Appendix D
Planning Team Meetings
The Department of Emergency Management is beginning work on a revision of the City and County of San Francisco Hazard Mitigation Plan, which was approved by FEMA in January 2009. By law, CCSF is required to revise the plan every five years. Having a FEMA-approved Hazard Mitigation Plan in place is what allows our city to receive pre- and post-disaster hazard mitigation grant funding, including flood mitigation and repetitive flood claim assistance.

As part of the Hazard Mitigation Plan revision process, DEM is assembling a Planning Group composed of representatives from key CCSF departments and other important stakeholders. Your department’s expertise and participation in the Planning Group is essential to revising the CCSF Hazard Mitigation Plan in a proper and timely way. Accordingly, we ask that you join our Planning Group and participate in the plan revision process. Our first meeting is scheduled for Wednesday, July 31, 2013, from 9:30-11:30 a.m., at 30 Van Ness, Suite 3300.

Expectations for the Hazard Mitigation Planning Group include:

- Attending at least three, two-hour meetings to be held during the months of July, August, and September.
- Reviewing and providing input on the existing plan.
- Providing data (e.g., GIS files) and other hazard- and mitigation-related information as needed.
- Developing strategies for mitigation projects related to your department for inclusion in the plan.
- Providing comments on the draft revised plan.

If you are not available to participate as a member of the Hazard Mitigation Planning Group, we ask that you identify a representative from your department who shares your knowledge and interest in hazard mitigation to join us in your place. If you will send an alternate, please let me know the name of that individual by the close of business on July 23, 2013.

Best regards, and thank you for your assistance and participation in this project, which is so important to the safety and resilience of our city.

Amy Ramirez
City and County of San Francisco Hazard Mitigation Plan Revision Planning Team Kickoff Meeting
30 Van Ness Avenue, Suite 3300
July 31, 2013, 9:30 - 11:30 AM

Welcome and Introductions (10 minutes)

Purpose of Hazard Mitigation Planning (10 minutes)
  o What is hazard mitigation?
  o Why do we need a local hazard mitigation plan?
  o Current plan status

Purpose of Planning Process and Planning Team (10 minutes)
  o Overall purpose
  o Outcomes we seek
  o Steps in the planning process

CCSF Hazard Mitigation Plan (HMP) Requirements (30 minutes)
  o Code of Federal Regulations plan requirements
  o Revision requirements
  o FEMA Review of 2009 HMP

Hazards Analysis Review (10 minutes)
  o Hazards covered in 2009 HMP
  o Additional hazards to be addressed

Planning Schedule -- Roles and Responsibilities (30 minutes)
  o Expectations for Planning Team members
  o Meeting and plan revision schedule
  o Department roles and responsibilities
  o Confirm schedule and roles

Questions (10 minutes)

Next steps (10 minutes)
  o Next meeting
  o Assignments for next meeting
  o Action items
MEETING AGENDA

- Welcome and Introductions
- Overview: Hazard Mitigation Planning
- Planning Team and Planning Process
- Hazard Mitigation Plan Requirements
- Hazards Analysis Review
- Responsibilities and Schedule
- Questions
- Next steps

OVERVIEW: HAZARD MITIGATION PLANNING

- What is hazard mitigation?
- Why do we need a local hazard mitigation plan?
- Current CCSF Hazard Mitigation Plan status
OVERVIEW: HAZARD MITIGATION PLANNING

What is hazard mitigation?
"any sustained action taken to reduce or eliminate the long-term risk to human life and property from hazards"

44 Code of Federal Regulations (CFR) § 201.2

July 31, 2013 CCSF Hazard Mitigation Plan Revision

OVERVIEW: HAZARD MITIGATION PLANNING

Examples of mitigation:
- Retrofitting a public building to protect it from earthquake damage.
- Elevating a structure to reduce the likelihood of flood damage.

July 31, 2013 CCSF Hazard Mitigation Plan Revision

OVERVIEW: HAZARD MITIGATION PLANNING

Primary ways communities can mitigate hazards:
- Reduce risk to future development through location (planning), better codes, and implementation and enforcement of codes.
- Take steps to protect existing development.

July 31, 2013 CCSF Hazard Mitigation Plan Revision
OVERVIEW: HAZARD MITIGATION PLANNING

Why do we need a local hazard mitigation plan?
- Local governments have a responsibility to protect the health, safety, and welfare of their people.
- Proactive mitigation efforts help reduce risk and create safer, more disaster-resilient communities.
- Mitigation is an investment in San Francisco's future safety and sustainability.

July 1, 2013  CCSF Hazard Mitigation Plan Revision

OVERVIEW: HAZARD MITIGATION PLANNING

Why do we need a local hazard mitigation plan?
Federal law requires local governments to prepare and adopt local hazard mitigation plans (LHMPs) in order to receive federal mitigation grant funding.

44 CFR § 201.3(d)(1)

July 1, 2013  CCSF Hazard Mitigation Plan Revision

OVERVIEW: HAZARD MITIGATION PLANNING

Federal Grants Tied to LHMPs
- Pre-Disaster Mitigation (PDM) – funds for hazard mitigation planning and for implementing mitigation projects before disaster.
- Hazard Mitigation Grant Program (HMGP) – funds to implement long-term hazard mitigation measures after Presidential disaster declaration.
- Flood Mitigation Assistance (FMA) – funds to reduce or eliminate risk of flood damage to buildings insured under the National Flood Insurance Program (NFIP).
- Severe Repetitive Loss (SRL) – funds to reduce or eliminate long-term risk of flood damage to severe repetitive loss structures insured under the NFIP.

July 1, 2013  CCSF Hazard Mitigation Plan Revision
OVERVIEW: HAZARD MITIGATION PLANNING

CCSF’s Hazard Mitigation Plan:
✓ Represents CCSF’s commitment to reduce risks from natural and human-made hazards.
✓ Serves as a guide for decision-makers in committing resources to reduce the effects of hazards.
✓ Serves as a basis for the State to provide technical assistance and to prioritize grant project funding.

July 31, 2013
CCSF Hazard Mitigation Plan Revision

OVERVIEW: HAZARD MITIGATION PLANNING

Current CCSF Hazard Mitigation Plan Status
✓ Current HMP approved by FEMA on January 9, 2009.
✓ The CFR requires that plans be revised and submitted to FEMA for approval every five years.
✓ Our current plan expires on January 9, 2014.

July 31, 2013
CCSF Hazard Mitigation Plan Revision

THE PLANNING TEAM & PLANNING PROCESS

✓ What is a Hazard Mitigation Planning Team?
✓ Who Should Serve?
✓ What Are Our Goals?
✓ Mission statement?
THE PLANNING TEAM & PLANNING PROCESS

What:
The Hazard Mitigation Planning Team is the core group of people responsible for:
- Reviewing and revising drafts of CCSF's Hazard Mitigation Plan,
- Deciding on our mitigation strategy, and
- Submitting the plan for FEMA approval and local adoption.

