KICKOFF MEETING: CITY OF ALBUQUERQUE/ BERNALILLO COUNTY HAZARD MITIGATION PLAN

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November 27, 2014

AGENDA

- Introductions
- Scope and Objectives of Mitigation Plan
- ABQ/Bern Co. Hazard Mitigation Plan Team
- Overview of the Hazard Mitigation Planning Process
- Questionnaire
- Action Items and Discussion

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COMMUNICATION PROTOCOL

- Jim DeAngelo – URS PM and will coordinate closely with Plan Lead
- Kelli Murtagh, Bernalillo County POC
- Roger Ebner, City of Albuquerque POC

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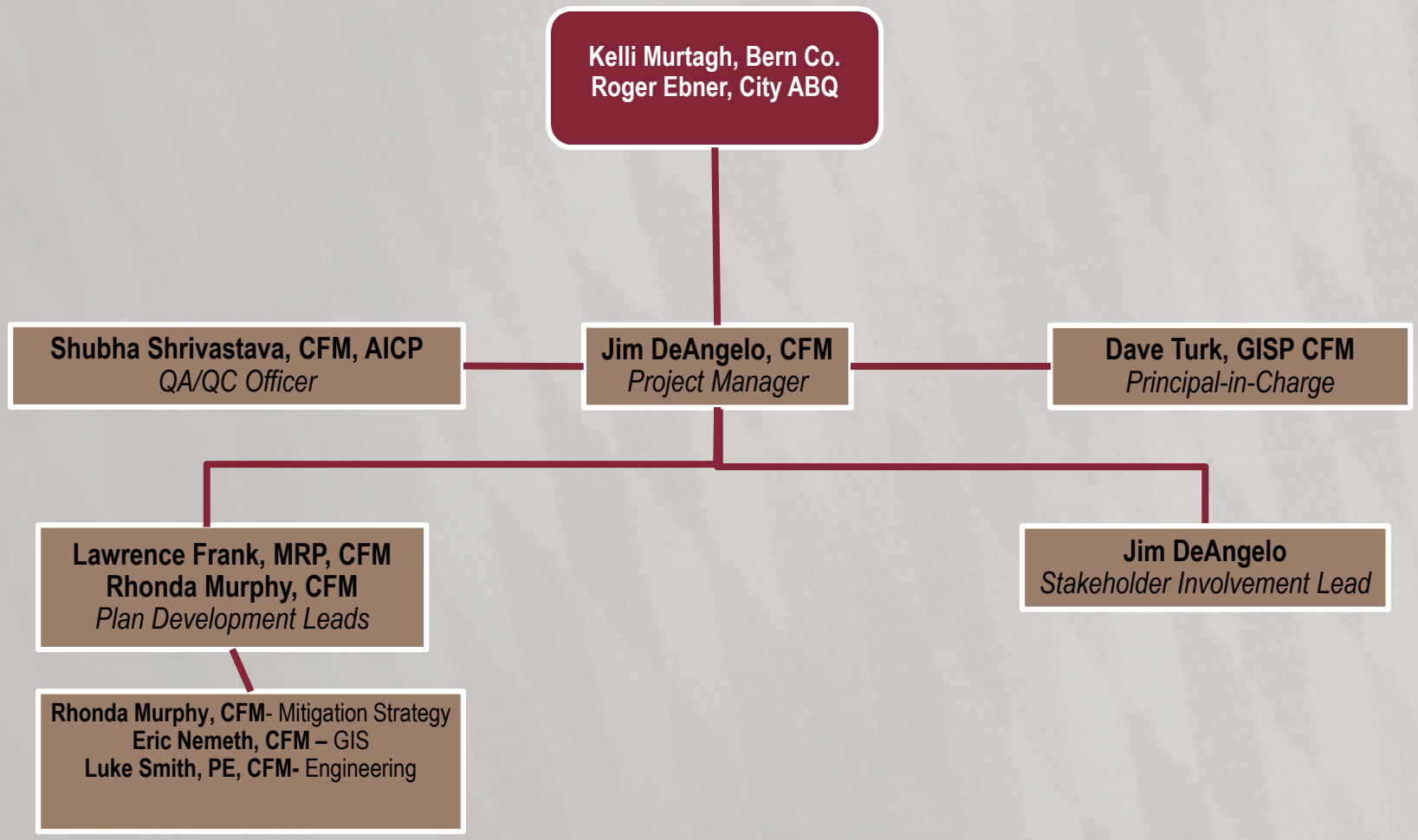
URS ORGANIZATION FOR PROJECT



