

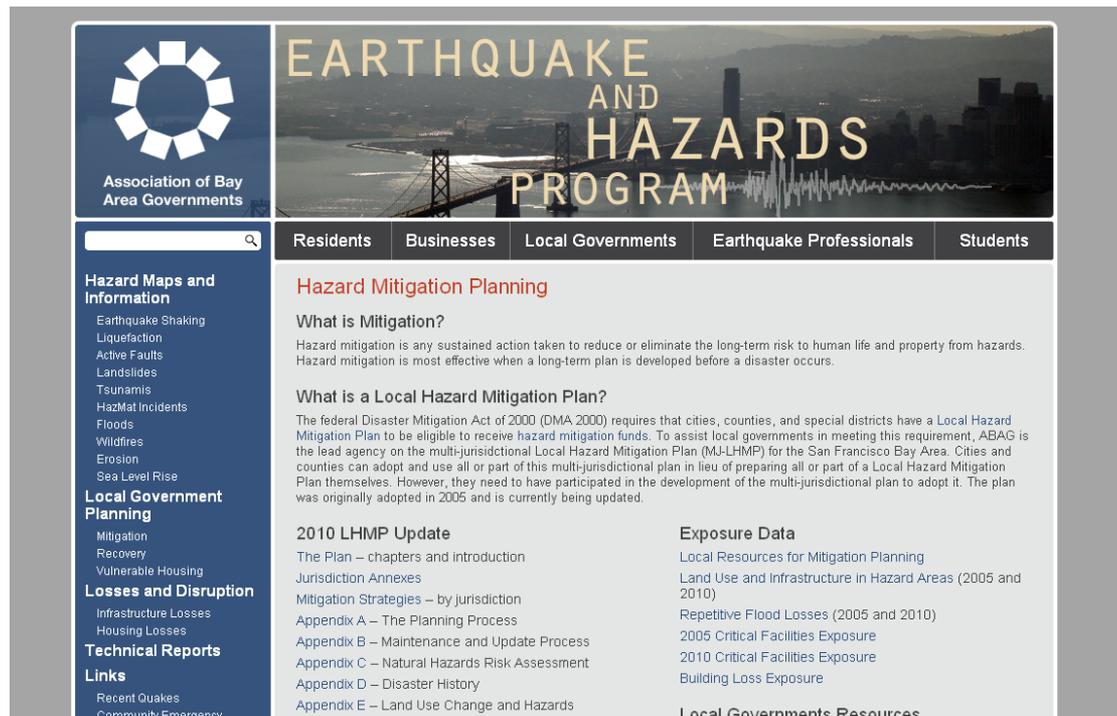
# Bay Area Multi-Jurisdictional Local Hazard Mitigation Plan Update

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# Where is ABAG's Local Hazard Mitigation Plan information on the internet?

<http://quake.abag.ca.gov/mitigation>



**Association of Bay Area Governments**

## EARTHQUAKE AND HAZARDS PROGRAM

Residents Businesses Local Governments Earthquake Professionals Students

### Hazard Mitigation Planning

#### What is Mitigation?

Hazard mitigation is any sustained action taken to reduce or eliminate the long-term risk to human life and property from hazards. Hazard mitigation is most effective when a long-term plan is developed before a disaster occurs.

#### What is a Local Hazard Mitigation Plan?

The federal Disaster Mitigation Act of 2000 (DMA 2000) requires that cities, counties, and special districts have a Local Hazard Mitigation Plan to be eligible to receive hazard mitigation funds. To assist local governments in meeting this requirement, ABAG is the lead agency on the multi-jurisdictional Local Hazard Mitigation Plan (MJ-LHMP) for the San Francisco Bay Area. Cities and counties can adopt and use all or part of this multi-jurisdictional plan in lieu of preparing all or part of a Local Hazard Mitigation Plan themselves. However, they need to have participated in the development of the multi-jurisdictional plan to adopt it. The plan was originally adopted in 2005 and is currently being updated.

#### 2010 LHMP Update

- The Plan – chapters and introduction
- Jurisdiction Annexes
- Mitigation Strategies – by jurisdiction
- Appendix A – The Planning Process
- Appendix B – Maintenance and Update Process
- Appendix C – Natural Hazards Risk Assessment
- Appendix D – Disaster History
- Appendix E – Land Use Change and Hazards

#### Exposure Data

- Local Resources for Mitigation Planning
- Land Use and Infrastructure in Hazard Areas (2005 and 2010)
- Repetitive Flood Losses (2005 and 2010)
- 2005 Critical Facilities Exposure
- 2010 Critical Facilities Exposure
- Building Loss Exposure

#### Local Governments Resources

**Hazard Maps and Information**

- Earthquake Shaking
- Liquefaction
- Active Faults
- Landslides
- Tsunamis
- HazMat Incidents
- Floods
- Wildfires
- Erosion
- Sea Level Rise