Who:
The Planning Team should be composed of representatives from each partner organization who have:
- The knowledge and expertise to revise our CCSF Hazard Mitigation Plan, **AND**
- The authority to implement the mitigation strategy developed through the planning process.

Is anyone missing who should be invited to join?

Our Immediate Goals:
- To work together to revise CCSF's current Hazard Mitigation Plan.
- To obtain state and FEMA approval of our revised plan.
- To implement the revised plan, monitor its impact, and prepare for future revision.
THE PLANNING TEAM & PLANNING PROCESS

Steps in the Hazard Mitigation Planning process:
- Hazard identification
- Vulnerability analysis
- Defining a hazard mitigation strategy
- Implementing hazard mitigation activities and projects

HAZARD MITIGATION PLAN (HMP) REQUIREMENTS

- Revision Requirements
- Overall Plan Requirements
- FEMA Review of 2009 CCSF Hazard Mitigation Plan

HAZARD MITIGATION PLAN (HMP) REQUIREMENTS

Federal Revision Requirements
The revised plan should reflect:
- Changes in development.
- Progress in local mitigation efforts.
- Changes in priorities.
HAZARD MITIGATION PLAN (HMP) REQUIREMENTS

Document Planning Process
- How the plan was prepared, and who was involved.
- Opportunity for neighboring communities, local and regional agencies involved in hazard mitigation, agencies authorized to regulate development, and others to be involved in the planning process.
- How the public was involved during the drafting stage, and will continue to be involved in plan maintenance.
- Incorporation of existing plans, studies, reports, and technical information.
- Method and schedule for keeping the plan current.

HAZARD MITIGATION PLAN (HMP) REQUIREMENTS

Hazard Identification and Risk Assessment
- Describe the type, location, and extent of all natural hazards affecting CCSF.
- Include information on previous hazard events and the probability of future hazard events.
- Describe the impact of each identified hazard on CCSF, and an overall summary of CCSF's vulnerability.
- Address NFIP-insured structures repetitively damaged by floods.

HAZARD MITIGATION PLAN (HMP) REQUIREMENTS

Document the Mitigation Strategy
- Existing authorities, policies, programs, resources, and ability to expand and improve existing policies and programs.
- CCSF's participation in and continued compliance with NFIP.
- Goals to reduce or avoid long-term vulnerabilities to identified hazards.
- Comprehensive, specific mitigation actions to reduce the effect of hazards, emphasizing buildings and infrastructure.
- Action plan showing how identified actions will be prioritized, implemented, and administered.
- Process for integrating the mitigation plan into other planning mechanisms as appropriate.
HAZARD MITIGATION PLAN (HMP) REQUIREMENTS

Plan Adoption
✦ Include documentation that the plan has been formally adopted by CCSF's governing body.

HAZARD MITIGATION PLAN (HMP) REQUIREMENTS

FEMA Review of 2009 CCSF HMP
✦ Include all CCSF-owned facilities in the HMP, even if outside CCSF boundaries. Examples mentioned in 2009 HMP:
  □ SFO
  □ County Jail #5 - San Bruno Complex
  □ Water treatment plants
  □ Hatch Hatchy system
✦ Address impact of floods and earthquakes on assets identified in the plan; present as a dollar value or percentage of damage.
✦ Provide more realistic damage estimates by including additional relevant information on types of structures vulnerable to each hazard, and the value of each building.

HAZARD MITIGATION PLAN (HMP) REQUIREMENTS

FEMA Review of 2009 CCSF HMP (continued)
✦ Include additional information on the prioritization method used to develop the mitigation strategy, and discussion of future evaluation, modification, replication.
✦ Increase public outreach efforts during the planning process.
HAZARD ANALYSIS REVIEW

- Hazards Covered in 2009 Hazard Mitigation Plan (HMP)
- Additional Hazards to be Addressed

HAZARD ANALYSIS REVIEW

Hazards covered in 2009 HMP:
- Seismic:
  - Ground shaking
  - Ground failure (landslide and liquefaction)
  - Tsunami
- Weather-related:
  - Drought
  - Flood
  - Heat
  - Wildfire
  - Wind
- Other hazards:
  - Reservoir failure
  - Urban conflagration
  - Human-caused (hazardous material, WMD, energy supply, and terrorism)

HAZARD ANALYSIS REVIEW

Additional hazards to address:
- Climate change?
- Pandemic?
- Others not mentioned?
Responsibilities and Schedule

- Expectations for Planning Team members
- Meeting and plan revision schedule
- Confirm roles

Responsibilities and Schedule

Expectations for Planning Team Members
- Attend at least three two-hour meetings to be held in August and September.
- Review and provide input on the existing plan.
- Provide updated asset information, data, and other hazard- and mitigation-related information as appropriate.
- Develop mitigation strategies for projects related to your organization.
- Provide comments on drafts of the revised plan.

Meeting and Plan Revision Schedule
RESPONSIBILITIES AND SCHEDULE

Roles and Responsibilities

- Identify hazards and risks
- Conduct assessments
- Develop mitigation plans
- Implement mitigation measures
- Monitor and evaluate effectiveness

- Coordinate with local, state, and federal agencies
- Communicate with the public
- Update plans as necessary

July 31, 2013

QUESTIONS

- What are the key elements of the mitigation plan?
- How will the plan be funded?
- What are the expected outcomes?

July 31, 2013

NEXT STEPS

- Next meeting: August 28, 2013
- Assignments for next meeting
- Action items

July 31, 2013
THANK YOU
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<tr>
<th>Name</th>
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## CCSF Hazard Mitigation Plan Revision
### Planning Team Kickoff Meeting
**July 31, 2013**
**Sign-In Sheet**

**Department of Emergency Management**
30 Van Ness Suite 3300, San Francisco, CA 94102

<table>
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CCSF Hazard Mitigation Plan
2014 REVISION ASSIGNMENTS

All Departments

☐ Vulnerability (44 CFR § 201.6(c)(2)(ii)):
  o Provide an updated list of the type and number of existing and future buildings,
    infrastructure, and critical facilities owned by CCSF. (Asset Inventory – Appendix F)
  o Provide a current estimate of dollar values of structures identified above.

