Maximizing Hazard Mitigation Grant Funds for Post Irma Recovery

Florida Hospital Association
Thursday, February 22, 2018

WELCOME!

Thanks for joining us!
Objectives

- Understand the two grant programs managed by the Federal Emergency Management Agency and the State of Florida that assist hospitals in mitigating against future damages.
- Describe how hospitals may access funding through local mitigation strategies managed by county emergency management agencies.
- Understand the technical assistance needed to apply for mitigation grant funds.
Why Are We Here?
A Dilemma

• 11 year hiatus in significant tropical storm activity
  – Hermine and Matthew (2016)
  – Harvey, Irma and Maria (2017)
  – 2018?
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FHA Role in Response

- Support agency to the State Emergency Response Team through ESF8
  - Coordinate hospital response activities
  - Communicate important information
  - Advocate for issues impacting hospitals

2016-17 Lessons Learned

- Successes –
  - Response leadership
  - Life Safety
  - Community support
  - Unmet needs met w/o difficulty

- Needs improvement –
  - Non-acute provider preparedness
  - Utility restoration priority
  - At-risk population support
  - Community preparedness
Lessons Learned: Mitigation and Recovery

- Understanding the process for recovery assistance is complex.
- Document, document, document!
- Mitigation funds are under-utilized by hospitals.
- Mitigation and recovery is a slow process.

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FEMA PUBLIC ASSISTANCE

Public Assistance Basics

Cost
Work
Facility
Applicant
Public Assistance Basics

• **Applicant Eligibility**
  - Must be a governmental entity
  - Private Non-Profit providing essential governmental service, such as schools and hospitals
  - Damages must be the legal responsibility of the applicant to repair

Public Assistance Basics

• **Facility** is defined as:
  - Any building, works, system, or equipment
  - Any improved or maintained natural feature
Public Assistance Basics

• **Work**
  - Must be a direct result of disaster
  - Located within the disaster area
  - Legal responsibility of applicant

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Public Assistance Basics

• **Codes and Standards**
  - Apply to the repair work
  - Be appropriate to pre-disaster use
  - Be formally adopted
  - Apply uniformly to all such facilities
  - Be enforced
Public Assistance Basics

• **Costs** – to be eligible costs must:
  - Be reasonable and necessary
  - Comply with standards of procurement
  - Exclude credits
    - Insurance
    - Salvage

Public Assistance Basics

• Emergency Work
  - Category A - Debris Removal
  - Category B - Emergency Protective Measures
Public Assistance Basics

• Permanent Work Categories

  • C - Roads and Bridges
  • D - Water Control Facilities
  • E - Buildings and Equipment
  • F - Utilities
  • G - Parks and Others

Public Assistance Basics

• Category E - Buildings and Equipment

  • Buildings, schools, hospitals, etc
  • Building contents and systems
  • Equipment
  • Vehicles
Public Assistance Basics

• Category E – Buildings and Equipment

  • Pay special attention to:
    • Insurance
    • Floodplain management
    • Codes and Standards
    • Depreciation

The Project Worksheet ...

...Tells a story

What was there before the disaster? Basic Project Worksheet Info
What did the disaster do to the facility? Damage Description and Dimensions
What is necessary to fix the facility? Scope of Work
How will the facility be restored? Scope of Work
Are there any Special Considerations? 4 Questions
How much will it cost? Cost
Sandy Recovery Improvement Act

On January 29, 2013, President Obama signed into law the Sandy Recovery Improvement Act of 2013 (P.L. 113-2). The law authorizes several significant changes to the way FEMA may deliver disaster assistance to both individuals and public assistance applicants.

