

Appendix D  
Planning Team Meetings

## Schaffer, Edie

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**Subject:** Hazard Mitigation Planning Group  
**Location:** 30 VanNess, suite 3300

**Start:** Wed 7/31/2013 9:30 AM  
**End:** Wed 7/31/2013 11:30 AM

**Recurrence:** (none)

**Meeting Status:** Meeting organizer

**Required Attendees:** Otellini, Patrick; Strong, Brian; Hui, Tom; Chawla, Colleen; Chono, Cynthia; Yeung, Linda; Hansen, Matt; Bohee, Tiffany; Ionin, Jonas; Edmondson, Scott; Sansom, Sidonie; Updike, John; Ito, Darton; Carroll, Mary Ellen; Mauney-Brodek, Karen; FireChief, Secretary; Engler, Joseph; Summerville, Peter; Chin, Thomas; Alden, Amiee; Schaffer, Edie; 'toshia.marshall@flysfo.com'; Del Ponte, Angela; Bobba, Naveena

**Optional Attendees:** Karimi, Bijan; Johnson, Alicia; 'scarlett.lam@sfmta.com'; Jayin, Carolyn; Friedman, Neil; O'Riordan, Patrick; Lowrey, Daniel; Strawn, William; Campos, Jose (CPC); Jeff Airth; Merkins, Kyle

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)**

- What is hazard mitigation?
- Why do we need a local hazard mitigation plan?
- Current plan status

#### **Purpose of Planning Process and Planning Team (10 minutes)**

- Overall purpose
- Outcomes we seek
- Steps in the planning process

#### **CCSF Hazard Mitigation Plan (HMP) Requirements (30 minutes)**

- Code of Federal Regulations plan requirements
- Revision requirements
- FEMA Review of 2009 HMP

#### **Hazards Analysis Review (10 minutes)**

- Hazards covered in 2009 HMP
- Additional hazards to be addressed

#### **Planning Schedule -- Roles and Responsibilities (30 minutes)**

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

#### **Questions (10 minutes)**

#### **Next steps (10 minutes)**

- Next meeting
- Assignments for next meeting
- Action items



**City and County of San Francisco  
Hazard Mitigation Plan Revision**

**PLANNING TEAM KICKOFF MEETING  
July 31, 2013**

Amy Ramirez, Lead Planner  
Edie Schaffer, Emergency Planner



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**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

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**OVERVIEW: HAZARD MITIGATION PLANNING**

- ❖ What is hazard mitigation?
- ❖ Why do we need a local hazard mitigation plan?
- ❖ Current CCSF Hazard Mitigation Plan status

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**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



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**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.




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**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.

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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.

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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.



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44 CFR § 201.3(d)(1)

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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.

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**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.

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**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.

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**THE PLANNING TEAM & PLANNING PROCESS**

- ❖ **What is a Hazard Mitigation Planning Team?**
- ❖ **Who Should Serve?**
- ❖ **What Are Our Goals?**
- ❖ **Mission statement?**

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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.



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THE PLANNING TEAM & PLANNING PROCESS

**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?**



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THE PLANNING TEAM & PLANNING PROCESS

**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.



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## CCSF Hazard Mitigation Plan Revision

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**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.

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**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.

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**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.

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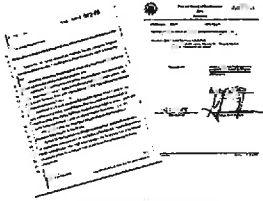
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**HAZARD MITIGATION PLAN (HMP) REQUIREMENTS**

**Plan Adoption**

- ❖ Include documentation that the plan has been formally adopted by CCSF's governing body.



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**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
  - ☐ Wastewater treatment plants
  - ☐ Hetch Hetchy 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.



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**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.



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### HAZARD ANALYSIS REVIEW

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

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### HAZARD ANALYSIS REVIEW

#### Hazards covered in 2009 HMP:

<b>Seismic:</b> <ul style="list-style-type: none"> <li>❖ Ground shaking</li> <li>❖ Ground failure (landslide and liquefaction)</li> <li>❖ Tsunami</li> </ul>	<b>Other hazards:</b> <ul style="list-style-type: none"> <li>❖ Reservoir failure</li> <li>❖ Urban conflagration</li> <li>❖ Human-caused (hazardous material, WMD, energy supply, and terrorism)</li> </ul>
<b>Weather-related:</b> <ul style="list-style-type: none"> <li>❖ Drought</li> <li>❖ Flood</li> <li>❖ Heat</li> <li>❖ Landslide</li> <li>❖ Wildfire</li> <li>❖ Wind</li> </ul>	

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### HAZARD ANALYSIS REVIEW


#### Additional hazards to address:

- ❖ Climate change?
- ❖ Pandemic?
- ❖ Others not mentioned?

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PLANNING FOR ADAPTIVE COMMUNITIES

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### RESPONSIBILITIES AND SCHEDULE

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



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### 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.



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### RESPONSIBILITIES AND SCHEDULE

#### Meeting and Plan Revision Schedule

Activity	Responsible Party	Due Date	Notes
Planning Team Meeting	Planning Team	August 1, 2013	Review existing plan and provide input.
Asset Information Update	Asset Owners	August 15, 2013	Provide updated asset information, data, and other hazard- and mitigation-related information.
Mitigation Strategy Development	Planning Team	September 1, 2013	Develop mitigation strategies for projects related to your organization.
Plan Revision Drafting	Planning Team	September 15, 2013	Provide comments on drafts of the revised plan.