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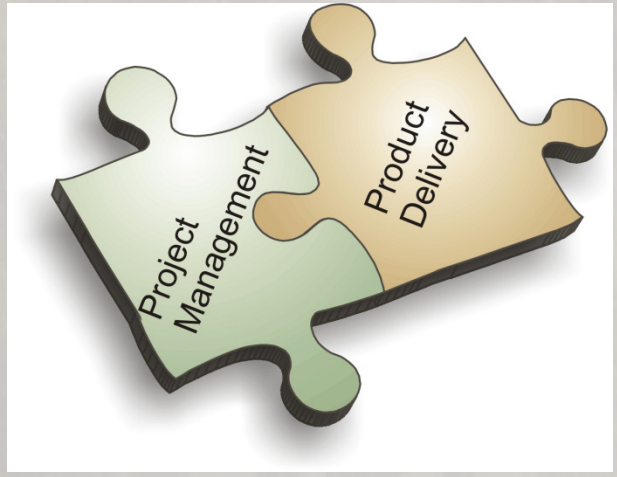
PROJECT MANAGEMENT

- Deliverable Format
- Schedule- Meetings and Deliverables
  - Periodic Phone Calls
  - Risk Assessment Meeting
  - Final Meeting
- Quality Reviews



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VISION AND PURPOSE

- Goal of hazard mitigation planning: Make communities hazard and disaster resistant
- Use past history and hazard map information to better plan future development
- Develop a mindset of managing risk
- "Planning has a proven ability to influence events before they occur and is an indispensable contribution to unity of effort."
  - From FEMA Comprehensive Preparedness Guide 101

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VISION AND PURPOSE

- Protect life, health, land, property, and safety
- Avoid damages and save dollars
- Reduce vulnerability by guiding new development and redevelopment
- Preserve the Bernalillo County, City of Albuquerque, character, values and resources
- Avoid interruptions caused by hazards
- Speed post-disaster recovery

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MITIGATION PLANNING CYCLE

Establish a Planning Process / Public Involvement Process

Update Hazard Identification, Analysis and Risk Assessment

Develop Capability Assessment/Update Vulnerability Assessment

Update Mitigation Strategy – Alternative Measures & Implementation

Develop Plan Maintenance Plan

Keep the Plan Current / Update and Implement It

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THE PLANNING PROCESS

Establish a Planning Process / Public Involvement Process

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THE PLANNING PROCESS

- Identify the plan stakeholders and local champions
- Build on existing Bernalillo County/ City of Albuquerque Hazard Mitigation Plan
- Address the 14 natural hazards from the State Plan
- Record recent occurrences of these 14 natural hazards in the community since last plan update
- Conduct outreach to present vulnerability and to brainstorm mitigation ideas and collect pertinent data
- Conduct outreach to prioritize mitigation actions

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DATA COLLECTION

- Flood Events
  - Past damages – photographs and specific information like what was damaged and how high the water was in buildings
  - Will review most recent flood maps
- Wildfire Events
  - Past damages – the extent of the wildfire, what caused it and what did it damage or destroy

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DATA COLLECTION

- Drought Events
  - Past damages – the extent of the drought, damages in the community, and cost to provide water

- Other Hazard Events since previous Plan preparation
  - Past damages by events in community

