of this worksheet.

**Type of proposed generator:** From the dropdown menu option, select the proposed type of generator(s):

- **Permanent Generator:** A permanently installed generator that provides a secondary source of power by being hard-wired into the facility's main distribution panel and can be started manually or automatically in the event of a power outage.

- **Portable Generator:** A non-fixed generator that works with stand-alone applications and is meant to temporarily energize a few critical applications vis external cords.

#### Section IV – Loss of Service

##### FIRE STATION

**How many people are served by the Fire Station?** If only one fire station serves the entire population of a community, that number may be used. For larger communities with multiple fire stations, only the population directly served by the station being mitigated can be used. Documentation for the service population can come from the fire station, local planning office, or other creditable source.

**Does the fire station provide Emergency Medical Services (EMS)?** Select "Yes" if the fire station provides EMS or has EMS trained personnel; Otherwise, select "No".

**Provide the address of the nearest fire station:** The nearest fire station would serve as an alternative station to provide fire protection due to loss of function of the fire station being mitigated.



# Scope of Work

- The Scope of Work (SOW) should answer the following questions:
  - What is the proposed project?
  - Will the project solve this problem?
  - Who is affected by the project?
  - Why were alternative solutions not chosen?
  - Who will perform the work?
  - Where is the proposed project location?
  - What is the level of protection the project will provide?
  - What are the code and standards the project will meet?

*FEMA's Hazard Mitigation Assistance Job Aids can provide some guidance to help you build your SOW:*

<https://www.fema.gov/grants/mitigation/job-aids>



# Cost Estimate

- A detailed budget estimate should be provided (applies to phased projects)
- No lump sums are allowed
- The FDEM Engineering Team will be working directly with all sub-applicants and their staff/consultants on budget-related documentation to establish:
  - Final project cost
  - Adequate sources used to build your budget
  - All activities being eligible under HMGP

*The cost estimate is your best approach to the final project cost, please try to be as close to reality as possible to avoid any funding issues post award*



# Schedule

The Schedule should:

- Reflect the time needed to complete and close out the project
- Should include time for FEMA's review and award process
- Not exceed the federal period of performance
- Align with the SOW and budget
- Ensure the tasks/milestones are aligned with funding obligation
- Incorporate milestones to help measure the progress of the project

*Please visit FEMA's HMA Guidance and make sure you understand the program's Period of Performance*





# Application Key Info for ENG Review

How do succeed on the ENG Review with my application?

## Submit a Complete Application

- Answer all questions.
- **Read the guidance.**
- Be consistent.
- Clearly explain the problem.
- Clearly explain the project to solve the problem.
- Specify what you are trying to achieve (level of protection).

## Submit a Complete Project Worksheet

- Answer all questions on the project worksheet.
- Provide consistent information.
- Provide specific information for the analysis:
  - Losses
  - Benefits
  - Population affected

## Respond to RFI's in a Timely Manner

- RFI's will be sent within 3 business days deadline, be ready to answer on time.
- List the correct person to contact.
- Be ready to contact others that can help you with answers.





# Common Application Pitfalls

- Projects proposing maintenance and/or repairs
- Projects proposing capital improvement activities
- Vague scope of work
- Providing a schedule under the SOW section
- Incomplete explanation of problem
- Lack of level of protection
- Ineligible construction activities
- Lump sum project cost
- Under estimating project cost
- Combining programmatic, engineering and environmental RFI's/answers
- **Blank/incomplete project worksheet\***



# Project Worksheets

## Why is the project worksheet important?

- Provides information to the FDEM Engineering Team to run a BCA for your project as soon as the application is assigned
- A complete worksheet will expedite the ENG review of your application
- Will allow the State to ask specific questions, reducing the amount of RFI's

*Previous version of worksheet will also be accepted*

**MITIGATION**  
Generator Worksheet

### Generator(s) Worksheet

For preliminary Benefit Cost Analysis conducted by the State Mitigation Technical Team

Applies for the following mitigation activities: **PERMANENT AND PORTABLE GENERATOR**. For assistance, contact the State of Florida Mitigation Technical Unit.

**IMPORTANT:** This worksheet is required as part of your application. The State of Florida Mitigation Technical Unit will conduct a Benefit Cost Analysis (BCA) for your project and the following information is needed to evaluate cost effectiveness. Once a preliminary BCA is completed, the reviewer will contact you with results and/or to collect support documentation.

**NOTE:** Having a complete worksheet will expedite the Technical Review

**Requirements**

To complete a successful project application, a minimum amount of technical information is required for review. Data collected in this worksheet will provide reviewers with preliminary information necessary to evaluate project eligibility, feasibility, and cost effectiveness. Carefully review and confirm that you are aware of the following information.

**Permanent Generator(s):** The generator(s) shall be protected against a 500-year flood event by implementing specific activities or by locating the generator(s) outside the Special Flood Hazard Area (SFHA), comply with applicable National Flood Insurance Program (NFIP) requirements and shall be protected against wind with a rated enclosure and appropriate anchoring based on its location requirements per ASCE 7 standards. The selected site shall provide sufficient space to maintain and fuel the generator(s) and shall comply with the National Electrical Code working clearance requirements. Activities shall be completed in strict compliance with Federal, State and Local applicable Rules and Regulations.

**Portable Generator(s):** The portable generator(s) shall be stored at a location protected against a 500-year flood event or located outside the Special Flood Hazard Area (SFHA), comply with applicable National Flood Insurance Program (NFIP) requirements, and shall be protected against wind with a rated enclosure based on their location requirements. Activities shall be completed in strict compliance with Federal, State and Local Rules and Regulations.

**Automatic Transfer Switch (ATS):** The automatic transfer switch(es) shall be protected against a 500-year flood event by implementing specific activities or by locating the automatic transfer switch(es) outside the Special Flood Hazard Area (SFHA), comply with applicable National Flood Insurance Program (NFIP) requirements and shall be protected against wind with a rated enclosure and appropriate anchoring based on its location requirements per ASCE 7 standards. Activities shall be completed in strict compliance with Federal, State and Local applicable Rules and Regulations.

I confirm that I have reviewed the requirements listed above:

FEMA has approved an approach to demonstrating cost-effectiveness for certain hospital generator projects based on pre-calculated benefits which requires minimal documentation if certain requirements are met.

**BEFORE PROCEEDING TO THE NEXT SECTION PLEASE SELECT AN OPTION BELOW:**

Does your project meet all the requirements from the below FEMA memorandum?  
[Pre-Calculated Benefits for Certain Hospital Generators to Demonstrate Cost-Effectiveness](#)

Yes (Only complete Section I of this worksheet)  No (Complete all sections of this worksheet)

