South Central Regional Multi-Jurisdiction Hazard Mitigation Plan Update

Advisory Committee Meeting
June 21, 2017

AGENDA

• Introductions and Binders
• Project Introduction
• Planning Process in Detail
• Next Steps

PROJECT TEAM

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<th>SCRCOG</th>
<th>Jamie Caplan Consulting LLC</th>
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<td>Darrin Punchard</td>
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PROJECT INTRODUCTION

- Update for FEMA compliance
  - Reflect current development
  - Changes in capability
  - Mitigation project implementation
  - Updated data
- Add 4 Municipalities
  1. East Haven
  2. Guilford
  3. Milford
  4. New Haven
- 14 Municipalities – 1 Plan

MITIGATION AND MITIGATION PLANNING

- Hazard Mitigation
  - Any action taken to reduce or eliminate long-term risk to life and property from hazards.
- Mitigation Planning
  - Engage the community and key stakeholders
  - Assess hazard risks and mitigation capabilities
  - Identify mitigation actions that lead to long-term risk reduction
  - Implement and maintain the plan
- Hazard Mitigation Plans form the foundation for a community’s long-term strategy to reduce disaster losses and break the cycle of disaster damage, reconstruction, and repeated damage. The planning process is as important as the plan itself. It creates a framework for risk-based decision making to reduce damages to lives, property, and the economy from future disasters.

BENEFITS OF MITIGATION PLANNING

- Identify hazards and prioritize risk reduction efforts
- Increase public awareness of hazards
- Build partnerships between jurisdictions
- Align risk reduction with other community objectives
- Become eligible for State and Federal funding
- Speed recovery following disaster events
- Maximize credit points under the National Flood Insurance Program’s Community Rating System (CRS)
BENEFITS AND CHALLENGES OF PLAN UPDATE

• Regional plan achieves economies of scale.
• Including 14 municipality specifics is a challenge.
• Our solution
  – Confer with FEMA and CT Dept. of Emergency Services & Public Protection for their expectations.
  – Work with individual municipalities to gather data.
• Your thoughts...

TIMELINE

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PLANNING PROCESS IN DETAIL

Key Project Tasks:
1. Planning Process
2. Risk Assessment
3. Capability Assessment
4. Hazard Mitigation Strategy
5. Plan Maintenance Process
6. Adoption and Approval
ROLE OF THE ADVISORY COMMITTEE

- Help guide and inform plan development
- Attend 4 committee meetings
- Provide supporting data/information upon request
- Assist in the evaluation and prioritization of mitigation actions
- Review and comment on draft plan deliverables
- Approve final draft plan prior to submission to CT Dept. of Emergency Services & Public Protection and FEMA
- Public outreach and engagement – help spread the word!

PUBLIC OUTREACH AND STAKEHOLDER ENGAGEMENT

- To generate public interest, solicit citizen input, and engage additional partners in the plan development process
  - Advisory Committee
  - Municipality Meetings
  - Public Outreach
    - Project Fact Sheet
    - Public Meetings
    - Public Opinion Survey
    - Media Releases
- Public outreach and stakeholder engagement is essential to project success!

MUNICIPALITY MEETINGS PURPOSE

- Gather municipality specific data
  - Critical facility identification
  - Capability assessment information
  - New mitigation actions
- Advisory Committee member responsible for logistics
PUBLIC MEETINGS

- Education
- Ground-truthing
- FEMA requirements
- Support for future mitigation actions

PUBLIC SURVEY

RISK ASSESSMENT – 2014 APPROACH

- Approach in the 2014 Plan
  - Hazards were profiled from existing information, prior State hazard mitigation plan editions, and through workshops with the municipalities
  - HAZUS Version 2.1 (with 2000 Census data) was used to estimate losses for hurricane winds, floods, and earthquakes
  - National Climate Data Center (NCDC) database of events was used to estimate losses from other hazards such as severe thunderstorms and winter storms
  - Critical facilities, vulnerable populations, historic resources, and other community assets were described, mapped and included in the exposure analysis where possible
  - Specific “problem statements” were created for each jurisdiction
  - All of this information is useful and provides the foundation for the update

