

Improving Mitigation Implementation

ASFPM Annual Conference
Managing Floods Where Mountains Meet the Desert

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June 20, 2018

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Disclaimer - Opinions expressed are solely my own and do not express the views or opinions of my employer or clients

The process for this presentation started Thursday 6/14 when a presenter had a conflict and had to dropout.

June 17-21, 2018 | Phoenix, AZ

Agenda

- Perspective/ Background
- Common Challenges
- Gaps
- Ideas

***Encourage** audience participation – questions, lessons learned, recommendations, etc.*



Perspective/Background

- 30 years of Hazard Mitigation
- Projects Approval
 - < 90 days and 10+ years
- Return on investment
 - Mitigation Saves Studies
 - Loss Avoidance Studies
- Newer versus Older Construction Performance
- Program Administration by State



Perspective/Background

Figure 2

Almost Three-Quarters of FEMA's Disaster Relief Fund Supports Its Grants Programs

Inflation-adjusted DRF expenditures by category, federal FY 2005-14

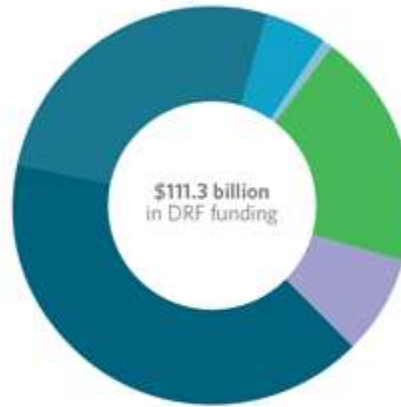
73% FEMA grants and other direct financial assistance
10-year total: \$81.5 billion

41% public assistance grant program

26% individual assistance programs

5% Hazard Mitigation Grant Program

1% Fire Management Assistance Grant Program



19% administration
10-year total: \$21.3 billion

8% mission-assignment reimbursements
(agencies outside of FEMA)
10-year total: \$8.5 billion

Notes: When possible, figures reflect actual expenditures, rather than amounts obligated, with the exception of the Hazard Mitigation Grant Program (\$5.9 billion), which reported only obligations because of data limitations.

Source: Pew's analysis of data from Government Accountability Office, "Federal Disaster Assistance" (September 2016)

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Perspective/Background

- 1988-2018 \$15 billion in hazard mitigation grants, \$0.5b per year
- Over \$75 billion in PA from 1998-2018, \$3.5 billion per year



Common Challenges

- Inconsistent Implementation and Policy
 - Differences in Programs
 - Each community, state, region, agency have different approach/priorities
 - NOT one size fits all
- Insufficient/Inconsistent Funding
- Timeline
- Culture
- Other?







<http://www.bestatticcleaning.com/crawl-space/cleaning/>



Gaps

- Guidance
 - FEMA PAPPG, HMA, Guidance Publications
 - FWHA-ER Manual
- How to actually implement at local level
 - Encourage elected officials, interface with public, finance, procure
- Resource constraints
- Education/curriculum
- Other ?

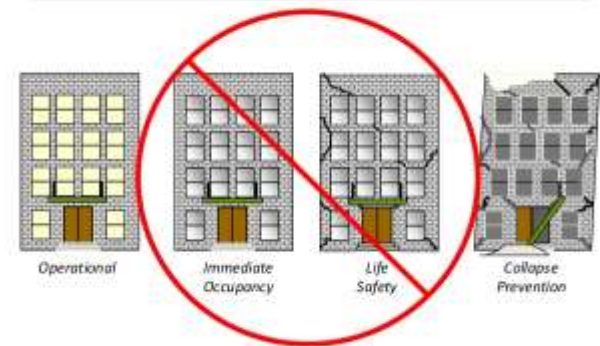


Ideas

- Increase HMGP ceiling and/or 5% initiative if/when funding is obligated within a certain period of time
- Pre-approved projects based on approved hazard mitigation plan
- Rebate/reimbursement project
 - SOW and criteria clearly spelled out
- Base SD on first floor of non-elevated building OR area below and the lowest floor of an elevated building
- Increase awareness and make poor performance unacceptable



Standard Performance Levels



ATC-06/ATC-06-1 Seismic Performance Assessment of Buildings - Environmental Methodology

[Slideshare.net/EERISlides/Kathrina Simonen](https://www.slideshare.net/EERISlides/Kathrina-Simonen)

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