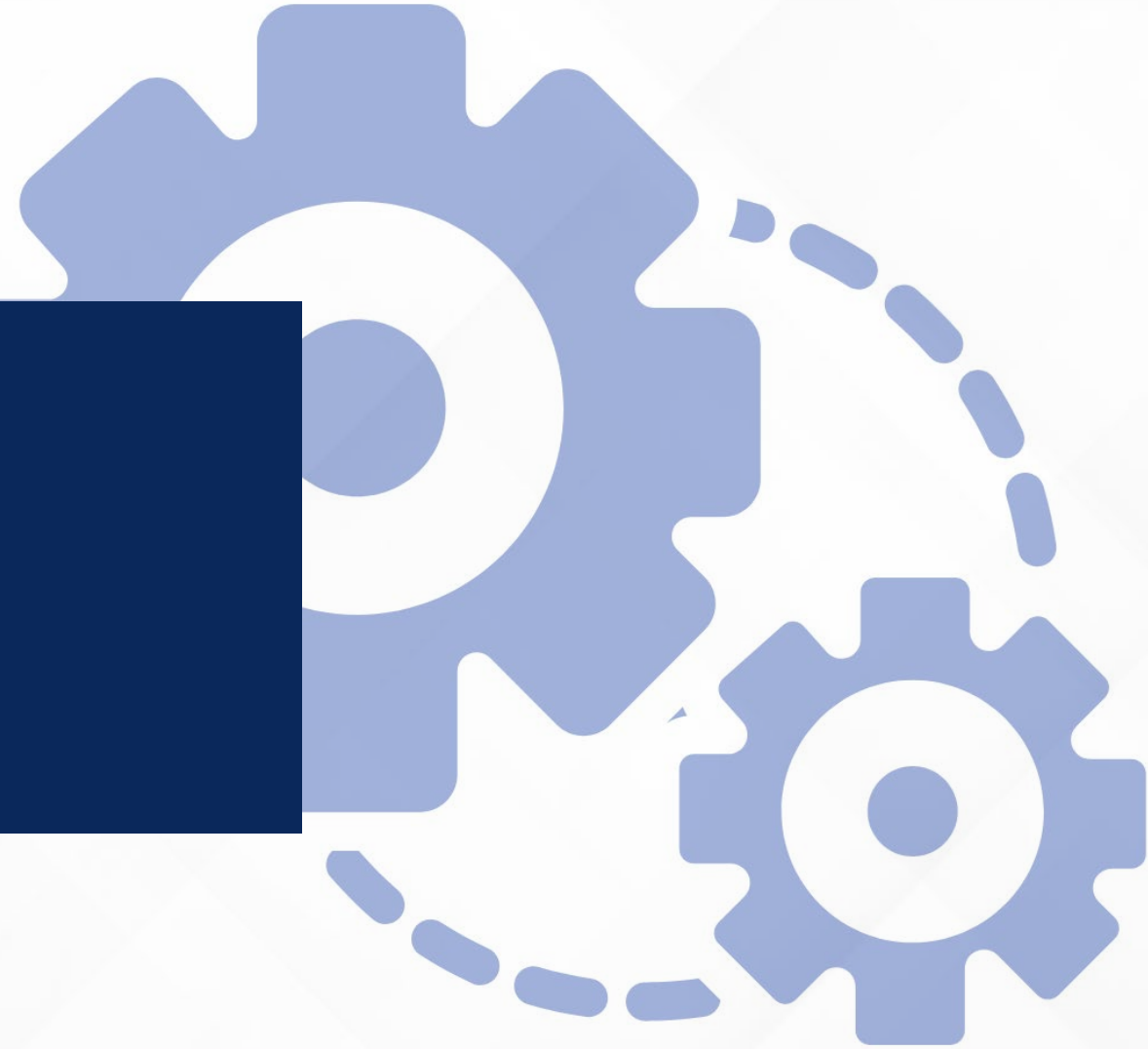
For additional resources, please refer to [FEMA Technical Review Job Aid](#) for Generator projects.

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# Engineering: *Benefit Cost Analysis*





# ENG Team – Benefit Cost Analysis (BCA)

$$\frac{\text{Benefits}}{\text{Project Cost}} = 1.0 \text{ or greater (ratio)}$$

## Benefits

- Avoided Physical Damages
- Avoided Emergency Response
- Avoided Loss of Function
- Avoided Injuries and Casualties
- Non-Traditional Benefits

ENG Team is heavily trained on using the tool and collecting benefits for typical and untypical projects.



**-Completed by TechUnit under all scenarios -**

1/14/23, 12:55 PM Version 6.0.0. Build 20230103.1822

FEMA Benefit-Cost Calculator V6.0 (Build 20230103.1822 | Release Notes)

Benefit-Cost Analysis

Project Name: 4466-(015) City of Panama City, North Panama City City Operations Facility, Code Plus

Item Number	Mitigation Title	Property Type	Hazard	Benefit (B)	Cost (C)	BCR (B/C)	Benefit (B)	Cost (C)	BCR (B/C)
1	Code Plus @ 4371 Star Ave, Panama City, Florida, 32404		Hurricane Wind	\$ 17,683	\$ 659,265	0.03	\$ 27,854	\$ 677,263	0.04
2	Community @ 4371 Star Ave, Panama City, Florida, 32404		Hurricane Safe Room	\$ 2,055,373	\$ 659,265	4.34	\$ 4,514,883	\$ 677,263	6.67
3	Generator @ 4371 Star Ave, Panama City, Florida, 32404		GIS - Infrastructure Failure	\$ 112,214	\$ 85,158	1.31	\$ 155,514	\$ 85,153	1.76
<b>TOTAL (SELECTED)</b>				<b>\$ 2,185,270</b>	<b>\$ 1,404,688</b>	<b>2.03</b>	<b>\$ 4,686,331</b>	<b>\$ 1,442,679</b>	<b>3.26</b>
<b>TOTAL</b>				<b>\$ 2,185,270</b>	<b>\$ 1,404,688</b>	<b>2.03</b>	<b>\$ 4,686,331</b>	<b>\$ 1,442,679</b>	<b>3.26</b>

M1 FEMA Benefit-Cost Calculator v6.0.0

Welcome

Benefit-Cost Analysis (BCA) is the method by which the future benefits of a hazard mitigation project are determined and compared to its costs.

The end result is a Benefit-Cost Ratio (BCR), which is calculated by a project's total benefits divided by its total costs.

FEMA requires a BCA to validate cost effectiveness of proposed hazard mitigation projects prior to funding.

For a community and/or property, this tool will assist with:

- Estimating Annual Hazard Risks
- Evaluating Mitigation Cost Effectiveness
- Developing Aggregate Benefit-Cost Models

FEMA Benefit-Cost Analysis...  
Benefit-Cost Calculator v6.0.0  
Conduct benefit cost analysis of hazard mitigation projects in 3 simple steps.  
[OPEN CALCULATOR](#)

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# Benefit Cost Analysis - Options

1

## Modeled Damages

Uses available technical data to enter info into the tool and allowing it to calculate damages and benefits.

- Flood Insurance Study
- Elevation Certificate
- Property Appraiser
- ASCE 7-16
- FDOT Traffic counts
- Other

2

## Historical Damages

Uses available historical records

- Flooding pictures
- Insurance claims
- Homeowner affidavits
- Historical road closures
- 911 records
- Utility outages
- Other