☐ Mitigation strategy:
  o Review 2009 HMP mitigation strategy and provide an update on current, ongoing, and
    completed hazard mitigation programs. (HMP Table 7-4 and Section 8)
  o Assist in identifying additional, comprehensive range of specific mitigation actions and
    projects to reduce the effects of identified hazards, with particular emphasis on new and
    existing buildings and infrastructure. (HMP Section 8.2) (44 CFR § 201.6(c)(3)(ii))
  o Assist in developing an action plan describing how specific mitigation actions identified
    above will be prioritized, implemented, and administered by CCSF. (HMP Section 8.3) (44
    CFR § 201.6(c)(3)(iii))

Capital Planning Program

☐ Vulnerability:
  o Provide a general description of land uses and development trends within the CCSF
    planning area, for purposes of considering mitigation options in future land use decisions.
    (44 CFR § 201.6(c)(2)(ii)(C))
  o Assist in providing an updated estimate of the potential dollar losses to vulnerable
    structures identified in hazard areas, and a description of the methodology used to
    prepare the estimate. (44 CFR § 201.6(c)(2)(ii)(B))

☐ Revise Capability Assessment (HMP Section 7, Tables 7-1 – 7-3) regarding planning issues,
  using Capability Assessment Worksheet (4.1) as a “tickler.” (44 CFR § 201.6(b)(3))

☐ Mitigation strategy:
  o Provide assistance in creating a prioritization of potential mitigation actions being
    considered according to a cost benefit review of the proposed projects and their
    associated costs. (44 CFR § 201.6(c)(3)(iii))
  o Complete Safe Growth Audit Worksheet (4.2).

☐ Plan maintenance:
  o Review and update language in plan regarding how to best incorporate the requirements
    of the mitigation plan into other planning mechanisms such as comprehensive or capital
    improvement plans, as appropriate. (44 CFR § 201.6(c)(5))
  o Assist with ensuring CCSF incorporates mitigation plan requirements into other planning
    mechanisms such as comprehensive or capital improvement plans, when appropriate.
    (44 CFR § 201.6(c)(5))
DBI
- Revise Capability Assessment (HMP Section 7, Tables 7-1 – 7-3) regarding building code, permitting, and inspections, using Capability Assessment Worksheet (4.1) as a “tickler.” (44 CFR § 201.6(b)(3))

Planning Department
- Vulnerability:
  - Provide a general description of land uses and development trends within the CCSF planning area, for purposes of considering mitigation options in future land use decisions. (44 CFR § 201.6(c)(2)(ii)(C))
  - Provide an updated estimate of the potential dollar losses to vulnerable structures identified in hazard areas, and a description of the methodology used to prepare the estimate. (44 CFR § 201.6(c)(2)(ii)(B))
- Revise Capability Assessment (HMP Section 7, Tables 7-1 – 7-3) regarding planning issues, using Capability Assessment Worksheet (4.1) as a “tickler.” (44 CFR § 201.6(b)(3))
- Mitigation strategy:
  - Provide assistance in creating a prioritization of potential mitigation actions being considered according to a cost benefit review of the proposed projects and their associated costs. (44 CFR § 201.6(c)(3)(iii))
  - Complete Safe Growth Audit Worksheet (4.2).
- Plan maintenance:
  - Review and update language in plan regarding how to best incorporate the requirements of the mitigation plan into other planning mechanisms such as comprehensive or capital improvement plans, as appropriate. (44 CFR § 201.6(c)(5))
  - Assist with ensuring CCSF incorporates mitigation plan requirements into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate. (44 CFR § 201.6(c)(5))

Risk Management
- Vulnerability (HMP Section 6): Address any National Flood Insurance Plan (NFIP)-insured structures within CCSF that have been repetitively damaged by floods. (44 CFR § 201.6(c)(2)(iii))
- Mitigation strategy (HMP Section 8): Provide a written description of CCSF’s participation in the NFIP, including description of (44 CFR § 201.6(c)(3)(iii)):
  - History of CCSF joining NFIP in 2010.
  - CCSF’s floodplain management program.
  - How CCSF will continue to comply with NFIP requirements.
- Complete National Flood Insurance Program (NFIP) Worksheet (4.3).
- Revise Capability Assessment (HMP Section 7, Tables 7-1 – 7-3) regarding NFIP, using Capability Assessment Worksheet (4.1) as a “tickler.” (44 CFR § 201.6(b)(3))
DEM Planning

☐ Planning Process (HMP Section 4):
  o Ensure proper documentation of the planning process used to develop the plan, including how it was prepared, who was involved in the process, and how the public was involved. (44 CFR § 201.6(c)(1))

☐ Capability Assessment (HMP Section 7):
  o Oversee revision of Capability Assessment using Capability Assessment Worksheet (4.1) as a “tickler.”

☐ Risk assessment (HMP Sections 5 - 7):
  o Ensure risk assessment provides (44 CFR § 201.6(c)(2)):
    • Sufficient information to enable CCSF to identify and prioritize appropriate mitigation actions to reduce losses from identified hazards.
    • Factual basis for activities proposed in the mitigation strategy to reduce losses from identified hazards.
  o Revise current HMP language to reflect updated hazard information about each hazard affecting CCSF planning area.
  o Create or oversee creation of maps showing discernible areas affected by each hazard, as applicable.
  o Provide an updated, CCSF planning area-specific (including all CCSF-owned assets) risk assessment that includes (44 CFR § 201.6(c)(2)):
    • Description of the type, location, and extent of all natural and human-made hazards that can affect the planning area, with information on:
      ▪ Previous occurrences of hazard events; and
      ▪ The probability of future hazard events.
    • Description of CCSF planning area's vulnerability to the hazards identified above, including:
      ▪ An overall summary of each hazard and its impact on the community.
      ▪ NFIP-insured structures that have been repetitively damaged by floods.
    • Description of vulnerability in terms of:
      ▪ The types and numbers of existing and future buildings, infrastructure, and critical facilities located in the identified hazard areas;
      ▪ An estimate of the potential dollar losses to vulnerable structures identified as existing and future buildings, infrastructure, and critical facilities, and a description of the methodology used to prepare the estimate.

☐ Plan maintenance process (HMP Section 9) (44 CFR § 201.6(c)(4)):
  o Review existing maintenance plan.
  o Update to ensure it includes:
    • A section describing the method and schedule of monitoring, evaluating, and updating the plan within a five-year cycle.
• A process by which CCSF departments incorporate the requirements of the mitigation plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate.

• Discussion of how CCSF will continue public participation in the plan maintenance process.

☐ Plan Adoption (HMP Section 2.1, Appendix B):
  o Assist in preparing resolution for Board of Supervisors and Mayor to approve showing CCSF adoption of the plan.
  o Obtain documentation that the plan has been formally adopted by CCSF’s governing body (e.g., Board of Supervisors and Mayor). (44 CFR § 201.6(c)(5))

DEM Public-Stakeholder Outreach Team

☐ Review existing HMP public outreach section (HMP Section 4.3, 9.3), and FEMA 2008 Plan Review regarding public-stakeholder outreach.