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## RESPONSIBILITIES AND SCHEDULE

### Roles and Responsibilities

CCSF Hazard Mitigation Plan  
2013-2018

**Advisory Committee**


- Provide an updated list of the type and number of existing and future buildings, infrastructure, and critical facilities owned by CCSF (see Appendix A - Appendix 1)
- Provide a current estimate of dollar values of structures identified above

**Task Force**

- Develop a hazard mitigation strategy and provide a timeline for implementation, including, but not limited to, the following:
  - Develop a hazard mitigation strategy and provide a timeline for implementation, including, but not limited to, the following:
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## QUESTIONS



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## NEXT STEPS

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



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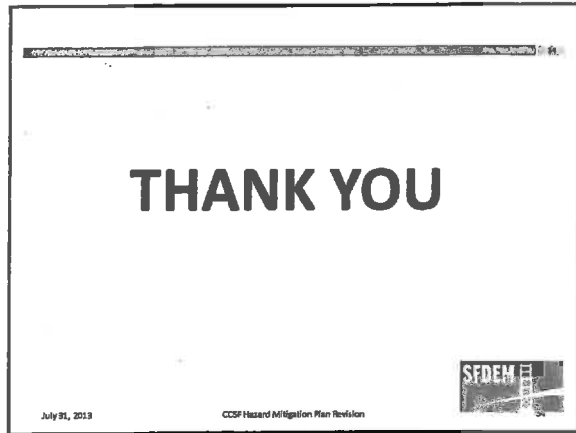
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# CCSF Hazard Mitigation Plan Revision Planning Team Kickoff Meeting

July 31, 2013  
Sign-In Sheet

Edwin Lee  
Mayor

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



Anne Kronenberg  
Executive Director

Name	Organization / Agency	Phone Number	Email Address
18. Angelica Quicksey	RPD	415-831-2739	angelica.quicksey@sfgov.org
19. Toshia Marshall	SFO	650-821-3302	toshia.marshall@flysfo.com
20. Scarlett Lam	SFMTA	531-0997	Scarlett.lam@sfmta.com
21. Patrick Otey	ESIP - City Administrator	554-5404	patrick.otey@sfgov.org
22. Cynthia Chono	DPW	554-6901	cynthia.chono@sfgov.org
23. Nick Kefauver	GSF		
24. Naveena Pothu	SF DPH	558-5939	naveena.pothu@sfgov.org
25. Bijan Karimi	DEM	487-5010	on file
26. Brian Strong	140 Cap. Ping	558-4578	brian-strong@sfgov.org
27. Karen Wawany Broderick	RPD	575-5601	Karen.wawany-broderick@sfgov.org
28. Peter Summerville	TIDA	274-0665	@sfgov.org
29. Neil Friedman	DBI	558-6168	neil.friedman@sfgov.org
30. Rob Stensiel	SF DEM	487-5015	Robert.stensiel@sfgov.org
31. John Updike	RED	559-9800	John.updike@sfgov.org
32. Umree Alden	DEM	415-558-3803	
33. Lily Longley	Planning	575-4083	lily.longley@sfgov.org
34.			





Edwin Lee  
Mayor

# 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



Anne Kronenberg  
Executive Director

Name	Organization / Agency	Phone Number	Email Address
1. Calla Osbrauder	Dept of Environment	355-3785	calla.osbrauder@sfgov.org
2. Kyle Merkins	Fire	558-3680	Kyle.Merkins@sfgov.org
3. Cal Broadhead	Dept Environment	355-3706	cal.broadhead@sfgov.org
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**CCSF Hazard Mitigation Plan  
2014 REVISION ASSIGNMENTS**

**All Departments**

- ☐ Vulnerability (44 CFR § 201.6(c)(2)(ii)):
  - 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)
  - Provide a current estimate of dollar values of structures identified above.
- ☐ Mitigation strategy:
  - Review 2009 HMP mitigation strategy and provide an update on current, ongoing, and completed hazard mitigation programs. (HMP Table 7-4 and Section 8)
  - 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))
  - 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:
  - 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))
  - 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:
  - 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))

## **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)(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'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):**

- 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;
    - 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)):**

- Review existing maintenance plan.
- 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):**

- Assist in preparing resolution for Board of Supervisors and Mayor to approve showing CCSF adoption of the plan.
- 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)):
- An opportunity for the public to comment on the plan during the drafting stage and prior to plan approval; and
  - 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.
  - Opportunities for continued input into the plan after adoption. (HMP Section 9.3)