3

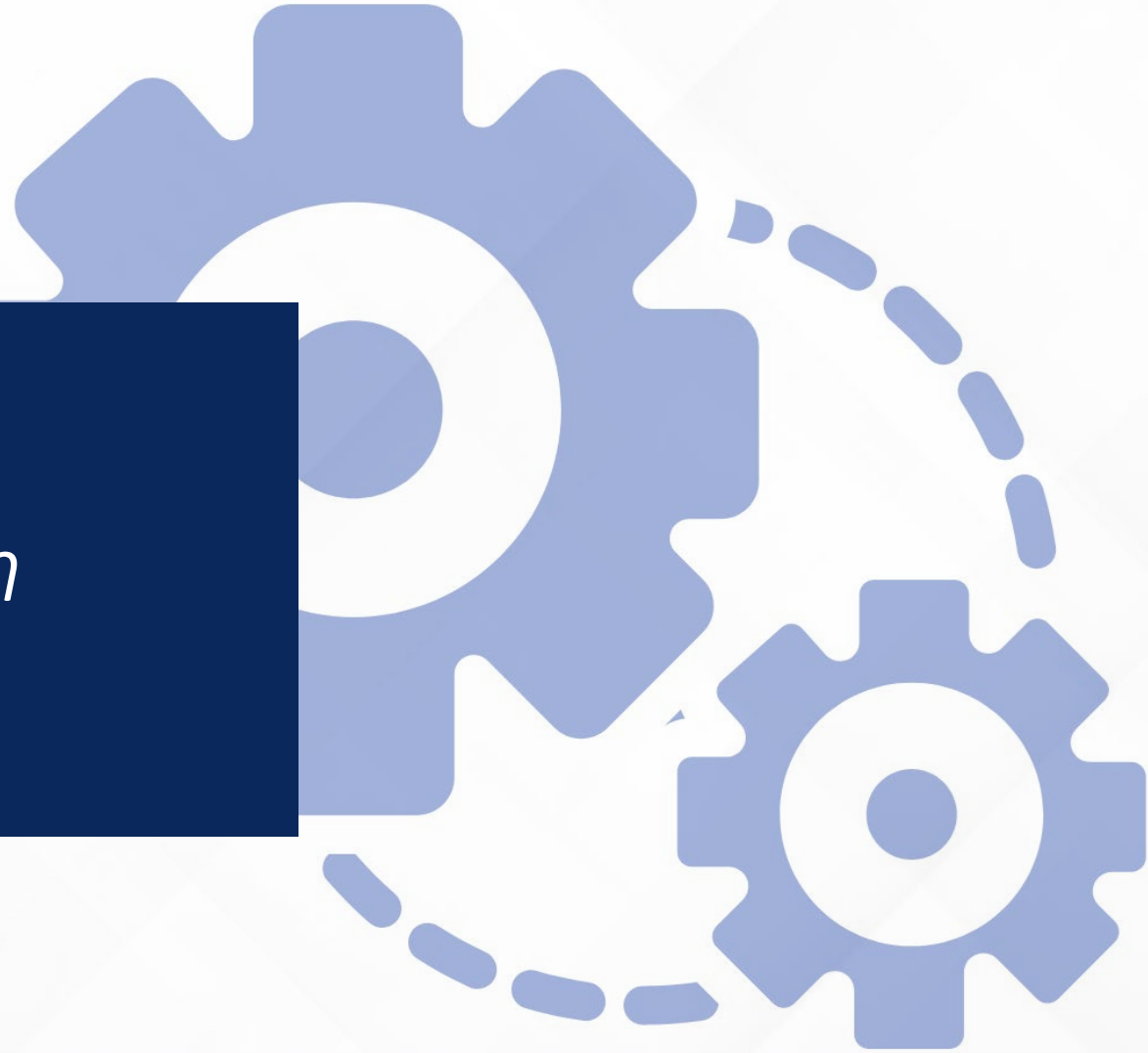
## Professional Expected Damages

Using expected damages calculated and certified by the correct professional

- Signed and Sealed information from the Engineer of Record
- Damages using Depth Damaged Function tables
- H&H Studies
- Other certified information



Engineering:  
*Best Practices for Common  
Project Types*





# Eligible Projects Under HMGP

- Acquisition
- Elevation
  - Mitigation Reconstruction *[only if regular elevation is NOT an option]*
- Aquifer *[Recharge, Storage, and Recovery]*
- Wind Retrofit *[protects structure and content]*
  - Code Plus *[higher standards]*
  - Structural Retrofit
- Dry Floodproofing
- Generator / Bypass Pumps *[only for critical facilities]*
- Infrastructure Retrofit
  - Utilities
  - Mast Arm Conversion
- Safe Room *[provides life protection]*
- Secondary Power Source
- Stabilization
- Warning System
- Wildfire Mitigation
- Secondary Power Source
- Stabilization
- Extreme Heat
- Dry Flood Proofing
- Other *[uncommon mitigation projects providing protection and increasing resilience]*





# Acquisitions and Elevations

- Consider pre-calculated benefits .
  - \$360k for acquisitions
  - \$228k for elevations
- Identify source of flooding and risk.
- Provide history of losses.
- Provide building replacement value.
- Evaluate feasibility (can it be elevated?).
- Consider multi-hazard actions (flood and wind protection).
- Indicate how the project follows ASCE 24.
- Read the guidance and understand the eligible activities under each project type and their limitations on construction cost and total building size.





# Flood Risk Reduction



- Stormwater Systems / Seawalls / Other.
- Identify flood source.
- Provide history of flooding.
- Provide history of losses.
- Provide history of road closures.
- Provide number of road trips.
- Population affected.
- Properties directly affected.
- Identify system components.
- **Indicate level of protection**





# Generators

- Identify loss of service.
- Provide loss of service history.
- Provide documentation for loss of function:
  - Historical outages
  - Expected outages
- Clearly state if permanent and/or portable.
- Describe the use of the critical facility.
- Provide operational budget.
- Consider diesel bypass pumps, if it is a better alternative.
- Indicate the number of customers served by the critical facility.





# Infrastructure Retrofit



- Explain the type of infrastructure you are mitigating.
- Indicate the number of customers served by the critical facility.
- Provide documentation for loss of function.
  - Historical outages
  - Expected outages
- Identify the risk (wind, flood, surge, etc).
- Complete a multi-hazard solution.
- Describe the existing conditions of the infrastructure and equipment.
- Level of protection must provide protection to the 500-year event.





# Wind Retrofits

- Confirm if the building envelope and the structural system can resist current code-level wind speeds
- Conduct a feasibility wind study; all building findings must be addressed
- Provide systemic protection to the building
- Clearly indicate the type of protection proposed (shutters, impact resistant glass, etc).
- Verify you are proposing impact resistant products to large missiles.
- Provide operational budget.
- Consider pre-calculated benefits.





# Safe Room



- Must comply FEMA P-361/FEMA P-320.
- Hurricane safe rooms are mainly intended for first responders.
- Safe rooms are not long-stay shelters.
- Include conceptual floor plans showing all areas.
- Size of building is limited to number of people.
- Provide total usable area, design wind speed, safe room type, protected population.
- Review requirements and avoid overestimating the number of occupants
- An Operations and Maintenance (O&M) plan must be provided at project closeout
- Be aware a peer review is required as part of Phase I deliverables

*Please see FEMA's guidance and understand limitations and requirements*



# Environmental and Historic Preservation



# Environmental and Historic Preservation Review

HMGP Applicant Briefing – Hurricane Idalia (DR-4734)

Mitigation Bureau  
Florida Division of Emergency Management  
03/18/2024





# EHP Review

- National Environmental Policy Act (NEPA)
  - Requires Environmental and Historic Preservation (EHP) reviews for all projects with federal agency involvement, such as funding.
- FDEM staff will conduct the EHP review on behalf of FEMA.
  - Review areas: physical, biological, social, and cultural





# EHP Goals

To document that your project meets the required federal environmental laws and regulations.





# What Do We Need From You?

Provide complete and detailed applications with attachments.

Respond to all parts of RFIs in a timely manner.





# Complete and Detailed Applications

At minimum, all projects require these documents in the application for EHP:

- Coordinates for the activity (decimal degree format).
- Aerial map outlining all activities.
- Photos: at least 4 with labels explaining content. Should be of the area where the project activities are occurring.
- FIRM/FIRMMette with project location indicated.
- Indication of if ground disturbance is occurring or not.
- Documentation showing year built (Property Appraiser)



# Examples of Good Information - Coordinates

- Coordinates should always be in decimal degree format as shown below.
- If a project contains more than one location or is a larger scale project, all locations and coordinates should be provided.

## Multiple Locations:

Fire Station	Address	Coordinates
1	000 Hawk Ridge, Sunny, Florida 32000	(28.345678, -82,234567)
2	000 Hawk Ridge, Sunny, Florida 32000	(28.345678, -82,234567)
3	0th Street NE, Sunny, Florida 32000	(28.345678, -82,234567)
4	000 Heron Road, Sunny, Florida 32000	(28.345678, -82,234567)
5	000 Sandpiper Road, Sunny, Florida 32000	(28.345678, -82,234567)

## Linear Projects:

Location	Coordinates	
State Road 30-E Somewhere in Florida, 32800	Begin	(28.345678, -82,234567)
	End	(28.345678, -82,234567)