☐ Assist DEM Planning Team in developing an outreach plan that provides a more comprehensive approach to reducing the effects of natural disasters, including (44 CFR § 201.6(b)(1), (2)):
  o An opportunity for the public to comment on the plan during the drafting stage and prior to plan approval; and
  o An opportunity for the following groups to be involved in the planning process:
    • Neighboring communities;
    • Regional agencies involved in hazard mitigation activities;
    • Agencies that have the authority to regulate development;
    • Businesses;
    • Academia;
    • Other private and non-profit interests.
  o Opportunities for continued input into the plan after adoption. (HMP Section 9.3)
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<th>DELIVERABLES</th>
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| Planning Team Kickoff Meeting  
- Introduction to hazard mitigation planning  
- CFR and FEMA HMP requirements  
- Existing plan scope and hazards  
- Planning schedule  
- Roles and responsibilities | • Review 2009 HMP  
• Review and update 2009 HMP Asset Information (App. F)  
• Update Capability Assessment  
• Develop Stakeholder/Public Outreach Plan  
• NFIP Worksheet Information | • All depts.  
• All depts.  
• Planning/CPP/Risk Management/DBI/DEM  
• DEM - Outreach  
• Risk Management | By August 21  
By August 21  
By August 21  
By August 27  
By August 27 | • Confirmed planning schedule  
• Confirmed roles and responsibilities  
• Identify City-owned assets outside CCSF |
| Planning Team Meeting #2  
- Review updated Hazard Assessment  
- Review updated Asset Information lists  
- Review updated Capability Assessment  
- Review Stakeholder and Public Outreach Plan | • Review 2009 HMP mitigation action plan  
• Review updated 2011 draft mitigation action plan  
• Complete Mitigation Action Progress Report Form (Worksheet 7.1) | All depts. | August 28 | • Confirmed Stakeholder and Public Outreach plan  
• Updated Asset Information lists  
• Updated Capability Assessment  
• NFIP Worksheet information |
| Stakeholder and Public Feedback on hazard assessment and preferred mitigation strategies | | DEM - Outreach | September 2 – September 23 | |
| Planning Team Meeting #3  
- Review updated draft risk assessment  
- Discuss 2009 – 2011 mitigation action plan  
- Complete Mitigation Action Evaluation Worksheets  
- Review implementation strategy | • Review e-copy of draft revised plan (to be shared as soon as possible after Meeting #3)  
• Complete Safe Growth Audit Information | Planning Team | September 11 | • Confirmed mitigation action list and prioritization criteria  
• Confirmed implementation strategy |
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| Planning Team Meeting #4  
- Review plan maintenance strategy  
- Review and provide feedback on draft revised plan  
Incorporate changes and finalize draft plan for submission to Cal OES/FEMA Region IX Concurrent review:  
- Submit draft revised plan to Cal OES SHMO for review (SHMO forwards to FEMA Region IX)  
- 30-day Stakeholder and Public comment on draft revised plan  
FEMA Region IX Review and Approval Pending Adoption  
Final Draft:  
- Incorporate FEMA, stakeholder, and public feedback  
- Prepare final draft for CCSF adoption  
Submit Final Plan to Board of Supervisors and Mayor for adoption  
Provide final, CCSF-adopted plan to FEMA for formal approval | | | | |
CCSF SCHEDULE OF TASKS -- HAZARD MITIGATION PLAN REVISION

- Organize Resources and Convene Planning Team
- Create Outreach Strategy
- Review Community Capabilities
- Conduct Risk Assessment
- Identify Mitigation Goals and Actions
- Develop Action Plan for Implementation
- Identify Plan Maintenance Procedures
- Review Final Draft
- Submit Plan to Cal OES & FEMA
- CCSF Adoption of APA Plan
- Meetings
- Planning Team
- Sub-Teams
- Outreach Team
- Stakeholder Outreach
- Public Outreach
## Acronyms and Abbreviations

<table>
<thead>
<tr>
<th>Acronym</th>
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<tr>
<td>2009 HMP</td>
<td>2008 San Francisco Hazard Mitigation Plan (approved in 2009)</td>
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<tr>
<td>ABAG</td>
<td>Association of Bay Area Governments</td>
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<tr>
<td>CBRNE</td>
<td>Chemical, biological, radiological, and nuclear, explosive</td>
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<td>CCSF</td>
<td>City and County of San Francisco</td>
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<td>CFR</td>
<td>Code of Federal Regulations</td>
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<td>CGS</td>
<td>California Geological Survey</td>
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<td>CIP</td>
<td>Capital Planning Program</td>
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<td>DBI</td>
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<td>DEM</td>
<td>Department of Emergency Management</td>
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<td>DMA 2000</td>
<td>Disaster Mitigation Act of 2000</td>
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<td>DPW</td>
<td>Department of Public Works</td>
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<td>ERP</td>
<td>Emergency Response Plan</td>
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<td>FEMA</td>
<td>Federal Emergency Management Agency</td>
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<td>FIRM</td>
<td>Flood Insurance Rate Map</td>
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<td>FMA</td>
<td>Flood Mitigation Assistance (grant program)</td>
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<td>FY</td>
<td>fiscal year</td>
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<td>GIS</td>
<td>Geographic Information System</td>
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<td>GP</td>
<td>General Plan</td>
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<td>HMGP</td>
<td>Hazard Mitigation Grant Program</td>
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<td>HMP</td>
<td>Hazard Mitigation Plan</td>
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<td>M</td>
<td>magnitude</td>
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<td>MM</td>
<td>modified Mercalli</td>
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<td>MUNI</td>
<td>San Francisco Municipal Railway</td>
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<td>NFIP</td>
<td>National Flood Insurance Program</td>
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<td>OES</td>
<td>California Governor’s Office of Emergency Services</td>
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<td>PDM</td>
<td>pre-disaster mitigation</td>
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<td>POC</td>
<td>Point of Contact</td>
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<td>RFC</td>
<td>repetitive flood claims</td>
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<td>RL</td>
<td>Repetitive Loss</td>
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<td>SFGIS</td>
<td>San Francisco Enterprise GIS</td>
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<td>SFHA</td>
<td>Special Flood Hazard Area</td>
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<td>San Francisco Public Utilities Commission</td>
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<td>SOMA</td>
<td>South of Market</td>
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<td>Stafford Act</td>
<td>Robert T. Stafford Disaster Relief and Emergency Assistance Act</td>
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<tr>
<td>STAPLEE</td>
<td>social, technical, administrative, political, legal, economic, and Environmental (criteria for assessing potential mitigation strategies)</td>
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<td>UMB</td>
<td>unreinforced masonry building</td>
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<td>URS</td>
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USC  United States Code
USGS  United States Geological Survey
WMD  Weapon of Mass Destruction
City and County of San Francisco Hazard Mitigation Plan Revision
Planning Team Meeting 2