# CCSF HAZARD MITIGATION PLAN (HMP) REVISION -- PLANNING TEAM MEETING & PLAN REVISION SCHEDULE (July 30, 2013)

ACTION	POST-MEETING ASSIGNMENTS	ASSIGNED TO	TIMEFRAME	DELIVERABLES
Planning Team Kickoff Meeting <ul style="list-style-type: none"> <li>• Introduction to hazard mitigation planning</li> <li>• CFR and FEMA HMP requirements</li> <li>• Existing plan scope and hazards</li> <li>• Planning schedule</li> <li>• Roles and responsibilities</li> </ul>	<ul style="list-style-type: none"> <li>• Review 2009 HMP</li> <li>• Review and update 2009 HMP Asset Information (App. F)</li> <li>• Update Capability Assessment</li> <li>• Develop Stakeholder/Public Outreach Plan</li> <li>• NFIP Worksheet Information</li> </ul>	<ul style="list-style-type: none"> <li>• All depts.</li> <li>• All depts.</li> <li>• Planning/CPP/Risk Management/DBI/DEM</li> <li>• DEM - Outreach</li> <li>• Risk Management</li> </ul>	By August 21  By August 21  By August 21  By August 27  By August 27	<ul style="list-style-type: none"> <li>• Confirmed planning schedule</li> <li>• Confirmed roles and responsibilities</li> <li>• Identify City-owned assets outside CCSF</li> </ul>
Planning Team Meeting #2 <ul style="list-style-type: none"> <li>• Review updated Hazard Assessment</li> <li>• Review updated Asset Information lists</li> <li>• Review updated Capability Assessment</li> <li>• Review Stakeholder and Public Outreach Plan</li> </ul>	<ul style="list-style-type: none"> <li>• Review 2009 HMP mitigation action plan</li> <li>• Review updated 2011 draft mitigation action plan</li> <li>• Complete Mitigation Action Progress Report Form (Worksheet 7.1)</li> </ul>	All depts.	August 28	<ul style="list-style-type: none"> <li>• Confirmed Stakeholder and Public Outreach plan</li> <li>• Updated Asset Information lists</li> <li>• Updated Capability Assessment</li> <li>• NFIP Worksheet information</li> </ul>
<i>Stakeholder and public feedback on hazard assessment and preferred mitigation strategies</i>		DEM - Outreach	September 2 – September 23	
Planning Team Meeting #3 <ul style="list-style-type: none"> <li>• Review updated draft risk assessment</li> <li>• Discuss 2009 – 2011 mitigation action plan</li> <li>• Complete Mitigation Action Evaluation Worksheets</li> <li>• Review implementation strategy</li> </ul>	<ul style="list-style-type: none"> <li>• Review e-copy of draft revised plan (to be shared as soon as possible after Meeting #3)</li> <li>• Complete Safe Growth Audit Information</li> </ul>	Planning Team	September 11	<ul style="list-style-type: none"> <li>• Confirmed mitigation action list and prioritization criteria</li> <li>• Confirmed implementation strategy</li> </ul>

ACTION	POST-MEETING ASSIGNMENTS	ASSIGNED TO	TIMEFRAME	DELIVERABLES
Planning Team Meeting #4 <ul style="list-style-type: none"> <li>Review plan maintenance strategy</li> <li>Review and provide feedback on draft revised plan</li> </ul>		Planning Team	September 25	Confirmed revised draft HMP
<i>Incorporate changes and finalize draft plan for submission to Cal OES/FEMA Region IX</i>		DEM	By October 7	Plan ready for submission to Cal OES/FEMA
Concurrent review: <ul style="list-style-type: none"> <li>Submit draft revised plan to Cal OES SHMO for review (SHMO forwards to FEMA Region IX)</li> <li>30-day Stakeholder and Public comment on draft revised plan</li> </ul>		DEM	Week of October 7, 2013	
FEMA Region IX Review and Approval Pending Adoption			Minimum of 45 days from date of Cal OES submission to FEMA	Plan "Approved Pending Adoption" by CCSF
Final Draft: <ul style="list-style-type: none"> <li>Incorporate FEMA, stakeholder, and public feedback</li> <li>Prepare final draft for CCSF adoption</li> </ul>			Allow at least 10 days	Plan ready for submission to CCSF Board of Supervisors and Mayor
Submit Final Plan to Board of Supervisors and Mayor for adoption			Allow at least 35 days	Plan adopted by CCSF and ready for FEMA final approval
Provide final, CCSF-adopted plan to FEMA for formal approval			As soon as possible after CCSF adoption	Final approval of Plan by FEMA





**Acronyms and Abbreviations**

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

<b>USC</b>	<b>United States Code</b>
<b>USGS</b>	<b>United States Geological Survey</b>
<b>WMD</b>	<b>Weapon of Mass Destruction</b>



**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)**

**City and County of San Francisco**  
**Hazard Mitigation Plan Revision**

**PLANNING TEAM MEETING #2**  
**August 28, 2013**

Amy Ramirez, Lead Planner  
 Edie Schaffer, Emergency Planner


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**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

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**PLANNING PROCESS UPDATE**

- ❖ Outreach to additional Planning Team members
- ❖ Working to gather input on:
  - Capability Assessments
  - Hazard Analysis
- ❖ Updating Asset list
- ❖ Developed Outreach Plan

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✕  
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**ASSET LIST**

**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.

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**ASSET LIST**

**Recommendations for updated list:**

- ❖ Calculate replacement value: sq/ft by \$\$ (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

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**ASSET LIST**

**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.

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**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 6<sup>th</sup>

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**HAZARD ANALYSIS (Section 5.1)**

**Review new/updated content for the following hazards:**

- ❖ Pandemic
- ❖ Climate Change [need New Hazard Wksht]
- ❖ Flood [in progress]
- ❖ Terrorism [in progress]
- ❖ Winter Storms [in progress]
- ❖ Wildfire [in progress]

**Due to Edie by COB September 6<sup>th</sup>**

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**HAZARD ANALYSIS (Section 5.1)**


**Additional:**

- ❖ Erosion?

**Hazard Analysis Next Step:**

- ❖ Edie will work on the Hazard Profile detailing hazard, probability, location

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### 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 6<sup>th</sup>

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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?

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### 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.

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**STAKEHOLDER & PUBLIC OUTREACH**

**FEMA Review of 2009 HMP Public - Stakeholder Outreach Efforts**

<p>A. Have the new or updated plan been reviewed by the public? If not, how can the public be involved in the review process?</p>	<p>B. Have the new or updated plan been reviewed by the public? If not, how can the public be involved in the review process?</p>
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**SFDEM**

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**STAKEHOLDER & PUBLIC OUTREACH**

**FEMA Review of 2009 HMP Public - Stakeholder Outreach Efforts**

<p>A. Have the new or updated plan been reviewed by the public? If not, how can the public be involved in the review process?</p>	<p>B. Have the new or updated plan been reviewed by the public? If not, how can the public be involved in the review process?</p>
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**SFDEM**

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**STAKEHOLDER & PUBLIC OUTREACH**