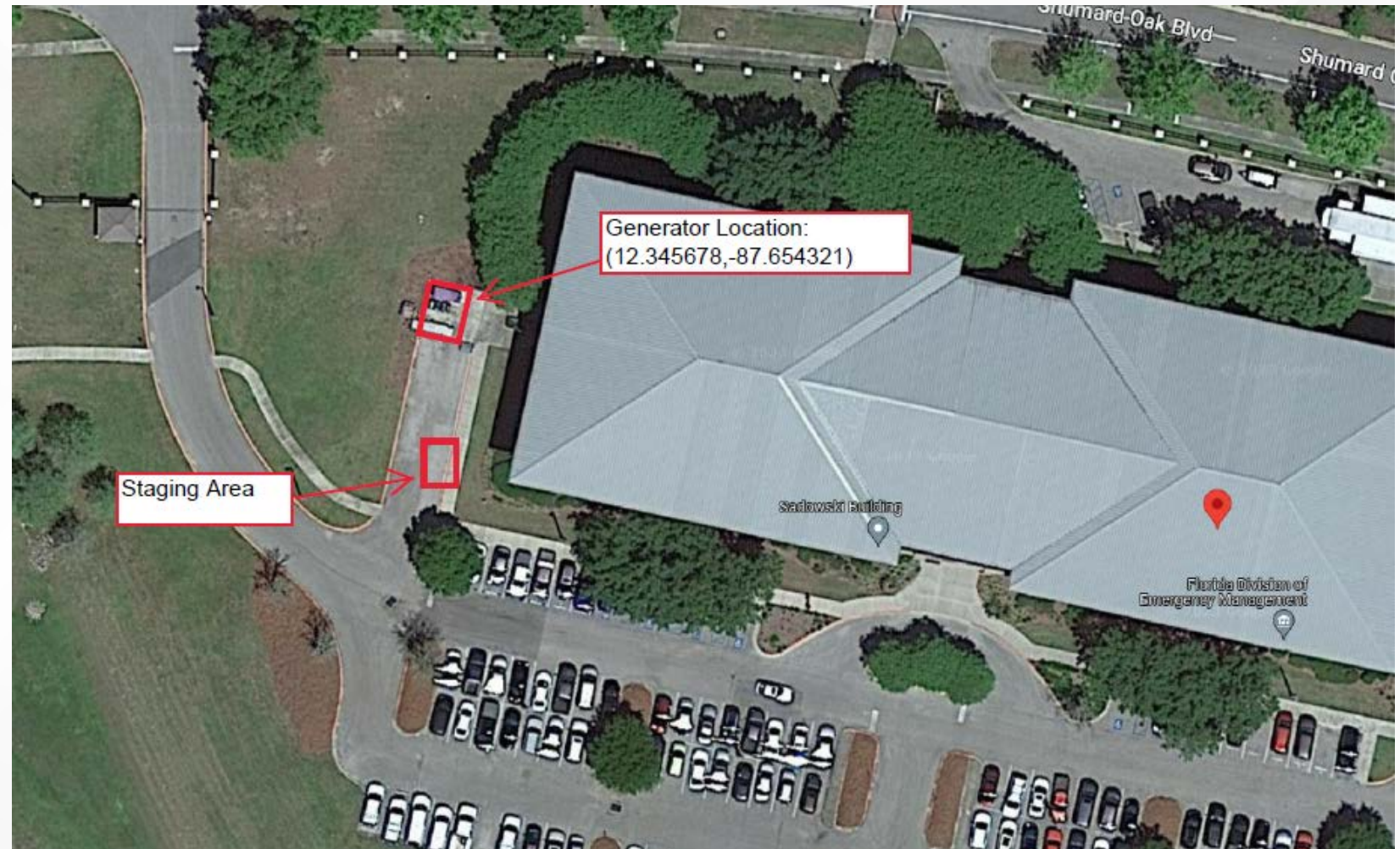
## Large Area Projects:

Location	Coordinates	
Sunny, Florida 32000	NE	(28.345678, -82,234567)
	NW	(28.345678, -82,234567)
	SE	(28.345678, -82,234567)
	SW	(28.345678, -82,234567)



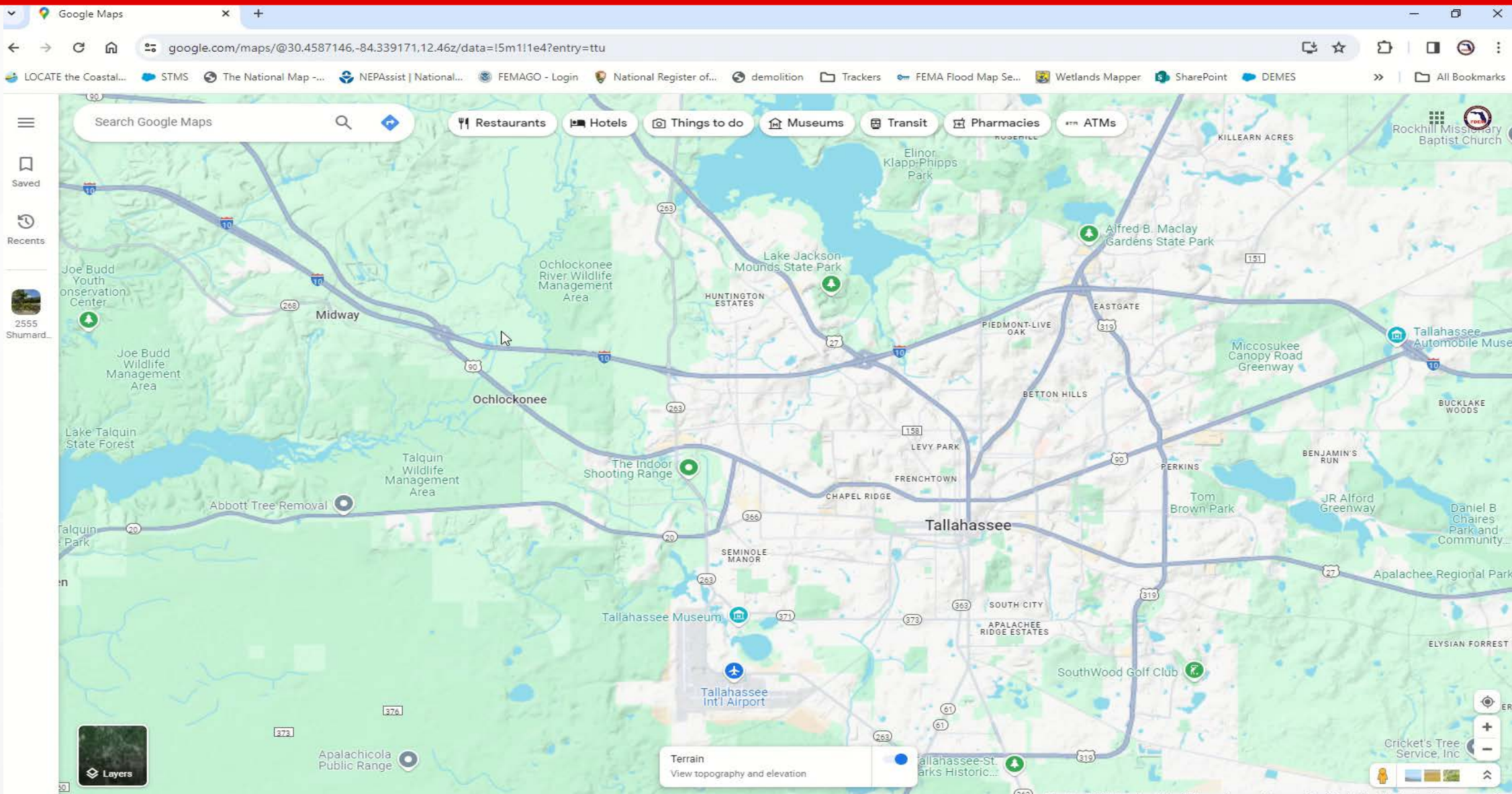
# Examples of Good Information – Aerial Map

A good aerial map will contain a clear indication of where the project will be occurring and will include coordinates to the project area.





# Finding Coordinates and Creating a Map





# Examples of Good Information – Photos

Photos should be clear and represent the project area.

Labels should indicate what the photos contain.

There should be photos for all sides of a structure.



Photograph #1 – Existing [redacted] Subdivision control structure (upstream view).



Photograph #2 – Existing [redacted] Subdivision control structure (downstream view).





# Examples of Good Information – FIRMette

Project location should be clearly indicated on the map.

<https://msc.fema.gov/portal/home>

## National Flood Hazard Layer FIRMette



### Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

<b>SPECIAL FLOOD HAZARD AREAS</b>	Without Base Flood Elevation (BFE) Zone A, V, A99
	With BFE or Depth Zone AE, AO, AH, VE, AR
	Regulatory Floodway
<b>OTHER AREAS OF FLOOD HAZARD</b>	0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
	Future Conditions 1% Annual Chance Flood Hazard Zone X
	Area with Reduced Flood Risk due to Levee. See Notes. Zone X
	Area with Flood Risk due to Levee Zone D
<b>OTHER AREAS</b>	NO SCREEN Area of Minimal Flood Hazard Zone X
	Effective LOMRs
<b>GENERAL STRUCTURES</b>	Area of Undetermined Flood Hazard Zone D
	Channel, Culvert, or Storm Sewer
	Levee, Dike, or Floodwall
<b>OTHER FEATURES</b>	Cross Sections with 1% Annual Chance Water Surface Elevation
	Coastal Transect
	Base Flood Elevation Line (BFE)
	Limit of Study
	Jurisdiction Boundary
	Coastal Transect Baseline
	Profile Baseline
	Hydrographic Feature
<b>MAP PANELS</b>	Digital Data Available
	No Digital Data Available
	Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards.

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 3/24/2023 at 3:11 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



# Additional Required Information

Each project is different and some require additional supporting documentation and information in order to be approved. These questions can help guide you through the application development process.



# Does Your Project Require Ground Disturbance?

This could include, but is not limited to, leveling an area, running underground electrical connections, directional boring, or excavation.