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Permanent Work Alternative Procedures:

- Permits permanent work grants to be based on capped estimates, with applicants accepting responsibility for any actual costs above the estimate.
- Allows applicants to use excess funds for activities that reduce risk in future disasters and other activities to improve future PA operations.
- Permits applicants to consolidate multiple permanent work projects.
- Eliminates the penalty for alternate projects based on estimates.
- Permits FEMA to accept the mutually agreed upon certified cost estimates prepared by applicants’ licensed engineers.
- Applicants may request to utilize a FEMA-funded, independent validation of project estimates for permanent repair projects with an estimated federal share of at least $5 million.
New Public Assistance Delivery Model

- Segmenting projects based on complexity and the type of work;
- Standardizing workflow processes, including the development of an on-line PA Grants Manager and Grants Portal technology platform to promote consistency, transparency and accountability;
- Specializing staff roles and responsibilities, matching skill sets with business process requirements to ensure quality; and
- Consolidating subject matter experts in Consolidated Resource Centers (CRC) to improve consistency and accuracy while building agency-wide capacity to support disaster operations nationwide.

Project Description

Cost
Scope of Work
Damage Description
406 Hazard Mitigation

The mission of the 406 Hazard Mitigation Grant Program is to consider funding additional measures, *not required by applicable codes and standards*, that will enhance the ability of an eligible damaged element to resist similar damage in future, similar, declared events.

- Permanent Work
  - (Cat C through G)
  - (Cat A & B dollars can be used for the HMP)
- Related to a damaged element
- Reduce or eliminate the threat of future damage to the damaged element
- Be cost effective
406 Hazard Mitigation

Damaged elements are building or components
- Electrical panels
- MEP
- Contents may be the damaged element
- Window
- AC Unit
- Roof
- Interior surfaces
- Damage caused by loss of environment controls

Examples of Successful FEMA HMP
Elevate Me! Please!

Although it was anchored and not displaced by floodwaters, this generator was out of service after being submerged.

Oh Yea!

Elevated utility box

University of Texas Medical Branch

Hurricane Ike 2008
Dry Flood Proofing

Permanent watertight doors for deep water

NMR Dockside
Floodwalls

Primary Care Pavilion Flood Wall
Mitigate the Function Clinical Service Wing

- Project Description/Purpose:
  - Construct new 6-story building to house all the primary functions that were on the first floor of the 8 hospitals in the Healthcare Core Complex
  - Pharmacology, food services, sterile process, blood bank, laundry, storage of medical supplies and equipment

- Total Project Cost: $127.5 million
  - FEMA Participation: $64.3 million (50%)
  - UTMB’s Share: $63.2 million (50%)
FEMA Project – Clinical Services Wing Opened 2015

• Project Description/Purpose:
  • Revamp of all public corridors on the ground floor through eight connected hospitals
  • Waterproof all surfaces
  • Widen all Corridors
  • Separate HVAC system from 11 floors above it
  • More pedestrian friendly

• Total Project Cost: $15.3 million
  • FEMA Participation: $2.1 million (14%)
  • UTMB’s Share: 13.2 million (87%)
Concourse

MEP to be Elevated
Abandon the Space
Student Testing Center

Project Description/Purpose:
• Convert the ground floor of the Children’s Hospital into a testing center
• Relocate mechanical and electrical systems to the second floor

Total Project Cost: $10.8 million
• FEMA Participation: $5 million (46%)
• UTMB’s Share: $5.8 million (54%)

Student Testing Center
Hazard Mitigation Grant Program

- Authorized by Section 404 of the Stafford Act
  - Also known as 404 funding
- Provides opportunities for funding of hazard mitigation projects
  - Projects may result in structural or non-structural mitigation of hazards
  - Project must be cost-beneficial
  - Facilities to be mitigated do not have to have been damaged by the disaster
  - Mitigation activity does not have to be for the same type of hazard that caused the declaration
  - Projects are funded at 75%; remaining 25% must be non-federal funds, but not necessarily cash (can be in-kind contribution)
Eligible HMGP Projects

- Project must be in conformance with the state and local hazard mitigation plan and with 44 CFR Part 9 (Floodplain Management & Protection of Wetlands) and Part 10 (Environmental Considerations);
- Project must have a beneficial impact on the disaster area, whether or not it is located in the disaster area;
- Project must solve a problem independently, or must be a functional part of a solution where there is assurance that the entire solution will be implemented;
- Project must be cost-effective and substantially reduce the risk of future damage, hardship, loss, or suffering resulting from a major disaster;

Eligible HMGP Projects (cont.)