- ❖ 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

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**SFDEM**

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## CCSF Hazard Mitigation Plan Revision

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**QUESTIONS**



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**THANK YOU**

July 31, 2013

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# CCSF Hazard Mitigation Plan Revision Planning Team Meeting #2

August 28, 2013, Sign-In Sheet

Department of Emergency Management

30 Van Ness, Suite 3300, San Francisco, CA 94102

Edwin Lee  
Mayor



Anne Kronenberg  
Executive Director

Name	Organization / Agency	Email Address	Phone	Initials
1. Airth, Jeff	San Francisco International Airport	Jeff.Airth@flysfo.com	650 821-6667	JA
2. Alden, Amiee	DEM Executive Asst. for Policy & Legislation	amiee.alden@sfgov.org	558-3803	CA
3. Beck, Bob	Treasure Island Development Agency	Bob.Beck@sfgov.org	274-0662	RB
4. Bobba, Naveena	Department of Public Health	naveena.bobba@sfdph.org	554-2830	
5. Bohee, Tiffany	Office of Community Investment and Infrastructure	tiffany.bohee@sfgov.org		
6. Broomhead, Cal	Department of Environment	cal.broomhead@sfgov.org	355-3706	CB
7. Carroll, Mary Ellen	Public Utilities Commission	mcarroll@sfwater.org	554-2408	
8. Chin, Tom	DEM Community Preparedness Coordinator	thomas.m.chin@sfgov.org	487-5031	
9. Chono, Cynthia	Department of Public Works	cynthia.chono@sfdpw.org	554-6901	CC
10. Del Ponte, Angela	DEM Private Sector Liaison	angela.delponte@sfgov.org	487-5026	
11. Edmondson, Scott	Planning Department	scott.edmondson@sfgov.org		
12. Engler, Joe	San Francisco Police Department	Joseph.Engler@sfgov.org		
13. Forester, Rob	San Francisco International Airport	Rob.Forester@flysfo.com		
14. Friedman, Neil	Department of Building Inspection	neil.friedman@sfgov.org	558-6168	NF
15. Hansen, Matt	General Services Agency - Risk Management Division	matt.hansen@sfgov.org	554-2302	



**CCSF Hazard Mitigation Plan Revision  
Planning Team Meeting #2  
August 28, 2013, Sign-In Sheet**

Department of Emergency Management

30 Van Ness, Suite 3300, San Francisco, CA 94102

Edwin Lee  
Mayor



Anne Kronenberg  
Executive Director

Name	Organization / Agency	Email Address	Phone	Initials
16. Hilt, Micah	Earthquake Safety Implementation Program	micah.hilt@sfgov.org	554-4925	MH
17. Hua, Benson	Public Utilities Commission	BHua@sfwater.org	551-4571	BH
18. Ionin, Jonas	Planning Department	jonas.ionin@sfgov.org	558-6309	
19. Ito, Darton	Municipal Transportation Agency	darton.ito@sfmta.com	701-4330	
20. Johnson, Alicia	DEM Resilience & Recovery Manager	alicia.johnson@sfgov.org	487-5021	AJ
21. Johnson, Carla	Mayor's Office on Disability	carla.johnson@sfgov.org	554-6789	
22. Keene, Joshua	Public Utilities Commission	jkeene@sfwater.org	487-5212	
23. Lam, Scarlett	Municipal Transportation Agency	scarlett.lam@sfmta.com	701-5253	
24. Langlois, Lily	Planning Department	lily.langlois@sfgov.org	575-9083	LL
25. Levenson, Leo	San Francisco Redevelopment Agency	Leo.Levenson@sfgov.org	749-2465	
26. Majeski, Nick	General Services Agency-City Administrator's Office	nick.majeski@sfgov.org	554-4940	
27. Marshall, Toshia	San Francisco International Airport	toshia.marshall@flysfo.com	650-821-3302	
28. Mauney-Brodek, Karen	Recreation & Parks	Karen.Mauney-Brodek@sfgov.org	575-5601	
29. Merkins, Kyle	San Francisco Fire Department	kyle.merkins@sfgov.org	558-3680	
30. Nutter, Melanie	Department of Environment	melanie.nutter@sfgov.org		



# CCSF Hazard Mitigation Plan Revision Planning Team Meeting #2

August 28, 2013, Sign-In Sheet

Department of Emergency Management

30 Van Ness, Suite 3300, San Francisco, CA 94102

Edwin Lee  
Mayor



Anne Kronenberg  
Executive Director

Name	Organization / Agency	Email Address	Phone	Initials
31. Ostrander, Calla	Department of Environment	calla.ostrander@sfgov.org	355-3785	
32. Otellini, Patrick	Earthquake Safety Implementation Program	patrick.otellini@sfgov.org	554-5404	
33. Patrick, Walter	San Francisco Unified School District	PatrickW@sfusd.edu		
34. Pearson, Holly	Recreation & Parks	holly.pearson@sfgov.org		
35. Pieraldi, Jeana	Department of Technology	jeana.pieraldi@sfgov.org		
36. Sansom, Sidonie	Port of San Francisco	sidonie.sansom@sport.com	274-0544	MS
37. Strong, Brian	Capital Planning Program	brian.strong@sfgov.org	558-4558	BS
38. Sullivan, Dave	DEM Liaison, Northern California Regional Intelligence Center (NCRIC)	Dave.Sullivan@sfgov.org 740-4668	575-2784	DS
39. Summerville, Peter	Treasure Island Development Agency	peter.summerville@sfgov.org	274-0665	
40. Updike, John	Real Estate	john.updike@sfgov.org	554-9860	JS
41. Warren, Mike	San Francisco International Airport	mike.warren@flysfo.com		
42. Wilson, Brad	Public Utilities Commission	bwilson@sfwater.org	557-4544	BW
43. Wong, Jeannie	Controller's Office	jeannie.wong@sfgov.org		
44. Chao, Sunny	Capital Planning Program	sunny.chao@sfdpr.org	557-4635	
45. Quicksey, Angelica	Recreation and Parks	angelica.quicksey@sfgov.org	831-2737	Q