30 Van Ness Avenue, Suite 3300
August 28, 2013, 10:00 AM – 12:00 PM

Welcome and Introductions (5 minutes)

Planning Process Update (5 minutes)

Review:

- Updated Asset Information lists (10 minutes)
- Updated Hazard Analysis (20 minutes)
- Updated Capability Assessment (15 minutes)

Vulnerability Analysis Requirements (15 minutes)

Proposed Stakeholder and Public Outreach Plan (15 minutes)

Next steps (10 minutes)

- Assignments for next meeting
- Action items
- Next meeting

Questions (5 minutes)
MEETING AGENDA

- Welcome and Introductions
- Planning Process Update
- Review:
  - Updated Asset List
  - Updated Hazard Analysis
  - Updated Capability Assessment
- Vulnerability Analysis Requirement
- Proposed Outreach Plan
- Next steps
- Questions

PLANNING PROCESS UPDATE

- Outreach to additional Planning Team members
- Working to gather input on:
  - Capability Assessments
  - Hazard Analysis
- Updating Asset list
- Developed Outreach Plan
FEMA Review of 2009 HMP:

Provide additional relevant information on types of structures, exposure to each hazard and value of each building to arrive at more realistic damage estimates.

Recommendations for updated list:
- Calculate replacement value: sq/ft by $5 (present in public version as range)
- Add structure type – ideas?
- Collect street addresses but remove from public version
- Add assets outside of CCSF based on Planning Area criteria

Proposed criteria for Planning Area
A facility or infrastructure is significant for hazard mitigation planning purposes if:
- The facility or infrastructure is essential to CCSF's ability to respond to or recover from a disaster;
- Loss of the facility or infrastructure would significantly impact CCSF's ability to respond to or recover from a disaster; or
- The cost of replacing or repairing the facility or infrastructure in the event that it is damaged in a disaster would have a serious impact on CCSF's financial resources.
ASSET LIST

Next Steps:
- Review your department's assets for accuracy.
- Add structure type (wood-frame, masonry, etc) [TBD]
- Due to Edie by COB September 6th

HAZARD ANALYSIS (Section 5.1)

Review new/updated content for the following hazards:
- Pandemic
- Climate Change [need New Hazard Wksh]
- Flood [in progress]
- Terrorism [in progress]
- Winter Storms [in progress]
- Wildfire [in progress]

Due to Edie by COB September 6th

HAZARD ANALYSIS (Section 5.1)

Additional:
- Erosion?

Hazard Analysis Next Step:
- Edie will work on the Hazard Profile detailing hazard, probability, location
CAPABILITY ASSESSMENT [Sect. 7.1-7.3]

Identifies the human, technical, financial, & other resources CCSF will utilize to implement the HMP.

- Review your department's listed capabilities
- Review the highlighted sections for changes needed / id. POC
- Additional capabilities not included?
- Due to Edie by COB September 6th

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VULNERABILITY ANALYSIS (Sect. 6)

FEMA Review of 2009 CCSF HMP:

- Address impact of floods and earthquakes on assets identified in the plan; present as a dollar value or percentage of damage.
- Utilize a methodology that describes the potential dollar losses in terms more refined than 100% loss which given the mitigation that has already taken place in SF, should not prove to be true.

We can use the CPP seismic review of 212 high-priority buildings, but what about the rest?

---

STAKEHOLDER & PUBLIC OUTREACH

Code of Federal Regulations Requirements include:

- The planning process must include opportunity for:
  - The public to comment on the plan during the drafting stage and prior to plan approval;
  - Neighboring communities; local and regional agencies involved in hazard mitigation activities; agencies with authority to regulate development; and businesses, academia, and other private and non-profit interests to be involved in the planning process.

- Plan maintenance process must discuss how the community will continue public participation in the plan process.
FEMA Review of 2009 HMP Public - Stakeholder Outreach Efforts

Review and Seek Feedback on Hazard Mitigation Plan Outreach Strategy

Review Stakeholder Convening Attendee List, Agenda & Date

Set up Feedback mechanism with HMP Planning Committee
ASSIGNMENTS FOR NEXT MEETING

Meeting and Plan Revision Schedule

August 28, 2013

ASSIGNMENTS FOR NEXT MEETING

Roles and Responsibilities

August 28, 2013

NEXT STEPS

❖ New Action items

❖ Next meeting:
  September 12

August 28, 2013
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<tr>
<td>Planning Team Kickoff Meeting planning, introduction to hazard mitigation, planning, &amp; FEMA HMP planning requirements</td>
<td>Review 2009 HMP, review update 2009 HMP, Asset Information (App. F), update Capability Assessment, develop Stakeholder/Public Outreach Plan, NFI Report Information</td>
<td>• Confirmed planning schedule, confirmed roles and responsibilities, identify City-owned assets, outside CSF</td>
<td>By August 21</td>
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<tr>
<td>Planning Team Meeting #2, review updated hazard assessment, update capability assessment, review updated Asset Information lists, Review Stakeholder and Public Outreach Plan</td>
<td>NFI Report Information</td>
<td>• Confirmed Stakeholder and Public Outreach plan, updated Asset Information lists, updated Capability Assessment, NFI Report Information</td>
<td>By August 21</td>
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<tr>
<td>Planning Team Meeting #3, stakeholder and public feedback on hazard assessment and preferred mitigation strategies, review updated draft risk assessment, discuss 2009-2011 mitigation action plan, complete Mitigation Action Evaluation Worksheets, review implementation strategy</td>
<td>NFI Report Information</td>
<td>• Confirmed mitigation action list and prioritization criteria strategy</td>
<td>September 2-12</td>
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<td>Planning Team Meeting #4, review e-copy of draft revised plan (to be shared as soon as possible after Meeting #3), complete Safe Growth Audit Information</td>
<td>NFI Report Information</td>
<td>• Confirmed implementation strategy</td>
<td>September 12</td>
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<td>Planning Team Meeting #4</td>
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<td>Planning Team</td>
<td>September 26</td>
<td>Confirmed revised draft HMP</td>
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<td>• Review plan maintenance strategy</td>
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<td>• Review and provide feedback on draft revised plan</td>
<td></td>
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<tr>
<td>Incorporate changes and finalize draft plan for submission to Cal OES/FEMA Region IX</td>
<td></td>
<td>DEM</td>
<td>By October 7</td>
<td>Plan ready for submission to Cal OES/FEMA</td>
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<td>Concurrent review:</td>
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<td>DEM</td>
<td>Week of October 7, 2013</td>
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<td>• Submit draft revised plan to Cal OES SHMO for review (SHMO forwards to FEMA Region IX)</td>
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<td>• 30-day Stakeholder and Public comment on draft revised plan</td>
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<td>FEMA Region IX Review and Approval Pending Adoption</td>
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<td>Minimum of 45 days from date of Cal OES submission to FEMA</td>
<td>Plan &quot;Approved Pending Adoption&quot; by CCSF</td>
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<td>Final Draft:</td>
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<td>Allow at least 10 days</td>
<td>Plan ready for submission to CCSF Board of Supervisors and Mayor</td>
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<td>• Incorporate FEMA, stakeholder, and public feedback</td>
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<td>• Prepare final draft for CCSF adoption</td>
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<tr>
<td>Submit Final Plan to Board of Supervisors and Mayor for adoption</td>
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<td>Allow at least 35 days</td>
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<td>Plan adopted by CCSF and ready for FEMA final approval</td>
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<tr>
<td>Provide final, CCSF-adopted plan to FEMA for formal approval</td>
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<td>ASAP after CCSF adoption</td>
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<td>Final approval of Plan by FEMA</td>
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CCSF HAZARD MITIGATION PLAN 2014 REVISION ASSIGNMENTS

