Mitigation Planning and Funding Actions
Floodplain 101

- **KY Flood Insurance Statistics**
  - 23,487 Policies
  - $3,679,836,900 in Coverage
  - $19,926,786 in Total Premiums
  - 21,671 Total Claims since ‘78
  - $292,505,838 Total Paid since ‘78
Did you know…?

Through the FEMA Hazard Mitigation Assistance (HMA) grant programs, mitigation project costs are matched 75% to 100% by federal cost share.
Overview

• **Hazard Mitigation Planning**
  – State Plan
  – Local Plans
  – Goals, Objectives, & Actions

• **Hazard Mitigation Grant Funding**
  – Programs
  – Eligibility
  – Process Overview
FEMA requires approved state and local hazard mitigation plans in order to receive mitigation funds.

The state plan is an administrative plan that describes our mitigation goals and how we work with local jurisdictions statewide to achieve them.
KY has an approved Enhanced State Mitigation Plan, which increases the share of disaster-related mitigation funds from 15% to 20% of total assessed damages.

All jurisdictions are encouraged to participate in the state planning process via stakeholder meetings.
Local Hazard Mitigation Plans

KY utilizes the Area Development Districts (ADD) to ensure statewide coverage by mitigation plans.

Each ADD, with local stakeholder input, develops a Multi-Jurisdictional Multi-Hazard Mitigation plan that covers the entire ADD service area.

All local jurisdictions must adopt the approved plan.
Assessing risk is a major component of developing an effective plan.

Based upon the results of identifying and assessing local risks, mitigation plans are generally structured according to Goals, Objectives, and Actions.
Planning

Goals

Goals are the guiding justification underlying mitigation objectives and actions.

Mitigation goals are the fundamental representations of what the community seeks to achieve by implementing the mitigation plan.
Planning

Goals

Examples:
• Minimize loss of life and injury.
• Minimize loss of property, especially to critical facilities.
• Protect natural and cultural resources.

The norm for Kentucky plans is 4 to 6 goals.
Objectives/Mitigation Types

Objectives organize mitigation actions that work toward achieving the goals of the plan.

Mitigation types are objectives of the plan as categories under which mitigation actions/projects would be organized.

Examples:

“Structural/Infrastructure Projects”
“Plans and Regulations”
“Education and Awareness Programs”
Planning

Actions

Actions are mitigation projects which may be undertaken to work toward achievement of the goals.

Via the results of the risk assessment and through the opinion and expert advice by planning participants and the public, it is to these projects that the community will be directing its potential applications for grant funding.

Actions include both FEMA eligible projects and mitigation projects funded from other sources.
Planning

Actions

Actions can be either a very specific project list:

*The City of Dreams wants 666 floodprone properties acquired on Unicorn Nightmare Lane.*

OR

Actions can be categories (i.e. less specific):

*The City of Metrotownsville will pursue acquisition projects.*

With multi-jurisdictional plans, consider combination of both specific and broad actions.
Planning

Goal:
Minimize loss of property, especially to critical facilities.

Objective:
Structural/Infrastructure Projects

Action:
- Elevate floodprone lift stations
- Relocate/bury electricity distribution lines
To be eligible to apply for FEMA mitigation grant funding, your project must conform with state and local hazard mitigation plans.

Local applicants must have an approved and adopted local mitigation plan prior to grant award.

Projects must reflect the goals of the state and local plans.
Funding: Programs

FEMA Hazard Mitigation Assistance (HMA) Grant Programs

Hazard Mitigation Grants Program (HMGP)
Pre-Disaster Mitigation Grants Program (PDM)
Flood Mitigation Assistance Program (FMA)
  – Severe Repetitive Loss Program (SRL)
  – Repetitive Loss Program (RL)
Funding: Programs

Hazard Mitigation Grant Program (HMGP)

- Funds become available following a disaster declaration.
- Any eligible entity may apply for HMGP mitigation funds.
- Mitigation proposals may relate to any type of hazard.
- Planning, initiative, and regular projects are eligible for funding.
- Funding split:
  - 75% Federal
  - 12% State
  - 13% Local (cash and/or in-kind contributions)
Funding: HMGP Program

Up to 7% of HMGP available mitigation funds may be used for planning proposals.