**Local Government Planning**

- Mitigation
- Recovery
- Vulnerable Housing

**Losses and Disruption**

- Infrastructure Losses
- Housing Losses

**Technical Reports**

**Links**

- Recent Quakes
- Community Emergency

# The federal Disaster Mitigation Act of 2000 (DMA 2000) focuses on –

- ◆ Mitigation before, rather than after, disasters
- ◆ Ties future mitigation funding to cities, counties, and special districts having “Local Hazard Mitigation Plans” completed

# Bottom Line

- 🔹 Eligible for
  - 🔹 MITIGATION Dollars from FEMA
  - 🔹 PDM-C Grants
  - 🔹 HMGP Grants
  - 🔹 Flood Grants

# New State Legislation impacts Public Assistance dollars for damage reimbursement

- ◆ AB 2140 (Hancock)
- ◆ **Waives** the 6.25% match requirement for Public Assistance damage reimbursement **if adopted as implementation appendix to Safety Element of General Plan**

# ABAG-led Multi-Jurisdiction Hazard Mitigation Plan

- ◆ Update to 2005 plan
- ◆ 114 participating jurisdiction
- ◆ Nine hazards that impact the Bay Area
  - ◆ five related to earthquakes (faulting, shaking, earthquake-induced landslides, liquefaction, and tsunamis)
  - ◆ four related to weather (flooding, landslides, wildfires, and drought).

# Requirements for participation

- ◆ Turn in Letter of Commitment – completed
- ◆ Turn in critical facilities – completed
- ◆ Turn in mitigation strategy spreadsheet – check <http://quake.abag.ca.gov/mitigation/strategy.html> to verify
- ◆ Provide two opportunities for public to comment on your mitigation strategies (one must be in person, the other can be online)
- ◆ Complete annex – this workshop
- ◆ Adopt plan by resolution of your governing body – pending FEMA approval of your annex

# Status of Multi-Jurisdictional Plan

- ◆ Submitted to FEMA December 2009
- ◆ Received comments from FEMA June 2010
  - ◆ ABAG addressing comments for multi-jurisdictional plan
  - ◆ Defined requirements of local jurisdiction annex
- ◆ ABAG to re-submit plan with sample annexes August 2010
- ◆ Jurisdictions must submit and receive FEMA approval for their annexes by June 9, 2011

# Goal of Jurisdictional Annex

- ◆ Provide information specific to your jurisdiction
- ◆ Identify any additional hazards or maps not covered in multi-jurisdictional plan
- ◆ Describe planning process undertaken by jurisdiction
- ◆ Describe public meetings held by jurisdiction
- ◆ Identify specific mitigation projects for next five years

# Annex Details

- ◆ 2005 Annex and resolution available on website for jurisdictions who participated  
<http://quake.abag.ca.gov/mitigation/plan.html>
- ◆ 2010 Annex template and sample resolution available at  
<http://quake.abag.ca.gov/mitigation/resources.html>
- ◆ FEMA approval required by June 9, 2011
- ◆ **Must** be adopted by jurisdiction's governing body as an **implementation appendix to Safety Element of General Plan** (for cities and counties)

# Annex - Introduction

- ◆ Description of your jurisdiction
  - ◆ Size, population, stats on the amount of government facilities, number of employees, number of buildings, area, etc.
  - ◆ Jurisdiction's operating budget
  - ◆ General geographic location of your jurisdiction.
  - ◆ Brief mention of past disasters.
  - ◆ Map of jurisdiction boundary

# Annex – Regional Planning Process

- ◆ Describe how your jurisdiction contributed to the development of the regional multi-jurisdictional plan
  - ◆ Participation in ABAG-led meetings and workshops (**see excel spreadsheet for list of meetings attended by each jurisdiction**)
  - ◆ Comments provided to ABAG on chapters and appendices
- ◆ Must have participated at least twice
  - ◆ If you're missing participation credit, please call Danielle at 510-464-7951

# Annex - Local Planning Process

- ◆ Describe the process your jurisdiction went through to develop mitigation priorities (strategy spreadsheet), identify and prioritize specific mitigation projects
- ◆ Identify internal departments involved in planning process
- ◆ **Keep record of names and contact information to provide upon FEMA request**

# Annex – Public Meeting

- ◆ Describe how you provided the public at least two opportunities to comment on your mitigation strategies BEFORE taking Annex to Board or Council for adoption
  - ◆ List dates, locations, description of attendance
- ◆ **Provide copies of meeting notices and screen shots of any web postings**
- ◆ Describe how public comments were incorporated into plan
- ◆ Describe how plan will be adopted in public meeting of Board/Council after FEMA approval

# Annex – Hazards Assessment

- ◆ Describe any additional hazards that affect your jurisdiction, not described in multi-jurisdictional plan (See nine hazards in earlier slide)
- ◆ Describe which hazards are most significant for your jurisdiction
- ◆ Describe any additional hazard mapping conducted by jurisdiction not included in multi-jurisdictional plan. See 2010 map atlas at <http://quake.abag.ca.gov/mitigation> for hazard maps used in plan.