South Central Regional Multi-Jurisdiction
Hazard Mitigation Plan Update
RISK ASSESSMENT – ADDITIONAL ANALYSIS

• Approach for Additional Analysis in Updated Plan
  • The list of hazards will be the same
  • Hazard profiles will be similar but updated for new information
  • This SCRCOG plan update will allow for the first time consideration of risk profiles and loss estimates in the Connecticut Hazard Mitigation Plan Update (2014), which was a significant update relative to the 2010 edition of the Connecticut Hazard Mitigation Plan
    – DEMSH will at the very least require consistency

RISK ASSESSMENT – ADDITIONAL ANALYSIS

Approach for Additional Analysis in Updated Plan

• Consideration of changes associated with the new Flood Insurance Study (FIS) and FIRM for Quinnipiac River and south-central Connecticut

RISK ASSESSMENT – HAZUS

• Approach for Additional Analysis in Updated Plan
  – National Climate Data Center (NCDC) updated database of events
  – Updated lists of Repetitive Loss (RL) and Severe Repetitive Loss (SRL) properties
  – Consideration of the two disasters declared since the initial plan (2013 and 2015)
  – HAZUS Version 4.0 with 2010 Census Data
RISK ASSESSMENT – INCLUDING CURRENT PLANS

- Approach for Additional Analysis in Updated Plan
  - Climate Change Analysis results from State Water Plan (June 2017)
  - Sea level rise projections updated by NOAA (January 2017)
  - Narratives that describe specific coastal hazards in the following coastal resilience plans:
    - Guilford
    - Madison
    - Branford
    - Milford
    - West Haven

DATA COLLECTION WORKSHEET

CAPABILITY ASSESSMENT

- Purpose: To assess each municipality’s existing authorities, policies, programs, and resources available to support hazard mitigation efforts.
- Two primary components:
  - An inventory of municipality plans, regulations, programs, and activities already in place.
  - An analysis of each municipality’s capacity and resources to carry them out, and its ability to expand or enhance them for hazard mitigation purposes.
- Types of capabilities:
  - Planning and Regulatory
  - Administrative and Technical
  - Financial
  - Education and Outreach
  - National Flood Insurance Program and Community Rating System
**MITIGATION STRATEGY**

- Long-term blueprint for reducing the potential losses identified in the risk assessment.
- The strategy describes how the municipalities will accomplish the overall mission of the mitigation plan.
- Mission Statement
  - Reduce or eliminate risk to people and property from natural hazards.

**2014 Mitigation Plan Goals**

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<th>Goal Category</th>
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<td>Community Planning</td>
<td>1. Reduce the impact of natural hazards by integrating natural hazard mitigation policies and practices into local community planning.</td>
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<td>Floods</td>
<td>3. Minimize flood losses in the region by maintaining coastal compliance with the National Flood Insurance Program, adopting higher regulatory standards for new floodplain development, and implementing flood mitigation projects for existing flood-prone structures.</td>
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<td>Trees</td>
<td>2. Limit the impact of wild fires due to natural hazards by collaborating with electric utility companies and property owners (private and public) to cut flammable vegetation and remove hazardous trees that pose threats to buildings and other facilities.</td>
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<td>Regional Collaborations</td>
<td>4. Build capacity for natural hazard mitigation and climate adaptation at the local level through regional collaborations.</td>
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<td>Public Awareness and Preparedness</td>
<td>5. Increase public awareness and preparedness for natural hazards by implementing community-based public education programs across the region.</td>
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**WORK DONE TO DATE**

- Mitigation plan worksheets and mitigation plan progress report.
- Collect a current update.
- Review other plans that identify mitigation actions.
**MITIGATION ACTIONS**

1. Local Planning and Regulations
2. Structure and Infrastructure Projects
3. Natural Systems Protection
4. Education and Awareness Programs

**NEXT STEPS**

- Municipality Meetings
  - Schedule
  - Outreach to potential participants
- Next Advisory Committee Meeting

**THANK YOU**

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