

State Hazard Mitigation Plan and Hazard Mitigation Grant Programs

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MARYLAND EMERGENCY MANAGEMENT AGENCY



MEMA's Hazard Mitigation Program

- Administer FEMA's Hazard Mitigation Assistance (HMA) programs
- Develop State Hazard Mitigation Plan
- Collaborate with State Agencies to set and implement statewide risk reduction measures



2016 State Hazard Mitigation Plan

- Adopted August 26, 2016
- Updated every 5 years
- Identifies long-term mitigation strategies
- Road map for implementation
- Opportunity for plan integration



2016 Plan Goals

- Protect life, property, and the environment
 - Public awareness
 - Enhanced coordination with local jurisdictions and State
 - Protection of State assets, infrastructure, and critical facilities
 - Promote natural resource protection and resiliency
 - Efficient use of State resources



2016 Hazard Identification

- Reviewed past Presidential Disaster Declarations
 - **Coastal Hazards**
 - **Flood**
 - **Winter Storm**
 - **Tornado**
 - **Wind**
 - Thunderstorm
 - Wildfire
 - Drought



2016 Mitigation Strategies

- 36 Mitigation Action Implementation Worksheets
- Prioritization
- 6 categories
 - Prevention: Flood Risk freeboard layer
 - Property protection: Elevation Certificates for historic properties at risk to flooding
 - Public Education and Awareness: Enhance mdfloodmaps.org
 - Natural Resources Protection: Coastal restoration
 - Emergency Services: Table top exercises prior to flood event/hazard
 - Structural Projects: Inventory susceptible wells and retrofit

2016 Repetitive Loss Strategy

- FEMA Flood Risk MAP products for all coastal jurisdictions
- Reduce properties within RL and SRL areas
- Update inventory and database
- Prioritization
- Funding

2016 Plan Management

- State capabilities
 - Floodplain management
 - Stormwater management
 - Historical Preservation
 - Natural Resource Protection
 - Data
 - Funding
- Training and Technical Assistance
- Plan Integration