- Projects must address a problem that has been repetitive or that poses a significant risk to public health and safety;
- Project must not cost more than the anticipated value of the reduction in direct damages and negative impacts;
- Project must be determined to be the most practical, effective, and environmentally sound alternative;
- Project must contribute to a long-term solution to the problem; and
- Project must consider long-term changes to the area and must have manageable future maintenance requirements.
Projects may be of any nature that will result in protection to public or private property, including:

- Retrofits of facilities, such as shutters, glazing, or increased envelope protection from wind or structural elevations to above determined flood elevations
- Protection of utilities, such as elevation of electrical components
- Property acquisition or relocation, resulting in open or green space (with deed restrictions)
- Safe room construction, to protect life from extreme winds

Examples of Successful 404 projects

- UTMB: Elevation/hardening/relocation of mechanical, electrical, and plumbing components that support health care operations
- UTMB: Glazing of library windows, to protect library collection from wind/wind-driven rain damages
- UTMB: Retrofit of roofs to increase protection from extreme winds and decrease debris potential
- UTMB: Construction of a floodwall to protect utility operations
- COG: Installation of automatic roll-down shutters over doors to protect building envelope from wind/wind-driven rain
Examples of Successful 404 projects

➢ University of Texas Health Science Center Houston Flood wall to enclose campus
➢ TECO Utility Co-op at Texas Medical Center - Elevation and flood proofing of Electrical System
➢ Memorial Hermann TMC combined 406 / 404 project to elevate damaged MEP as well as undamaged data medical records
➢ St Luke's Episcopal Hospital (TMC) Elevation of MEP Systems

Opportunity

• Each Federal declaration includes the 404 grant
• Applicants do not have to be damaged by event.
• Review Master Plan for possible 404 grants
FDEM Notice of Funding for Hurricane Irma

- Applications are currently being accepted. The application period will close August 6, 2018. Applications mailed to the Division must be postmarked on or before August 6, 2018.

- Eligible Applicants
  - State and local governments who have an approved Local Mitigation Strategy (LMS) in accordance with 44 CFR 201.6, prior to receipt of HMGP subgrant funding for projects;
  - Private non-profit organizations or institutions that own or operate a private non-profit facility as defined in §206.221(e); and
  - Indian tribes or authorized tribal organizations

FDEM Notice of Funding for Hurricane Irma

- Pursuant to 27P-22 of the Florida Administrative Code, all project applications must go through the Local Mitigation Strategy Working Group (LMSWG) of the county where the project will take place.

- Cost-Share Requirements
  - Under the HMGP, FEMA will contribute up to 75 percent of the total amount approved under the grant award to implement eligible, cost-effective mitigation measures.
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Questions?

Upcoming Events

• **March 13-14** – Certified Healthcare Safety Professional (CHSP) Preparation Course and Certification Examination
• **April 4** – Hospital Incident Command System (HICS) training
• **April 17** – Safety, Emergency Management and Security Roundtable: Mitigation and Recovery Workshop
• **Details**: [http://www.fha.org/education-and-events.aspx](http://www.fha.org/education-and-events.aspx)
Webinar Evaluation Survey & Continuing Nursing Education

- Eligibility for Nursing CEU requires submission of an evaluation survey for each participant requesting continuing education: [https://www.surveymonkey.com/r/DZ3D2ZV](https://www.surveymonkey.com/r/DZ3D2ZV)
- Share this link with all of your participants if viewing today’s webinar as a group
- Be sure to include your contact information and Florida nursing license number
- FHA will report 1.0 credit hour to CE Broker and a certificate will be sent via e-mail
- We would appreciate your feedback even if you are not applying for CEUs!!
- Web participants can stay logged in as the webinar closes to be redirected to the online survey (the link will also be provided in a follow up email)

Thank You!

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