All Departments

☐ Vulnerability (44 CFR § 201.6(c)(2)(ii)):
  o General Fund Departments:
    • Review list of CCSF-owned assets provided by Real Estate (John Updike), and update the list.
      • Include the type and number of existing and future buildings, infrastructure, and critical facilities. (See also 2009 HMP Appendix F - Asset Inventory)
      • Provide a current estimated dollar value of structures identified in the list.
    • Review the list of critical (prioritized) facilities provided by Capitol Planning Program (Brian Strong), and update the list. (See also 2009 HMP Appendix F - Asset Inventory)
  o Enterprise Fund Departments:
    • Review list of CCSF-owned assets in 2009 HMP Appendix F - Asset Inventory, and update the list for your department’s holdings.
      • Include the type and number of existing and future buildings, infrastructure, and critical facilities.
      • Provide a current estimated dollar value of structures identified in the list.

☐ Mitigation strategy:
  o Review 2009 HMP mitigation strategy and provide an update on current, ongoing, and completed hazard mitigation programs. (HMP Table 7-4 and Section 8)
  o Assist in identifying additional, comprehensive range of specific mitigation actions and projects to reduce the effects of identified hazards, with particular emphasis on new and existing buildings and infrastructure. (HMP Section 8.2) (44 CFR § 201.6(c)(3)(ii))
  o Assist in developing an action plan describing how specific mitigation actions identified above will be prioritized, implemented, and administered by CCSF. (HMP Section 8.3) (44 CFR § 201.6(c)(3)(iii))

Capital Planning Program

☐ Vulnerability:
  o Assist in providing an updated estimate of the potential dollar losses to vulnerable structures identified in hazard areas, and a description of the methodology used to prepare the estimate. (44 CFR § 201.6(c)(2)(ii)(B))

☐ Revise Capability Assessment (HMP Section 7, Tables 7-1 – 7-3) regarding planning issues, using Capability Assessment Worksheet (4.1) as a “tickler.” (44 CFR § 201.6(b)(3))

☐ Mitigation strategy:
  o Provide assistance in creating a prioritization of potential mitigation actions being considered according to a cost benefit review of the proposed projects and their associated costs. (44 CFR § 201.6(c)(3)(iii))
  o Complete Safe Growth Audit Worksheet (4.2).

☐ Plan maintenance:
CCSF HAZARD MITIGATION PLAN 2014 REVISION ASSIGNMENTS

- Review and update language in plan regarding how to best incorporate the requirements of the mitigation plan into other planning mechanisms such as comprehensive or capital improvement plans, as appropriate. (44 CFR § 201.6(c)(5))

- Assist with ensuring CCSF incorporates mitigation plan requirements into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate. (44 CFR § 201.6(c)(5))

DBI

- Revise Capability Assessment (HMP Section 7, Tables 7-1 – 7-3) regarding building code, permitting, and inspections, using Capability Assessment Worksheet (4.1) as a “tickler.” (44 CFR § 201.6(b)(3))

Planning Department

- Vulnerability:
  - Provide a general description of land uses and development trends within the CCSF planning area, for purposes of considering mitigation options in future land use decisions. (44 CFR § 201.6(c)(2)(ii)(C))

- Revise Capability Assessment (HMP Section 7, Tables 7-1 – 7-3) regarding planning issues, using Capability Assessment Worksheet (4.1) as a “tickler.” (44 CFR § 201.6(b)(3))

- Mitigation strategy:
  - Provide assistance in creating a prioritization of potential mitigation actions being considered according to a cost benefit review of the proposed projects and their associated costs. (44 CFR § 201.6(c)(3)(iii))
  - Complete Safe Growth Audit: Worksheet (4.2).

- Plan maintenance:
  - Review and update language in plan regarding how to best incorporate the requirements of the mitigation plan into other planning mechanisms such as comprehensive or capital improvement plans, as appropriate. (44 CFR § 201.6(c)(5))
  - Assist with ensuring CCSF incorporates mitigation plan requirements into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate. (44 CFR § 201.6(c)(5))

Risk Management

- Vulnerability (HMP Section 6): Address any National Flood Insurance Plan (NFIP)-insured structures within CCSF that have been repetitively damaged by floods. (44 CFR § 201.6(c)(2)(ii))

- Mitigation strategy (HMP Section 8): Provide a written description of CCSF's participation in the NFIP, including description of (44 CFR § 201.6(c)(3)(ii)):
  - History of CCSF joining NFIP in 2010.
CCSF HAZARD MITIGATION PLAN 2014 REVISION ASSIGNMENTS

- CCSF’s floodplain management program.
- How CCSF will continue to comply with NFIP requirements.
- Complete National Flood Insurance Program (NFIP) Worksheet (4.3).
- Revise Capability Assessment (HMP Section 7, Tables 7-1 – 7-3) regarding NFIP, using Capability Assessment Worksheet (4.1) as a “tickler.” (44 CFR § 201.6(b)(3))
- Assist in updating flood hazard profile (HMP Section 5.2.2.2).

DEM Planning

- Planning Process (HMP Section 4):
  - Ensure proper documentation of the planning process used to develop the plan, including how it was prepared, who was involved in the process, and how the public was involved. (44 CFR § 201.6(c)(1))

- Capability Assessment (HMP Section 7):
  - Oversee revision of Capability Assessment using Capability Assessment Worksheet (4.1) as a “tickler.”