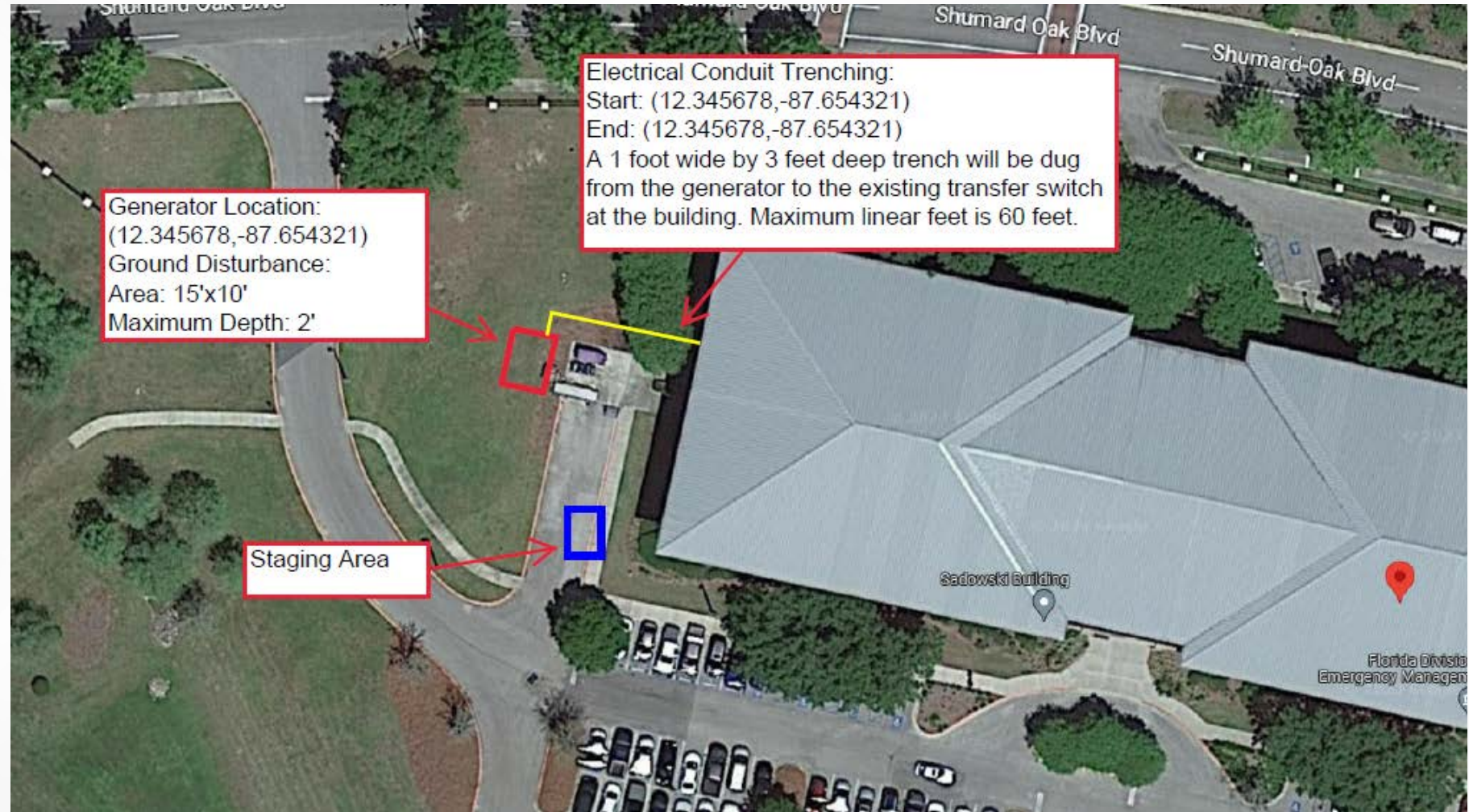
If yes, a ground disturbance map will need to be provided with your application.





# Ground Disturbance Maps

Maps need to include activities clearly outlined, coordinates for ground disturbance, area dimensions, and depth.





# Ground Disturbance Maps

Maps need to include activities clearly outlined, coordinates for ground disturbance, area dimensions, and depth.





# Creating a Ground Disturbance Map

Generator Map.pdf - Adobe Acrobat Pro (32-bit)

File Edit View E-Sign Window Help

Home Tools Test Map.pdf Generator Map.pdf x

Comment

3/17/24, 6:19 PM 30°23'10.7"N 84°13'52.9"W - Google Maps

Google Maps 30°23'10.7"N 84°13'52.9"W  
Generator Map

Map data ©2024, Map data ©2024 20 ft

https://www.google.com/maps/place/30°23'10.7"N+84°13'52.9"W/@30.3862161,-84.2317555,114m/data=!3m1!1e3!4m4!3m3!8m2!3d30.3863111!4d-84.2313569?entry=ttu

1/2

comments 2

Add a comment...

PAGE 1 2

- KaylaB 6:27 PM  
Generator Location
- KaylaB 6:20 PM  
Connected Lines



Is your  
project  
located in a  
floodplain or  
proposing to  
reduce flood  
risk?

Flood risk reduction projects could include elevations, acquisition/demolitions, mitigation reconstructions, or drainage projects.

Critical actions such as generator projects or projects involving critical facilities such as EOCs, fire stations, or hospitals are considered in the floodplain if they are located in X (Shaded) zones.

If yes, a public notice will be required. A template can be provided and a draft can be attached to the application. Please do not post the notice until requested to do so.





# Public Notice

JOINT FEDERAL, STATE, LOCAL  
PUBLIC NOTICE  
3/28/2023

The Federal Emergency Management Agency and Florida Division of Emergency Management have received the following application for Federal grant funding. Final notice is hereby given of the Federal Emergency Management Agency's (FEMA) consideration to provide funding in the form of Hazard Mitigation Grant Program. Funds will be provided in accordance with Section 404 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, Public Law 93-288, as amended.

Under the National Environmental Policy Act (NEPA), federal actions must be reviewed and evaluated for feasible alternatives and for social, economic, historic, environmental, legal, and safety considerations. Under Executive Order (EO) 11988 and EO 11990 FEMA is required to consider alternatives to and to provide public notice of any proposed actions in or affecting floodplains or wetlands. EO 12898 also requires FEMA to provide the opportunity for public participation in the planning process and to consider potential impacts to minority or low-income populations.

Funding for the proposed project will be conditional upon compliance with all applicable federal, tribal, state and local laws, regulations, floodplain standards, permit requirements and conditions.

**Applicant:**

Florida Division of Emergency Management

**Project Title:**

HMGP-4673-(123) Florida Division of Emergency Management, Example Project, Generator

**Location of Proposed Work:**

The area affected by this project consists of homes in the following locations:

123 Florida Street, Sunny, Florida 32000

**Proposed Work and Purpose:**

The Florida Division of Emergency Management proposes to install a generator for the State Example Building located at 123 Florida Street, Sunny, Florida 32000. The proposed project will provide power to this critical facility to allow it to remain operational without interruptions.

**Project Alternatives:**

The alternatives to the project that have been and will be considered are 1) the no action alternative and 2) Purchase of a portable generator for the State Example Building. These alternatives to the proposed project are not viable because under Alternative 1) The No Action Alternative would leave the State Example Building without power in the event of a power outage, causing an interruption in operations; and Alternative 2) The purchase of a portable generator is not the most practical option because it requires staff to deploy and install the generator during a time where staffing may be limited.

**Comment Period:**

Comments are solicited from the public; local, state or federal agencies; and other interested parties in order to consider and evaluate the impacts of the proposed project. The comments should be made in writing and addressed to the Florida Division of Emergency Management, Bureau of Mitigation, 2555 Shumard Oak Blvd., Tallahassee, FL 32399-2100. These are due within 30 days of this notice or by 04/27/2023. The State will forward comments to applicable regulatory agencies as needed. Interested persons may submit comments, obtain more detailed information about the proposed action, or request a copy of the findings by contacting:

John Stevens, Head of State Example  
Florida Division of Emergency Management

(850) 123-4567  
[John.Stevens@example.com](mailto:John.Stevens@example.com)

Kayla Born, State Lead Environmental Specialist  
Florida Division of Emergency Management

(850) 273-9289  
[Kayla.Born@em.mvflorida.com](mailto:Kayla.Born@em.mvflorida.com)





Is your project in or does it affect wetlands or bodies of water?