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HAZARD ID, ANALYSIS & RISK ASSESSMENT

Establish a Planning Process / Public Involvement Process

Update Hazard Identification, Analysis and Risk Assessment

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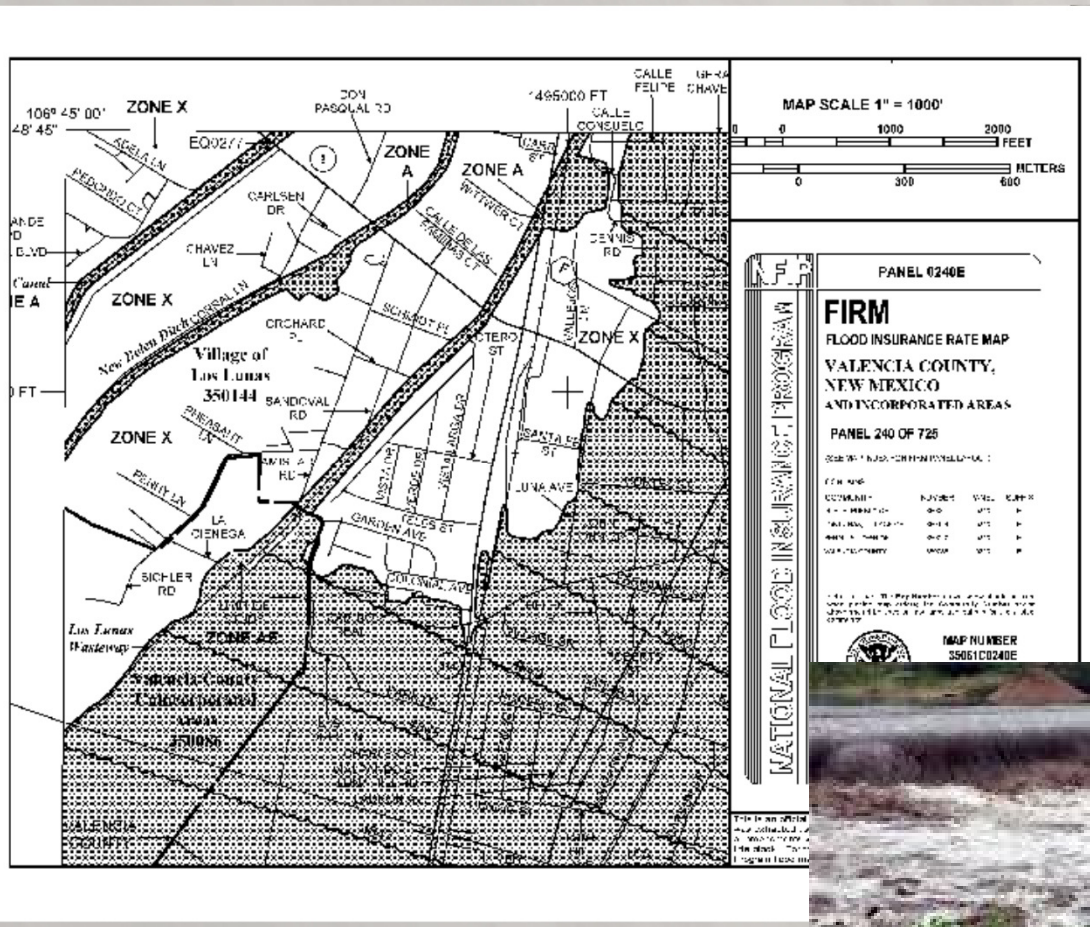
FLOODING



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HAZARD ID, ANALYSIS & RISK ASSESSMENT

- Flood Risk – portrayed two ways
  - Flood maps – flood damage may also occur outside mapped floodplain
  - Flood damage history
- Flood Characteristics-
- Three types of flooding: flash flood (particularly in steep sloped areas); riverine flooding and stormwater drainage issues.
  - Monsoon season increases flooding incidents

