



**City of Los Angeles
Hazard Mitigation Plan Revision**

Meeting Summary

Steering Committee Meeting #2

January 26, 2017 9:00am – 11:00am

500 E. Temple Street, Los Angeles, CA 90012



Meeting Summary was composed on January 30, 2017 by Denise Davis, Senior Emergency Management Specialist, Tetra Tech.

Meeting Participants

1. Aho, Marissa	City of Los Angeles Mayor's Office
2. Boldt, Eric	National Oceanic Atmospheric Agency/NWS
3. Cousin, Faye	Los Angeles Emergency Management Department
4. Forbes, Roy	Citizen, CD 4
5. Han, Ahee	City of Los Angeles Mayor's Office
6. Helder, Emily	EMD, Public Health
7. Hudnut, Ken	United States Geological Survey
8. Ignatczyk, John	Los Angeles Fire Department
9. Hutton, Kate	City of Los Angeles Public Information Office
10. Kitching, Diana	City Planning
11. Lee, Tim	Information Technology
12. Martinez, E J	Housing and Community Investment
13. Newton Mann, Alyssa	USC Sea Grant
14. Park, Carol	Emergency Management Department
15. Peden, Erricka	Emergency Management Department
16. Shively, Paul	Community Emergency Response Team
17. Shu, Susan	Department of P/W – Engineering Bureau
18. Simmons, Clint	West Adams NC
19. Spencer, Amrita	Emergency Management Department
20. Wu, Lin	Dept. of Geography, CSU Pomona Polytechnic
21. Rob Flaner	Tetra Tech
22. Denise Davis	Tetra Tech

Welcome and Introductions

Faye Cousin (SC Chair, LA EMD); Rob Flaner (Project Manager, Tetra Tech)

- Faye Cousin and Rob Flaner welcomed participants to the meeting and self-introductions were conducted. Mr. Flaner conducted a review of the agenda for the meeting.

Planning Process

- Mr. Flaner asked the SC if they had reviewed the meeting summary from the previous SC meeting, and if there were any questions or changes necessary. There were no changes or questions and a motion to approve the meeting summary was made and approved. Mr. Flaner then asked the SC if there were any last changes to the final draft of the SC Charter that had been sent out via email for review. There were none and a motion to approve the SC Charter was made and approved. Mr. Flaner reminded SC members if they wanted to designate an alternate for the SC to send the information to Denise Davis.



- Mr. Flaner asked the SC if they had reviewed the California State Hazard Mitigation Plan and the 2011 City of Los Angeles Hazard Mitigation Plan, and if anyone had identified any changes or material that would enhance the existing HMP during the revision process. Mr. Flaner stated that the state plan includes earthquake, flood, and fire as the basic natural hazards and aggregates most of the other hazards. He acknowledged the state plan is not easy to review because there is nothing to compare the state plan with. Mr. Flaner reminded the SC that the law states natural hazards must be covered and non-natural hazards may be covered by choice. Comments made about the revision to the HMP included:
 - It should be more user friendly (Mr. Flaner added that two-thirds of the actions in an HMP impact private citizens and their property).
 - A lot has changed since 2011 and the plan needs to be more comprehensive with revised statistics and their implications.
 - The goals and objectives should be fleshed out.
 - We should consider what mitigation actions from the previous plan have been completed.
 - Add how to address change in climate – integrate that into the hazards of concern – instead of having a chapter on climate change, and include a discussion on strategic direction for the City.
 - Integrate the HMP with other plans and programs in the City.
 - Inform good land use issues.
 - Integrate the HMP as part of the safety element into the General Plan.

Plan Review

- Mr. Flaner read the 2011 HMP mission statement from the handout and asked the SC if they want to make changes to the statement. After some discussion, a suggestion was to add a purpose to the statement. After additional discussion, the resulting mission statement was suggested:
To reduce risk and increase resilience, the mission of the City of Los Angeles Local Hazard Mitigation Plan is to establish and promote a comprehensive mitigation policy and program to protect City residents, their property, public facilities, infrastructure and the environment from natural and manmade hazards. A motion to approve the revised mission statement was made and approved.
- Mr. Flaner led a discussion about the plan's goals and objectives. He stated he would like to recommend developing linear goals and objectives where the objectives are not subsets of the goals, but they both stand on their own merit. Mr. Flaner reminded the SC that the objectives in the HMP are used in formulating the risk assessment, which will inform other plans in the City, i.e., the general plan. A goals and objectives exercise was conducted to revise those in the 2011 HMP or develop new goals. A review of the previous HMP goals, the new Flood Plan goals, and goal statements from the exercise were reviewed and discussed. Out of the five previous goals, two were unchanged, three were adapted, and a new goal was added. The following goals were developed by the SC. A motion to approve these goals was made and approved.
 1. Protect life, property, and cultural resources.
 2. Increase public awareness.
 3. Coordinate with other programs that can support or enhance hazard mitigation.
 4. Increase emergency services effectiveness.
 5. Pursue cost-effective and environmentally sound mitigation measures.
 6. Strive to increase adaptive capacity based on future conditions: people, property, economy, and the environment.