# CCSF Hazard Mitigation Plan Revision Planning Team Meeting #2

August 28, 2013, Sign-In Sheet

Department of Emergency Management

30 Van Ness, Suite 3300, San Francisco, CA 94102

Edwin Lee  
Mayor



Anne Kronenberg  
Executive Director

Name	Organization / Agency	Email Address	Phone	Initials
46. Francis Zamora	DEM PIO	Francis.Zamora@sfdem.org	558-3880	FZ
47. Matt Low	SFPUC Enterprise Risk Mgmt	mloew@sfpuc.org	558-4003	ML
48. Elist Chang	Capital Planning	elist.chang@sfgov.org		EC
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# CCSF HAZARD MITIGATION PLAN (HMP) REVISION -- PLANNING TEAM MEETING & PLAN REVISION SCHEDULE (August 27, 2013)

ACTION	POST-MEETING ASSIGNMENTS	ASSIGNED TO	TIMEFRAME	DELIVERABLES
<b>Planning Team Kickoff Meeting</b> <ul style="list-style-type: none"> <li>• Introduction to hazard mitigation planning</li> <li>• CFR and FEMA HMP requirements</li> <li>• Existing plan scope and hazards</li> <li>• Planning schedule</li> <li>• Roles and responsibilities</li> </ul>	<ul style="list-style-type: none"> <li>• Review 2009 HMP</li> <li>• Review and update 2009 HMP Asset Information (App. F)</li> <li>• Update Capability Assessment</li> <li>• Develop Stakeholder/Public Outreach Plan</li> <li>• NFIP Worksheet Information</li> </ul>	<ul style="list-style-type: none"> <li>• All depts.</li> <li>• All depts.</li> <li>• Planning/CPP/Risk Mgmt/DBI/DEM</li> <li>• DEM – Outreach</li> <li>• Risk Management</li> </ul>	<ul style="list-style-type: none"> <li>By August 21</li> <li>By August 21</li> <li>By August 21</li> <li>By August 27</li> <li>By August 27</li> </ul>	<ul style="list-style-type: none"> <li>• Confirmed planning schedule</li> <li>• Confirmed roles and responsibilities</li> <li>• Identify City-owned assets outside CCSF</li> </ul>
<b>Planning Team Meeting #2</b> <ul style="list-style-type: none"> <li>• Review updated Hazard Assessment</li> <li>• Review updated Asset Information lists</li> <li>• Review updated Capability Assessment</li> <li>• Review Stakeholder and Public Outreach Plan</li> </ul>	<p>OUTSTANDING – due 9/6</p> <ul style="list-style-type: none"> <li>• Capability Assessment</li> <li>• Asset List</li> <li>• Hazard content</li> </ul> <p>NEW ASSIGNMENTS</p> <ul style="list-style-type: none"> <li>• Review 2009 HMP mitigation action plan</li> <li>• Review updated 2011 draft mitigation action plan</li> <li>• Complete Mitigation Action Progress Report Form (Wksht 7.1)</li> </ul>	<p>All depts.</p>	<p>August 28</p>	<ul style="list-style-type: none"> <li>• Confirmed Stakeholder and Public Outreach plan</li> <li>• Updated Asset Information lists</li> <li>• Updated Capability Assessment</li> <li>• NFIP Worksheet information</li> </ul>
<i>Stakeholder and public feedback on hazard assessment and preferred mitigation strategies</i>		<p>DEM - Outreach</p>	<p>September 2 – September 23</p>	
<b>Planning Team Meeting #3</b> <ul style="list-style-type: none"> <li>• Review updated draft risk assessment</li> <li>• Discuss 2009 – 2011 mitigation action plan</li> <li>• Complete Mitigation Action Evaluation Worksheets</li> <li>• Review implementation strategy</li> </ul>	<ul style="list-style-type: none"> <li>• Review e-copy of draft revised plan (to be shared as soon as possible after Meeting #3)</li> <li>• Complete Safe Growth Audit Information</li> </ul>	<p>Planning Team</p>	<p>September 12</p>	<ul style="list-style-type: none"> <li>• Confirmed mitigation action list and prioritization criteria</li> <li>• Confirmed implementation strategy</li> </ul>

ACTION	POST-MEETING ASSIGNMENTS	ASSIGNED TO	TIMEFRAME	DELIVERABLES
Planning Team Meeting #4 <ul style="list-style-type: none"> <li>Review plan maintenance strategy</li> <li>Review and provide feedback on draft revised plan</li> </ul>		Planning Team	September 26	Confirmed revised draft HMP
<i>Incorporate changes and finalize draft plan for submission to Cal OES/FEMA Region IX</i>		DEM	By October 7	Plan ready for submission to Cal OES/FEMA
Concurrent review: <ul style="list-style-type: none"> <li>Submit draft revised plan to Cal OES SHMO for review (SHMO forwards to FEMA Region IX)</li> <li>30-day Stakeholder and Public comment on draft revised plan</li> </ul>		DEM	Week of October 7, 2013	
FEMA Region IX Review and Approval Pending Adoption			Minimum of 45 days from date of Cal OES submission to FEMA	Plan "Approved Pending Adoption" by CCSF
Final Draft: <ul style="list-style-type: none"> <li>Incorporate FEMA, stakeholder, and public feedback</li> <li>Prepare final draft for CCSF adoption</li> </ul>			Allow at least 10 days	Plan ready for submission to CCSF Board of Supervisors and Mayor
Submit Final Plan to Board of Supervisors and Mayor for adoption			Allow at least 35 days	Plan adopted by CCSF and ready for FEMA final approval
Provide final, CCSF-adopted plan to FEMA for formal approval			ASAP after CCSF adoption	Final approval of Plan by FEMA