- Risk assessment (HMP Sections 5 - 7):
  - Ensure risk assessment provides (44 CFR § 201.6(c)(2)):
    - Sufficient information to enable CCSF to identify and prioritize appropriate mitigation actions to reduce losses from identified hazards.
    - Factual basis for activities proposed in the mitigation strategy to reduce losses from identified hazards.
  - Revise current HMP language to reflect updated hazard information about each hazard affecting CCSF planning area.
  - Create or oversee creation of maps showing discernible areas affected by each hazard, as applicable.
  - Provide an updated, CCSF planning area-specific (including all CCSF-owned assets) risk assessment that includes (44 CFR § 201.6(c)(2)):
    - Description of the type, location, and extent of all natural and human-made hazards that can affect the planning area, with information on:
      - Previous occurrences of hazard events; and
      - The probability of future hazard events.
    - Description of CCSF planning area’s vulnerability to the hazards identified above, including:
      - An overall summary of each hazard and its impact on the community.
      - NFIP-insured structures that have been repetitively damaged by floods.
    - Description of vulnerability in terms of:
      - The types and numbers of existing and future buildings, infrastructure, and critical facilities located in the identified hazard areas;

Revised 8/27/2013
CCSF HAZARD MITIGATION PLAN 2014 REVISION ASSIGNMENTS

- An estimate of the potential dollar losses to vulnerable structures identified as existing and future buildings, infrastructure, and critical facilities, and a description of the methodology used to prepare the estimate.

☐ Plan maintenance process (HMP Section 9) (44 CFR § 201.6(c)(4)):
  o Review existing maintenance plan.
  o Update to ensure it includes:
    - A section describing the method and schedule of monitoring, evaluating, and updating the plan within a five-year cycle.
    - A process by which CCSF departments incorporate the requirements of the mitigation plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate.
    - Discussion of how CCSF will continue public participation in the plan maintenance process.

☐ Plan Adoption (HMP Section 2.1, Appendix B):
  o Assist in preparing resolution for Board of Supervisors and Mayor to approve showing CCSF adoption of the plan.
  o Obtain documentation that the plan has been formally adopted by CCSF's governing body (e.g., Board of Supervisors and Mayor). (44 CFR § 201.6(c)(5))

DEM Public-Stakeholder Outreach Team

☐ Review existing HMP public outreach section (HMP Section 4.3, 9.3), and FEMA 2008 Plan Review regarding public-stakeholder outreach.

☐ Assist DEM Planning Team in developing an outreach plan that provides a more comprehensive approach to reducing the effects of natural disasters, including (44 CFR § 201.6(b)(1), (2)):
  o An opportunity for the public to comment on the plan during the drafting stage and prior to plan approval; and
  o An opportunity for the following groups to be involved in the planning process:
    - Neighboring communities;
    - Regional agencies involved in hazard mitigation activities;
    - Agencies that have the authority to regulate development;
    - Businesses;
    - Academia;
    - Other private and non-profit interests.
  o Opportunities for continued input into the plan after adoption. (HMP Section 9.3)

☐ Contact Planning Team members for information on CCSF public outreach opportunities that we might participate in to conduct outreach on the HMP revision.

☐ Obtain and integrate Planning Team input on the proposed outreach plan.

☐ Implement the outreach plan.

Revised 8/27/2013
Welcome and Introductions

Planning Process Update

Review 2009 HMP Mitigation Strategy
- Mitigation Goals (HMP Table 8-1)
- Strategy prioritization criteria (HMP pp. 8-8 to 8-9)
- Updated Implementation Strategy Matrix (HMP Table 8-5)
- Potential mitigation strategies for 2009 hazards (HMP Tables 8-2)
- Potential mitigation strategies for additional (new) hazards

Update on Public-Stakeholder Outreach Plan

Next steps

Questions
City and County of San Francisco
Hazard Mitigation Plan Revision

PLANNING TEAM MEETING #3
September 19, 2013

Amy Ramirez, Lead Planner
Edie Schaffer, Emergency Planner

MEETING AGENDA
- Welcome and Introductions
- Planning Process Update
- Review 2009 HMP Mitigation Strategy:
  - Mitigation Goals (Table B-1)
  - Prioritization criteria (Table B-3)
  - Updated Implementation Strategy Matrix (Table B-5)
  - Potential mitigation strategies for 2009 hazards (Tables B-6-7)
  - Potential mitigation strategies for additional (new) hazards
- Update on Public-Stakeholder Outreach Plan
- Next steps
- Questions

PLANNING PROCESS UPDATE
- Update and revision of CCSF Asset list
- Gathering input on:
  - Capability Assessments
  - Hazard Analysis
- Hazard Profile
- Vulnerability Analysis

September 18, 2013
MITIGATION STRATEGY REVIEW

Purpose of Mitigation Strategy

- Serves as a long-term blueprint for reducing potential losses from hazards identified in risk assessment.
- Describes how CCSF will accomplish hazard mitigation within our Planning Area.

September 12, 2013
CCSF Hazard Mitigation Plan Revision

MITIGATION STRATEGY REVIEW

FEMA – CFR Requirements – HMP must (44 CFR § 201.6(c)(3)):  
- Describe participation in, and continued compliance with, NFIP requirements, as appropriate.
- Include goals to reduce or avoid long-term vulnerabilities to identified hazards.
- Identify and analyze a comprehensive range of specific mitigation actions and projects being considered to reduce the effects of hazards, emphasizing new and existing buildings and infrastructure.

September 10, 2013
CCSF Hazard Mitigation Plan Revision

MITIGATION STRATEGY REVIEW

FEMA – CFR Requirements – HMP must (44 CFR § 201.6(c)(3), (4)) (cont’d):  
- Provide an action plan describing how actions identified will be prioritized, implemented, and administered by the jurisdiction.
- Describe the process by which CCSF will integrate the requirements of the mitigation plan into other planning mechanisms, such as comprehensive or capital improvement plans, as appropriate.

September 10, 2013
CCSF hazard Mitigation Plan Revision
MITIGATION STRATEGY REVIEW

Mitigation Strategy Components

- **Mitigation Goals**: General guidelines that explain what CCSF wants to achieve (2009 HMP Table 8-1)
- **Mitigation Actions**: Specific projects and activities that help achieve mitigation goals (Table 8-2)
- **Action Plan**: Describes how the mitigation actions will be implemented. (Table 8-5)

MITIGATION STRATEGY REVIEW

Proposed 2014 HMP Mitigation Goals

1. Implement disaster-resistant measures in San Francisco's future and existing environment.
2. Build and support local capacity to enable the City government and the greater San Francisco community to prepare for, respond to, and recover from disasters.
3. Reduce the possibility of damages and loss due to seismic hazards, including ground shaking, ground failure, and tsunamis.
4. Reduce the possibility of damages and loss due to weather-related hazards, including drought, [erosion], flood, heat, landslide, wildfire, wind, and climate change-related events.
5. Reduce the possibility of damages and loss due to other hazards, including dam and reservoir failure, pandemic, urban configuration, and human-caused hazards.

