Demystifying Federal Funding
FEMA Funding

- HMGP (Hazard Mitigation Grant Program)
- EMPG (Emergency Management Performance Grant)
- PDM (Pre-Disaster Mitigation Grant Program)
- NEHRP (National Earthquake Hazard Reduction Program)
HMGP (Hazard Mitigation Grant Program)

EMPG (Emergency Management Performance Grant)

PDM (Pre-Disaster Mitigation Grant Program)

NEHRP (National Earthquake Hazard Reduction Program)

FEMA Funding

$0-$375,000,000

~$350,000,000
FEMA Funding

- **HMGP** (Hazard Mitigation Grant Program): $0-$375,000,000
- **EMPG** (Emergency Management Performance Grant): ~$350,000,000
- **PDM** (Pre-Disaster Mitigation Grant Program): ~$250,000,000
- **NEHRP** (National Earthquake Hazard Reduction Program)

More Mitigation $$$!
FEMA Funding

- **HMGP** (Hazard Mitigation Grant Program)
  - $0-375,000,000

- **BRIC** (Building Resilient Infrastructure and Communities)
  - ~$300,000,000-500,000,000
  - ~$350,000,000

- **EMPG** (Emergency Management Performance Grant)
  - ~$250,000,000

- **NEHRP** (National Earthquake Hazard Reduction Program)
  - ~$250,000,000

- **PDM** (Pre-Disaster Mitigation)
  - Not funded
FEMA Funding

- **HMGP** (Hazard Mitigation Grant Program)
  - $0-375,000,000

- **BRIC** (Building Resilient Infrastructure and Communities)
  - $300,000,000-500,000,000
  - $350,000,000
  - $250,000,000

- **NEHRP** (National Earthquake Hazard Reduction Program)
  - $600,500
Project Eligibility Requires:

(44 CFR 201.6/.7)
Hazard Mitigation Plan

FEMA Funding

HMGP
(Hazard Mitigation Grant Program)

BRIC
(Building Resilient Infrastructure and Communities)

PDM
(Pre-Disaster Mitigation Grant Program)
HMP Purpose:

“These “things” are vulnerable to these hazards. This is what we are going to do to make these “things” less vulnerable.”

“Things”

- Infrastructure
- “Lifelines”
- Essential Facilities
  - Hospitals
  - First Responders
  - Schools
  - EOCs
- Populations
  - Tourists
  - Elderly
  - School
  - Disadvantaged
- Environment
- Economy

Hazard Mitigation Plans
HMP Purpose:
“These “things” are vulnerable to these hazards. This is what we are going to do to make these “things” less vulnerable.”

- Local Jurisdictions (City, County, School, Special District, etc.)
- Tribal Governments
- Territories
- States
HMP Purpose:
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Updated Every 5 Years
HMP Purpose:
“These “things” are vulnerable to these hazards. This is what we are going to do to make these “things” less vulnerable.”

- Local Jurisdictions (City, County, School, Special District, etc.)
- Tribal Governments
- Territories
- States

Updated Every 5 Years

Funding, Reviews, Training, Technical Assistance:
- State Hazard Mitigation Officer (SHMO)
- State Mitigation Planner
- FEMA Regional Mitigation Planner(s)
- FEMA Federal Integration Team (FIT) Mitigation Planner
Building an Earthquake Army

- State Earthquake Program Manager
- State Hazard Mitigation Officer & Planner
- State & Local Hazard Mitigation Planning Teams
State Earthquake Program Manager

State Hazard Mitigation Officer & Planner:
Approve and assist in RFP and scope development (if using FEMA funds)

State & Local Hazard Mitigation Planning Teams
RFPs for contractors and local update scopes

Insert yourself into scoping!
A diverse planning team and stakeholder engagement are requirements of the hazard mitigation planning process.
Hazard Mitigation Plan Requirements

A4. Does the Plan document the review and incorporation of existing plans, studies, reports, and technical information? 44 CFR 201.6(b)(3)

**Intent:** To identify existing data and information, shared objectives, and past and ongoing activities that can help inform the mitigation plan. It also helps identify the existing capabilities and planning mechanisms to implement the mitigation strategy.

a. The plan must document what existing plans, studies, reports, and technical information were reviewed. Examples of the types of existing sources reviewed include, but are not limited to, the state hazard mitigation plan, local comprehensive plans, hazard specific reports, and flood insurance studies.

b. The plan must document how relevant information was incorporated into the mitigation plan.

*Incorporate* means to reference or include information from other existing sources to form the content of the mitigation plan.

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**Code Analysis and Recommendation Reports**

- Earthquake/Tsunami Scenario Documents
- Liquefaction Reports
- Mapping: Landslides, Tsunami, soft soils etc.
- RVS/Rover Data
Hazard Mitigation Plan Requirements

B1. Does the Plan include a description of the type, location, and extent of all natural hazards that can affect each jurisdiction? 44 CFR 201.6(c)(2)(i) and 44 CFR 201.6(c)(2)(iii)

**Intent:** To understand the potential and chronic hazards affecting the planning area in order to identify which hazard risks are most significant and which jurisdictions or locations are most adversely affected.

The description, or profile, **must** include information on location, extent, previous occurrences, and future probability for each hazard. Previous occurrences and future probability are addressed in sub-element B2.

Earthquake/Tsunami Scenario Documents
Liquefaction and Soil Reports
Mapping: Landslides, Tsunami, Faults, soft soils, slopes, etc.
Hazard Mitigation Plan Requirements

B2. Does the Plan include information on previous occurrences of hazard events and on the probability of future hazard events for each jurisdiction? 44 CFR 201.6(c)(2)(i)

**Intent:** To understand potential impacts to the community based on information on the hazard events that have occurred in the past and the likelihood they will occur in the future.