## CCSF HAZARD MITIGATION PLAN 2014 REVISION ASSIGNMENTS

### All Departments

- ☐ Vulnerability (44 CFR § 201.6(c)(2)(ii)):
  - 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)
  - 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:
  - Review 2009 HMP mitigation strategy and provide an update on current, ongoing, and completed hazard mitigation programs. (HMP Table 7-4 and Section 8)
  - 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))
  - 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:
  - 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:
  - 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:

## 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;

## **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)):
  - Review existing maintenance plan.
  - 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):
  - Assist in preparing resolution for Board of Supervisors and Mayor to approve showing CCSF adoption of the plan.
  - 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)):
  - An opportunity for the public to comment on the plan during the drafting stage and prior to plan approval; and
  - 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.
  - 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.



## **City and County of San Francisco Hazard Mitigation Plan Revision Planning Team Meeting #3**

**30 Van Ness Avenue, Suite 3300  
September 19, 2013, 10:00 AM - 12:00 PM**

### **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

SFDEM

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**MEETING AGENDA**

- ❖ Welcome and Introductions
- ❖ Planning Process Update
- ❖ Review 2009 HMP Mitigation Strategy:
  - Mitigation Goals (Table 8-1)
  - Prioritization criteria (Table 8-3)
  - Updated Implementation Strategy Matrix (Table 8-5)
  - Potential mitigation strategies for 2009 hazards (Tables 8-2)
  - Potential mitigation strategies for additional (new) hazards
- ❖ Update on Public-Stakeholder Outreach Plan
- ❖ Next steps
- ❖ Questions

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**PLANNING PROCESS UPDATE**

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



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**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.



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**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.



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**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.



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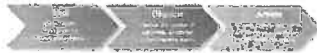
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### MITIGATION STRATEGY REVIEW

#### 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)



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### 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, [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 conflagration, and human-caused hazards.

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### 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)

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### MITIGATION STRATEGY REVIEW

**FEMA Review of 2009 HMP mitigation prioritization criteria:**

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

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### MITIGATION STRATEGY REVIEW

**Status of 2009 HMP Mitigation Action Plan (Table 8-5)**

**Table 8-5** Implementation Status Matrix

Action Number	Description	Implementation Status	Estimated Completion Date	Responsible Agency	Estimated Cost	Notes
1A	Develop and implement a plan to improve the safety and security of the city's critical infrastructure (e.g., water supply, power, gas, etc.)	Planning/Design	Q3 2014	City of San Francisco	\$1.5M	See Table 8-2 for details.
1B	Develop and implement a plan to improve the safety and security of the city's critical infrastructure (e.g., water supply, power, gas, etc.)	Design/Construction	Q3 2015	City of San Francisco	\$1.5M	See Table 8-2 for details.
1C	Develop and implement a plan to improve the safety and security of the city's critical infrastructure (e.g., water supply, power, gas, etc.)	Design/Construction	Q3 2016	City of San Francisco	\$1.5M	See Table 8-2 for details.
1D	Develop and implement a plan to improve the safety and security of the city's critical infrastructure (e.g., water supply, power, gas, etc.)	Design/Construction	Q3 2017	City of San Francisco	\$1.5M	See Table 8-2 for details.

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### MITIGATION STRATEGY REVIEW

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

**Table 8-2** Potential Mitigation Actions

Action Number	Description	Implementation Status	Estimated Completion Date	Responsible Agency	Estimated Cost	Notes
1A	Develop and implement a plan to improve the safety and security of the city's critical infrastructure (e.g., water supply, power, gas, etc.)	Planning/Design	Q3 2014	City of San Francisco	\$1.5M	See Table 8-2 for details.
1B	Develop and implement a plan to improve the safety and security of the city's critical infrastructure (e.g., water supply, power, gas, etc.)	Design/Construction	Q3 2015	City of San Francisco	\$1.5M	See Table 8-2 for details.
1C	Develop and implement a plan to improve the safety and security of the city's critical infrastructure (e.g., water supply, power, gas, etc.)	Design/Construction	Q3 2016	City of San Francisco	\$1.5M	See Table 8-2 for details.
1D	Develop and implement a plan to improve the safety and security of the city's critical infrastructure (e.g., water supply, power, gas, etc.)	Design/Construction	Q3 2017	City of San Francisco	\$1.5M	See Table 8-2 for details.

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### MITIGATION STRATEGY REVIEW

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



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### STAKEHOLDER & PUBLIC OUTREACH UPDATE

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

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### ASSIGNMENTS FOR NEXT MEETING

**Meeting and Plan Revision Schedule**

Item	Assigned To	Due Date	Notes
1. Review and update the Mitigation Strategy for the 2014 HMP.	Staff	10/1/13	
2. Review and update the Mitigation Strategy for the 2014 HMP.	Staff	10/1/13	
3. Review and update the Mitigation Strategy for the 2014 HMP.	Staff	10/1/13	
4. Review and update the Mitigation Strategy for the 2014 HMP.	Staff	10/1/13	
5. Review and update the Mitigation Strategy for the 2014 HMP.	Staff	10/1/13	
6. Review and update the Mitigation Strategy for the 2014 HMP.	Staff	10/1/13	
7. Review and update the Mitigation Strategy for the 2014 HMP.	Staff	10/1/13	
8. Review and update the Mitigation Strategy for the 2014 HMP.	Staff	10/1/13	
9. Review and update the Mitigation Strategy for the 2014 HMP.	Staff	10/1/13	
10. Review and update the Mitigation Strategy for the 2014 HMP.	Staff	10/1/13	