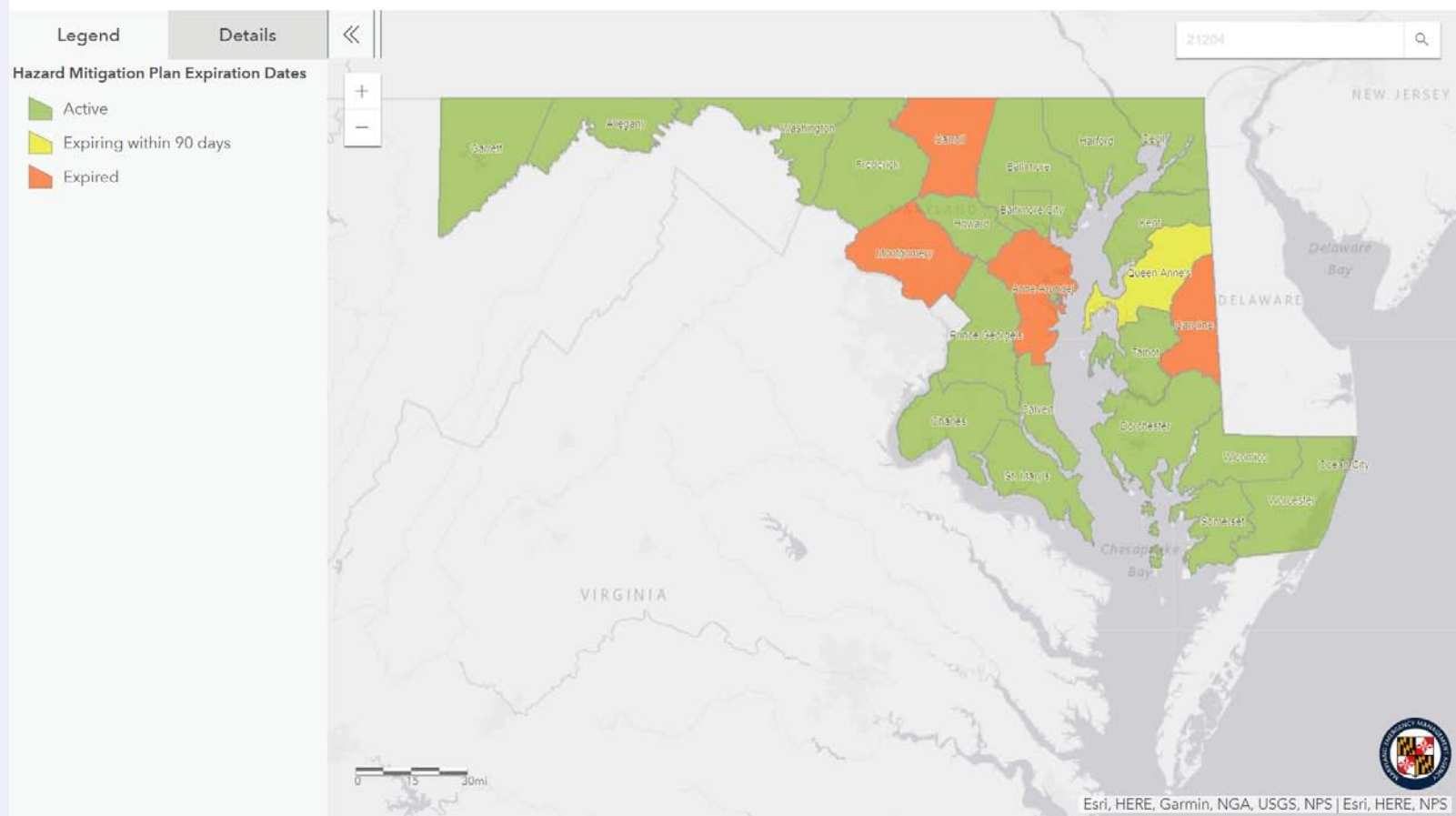
CURRENT INITIATIVES



Culture Shift



Local Hazard Mitigation Planning



5 Year Planning Cycle



External Partnerships

- Silver Jackets
- Resiliency Partnership
- DNR Coast Smart Council
- Mitigation Advisory Committee
- State Agencies



Building Local Capacity

- Increased engagement
 - Quarterly Subrecipient webinars
 - Participating in local Hazard Mitigation Plan updates
 - Project scoping
- Training
- Subapplicant Guidance materials








Investment Benefit

Natural Hazard Mitigation Saves



Natural Hazard Mitigation Provides the Nation \$6 in Benefit for Every \$1 Invested

National Benefit-Cost Ratio (BCR) Per Peril <small>*BCR numbers in this study have been rounded</small>	Beyond Code Requirements	Federally Funded
Overall Hazard Benefit-Cost Ratio	\$4:1	\$6:1
 Riverine Flood	\$5:1	\$7:1
 Hurricane Surge	\$7:1	Too few grants
 Wind	\$5:1	\$5:1
 Earthquake	\$4:1	\$3:1
 Wildland-Urban Interface Fire	\$4:1	\$3:1

This Interim Study quantified a number of benefits from mitigation, including reductions in:

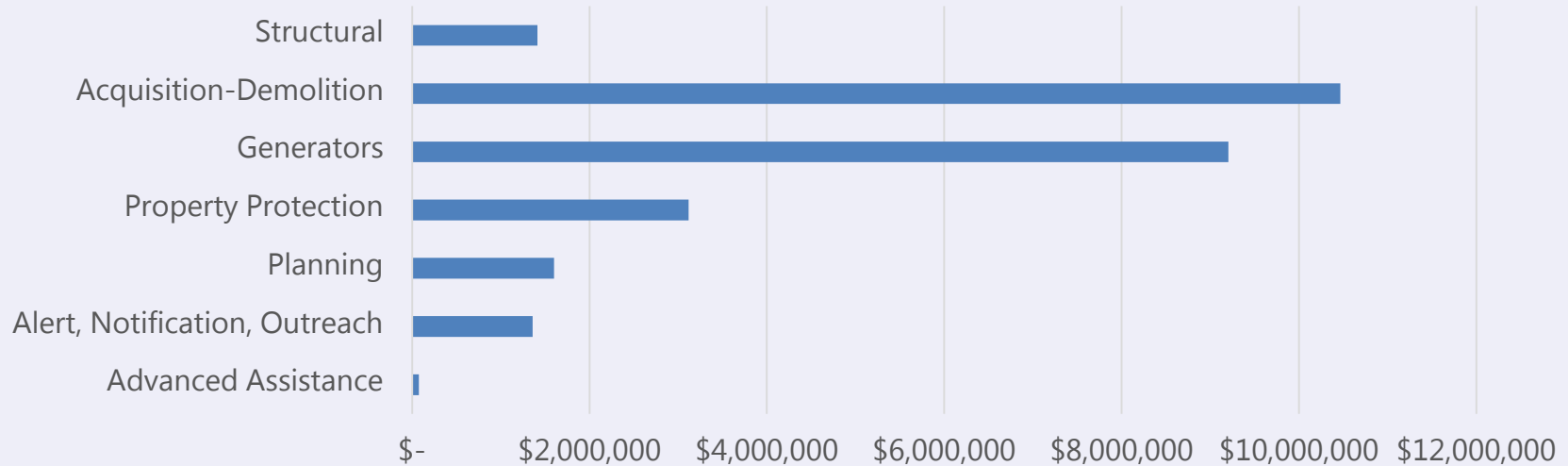
- Future deaths, nonfatal injuries, and PTSD
- Repair costs for damaged buildings and contents
- Sheltering costs for displaced households
- Loss of revenue and other business interruption costs to businesses whose properties are damaged
- Loss of economic activity in the broader community
- Loss of service to the community when fire stations, hospitals, or other public buildings are damaged
- Insurance costs other than insurance claims
- Costs for urban search and rescue



FEMA

Investment Trends

Federal Share of HMA Activities 2010-Present



Investment Strategy: Community-based Projects

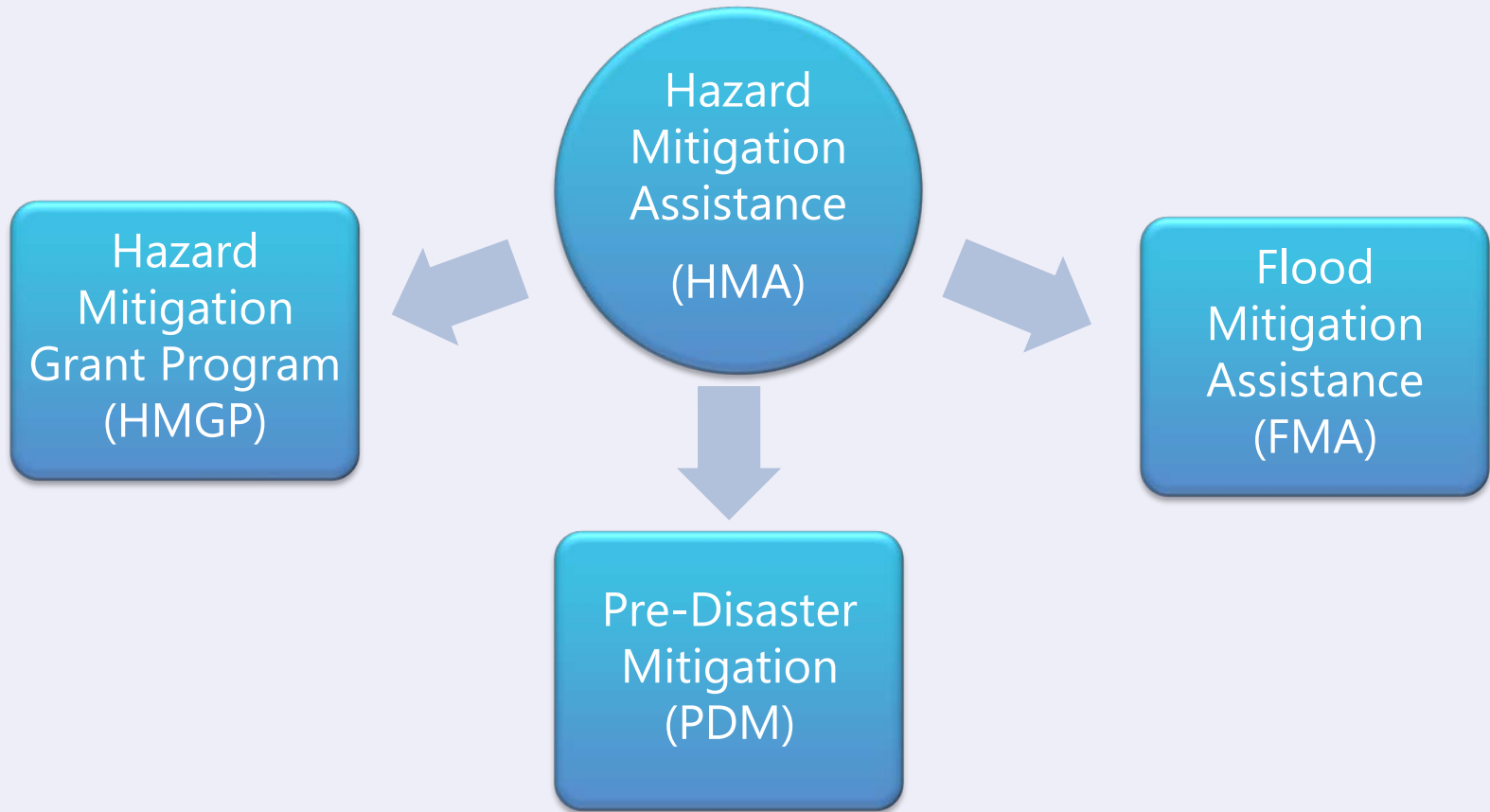
- Reduces the risk and provides benefits for a community (more than 1 property or individual)
- Protects critical infrastructure
- Part of a comprehensive strategy
- Buy-in of local community