**Probability** means the likelihood of the hazard occurring and may be defined in terms of general descriptors (for example, unlikely, likely, highly likely), historical frequencies, statistical probabilities (for example: 1% chance of occurrence in any given year), and/or hazard probability maps. If general descriptors are used, then they must be defined in the plan. For example, “highly likely” could be defined as equals near 100% chance of occurrence next year or happens every year.

Recurrence Intervals (helpful for BCA in grant applications)

Probability of scenario AND of earthquake hazard

(Ex. Seattle Fault Probability vs Earthquake hazard (Seattle Fault, Tacoma Fault, Cascadia, etc.)
Hazard Mitigation Plan Requirements

B3. Is there a description of each identified hazard’s impact on the community as well as an overall summary of the community’s vulnerability for each jurisdiction? 44 CFR 201.6(c)(2)(ii)

**Intent:** For each jurisdiction to consider their community as a whole and analyze the potential impacts of future hazard events and the vulnerabilities that could be reduced through hazard mitigation actions.

**Impact** means the consequence or effect of the hazard on the community and its assets. Assets are determined by the community and include, for example, people, structures, facilities, systems, capabilities, and/or activities that have value to the community. For example, impacts could be described by referencing historical disaster impacts and/or an estimate of potential future losses (such as percent damage of total exposure).

- Hazus Results
- RVS/Rover
- RRAP - Transportation
- URM/Soft-Story Inventories

Local Mitigation Plan Review Guide
October 1, 2011

FEMA
C5. Does the Plan contain an action plan that describes how the actions identified will be prioritized (including cost benefit review), implemented, and administered by each jurisdiction? 44 CFR 201.6(c)(3)(iii) and 44 CFR (c)(3)(iv)

**Intent:** To identify how the plan will directly lead to implementation of the hazard mitigation actions. As opportunities arise for actions or projects to be implemented, the responsible entity will be able to take action towards completion of the activities.

C6. Does the Plan describe a process by which local governments will integrate the requirements of the mitigation plan into other planning mechanisms, such as comprehensive or capital improvement plans, when appropriate? 44 CFR 201.6(c)(4)(ii)

**Intent:** To assist communities in capitalizing on all available mechanisms that they have at their disposal to accomplish hazard mitigation and reduce risk.

- Retrofits
- Increased seismic regulation and building codes
- Earthquake Early Warning Systems
- RVS/ROVER
- Permitting
- Shut off Valves
Identified Earthquake Mitigation Actions

- Retrofit (Structural)
- Retrofit (Non-Structural)
- Education & Outreach Programs
- Seismic Codes & Standards
- Hazard Mapping
- Plan Integration
- Land Use Planning
- Gas Shut-Off Valves

Related Topics:

- Retrofit Inventory
- Plan Integration
- Land Use Planning
- Hazard Mapping
- Seismic Codes & Standards
- Gas Shut-Off Valves

Locations:

- Emergency Operations Center
- Fire Station
- Schools
- Police Station
- Port
- Library
- Public Safety Building
- Hospital
- Landfill
- Community Center
- Post Office
- School
- Police Station
- Port
- Library
- Public Safety Building
- Hospital
- Landfill
- Community Center
- Post Office
Hazard Mitigation Plan Requirements

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- Retrofits
- Increased seismic regulation and building codes
- Earthquake Early Warning Systems
- RVS/ROVER
- Permitting
- Shut off Valves
Community Planning

- Long-Range Vision Plan
- Economic Development
- Capital Improvement Plan
- Land Use & Zoning Plan
- Hazard Mitigation Plan

Stakeholder Engagement

- Capital Budget
- School District Operations
- School Operations

Planning for Schools

Rapid Visual Screening Data
Working Together to Reduce Seismic Risk
“Allowable” Planning Related Activities under HMGP:

• Risk & Vulnerability Assessment
  • Location, Extent, Probability
  • Impact to Assets (determined by the community.
    • People (diverse/underserved), structures, facilities, systems, and capabilities

• Mitigation Strategy
  • Identification and linking of funding sources
    • Increasing understanding of financial tools that can be used to implement mitigation measures and develop a financing strategy.

• Alignment of Plans
  • Integrating information from mitigation plans with response plans, recovery plans, land use and master plans, capital improvement or economic development plans, resource management and conservation plans, and other long-term community planning initiatives.
  • Evaluating adoption and/or implementation of codes and ordinances that reduce risk and increase resilience
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- **Risk & Vulnerability Assessment**
  - Location, Extent, Probability
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For Earthquake Mitigation this means....

- Building Inventories for Hazus/URMs
- Vulnerability Assessments for Structures, Facilities, and Systems
- Code Analysis, Adoption and Implementation
- Support for integration of existing planning efforts
- Financing Strategy
Funding

EMPG (Emergency Management Performance Grant)

PDM (Pre-Disaster Mitigation Grant Program)

NEHRP (National Earthquake Hazard Reduction Program)

HMGP (Hazard Mitigation Grant Program)

BRIC (Building Resilient Infrastructure and Communities)

Local Taxes, Levies, Bonds

HUD-CDBG

Main Street USA
Economic Development Assistance Program

Public-Private Partnerships
Fundraising

Transportation Planning & Capacity Building

Water Infrastructure & Quality

Energy Efficiency

Business Development
Questions?