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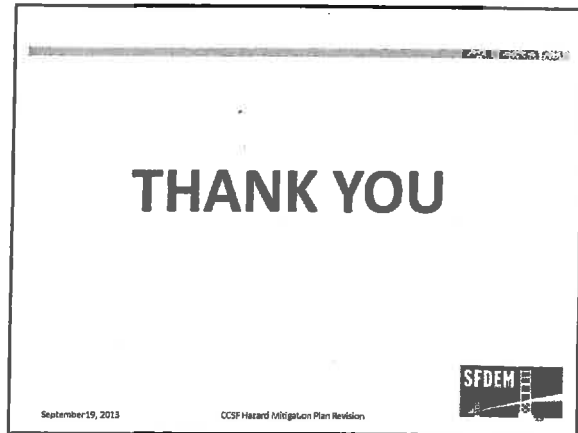
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# CCSF Hazard Mitigation Plan Revision Planning Team Meeting #3

September 19, 2013, Sign-In Sheet

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

Edwin Lee  
Mayor



Anne Kronenberg  
Executive Director

Name	Organization / Agency	Email Address	Phone	Initials
1. Airth, Jeff	San Francisco International Airport	Jeff.Airth@flysfo.com	650-821-6667	
2. Alden, Amiee	DEM Executive Asst. for Policy & Legislation	amiee.alden@sfgov.org	558-3803	aa
3. Beck, Bob	Treasure Island Development Agency	Bob.Beck@sfgov.org	274-0662	
4. Bobba, Naveena	Department of Public Health <i>for Naveena</i>	naveena.bobba@sfdph.org	554-2830	BB
5. Bohee, Tiffany	Office of Community Investment and Infrastructure	tiffany.bohee@sfgov.org		
6. Broomhead, Cal	Department of Environment	cal.broomhead@sfgov.org	355-3706	CB
7. Carroll, Mary Ellen	Public Utilities Commission	mcarroll@swater.org	554-2408	
8. Chang, Eliot	Capital Planning Program	eliot.chang@sfgov.org	558-4003	
9. Chao, Sunny	Capital Planning Program	sunny.chao@sfdpw.org	557-4635	
10. Chin, Tom	DEM Community Preparedness Coordinator	thomas.m.chin@sfgov.org	487-5031	
11. Chono, Cynthia	Department of Public Works	cynthia.chono@sfdpw.org	554-6901	CU
12. Del Ponte, Angela	DEM Private Sector Liaison	angela.delponte@sfgov.org	487-5026	
13. Edmondson, Scott	Planning Department	scott.edmondson@sfgov.org		
14. Engler, Joe	San Francisco Police Department	Joseph.Engler@sfgov.org		
15. Forester, Rob	San Francisco International Airport	Rob.Forester@flysfo.com		

Connors, Kaitlyn  
Sara Chan

Capital Planning Program

Kaitlyn.Connors@sfgov.org 558-4515  
Bobbie Chan at 558-4515



Edwin Lee  
Mayor

## CCSF Hazard Mitigation Plan Revision Planning Team Meeting #3

September 19, 2013, Sign-In Sheet

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



Anne Kronenberg  
Executive Director

Name	Organization / Agency	Email Address	Phone	Initials
16. Friedman, Neil	Department of Building Inspection	neil.friedman@sfgov.org	558-6168	NF
17. Hansen, Matt	General Services Agency - Risk Management Division	matt.hansen@sfgov.org	554-2302	
18. Hilt, Micah	Earthquake Safety Implementation Program	micah.hilt@sfgov.org	554-4925	
19. Hua, Benson	Public Utilities Commission	BHua@sfwater.org	551-4571	
20. Ionin, Jonas	Planning Department	jonas.ionin@sfgov.org	558-6309	
21. Ito, Darton	Municipal Transportation Agency	darton.ito@sfmta.com	701-4330	DI
22. Johnson, Alicia	DEM Resilience & Recovery Manager	alicia.johnson@sfgov.org	487-5021	
23. Johnson, Carla	Mayor's Office on Disability	carla.johnson@sfgov.org	554-6789	CJ
24. Keene, Joshua	Public Utilities Commission	jkeene@sfwater.org	487-5212	
25. Lam, Scarlett	Municipal Transportation Agency	scarlett.lam@sfmta.com	701-5253	SL
26. Langlois, Lily	Planning Department	lily.langlois@sfgov.org	575-9083	
27. Levenson, Leo	San Francisco Redevelopment Agency	Leo.Levenson@sfgov.org	749-2465	
28. Low, Matt	PUC Enterprise Risk Management	mlow@sfwater.org	934-5752	
29. Majeski, Nick	General Services Agency-City Administrator's Office	nick.majeski@sfgov.org	554-4940	
30. Marshall, Toshia	San Francisco International Airport	toshia.marshall@flysfo.com	650-821-3302	