If yes, the project will require consultation with FDEP or USACE for Section 404 determination/permitting. The project may also require an Environmental Resource Permit (ERP).

If your project is near water, please indicate if work in water will be required.





Does your project involve changes to a structure over 45 years old?

We will require additional information on the existing structure and how the proposed changes may impact the structure.

This could include a description of existing windows and a description of new windows that would be installed. Spec sheets or photo examples of new products may be required.





That was a lot of information and I don't know where to start!



# EHP Worksheet

## MITIGATION

### Environmental & Historic Preservation Worksheet

For preliminary Environmental and Historic Preservation review conducted by the State Mitigation Technical Team.

**Important:** The State of Florida Mitigation Technical Unit will conduct the Environmental and Historic Preservation (EHP) Review for your project and the following information is needed. Once a preliminary review of the application and worksheet is conducted, the assigned Environmental Specialist will reach out with any questions or needs for clarification.

**Note:** A completed EHP Worksheet will expedite the Technical Review. Completion of this worksheet does not guarantee additional information will not be required. If additional information or clarification is needed during application review, the reviewer will contact you.

#### Requirements

The following information is the minimum amount of technical information required to complete the EHP review. Data collected in this document will provide reviewers with preliminary information necessary to evaluate potential environmental impacts.

All projects require an EHP review conducted by the technical team in order to achieve funding.

#### Section I – Project General Information

Project Name:	Worksheet completed by:
	Name:
	Title:
Sub-Applicant:	Phone:
	Email:

For additional information and resources, please refer to FEMA's [Environmental Planning and Historic Preservation checklist for Hazard Mitigation Assistance Application Reviews](#).



## MITIGATION

### Section II – Project Location

The table below allows data for up to 8 locations. If your project has more than 8 locations, you can either submit a second EHP Worksheet or attach a separate list providing the information requested below and in Section III.

ID	Project Location	Coordinates	*Age of Structure	Ground Disturbance?	Critical Action
1.				-Select-	-Select-
2.				-Select-	-Select-
3.				-Select-	-Select-
4.				-Select-	-Select-
5.				-Select-	-Select-
6.				-Select-	-Select-
7.				-Select-	-Select-
8.				-Select-	-Select-

\*Applicable only if the proposed project involves a structure.

### Section III – Environmental Details

ID	Flood Zone	FIRM Panel #	Panel Date	Preliminary Panel Available?	Preliminary Flood Zone	Preliminary Panel #	In a Wetland or Waterbody?	Seaward of CCCL?
1.				-Select-			-Select-	-Select-
2.				-Select-			-Select-	-Select-
3.				-Select-			-Select-	-Select-
4.				-Select-			-Select-	-Select-
5.				-Select-			-Select-	-Select-
6.				-Select-			-Select-	-Select-
7.				-Select-			-Select-	-Select-
8.				-Select-			-Select-	-Select-



Ground Disturbance?	Critical Action
<p>Will any groundwork occur to implement the project? Common ground disturbing activities include installation of concrete pads, site preparations, running electrical conduits, trenching, directional boring, and excavation. If ground disturbing activities are occurring, a Ground Disturbance Map is required to be attached to the application. See Section IV instructions for more details.</p>	
-Select-	-Select-





# Why should you fill out the EHP worksheet?

---

The worksheet addresses some of the most common RFIs that go out for projects.

Having these answers let the team get a jump start on the EHP review and reduces the number of RFIs you'll need to respond to.



# Helpful Resources

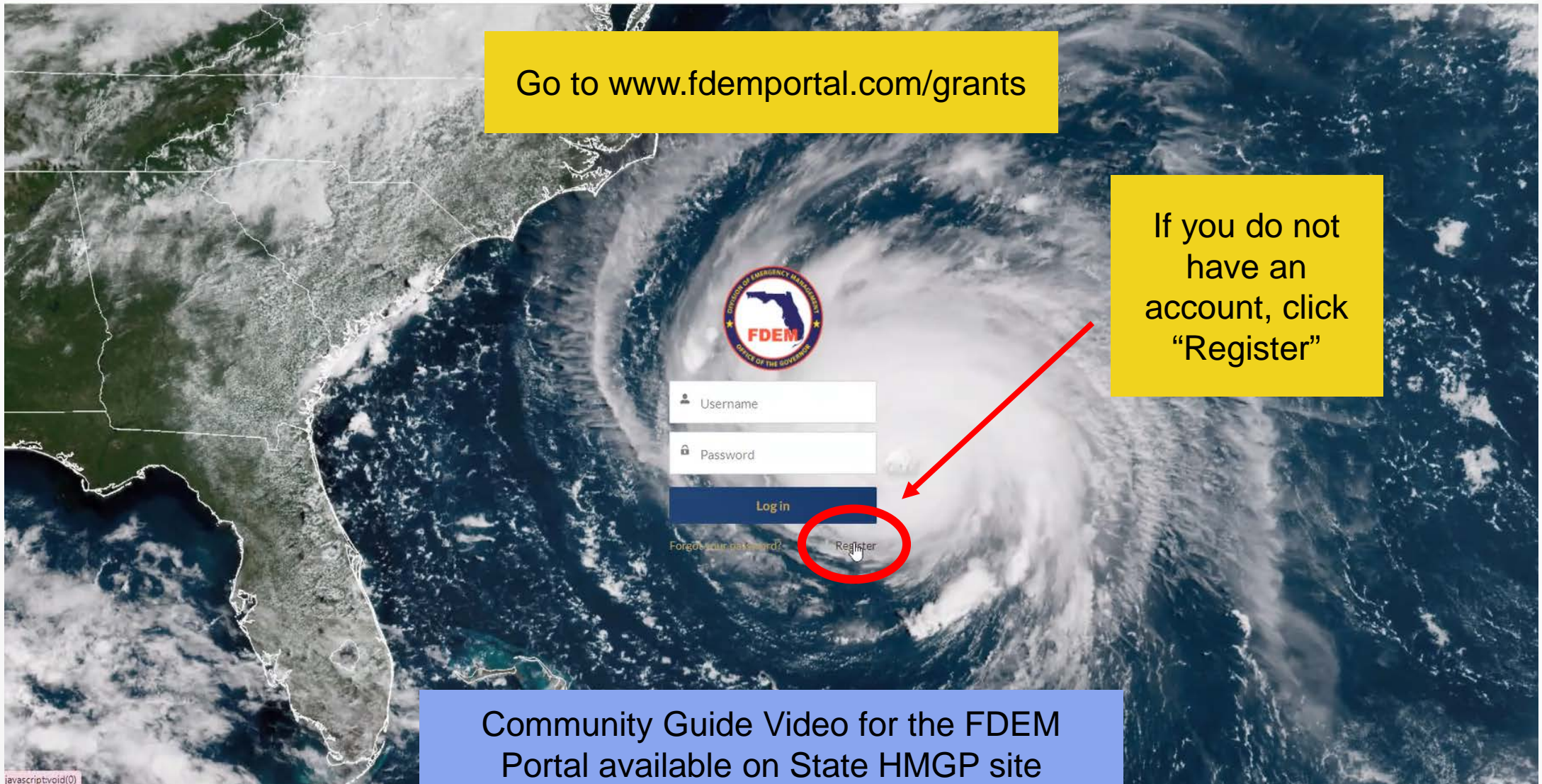
- EHP Guidance by Project Type:
  - [https://portal.floridadisaster.org/mitigation/HMGP Project Tracker/ layouts/15/WopiFrame.aspx?sourcedoc={F89F752E-7F1C-4F29-B7CA-FA4527F364DD}&file=FEMA%20-%20EHP%20Guidance%20by%20Project%20Type.pdf&action=default](https://portal.floridadisaster.org/mitigation/HMGP%20Project%20Tracker/layouts/15/WopiFrame.aspx?sourcedoc={F89F752E-7F1C-4F29-B7CA-FA4527F364DD}&file=FEMA%20-%20EHP%20Guidance%20by%20Project%20Type.pdf&action=default)
- FEMA Region 3 Photo Guide:
  - [https://www.fema.gov/sites/default/files/documents/fema\\_region-3\\_ehp\\_photo-guide-2020.pdf](https://www.fema.gov/sites/default/files/documents/fema_region-3_ehp_photo-guide-2020.pdf)
- National Wetland Inventory Mapper:
  - <https://fwsprimary.wim.usgs.gov/wetlands/apps/wetlands-mapper/>
- Flood Maps:
  - <https://msc.fema.gov/portal/home>