Mitigation Project Priorities 2018

- **Structural** localized and non-localized flood risk reduction projects.
- **Acquisition and demolition** of floodplain properties and structures.
- Emergency power **generators for Critical Facilities.**
- **Property protection** measures that protect individual structures.
- **Public education and awareness** including HMPs.

HAZARD MITIGATION ASSISTANCE PROGRAMS





Hazard Mitigation Grant Program (HMGP)

- Funds available after a **Presidential Disaster Declaration**
- Application due approximately 1 year from Declaration date
- Cost share: 75% Federal and 25% non-Federal
- Most flexibility for eligible activities
- Local Hazard Mitigation Plan must be adopted and approved by the date funds are obligated

Pre-Disaster Mitigation (PDM)

- Funds available **annually**
- Cost share:
 - 75% Federal and 25% non-Federal
 - 90% Federal and 10% non-Federal for small impoverished communities
- **Nationally competitive**
- Some restrictions on activities
 - Post-disaster code enforcement
- Local Hazard Mitigation Plan must be adopted and approved by State
Application due date

Flood Mitigation Assistance (FMA)

- Funds available **annually**
- Cost share:
 - 75% Federal and 25% non-Federal
 - 90% Federal and 10% non-Federal for small impoverished communities
 - 90% Federal and 10% non-Federal for Repetitive Loss; 100% Federal for SRL
- **Nationally competitive**
- Projects and Plans limited to **flood mitigation activities only**
- Local Hazard Mitigation Plan must be adopted and approved by the State Application due date
- Community must be in **Good Standing with National Flood Insurance Program (NFIP)** and property must carry NFIP policy in perpetuity

Hazard Mitigation Activities

Eligible

- Property Acquisition/Demolition
- Structure Elevation
- Dry Floodproofing
- Flood Risk Reduction
- Soil Stabilization
- Planning
- Advance Assistance (Design and Engineering)

Ineligible

- Deferred maintenance
- Repair or replacement of existing infrastructure, roads, facilities, etc.
- Debris/snow removal
- Mitigation for damaged infrastructure that can be funded under Public Assistance

LOOKING AHEAD



2019 Objectives

- Developing robust, targeted outreach strategy for Hazard Mitigation
 - Small, impoverished communities
 - High hazard
 - Project activity type focused
- Fostering interagency collaboration
 - Leveraging monetary resources
 - Identifying subject matter experts
 - Joint outreach efforts



Vision and Long Term Goals

- Enhanced State Hazard Mitigation Plan
- Stepping outside solely administering FEMA's HMA programs
- Being a leader for Risk Reduction Strategy Nationwide

Questions and Discussion



Contact

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