# Annex – Past Occurrences of Disasters

- ◆ Describe how key major disasters listed in Appendix D of multi-jurisdictional plan affected your jurisdiction specifically. See <http://quake.abag.ca.gov/mitigation/ThePlan-D-Version-December09.pdf>
- ◆ Describe any additional locally-significant disasters not included in multi-jurisdictional plan (**list events where EOC was activated**)

# Annex - Risk Assessment

- ◆ Compare 2005 data to 2010 (if this is an update)
- ◆ Urban Land Exposure  
<http://quake.abag.ca.gov/mitigation/pickdbh2.html>
  - ◆ Choose **2005 Existing Land Use with 2009 Mapping** file
- ◆ Infrastructure Exposure  
<http://quake.abag.ca.gov/mitigation/pickdbh2.html>
  - ◆ Choose **Existing Infrastructure, 2010** file (when it becomes available)
- ◆ Critical Facilities  
<http://quake.abag.ca.gov/mitigation/pickcrit2010.html>

# Annex – Repetitive Loss Properties

- ◆ Describe repetitive flood loss properties within jurisdiction  
<http://quake.abag.ca.gov/mitigation/floodloss.html>
- ◆ In 2004 ABAG gathered data on number and location of repetitive flood loss properties in Bay Area. This data is available as a searchable database at above url
- ◆ Since 2004, ABAG only has data on total number of properties and amount of claims filed
  - ◆ This new data plus old data is available as a table at above url
  - ◆ Check with Public Works or your flood plain manager to determine if these new properties are within the mapped floodplain and whether the property is residential, commercial, institutional, etc.
- ◆ Compare 2010 with 2004 properties (if this is an update)

# Annex – Additional Risks

- ◆ Describe any additional risk assessment information you have or are working to collect
- ◆ Soft-story or building inventories
- ◆ Infrastructure inventories

# Annex – National Flood Insurance Program

- ◆ Describe participation in NFIP, including any changes since previously approved plan. Include all of the following information:
  - ◆ For special districts, explain that you are ineligible to participate
  - ◆ Date first joined NFIP
  - ◆ Identify actions related to continued compliance with NFIP
  - ◆ CRS member? CRS class?
  - ◆ Describe any data used to regulate flood hazard area other than FEMA maps
  - ◆ Have there been issues with community participation in the program?
  - ◆ What are the general hurdles for effective implementation of the NFIP?
  - ◆ Summarize actions related to continued compliance with NFIP

# Annex – Mitigation Goals

- ◆ Multi-jurisdictional plan goal: **To develop a disaster-resistant region** by reducing the potential loss of life, property damage, and environmental degradation from natural disasters, while speeding economic recovery from those disasters
- ◆ Describe any additional goals of your jurisdiction
- ◆ Describe objectives of your jurisdiction [Example: reduce number of private and public buildings vulnerable to earthquakes]

# Annex – Mitigation Activities and Priorities

- ◆ **Evaluation of Progress Since Previously Approved Plan**  
<http://quake.abag.ca.gov/mitigation/resources.html>
- ◆ List specific mitigation projects identified
- ◆ Was the strategy completed, deleted, deferred, or in progress?
- ◆ Who is responsible agency/department?
- ◆ What actions have been taken?
- ◆ What is the current status of the project?
- ◆ Related mitigation strategy number

# Annex – Mitigation Activities and Priorities

## ◆ Future Mitigation Actions and Priorities

<http://quake.abag.ca.gov/mitigation/resources.html>

- ◆ Identify specific mitigation projects to accomplish within the next 5 years. Include both uncompleted projects from 2005 and any new projects.
  - ◆ **How projects were identified and analyzed (cost/benefit analysis STAPLEE)**
  - ◆ Related mitigation strategy number
  - ◆ Hazards mitigated
  - ◆ Applies to new or existing assets?
  - ◆ Responsible department/agency
  - ◆ Estimated project cost
  - ◆ Potential funding sources
  - ◆ Estimated timeline for completion

# Criteria for evaluating mitigation projects— STAPLEE

- 💧 **Social**
- 💧 **Technical**
- 💧 **Administrative**
- 💧 **Political**
- 💧 **Legal**
- 💧 **Economic**
- 💧 **Environmental**

# Annex – Mitigation Activities and Priorities

## ◆ **On-going Mitigation Strategy Programs**

- ◆ List any on-going mitigation programs in your jurisdiction
  - ◆ Identified in your strategy spreadsheet as very high priorities
  - ◆ Projects identified in your previous annex, which have now been incorporated into everyday operating procedures
- ◆ List corresponding mitigation strategy number

# Annex - Incorporation into Existing Planning Mechanisms

- ◆ Identify existing applicable hazard mitigation codes, ordinances, policies, and mitigation plans
- ◆ Describe method for incorporation with these mechanisms
  - ◆ Safety Element of General Plan
  - ◆ CEQA requirements
  - ◆ Capital Improvements Plan
- ◆ Examples of this from last five years?

# Annex – Plan Update Process

- ◆ Describe how plan will be updated in five years
- ◆ Check with ABAG in four years to verify it plans to lead update process
- ◆ Identify responsible department
- ◆ Process for continued public involvement
- ◆ Designate Point of Contact

- Find all plan documents, data, and resources for local governments at <http://quake.abag.ca.gov/mitigation>