# FDEM Portal

Go to [www.fdempportal.com/grants](http://www.fdempportal.com/grants)

If you do not have an account, click "Register"



Community Guide Video for the FDEM Portal available on State HMGP site



# FDEM Portal



Community Guide Video for the FDEM Portal available on State HMGP site





# FDEM Portal

Home

### Account Access Search

Enter Account Name  
Bay County

[Request Access](#) [Can't find your account?](#)

Name	Billing Address	Phone
<input type="radio"/> Anchorage Children's Home of Bay County, Inc.	2121 Lisenby Avenue, Panama City, Florida	
<input checked="" type="radio"/> Bay County	840 W. 11th St., Panama City, Florida	850-784-6167
<input type="radio"/> Bay County Chamber of Commerce	PO Box 1850, Panama City, Florida	
<input type="radio"/> Bay County Conservancy, Inc	po box 1182, panama city, Florida	
<input type="radio"/> Bay County Department of Health	597 W 11th Street, Panama City, FL	850-872-4455
<input type="radio"/> Bay County Emergency Management	700 Highway 2300, Panama City, FL	
<input type="radio"/> Bay County Health System, LLC	615 North Bonita Avenue, Panama City, Florida	
<input type="radio"/> Bay County Sheriff's Office	3421 North Highway 77, Panama City, Florida	850-747-4700 ext. 2202
<input type="radio"/> Bay County Transportation Planning Organization	840 WEST 11TH STREET, PANAMA CITY, Florida	
<input type="radio"/> Boys & Girls Clubs of Bay County	PO BOX 914, PANAMA CITY, Florida	
<input type="radio"/> Callaway Community & Arts Center/Bay County Health Department	500 Callaway Pkwy, Callaway, FL	(850) 819-8678
<input type="radio"/> Central Panhandle Fair in Bay County, Inc	P.O. Box 35007, Panama City, FL	
<input type="radio"/> Girls Incorporated of Bay County		
<input type="radio"/> Panama City-Bay County Airport and Industrial Dis		
<input type="radio"/> School Board of Bay County Florida		
<input type="radio"/> Shelter In Place Bay County	Private Residence,	

Be sure you register for the correct account; If you're unsure, contact FDEM

Community Guide Video for the FDEM Portal available on State HMGP site



# FDEM Portal

Home

**Register for Access**

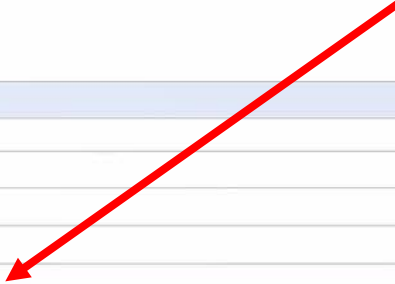
Name  
First Name  
Bob  
Last Name  
Test  
Test  
\* Email  
bobtest@invalid.com  
\* Business Phone  
9042009001  
Phone extension  
Mobile Phone

\* Please Select Your User Type:

- Representative for an Applicant Organization
- Representative for an Applicant Organization
- Sub-Applicant or Sub-Recipient
- Contractor for Sub-Applicant or Contractor for Sub-Recipient

Next

Select the correct User Type



Community Guide Video for the FDEM Portal available on State HMGP site



# FDEM Portal

The screenshot shows the 'Register for Access' form on the FDEM Portal. The form includes fields for Name (First Name: Bob, Last Name: Test), Email (bobtest@invalid.com), Business Phone (9042009001), and Phone extension. It also features two dropdown menus: 'Please Select Your User Type' (set to 'Representative for an Applicant Organization') and 'Please Select the Bureau You Intend to Work With' (with 'Recovery' selected and highlighted in blue). A yellow callout box points to the Bureau dropdown with the text 'Select the correct Bureau, as that is where the access request will go'. A red arrow points from this callout to the selected 'Recovery' option. A blue callout box at the bottom contains the text 'Community Guide Video for the FDEM Portal available on State HMGP site'.

Select the correct Bureau, as that is where the access request will go

Community Guide Video for the FDEM Portal available on State HMGP site



# FDEM Portal

Home

Grants

Mutual Aid

For current and new applications



Search...



Fire Management Assistance Gra...



Public Assistance Grant Program



Mutual Aid



Legislative Appropriation Program

## THE UPDATED STATEWIDE MUTUAL AID AGREEMENT IS NOW AVAILABLE

The Statewide Mutual Aid Agreement has been updated and is available for review. [Download Here](#)



[Preparedness Grants](#)

- Emergency Management Performance Grant (EMPG)
  - Volunteer Florida
- Emergency Management Preparedness and Assistance (EMPA) Grant
  - Volunteer Florida
  - Civil Air Patrol
- State Homeland Security Grant Program (HSGP)
  - Operation Stonegarden (OPSG)
  - Urban Area Security Initiative (UASI)
  - Nonprofit Security Grant Program (NSGP)



[Recovery Grants](#)

- [Public Assistance Grant Program](#)
- [Fire Management Assistance Grant Program](#)
- Hurricane Michael State Recovery Grant
- Florida Citrus Recovery Block Grant (CRBG)
- Timber
- [CARES Act](#)



[Response Grants](#)

- Local Emergency Planning Committee (LEPC) Grant
- Hazard Analysis Contract
- Technological Hazards Federal HMEP (Hazardous Materials Emergency Preparedness)



[Mitigation Grants](#)

- [Hazard Mitigation Grant Program](#)
- Hurricane Loss Mitigation Program
- Building Resilient Infrastructure and Communities
- Pre-Disaster Mitigation
- Flood Mitigation Assistance

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# FDEM Portal

Home

Subrecipient Agreements

Projects

Search...



### IMPORTANT NOTE:

The List Below Displays your Mitigation Applications  
If you know your PID #, you can use the Search box on the Top Right Corner to Search for your Application

Use the "Create New Mitigation Application" to start a New Application

My HMGP Mitigation Applications

Updated a few seconds ago

Search this list...



Create New Mitigation Application

	Projec...	Pr...	Subrecipient	Project Title	Grant	St...	P. ↓	E...	O...	
1	PID-██████		████████████████████	████████████████████	4673 lan - Mitigation	New				
2	PID-██████		████████████████████	████████████████████	4673 lan - Mitigation	New				
3	PID-██████		North Broward Hospital Dr...	████████████████████	4673 lan - Mitigation	New				
4	PID-██████		████████████████████	████████████████████	4673 lan - Mitigation	New				
5	PID-██████		████████████████████	████████████████████	4673 lan - Mitigation	New				
6	PID-██████		████████████████████	Browards Health ██████████	4673 lan - Mitigation	New				
7	PID-██████		North Broward Hospital Dr...	████████████████████	4673 lan - Mitigation	New				
8	PID-██████		████████████████████	████████████████████	4673 lan - Mitigation	New				

For New Applications

Current list of created applications

Community Guide Video for the FDEM Portal available on State HMGP site



# FDEM Portal

Home   Subrecipient Agreements   Projects   Search...

Select which disaster to apply for

My HMGP Mitigation Applications   Create New Mitigation Application

Updated a few seconds ago   Search this list...

**Flow**

Hazard Mitigation Grant Program

\* Which grant will [redacted] Response be applying for?