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HAZARD ID, ANALYSIS & RISK ASSESSMENT

- Wildfire Risk
- Wildfire Characteristics
  - Influenced by the following:
    - Density of vegetation – fuel load
    - Topography (steep slopes induce greater spread of fire)
    - Weather – wind, dry conditions

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HAZARD ID, ANALYSIS & RISK ASSESSMENT

- Drought Risk
  - Until recently, New Mexico had some of the highest levels of drought in the country

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Hazard Category	Hazard Type
Atmospheric	Extreme Heat
	High Wind including Dust Storms Thunderstorm (Hail/Lightning) Tornado Severe Winter Storms
Hydrologic	Drought Flood
Geologic	Earthquake Expansive Soils Land Subsidence Volcano Landslide
Other	Wildland/Urban Interface Fire Dam Failure

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CAPABILITY ASSESSMENT

Establish a Planning Process / Public Involvement Process

Update Hazard Identification, Analysis and Risk Assessment

Develop Capability Assessment/Update Vulnerability Assessment

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CAPABILITY ASSESSMENT

- Will evaluate the laws, regulations, policies, and programs related to hazard mitigation and development in hazard-prone areas
- Develop estimated impacts on Mitigation Core Capabilities for the natural hazards of concern

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CAPABILITY ASSESSMENT

- Will describe funding capabilities for hazard mitigation projects
- Will identify current and potential sources of federal, state, or private funding to implement mitigation activities

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MITIGATION STRATEGY

Establish a Planning Process / Public Involvement Process

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Update Mitigation Strategy – Alternative Measures & Implementation

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MITIGATION STRATEGY

- Link to Risk Assessment
- Mitigation for Existing Development / Infrastructure Protection / Natural Resource Protection
- Mitigation for Future Development
- Prioritize Actions/Implementation Assignments

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MITIGATION STRATEGY THEMES

- Employ Best practices
  - E.g., infrastructure protection (e.g., roads)
  - Use flood maps and best available data
  - Modify building codes for wildfire protection
  - Natural resource protection – sediment control and re-vegetation
- Where to put future development / building codes
- Where to invest in retrofitting

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MITIGATION STRATEGY

- Plan update will record Communities progress on projects listed in the last Plan

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MITIGATION STRATEGY

- Addressing the Risk of Existing Development will require Mitigation Project Actions. Some examples:
  - Elevation of structure
  - Acquisition/Demolition of structure in floodplain
  - Stormwater/Drainage Improvement
  - Reroof for wildfire mitigation

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MITIGATION STRATEGY

- Protecting Future Development
  - Development Restrictions (land use planning)
  - Comprehensive Planning/Capital Improvements
  - Building Codes

- For geographic-based hazards like flood and wildfire, location of development is very important
  - e.g., where possible, develop outside of mapped floodplain
  - Develop away from forested areas or the top of ridges

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MITIGATION STRATEGY

- Integration with Comprehensive Plans where there are overlapping objectives
  - Fire prevention plans
  - Development Plans
  - Evacuation Plans

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PLAN MONITORING AND EVALUATION

Establish a Planning Process / Public Involvement Process

Update Hazard Identification, Analysis and Risk Assessment

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Keep the Plan Current / Update and Implement It

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PLAN MONITORING AND EVALUATION

- Keep the planning process alive
- Evaluating its effectiveness
- How and when to update the plan
- Incorporate into Existing Planning Mechanisms
- Plan Implementation Schedule

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PROJECT MANAGEMENT

Project Schedule

Kickoff Meeting	February 27, 2014
Risk Assessment & Mitigation Action Meeting(s)	June 12th 2014 (tent.)
Draft plan review Meeting	Late July 2014
Plan to State for Review	August 2014
Plan to FEMA for approval	August 2014
Plan accepted pending adoption from FEMA	September 2014

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QUESTIONS?

THANK YOU!