MITIGATION STRATEGY REVIEW

2009 Mitigation Strategy Criteria

1. Current or potential support from Mayor and Board of Supervisors
2. Local City department or agency champion
3. Ability to be implemented during five-year lifespan of current HMP
4. Ability to reduce expected future damages and losses (cost-benefit)
5. Value added to resiliency of the City and its citizens
6. "Low-lying fruit" projects (projects that are easy to develop, fund, implement, and close out)
FEMA Review of 2009 HMP mitigation prioritization criteria:

"Include additional information on the prioritization process and discussion for future evaluation, modification, replication, etc. . . ."
MITIGATION STRATEGY REVIEW

Potential Mitigation Strategies for Hazards Added for 2014 HMP - See FEMA Mitigation Ideas

STAKEHOLDER & PUBLIC OUTREACH UPDATE

- Public Outreach
- Media & Social Media Outreach
- Next Steps

ASSIGNMENTS FOR NEXT MEETING

Meeting and Plan Revision Schedule
ASSIGNMENTS FOR NEXT MEETING

Roles and Responsibilities

NEXT STEPS

- New Action items
- Next meeting: TBD

QUESTIONS
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<td>San Francisco International Airport</td>
<td><a href="mailto:Airth.Jeff@flysfio.com">Airth.Jeff@flysfio.com</a></td>
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<td>Alden, Amiee</td>
<td>DEM Executive Asst. for Policy &amp; Legislation</td>
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<td>Department of Building Inspection</td>
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<td>Public Utilities Commission</td>
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Greater Stakeholder Convening
AGENDA
September 20, 2013
1:30p
1011 Turk Street; San Francisco EOC

I. Welcome

II. 2014 Hazard Mitigation Plan
   a. Learning about the Plan and the Planning Process

III. How does the Hazard Mitigation impact the community

IV. Q&A
   a. How would your community like to receive information about hazards?
   b. How can we gather feedback about the plan from you?
   c. Will you help us share this message?
Alicia & Edie,

Sorry I meant to send this earlier. Hope it is in time for your meeting.

Press Release went out on Aug 30. Zero media outlets picked it up. This was expected.

Posted to blog on Aug 30. We have over 1800 subscribers on our blog.

Posted to Twitter. We have nearly 60,000 Twitter followers.

Posted to Facebook. We have nearly 2,200 Facebook followers.

On October 1 we will send out another news release, blog, social media messages announcing availability of revision.

We will also include NextDoor and its 24,000 SF subscribers on October 1.

FZ

Sent from my Verizon Wireless 4G LTE DROID
Welcome and Introductions

Review Meeting Objectives

Review and Develop Potential Mitigation Strategies (Table 8-2)

Next steps

Questions
MEETING AGENDA

- Welcome and Introductions
- Review Meeting Objectives
- Review and Develop Potential Mitigation Strategies (Table 8-2)
- Next steps
- Questions

REVIEW MEETING OBJECTIVES

Purpose of Mitigation Strategy

- Serves as a long-term blueprint for reducing potential losses from hazards identified in risk assessment.
- Describes how CCSF will accomplish hazard mitigation within our Planning Area.
- Identify a comprehensive range of specific mitigation actions and projects considered.
MITIGATION STRATEGY REVIEW

2009 Mitigation Strategy Criteria
1. Current or potential support from Mayor and Board of Supervisors
2. Local City department or agency champion
3. Ability to be implemented during five-year lifespan of current HMP
4. Ability to reduce expected future damages and losses (cost-benefit)
5. Value added to resiliency of the City and its citizens
6. "Low-lying fruit" projects (projects that are easy to develop, fund, implement, and close out)

---

MITIGATION STRATEGY REVIEW

Potential Mitigation Strategies for 2009 Hazards
(See Table B-2)

---

MITIGATION STRATEGY REVIEW

Potential Mitigation Strategies for Hazards Added for 2014 HMP - See FEMA Mitigation Ideas
City and County of San Francisco
Hazard Mitigation Plan Revision

PLANNING TEAM MEETING #4
September 25, 2013

Amy Ramirez, Lead Planner
Ede Schaffer, Emergency Planner

MEETING AGENDA

- Welcome and Introductions
- Review Meeting Objectives
- Review and Develop Potential Mitigation
  Strategies (Table 8-2)
- Next steps
- Questions

REVIEW MEETING OBJECTIVES

Purpose of Mitigation Strategy

- Serves as a long-term blueprint for reducing
  potential losses from hazards identified in risk
  assessment.
- Describes how CCSF will accomplish hazard
  mitigation within our Planning Area.
- Identify a comprehensive range of specific
  mitigation actions and projects considered.
REVIEW MEETING OBJECTIVES

Table 8-2
- Lists potential mitigation strategies being considered
- Should include a strategy for each hazard addressed by HMP

MITIGATION STRATEGY REVIEW

Mitigation Strategy Components
- Mitigation Goals: General guidelines that explain what CCSF wants to achieve
  (2009 HMP Table 8-1)
- Mitigation Actions: Specific projects and activities that help achieve mitigation goals
  (Table 8-2)
- Action Plan: Describes how the mitigation actions will be implemented. (Table 8-5)

MITIGATION STRATEGY REVIEW

Proposed 2014 HMP Mitigation Goals
1. Implement disaster-resistant measures in San Francisco's future and existing environment.
2. Build and support local capacity to enable the City government and the greater San Francisco community to prepare for, respond to, and recover from disasters.
3. Reduce the possibility of damages and loss due to seismic hazards, including ground shaking, ground failure, and tsunami.
4. Reduce the possibility of damages and loss due to weather-related hazards, including drought, flood, heat, landslide, wildfire, wind, and climate change-related events.
5. Reduce the possibility of damages and loss due to other hazards, including dam and reservoir failure, pandemic, urban congestion, and human-caused hazards.
**MITIGATION STRATEGY REVIEW**

**2009 Mitigation Strategy Criteria**
1. Current or potential support from Mayor and Board of Supervisors
2. Local City department or agency champion
3. Ability to be implemented during five-year lifespan of current HMP
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5. Value added to resiliency of the City and its citizens
6. "Low-lying fruit" projects (projects that are easy to develop, fund, implement, and close out)

**MITIGATION STRATEGY REVIEW**

Potential Mitigation Strategies for 2009 Hazards (See Table 8-2)

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**MITIGATION STRATEGY REVIEW**

Potential Mitigation Strategies for Hazards Added for 2014 HMP - See FEMA Mitigation Ideas
NEXT STEPS

- New Action Items
- Next meeting: TBD

QUESTIONS

THANK YOU
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