Edwin Lee  
Mayor

## CCSF Hazard Mitigation Plan Revision Planning Team Meeting #3

September 19, 2013, Sign-In Sheet

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



Anne Kronenberg  
Executive Director

Name	Organization / Agency	Email Address	Phone	Initials
31. Mauney-Brodek, Karen	Recreation & Parks	Karen.Mauney-Brodek@sfgov.org	575-5601	
32. Merkins, Kyle	San Francisco Fire Department	kyle.merkins@sfgov.org	558-3680	
33. Nutter, Melanie	Department of Environment	melanie.nutter@sfgov.org		
34. Ostrander, Calla	Department of Environment	calla.ostrander@sfgov.org	355-3785	
35. Otellini, Patrick	Earthquake Safety Implementation Program	patrick.otellini@sfgov.org	554-5404	
36. Patrick, Walter	San Francisco Unified School District	PatrickW@sfsud.edu		
37. Pearson, Holly	Recreation & Parks	holly.pearson@sfgov.org		
38. Pieraldi, Jeana	Department of Technology	jeana.pieraldi@sfgov.org		
39. Quicksey, Angelica	Recreation & Parks	Angelica.quicksey@sfgov.org	557-4635	
40. Sansom, Sidonie	Port of San Francisco	sidonie.sansom@sport.com	274-0544	
41. Strong, Brian	Capital Planning Program	brian.strong@sfgov.org	558-4558	
42. Sullivan, Dave	DEM Liaison, Northern California Regional Intelligence Center (NCRIC)	dsullivan@ncric.org	740-4668	
43. Summerville, Peter	Treasure Island Development Agency	peter.summerville@sfgov.org	274-0665	
44. Updike, John	Real Estate	john.updike@sfgov.org	554-9860	
45. Warren, Mike	San Francisco International Airport	mike.warren@flysfo.com		



# CCSF Hazard Mitigation Plan Revision Planning Team Meeting #3

September 19, 2013, Sign-In Sheet

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

Edwin Lee  
Mayor



Anne Kronenberg  
Executive Director

Name	Organization / Agency	Email Address	Phone	Initials
46. Wilson, Brad	Public Utilities Commission	bwilson@sfgov.org	551-4594	
47. Wong, Jeannie	Controller's Office	jeannie.wong@sfgov.org		
48. Zamora, Francis	DEM PIO	Francis.zamora@sfgov.org	558-3830	
49. Morani, Toni	SAN Francisco REC & Park	Toni.Morani@sfgov.org	581-2555	TM
50. Gigamelli, Leah	Real Estate Division	LEAH.GIGAMELLI@sfgov.org	344-9676	LG
51.				
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Edwin Lee  
Mayor

# CCSF Hazard Mitigation Plan Revision Planning Team Meeting #3

September 19, 2013, Sign-In Sheet

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



Anne Kronenberg  
Executive Director

Name	Organization / Agency	Email Address	Phone	Initials
62.				
63.				
64.				
65.				
66.				



Edwin M. Lee  
Mayor

**Department of Emergency Management**  
1011 Turk Street, San Francisco, CA 94102

Division of Emergency Communications  
Phone: (415) 558-3800 Fax: (415) 558-3843

Division of Emergency Services  
Phone: (415) 487-5000 Fax: (415) 487-5043



Anne Kronenberg  
Executive Director

**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?**

## **Schaffer, Edie**

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**From:** Zamora, Francis  
**Sent:** Thursday, September 19, 2013 9:54 AM  
**To:** Johnson, Alicia; Schaffer, Edie  
**Subject:** Update

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*



**City and County of San Francisco Hazard Mitigation Plan Revision  
Planning Team Meeting #4**

**30 Van Ness Avenue, Suite 3300  
September 25, 2013, 1:30 – 3:30 PM**

**Welcome and Introductions**

**Review Meeting Objectives**

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

**Next steps**

**Questions**



**City and County of San Francisco**  
**Hazard Mitigation Plan Revision**

**PLANNING TEAM MEETING #4**  
**September 25, 2013**

Amy Ramirez, Lead Planner  
Edie Schaffer, Emergency Planner



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**MEETING AGENDA**

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

September 19, 2013 CCSF Hazard Mitigation Plan Revision



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**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.

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### 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)

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### MITIGATION STRATEGY REVIEW

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

Table 8-2 Potential Mitigation Strategies

Item	Address	Address Description	Category	Priority	Estimated Cost	Estimated Benefit	Estimated Life Span	Estimated Annual Benefit
1A	1A	1A	1A	1A	1A	1A	1A	1A
1B	1B	1B	1B	1B	1B	1B	1B	1B
1C	1C	1C	1C	1C	1C	1C	1C	1C
1D	1D	1D	1D	1D	1D	1D	1D	1D
1E	1E	1E	1E	1E	1E	1E	1E	1E
1F	1F	1F	1F	1F	1F	1F	1F	1F
1G	1G	1G	1G	1G	1G	1G	1G	1G
1H	1H	1H	1H	1H	1H	1H	1H	1H
1I	1I	1I	1I	1I	1I	1I	1I	1I
1J	1J	1J	1J	1J	1J	1J	1J	1J

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### MITIGATION STRATEGY REVIEW

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



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**City and County of San Francisco  
Hazard Mitigation Plan Revision**

**PLANNING TEAM MEETING #4  
September 25, 2013**

Amy Ramirez, Lead Planner  
Edie Schaffer, Emergency Planner



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**MEETING AGENDA**

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



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**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.



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### REVIEW MEETING OBJECTIVES

**Table 8-2**

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

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### 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)

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### 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 conflagration, and human-caused hazards.



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## CCSF Hazard Mitigation Plan Revision


## C.S.F Hazard Mitigation Plan Revision

## CJ/SF Hazard Mitigation Plan Re-156-1

**NEXT STEPS**

- ❖ New Action items
- ❖ Next meeting:  
TBD

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**QUESTIONS**



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**THANK YOU**

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# CCSF Hazard Mitigation Plan Revision Planning Team Meeting #4

September 25, 2013, Sign-In Sheet

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

Edwin Lee  
Mayor



Anne Kronenberg  
Executive Director

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# CCSF Hazard Mitigation Plan Revision Planning Team Meeting #4

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Edwin Lee  
Mayor



Anne Kronenberg  
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Edwin Lee  
Mayor

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