- 4680 Nicole - Mitigation
- 4680 Nicole - Mitigation**

Next

1	PID-[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
2	PID-[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
3	PID-[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
4	PID-[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
5	PID-[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
6	PID-[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
7	PID-[redacted]	[redacted]	[redacted]	4673 Ian - Mitigation	New	[redacted]	[redacted]
8	PID-[redacted]	[redacted]	[redacted]	4673 Ian - Mitigation	New	[redacted]	[redacted]

Community Guide Video for the FDEM Portal available on State HMGP site



# FDEM Portal



Alternate way to find projects via SA#/PID#

## THE UPDATED STATEWIDE MUTUAL AID AGREEMENT IS NOW AVAILABLE

The Statewide Mutual Aid Agreement has been updated and is available for review. [Download Here](#)



**Preparedness Grants**

- Emergency Management Performance Grant (EMPG)
  - Volunteer Florida
- Emergency Management Preparedness and Assistance (EMPA) Grant
  - Volunteer Florida
  - Civil Air Patrol
- State Homeland Security Grant Program (HSGP)
  - Operation Stonegarden (OPSG)
  - Urban Area Security Initiative (UASI)
  - Nonprofit Security Grant Program (NSGP)



**Recovery Grants**

- [Public Assistance Grant Program](#)
- [Fire Management Assistance Grant Program](#)
- Hurricane Michael State Recovery Grant
- Florida Citrus Recovery Block Grant (CRBG)
- Timber
- CARES Act



**Response Grants**

- Local Emergency Planning Committee (LEPC) Grant
- Hazard Analysis Contract
- Technological Hazards Federal HMEP (Hazardous Materials Emergency Preparedness)



**Mitigation Grants**

- [Hazard Mitigation Grant Program](#)
- Hurricane Loss Mitigation Program
- Building Resilient Infrastructure and Communities
- Pre-Disaster Mitigation
- Flood Mitigation Assistance

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# FDEM Portal

Subrecipient Agreements  
My Subrecipient Agreements

Updated a few seconds ago

	Subrecip... ↑	Subrecipient Account	Agreemen...	Grant	Start Date	End Date	Total Award/Co...	
1	SA-40700	North Broward Hospital District - Response	Executed	2022-23 Broward Medical Alert Team Grant	7/1/2022	6/30/2023	\$1,000,000.00	
2	SA-50053	North Broward Hospital District - Response	New	4673 Ian - Mitigation			\$0.00	
3	SA-50075	North Broward Hospital District - Response	New	4673 Ian - Mitigation			\$0.00	
4	SA-50080	North Broward Hospital District - Response	New	4673 Ian - Mitigation			\$0.00	
5	SA-50082	North Broward Hospital District - Response	New	4673 Ian - Mitigation			\$0.00	
6	SA-50084	North Broward Hospital District - Response	New	4673 Ian - Mitigation			\$0.00	
7	SA-50085	North Broward Hospital District - Response	New	4673 Ian - Mitigation			\$0.00	
8	SA-50087	North Broward Hospital District - Response	New	4673 Ian - Mitigation			\$0.00	
9	SA-50091	North Broward Hospital District - Response	New	4673 Ian - Mitigation			\$0.00	

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# FDEM Portal

Home   Subrecipient Agreements   **Projects**   Search...

Projects  
My Projects ▾   Search this list...   ⚙️   📄

New (8)   Active (0)   Closed (0)   Archived (0)

**\$97,901,101**

- PID-**[REDACTED]** - Wind Re...  
New
- PID-**[REDACTED]** - Wind Re...  
New
- PID-**[REDACTED]** - Wind Re...  
New
- PID-**[REDACTED]** - Wind Re...  
New
- PID-**[REDACTED]** - Wind Re...  
New

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# FDEM Portal



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IMPORTANT NOTE: Documents attached within the application will not be visible within the application document for signature. Please be sure prior to uploading the required documents into the application that they are valid and approved.

For questions or assistance concerning the HMGP application, state HMGP staff can be reached through the following methods.

Phone: (850) 815-4524  
Email: [DEM Hazard Mitigation](mailto:DEM.Hazard.Mitigation)

Contact information for assistance

You may also refer to the [HMGP Application Checklist](#) for additional guidance.

## HMGP APPLICATION

Application Number	Application Status	Application Created Date	Application Due Date
PID-164571	Submitted	10/29/2021, 11:11 AM	12/31/2021

- I. Application Information
- II. Project Description
- III. Project Location
- IV. Budget/Costs
- V. Environmental Review and Historic

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# FDEM Portal

I. Application Information

Delete Jurisdiction

Point of Contact:

\*First Name:  \*Last Name:

\*Title:

\*Street Address:

\*City:  \*State:

\*Zip Code:

\*Telephone:  \*Email:

Cancel

All communication will primarily be with this contact

Double-check everything

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# FDEM Portal

### I. Application Information

Authorized Applicant Agent (proof of authorization authority required):  
*An authorized agent is the chief elected official of a local government who has signature authority*

I am the Authorized Agent:

\*First Name:  \*Last Name:

\*Title:

\*Street Address:

\*City:  \*State:

\*Zip Code:

\*Telephone:  \*Email:

Local Mitigation Strategy (LMS) Compliance

\*All proposed projects must be included in the current FEMA Approved Mitigation Plan and this project is listed:

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Cancel

**This person will receive the application to sign**

**Double-check everything**



# FDEM Portal

### III. Project Location

\*Describe the physical location of this project, including street numbers (or neighborhoods) and project site zip code(s).

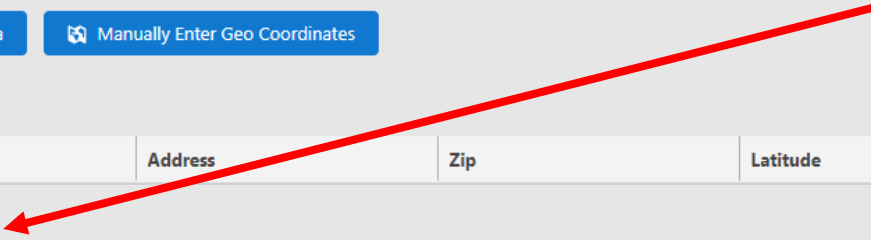
Use the "Search for Address" window to search for a location. In order to add the Location to the Project, make sure you click "Add Location Data"

\* Title Holder

<input type="checkbox"/> Title Holder	Address	Zip	Latitude	Longitude
<input type="button" value="Delete Location"/>				

\*Is the project site seaward of the Coastal Construction Control Line (CCCL)?

Location section has been updated to allow for locations to be deleted, if needed



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# FDEM Portal

### VI. Attachments

Original Application: [FDEM Form No. FIRM Application \(01-2020\) \(01-01-2020\)](#)

- \*Letter of endorsement for this project from the county's LMS Coordinator Ensure the LMS endorsement letter contains both the Total Estimated Projects Cost (Section IV. D.), along with the Estimated Federal Share (Section IV. I.1.) allocated to this project.
- \*FIRM Map
- \*City or County Scale Map (large enough to show the entire project area with the project site and structures marked on the map).
- \*Attach a USGS 1:24,000 TOPO map with project site clearly marked on the map.
- \*Attach photographs (at a minimum 4 photographs) for each project site per application. The photographs should be representative of the project area, including any relevant streams, creeks, rivers, etc. and drainage areas that affect the project site or will be affected by the project, and labeled. For each structure, include the following angles: front, back and both sides.
- \*Budget Workbook
- \*Project Worksheet
- \*Scope of Work
- \*Proof of Authorization Authority

File:

With the recent update, Original Signed Application has been moved

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# FDEM Portal

### VI. Attachments

Floodproofing	Floodproofing Worksheet
Generator	Generator Worksheet
Mitigation Reconstruction	Mitigation Reconstruction Worksheet
Protective Measures	Protective Measures Worksheet
Safe Room-Hurricane	Hurricane Safe Rooms
Safe Room-Tornado	Tornado Safe Rooms
Utility Mitigation	Utility Mitigation Worksheet

A copy of the Panel Information from the FIRM

Acquisition-On-going Federal Activities

Acquisition-Pre-event Value

Acquisition-Property Owner documentation

Acquisition-Statement of Assurances

Acquisition-Voluntary interest

Alternative Site Map

Authorizing Agent

Budget Workbook

City or County Scale Map

Concurrence from Natural Resource Conservation Service

Select File

**Drop-down menu shows list of attachments**

**Files**

Upload Files

Previously Uploaded

Budget Workbook-TEST.pdf

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Cancel



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PID-164571	Submitted	10/29/2021, 11:11 AM	12/31/2021

I. Application Information

II. Project Description

III. Project Location

IV. Budget/Costs

V. Environmental Review and Historic  
Preservation Compliance

VI. Attachments

Submit

Submit button will turn blue when all fields are complete


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# FDEM Portal

VII. Submit

 Upload your signed application here

\*I acknowledge that I have provided FDEM a completed original application that is required by F.A.C 27P-22.007(5) as an attachment to this submittal, and that it is signed and dated by my Authorizing Agent, or by an authorized delegate on their behalf with proof of this delegated authority.

CONGA has been removed and no digital signature is needed

Uploading the Original Signed Application will be the final step and will provide the AA's Signature

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# MITIGATION DIRECTORY



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