- Mr. Flaner stated the initial list of hazards of concern for the HMP were put together by the City. A discussion on the hazards of concern ensued to ensure the list was comprehensive. The initial list of hazards includes:
 1. Earthquake
 2. Terrorism & Weapons of Mass Destruction (CBRNE)
 3. Urban / Wildland Interface Fire
 4. Flood – 100 year and 500 year scenarios
 5. Public Health Hazards
 6. Hazardous Materials
 7. Civil Unrest
 8. Transportation
 9. Drought
 10. Special Events
 11. Severe Weather
 12. Dam Failure
 13. Critical Infrastructure
 14. Tsunami
 15. Landslide/Debris Flow
 16. High Rise / High Occupancy Building Fire
 17. Radiological Incidence
 18. Climate Change
 19. Sea Level Rise
 20. Cyber Attack

Mr. Flaner stated most disasters are assessed qualitatively. To address a hazard quantitatively the models must be based on historical data. For earthquake hazards there are dozens of scenario based events for the Los Angeles area that could be used in the plan, although FEMA likes probabilistic models to look at building performance. Mr. Flaner suggested either two probabilistic models or five scenario events could be used in the HMP for the earthquake hazards. The SC chose five scenario events for the plan. Surface rupture is not listed in Hazus, but models of that may be included in the Catastrophic Earthquake Plan. Mr. Flaner stated the earthquake scenarios discussion would be tabled to the next meeting. Mr. Flaner stated in the plan every hazard will address primary and secondary hazards. Fire is addressed in urban and wildland interface fires. Flood hazards will use the new data from the new Flood Plan. The Flood Plan includes 10 year, 50 year, 100 year, and 500 year scenarios. It was suggested that the severe weather hazard be titled adverse weather to align with fire department plans. The public health hazard will include air quality. The dam failure hazard will include any inundation from dams through the city, even if the dam is outside of the city. For the tsunami hazard the Cal OES data set will be used. Tsunami hazards are not modeled with climate change impact. For sea level rise, the Coastal Commission stated to use data for a worst case scenario with the Coastal Storm Modeling System (COSMOS) and a mean (average). COSMOS, an interagency report, will be rolled out in the next two months. Mr. Flaner stated Tetra Tech intends to model sea level rise. The Planning Department has the budget for two sea level rise scenarios and is using the current FEMA flood study data. There was a suggestion to consider high risk bridges and movement of people as a hazard. Another suggestion was solar weather. Space weather, given the moniker by NASA, also includes electromagnetic pulse events and solar flares. The SC voted and agreed that space weather be added as a hazard due to the possibility of impacting utilities. The LADWP representative added that the project action plan will be a vastly different report on progress due to a better informed process. There was an open invitation by the USC Grant office for the AdaptLA Workshop, Modeling Meets Planning: Final Results from



the Coastal Storm Modeling System (CoSMoS) and Next Steps in Coastal Adaptation Planning. An invitation will be forwarded through the SC email roster.

- The SC briefly reviewed the critical facilities handout and those facilities designated in the 2011 HMP. A comment was made that the critical operating facilities listed are those facilities that primarily represent the function of command and control during an incident. Due to the time, Mr. Flaner told the SC to review the handout as a homework assignment and this agenda item would be determined at the next meeting.
- Mr. Flaner stated the public engagement will begin in early March. Pre-existing outreach opportunities will be a good source for public outreach along with public meetings. A website will be set up to post the SC planning process and invite the public to attend the SC meetings. Surveys have been used in previous hazard mitigation projects with some participation. Most recently Nextdoor was used for a survey with outstanding response from the public. Press releases will also be released and social media sites will post information. The SC will be collaborating with the Department on Disability and Public Information Office to ensure compliance with Section 508 and accessibility regulations.

Action Items and Next Steps

- Confirm Critical Facilities for the HMP
- Update the Risk Assessment
 - Mr. Flaner told the SC that they will get an update on the current risk assessment being done prior to the next meeting.
- Discuss Capability Assessment
- Discuss Plan Maintenance

Next Meeting Date

- The next meeting will be on February 23, 2017, from 1:00 – 3:00 at the City of Los Angeles EOC, 500 E. Temple Street, Los Angeles, CA 90012.

Adjourn

With no further questions, the meeting concluded at 10:55.