Eligible planning activities include but are not limited to:

- Update or enhance sections of the current FEMA-approved mitigation plan based on new information, such as:
  - Risk and vulnerability assessment, including supporting studies, such as economic analyses;
  - Incorporate climate adaptation, green building, or smart growth principles into the risk assessment.
- Integrate information from mitigation plans with other planning efforts (CSEPP, economic development, land use).
- Building capability through delivery of technical assistance and training.
- Evaluation of adoption and/or implementation of ordinances that reduce risk and/or increase resilience.
Funding: HMGP Program

Regular projects must:

• Conform with the State and Local Hazard Mitigation Plan
• Conform with environmental laws and regulations
• Create an independent long-term solution or a functional portion of a long-term solution
• Meet FEMA cost-effectiveness criteria
• Have a beneficial impact upon the designated hazard area
Eligible regular project activities include:

- Acquisition demolition or relocation
- Structural elevation
- Drainage improvement
- Detention/retention basins
- Seismic retrofits
- Tornado safe rooms
- Landslide stabilization
- Utility relocation/elevation
- Water crossing upgrades/road elevation
- Generators for critical facility
Funding: HMGP Program

5% – 10% of available mitigation funds may be used for initiative projects (the state may request an additional 5% for severe wind-related disasters).

Initiatives are those projects for which cost effectiveness is difficult to quantify using benefit cost analysis.

Eligible initiative project activities include:
• Generators for critical facilities
• Sirens
• Other early warning systems
• Educational outreach
Funding: Pre-Disaster Programs

Pre-Disaster Mitigation Grant Program (PDM)

- Nationally competitive program
- Generally an annual cycle with an approximate 90 day application period
- FY2014 PDM application period was open April 21 – July 25, 2014
- Funding split:
  - 75% Federal
  - 25% Local (cash and/or in-kind contributions)
- 2014 PDM Limitations:
  - States submit a maximum of 10 planning/project applications
  - Of these, only 2 may be for regular projects ($3 million federal share limit; priority ranked project limited to $250,000 federal share)
  - Up to 10 may be planning applications (new or updated)
  - Period of Performance limited to 2 years
Funding: Pre-Disaster Programs

Flood Mitigation Assistance Grant Program (FMA)

- Nationally competitive
- Generally an annual cycle with an approximate 90 day application period; coincides with PDM cycle
- For flood-related projects that benefit NFIP-insured properties
- Planning applications are highest priority
- Three funding splits (listed in priority order):
  - Severe Repetitive Loss (SRL) properties
    100% Federal
  - Repetitive Loss (RL) properties
    90% Federal
    10% Local (cash and/or in-kind contributions)
  - All other insured properties
    75% Federal
    25% Local
Eligible mitigation grant subapplicants are state and local governments and agencies, municipally – owned utilities, and certain nonprofits such as hospitals and universities.

Conservation districts are also eligible subapplicants for acquisition demolition or relocation projects.
Funding: Eligibility

For projects sited within a Special Flood Hazard Area (SFHA), subapplicants are eligible only if the jurisdiction in which the project is located is participating in the NFIP.

No NFIP participation requirement for HMGP/PDM planning subapplications or projects located outside of the SFHA.
Funding Process: HMGP

- Funds become available following a disaster declaration
- Applicant briefings are held in the declared areas
- Notice of Funds Availability is sent to statewide distribution list
- Subapplicants complete CHAMPS training to receive access to the system
- Subapplicants submit Mitigation Activity Form in CHAMPS
Funding Process: HMGP

• Kentucky Mitigation Council (KYMC) meets to decide prioritization of projects to move forward
• Project manager is assigned
• Selected planning and initiative projects move to application in CHAMPS
• Selected regular projects move to Benefit Cost Analysis (BCA)
• Cost effective proposals complete applications in CHAMPS
Funding Process: PDM/FMA

- Notice of Funds Availability sent to statewide distribution list when FEMA announces the open application period
- Requests to apply for funding sent to UK HMGP
- Subapplicants request access to eGrants system
- Benefit Cost Analysis completed
- Cost effective proposals develop application in eGrants
Funding Process: BCA

All regular and initiative mitigation projects must demonstrate cost effectiveness utilizing FEMA-approved methodologies.

Essentially, benefits must be equal to or greater than costs.

Initiative project applications must include a statement of cost effectiveness in lieu of a benefit cost analysis.
Funding Process: BCA

Regular projects must use a FEMA-approved BCA methodology and require specific documentable data (some data examples are shown):

FEMA BCA Program Modules

- Full Data (Flood Hazard Elevation & Discharge Data, First Floor Elevations)
- Damage Frequency Assessment (Past Damages, Loss of Function)
- Tornado Safe Room (Target Population, Structure Types & Occupancy Data)
- Earthquake (Soil Type, Ground Motion Values)

Your assigned grant manager will request relevant data and perform the analysis.
Other approved methodologies for establishing cost effectiveness include:

- **Substantial Damage Waiver**
  - The cost of restoring the building to its before-damaged condition would equal or exceed 50% of the market value before the damage occurred.

- **Cost Effectiveness Determinations Policy for Acquisition/Demolition or Elevation**
  - Acquisitions: Total average cost per structure $276,000 or less
  - Elevations: Total average cost per structure $175,000 or less

- **Landslide**
  - Property (building and contents) value divided by total project costs must equal 1.0 or greater
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