HMA Application Development and Review – Applying Best Practices and Lessons Learned

Cleveland, Ohio

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Agenda

- Process Overview
- Application Numbers
- Observations
Process Overview

FEMA
- Priorities (NOFO)
- Eligibility and Completeness

Review Team
- Cost Effectiveness
- Technical Feasibility and Effectiveness

FEMA
- QA/QC
- Selection
Process Overview

Planning
• Templates and Tools – Memos / Review Standards
• Staffing and Training – Historic Trends / Lessons Learned

Screening
• Project Type and Complexity – Pre-Calc vs. Complex
• E&C Concerns – Plans, Insurance, NOFO
• COI, Previous Submittal, Multiple Programs

Reviews
• Cost Effectiveness – Submitted and Reconstructed BCR
• Feasibility and Effectiveness – Risk, Mitigation, Benefits
### FEMA HMA Technical Assistance – Grant Application Review Summary

#### Technical Feasibility and Effectiveness and Cost-Effectiveness

<table>
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<td>BCR (reanalysis)</td>
<td>Benefits (reanalysis)</td>
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**Summary** – This is a technical feasibility and cost-effectiveness review in support of the National Technical Review process. No contact was made with the applicant or subapplicant; this review is solely based on information provided in the subapplication. The project was/was not found to be technically feasible and cost-effective; therefore, it is/is not recommended for further consideration.

This review only constitutes a review of the technical feasibility and cost-effectiveness of the proposed project; additional Environmental Planning and Historic Preservation (EHP), eligibility and completeness, and funding limitation considerations may affect the selection of this subapplication for further consideration and funding.

**Scope of Work** – XXXX (subapplicant) has submitted a subapplication for the acquisition of XX properties. The project includes XXXX (list main items in SOW). The proposed acquisition is intended to (explain why the acquisition is needed/what acquisition is intended to mitigate – flood risk, landslides, etc.).
FY 2018 Numbers

- FMA - 164
  - Recommended – 124 (75%)
  - Not Recommended – 12 (7%)

- PDM – 298
  - Recommended – 180 (60%)
  - Not Recommended – 70 (23%)

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Commonly Observed Issues and Best Practices

**Insufficient Data**
- Identify / connect risk to proposed solutions
- Reference Industry Standards

**BCA**
- Submit .zip file
- Document and QC inputs

**Unclear Conformance with HMA Requirements**
- Utilize Resources (ASCE 24 highlights etc.)
- Review HMA Guidance (including NOFO)
Acquisition / Elevation / Mitigation Reconstruction

- Identified Risk (SFHA)
- FFE
- Structural Evaluation
Wind Retrofit / Flood Proofing

- Design Standards
- Risk Assessment
Safe Rooms

- Occupancy - Population Protected, Capacity and where are they coming from

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Flood Risk Reduction

- Identified Risk
- Basis of Design
- Clear Benefits (BCA)
- Accurate Data Entry
Generators

- Basis for Sizing – identify critical services and loads
- BCA Methodology – clearly connect loss of function / risk to improvement
Key Points for Successful Applications

- Submit all supporting documentation every time
  - Multiple Programs (PDM, FMA, HMGP) or Multiple Years
- Provide BCA as a .zip file and support all inputs
  - Consistent data across application
- Ensure consistency with eligibility criteria
  - 15% not reviewed due to eligibility issues
- Review Memos (successful and unsuccessful applications)
  - Capture best practices / lessons learned
Questions / Discussion
Application Resources

- NOFO and Fiscal Year Fact Sheet
- FEMA HMA Guidance and Addendum
- BCA Toolkit (Tool & Guidance)
- FEMA ASCE 24 and ICC-500 Highlights
- Hazard Mitigation Assistance (HMA) Job Aids and Tools
- FEMA Map Service Center / Google Earth
- ATC Wind / USGC Seismic