Date/Time of Meeting:       June 2, 2020   6:00 p.m. – 7:30 p.m.
Team Attendance
City of LA: Romano Galissi, Susan Shu, Chan-Shien Lin, Vanessa Bulkacz
LA Chief Resilience Officer: Aaron Gross
Tetra Tech Consultants: Ira Artz, Steve Parker, Rob Flaner
Katherine Padilla & Associates (KPA): Lorena Hernandez, Jomel Rosel, and Thelma Herrera

1. The live virtual public meeting of the Floodplain Management Plan (FMP) 2020 Update began on time at 6:00 p.m. provided by the Bureau of Engineering.
   a. KPA led coordination and production efforts for the live virtual meeting to be available to stakeholders through the PublicInput platform. Members of the community were able to watch and participate in the meeting through their computer/laptop, tablet, or smartphone.
   b. The PublicInput website was up at the beginning of the public comment period on May 19, 2020. At the time of the website going live, a narrated video presentation prepared by KPA with Tetra Tech’s lead planner was available for the public to view and submit questions and comments. A notice of the virtual live meeting was also posted alerting site visitors to come back on June 2, 2020.
   c. Both the live virtual meeting and the pre-recorded video remained available to watch on demand thru June 9, 2020. The comment box remained open for new submissions during the entire public comment period.
   d. As part of the outreach strategy, a meeting flyer, social media messages and press release were drafted and submitted by KPA to the City of Los Angeles for distribution using the City’s internal communication channels.

2. The FMP virtual meeting began with a welcome and team introductions by Aaron Gross of the City Resilience Office. Following his opening of the meeting, Lorena Hernandez of KPA went over the meeting agenda and walked participants through on how to submit their questions during the presentation. Rob Flaner of Tetra Tech then conducted a PowerPoint presentation. Following the presentation, Ms. Hernandez opened and moderated a question and answer segment that lasted until 7:30pm, at which point, Mr. Gross thanked stakeholders for their participation and closed the meeting.

3. 317 visits were recorded for the virtual meeting and pre-recorded presentation with 31 comments received. The breakdown of viewings are:
   a. Before virtual meeting = 189
   b. During virtual meeting = 95
   c. After virtual meeting = 33

4. Attachments:
   a. Power Point presentation
   b. Photos of web pages of pre-recorded video presentation and the virtual meeting
   c. Comments received
City of Los Angeles
Comprehensive Flood Hazard Management Plan-Update

Final Public Comment Period

May 19 to June 9, 2020
COMMUNITY MEETING
Floodplain Management Plan Update 2020
Tuesday, June 2, 2020, 6:00pm - 7:30 pm

AGENDA

1) Welcome  City of Los Angeles
2) Introductions  City of Los Angeles
3) Presentation  Rob Flaner, Tetra Tech
4) Q & A  Community & Project Team

Thank you for participating!
What are we going to talk about?

● What is Mitigation?
● What is a Floodplain Management Plan (FMP)?
● Why develop a FMP?
● What is the Community Rating System (CRS)?
● What is the process for FMP Development?
● How will the FMP assess risk?
● The Draft Plan
What is Mitigation?

“Sustained action taken to reduce or eliminate long-term risk to life and property”
What is an FMP?

An overall strategy of programs, projects, and measures aimed at reducing the adverse impacts of flood hazards on the community.
What is an FMP?

- A well prepared plan will:
  - Perform a comprehensive review of alternatives;
  - Identify and prioritize actions;
  - Involve the public;
  - Educate the public;
  - Meet defined goals and objectives
Why Develop a FMP?

- Because flooding is a problem in the City of Los Angeles:
  - There have been more than 30 state or federal flood-related disaster declarations affecting the communities of Los Angeles County since 1950.
  - Los Angeles County was declared a federal disaster area 5 times since 1992.
Why develop a FMP?

- Types of flooding and flood-related hazards:
  - Alluvial fan flooding
  - Coastal flooding
  - Flash flooding
  - Fluvial flooding
  - Lake flooding
  - Levee flooding
  - Mudslides
  - Riverine flooding
  - Seiche
  - Tsunami
  - Dam inundation
Why develop a FMP?

- Can act as the keyway to funding
- Proactive vs. reactive
- The Community Rating System (CRS)
- Support other planning mechanisms
  - *City of Los Angeles Hazard Mitigation Plan*
  - *Land Use plans*
  - *LA River Master Plan*
- The blueprint for flood risk reduction
What is the NFIP?

- The National Flood Insurance Program (NFIP)
- Aims to reduce the impact of flooding on private and public structures. It does so by providing affordable insurance to property owners, renters and businesses and by encouraging communities to adopt and enforce floodplain management regulations.
- These efforts help mitigate the effects of flooding on new and improved structures.
- Flood insurance from the NFIP is only available in participating communities.
What is the Community Rating System (CRS)?

- A voluntary incentive program
- Part of the National Flood Insurance Program
- Administered by the Federal Emergency Management Agency (FEMA)
- Encourages National Flood Insurance Program (NFIP) Communities to perform floodplain management activities that exceed the minimum NFIP requirements.
The CRS and the City of LA

- The City of LA first joined the CRS program in 1991.

- As of October 1, 2005, the City has earned a Class 7 rating.

- Up to 15% reduction on flood insurance premium for residents purchasing or renewing their policies in the City.

- The 9,184 flood insurance policy holders are saving approximately $345,875 (average of $56 per policy) annually in insurance premiums.
The Plan Update Process

- **Primary objectives:**
  - Maximize points under the Floodplain Management Plan Activity
  - Improve CRS Class
  - Enhanced look at FEMA identified “repetitive loss” properties
  - Plan integration
- **Planning process will follow the CRS 10-step process**
- **Scope of work has 7 principal phases.**
The Steering Committee

- An 23 member Steering Committee is overseeing the FMP update
- Comprised of non-governmental and governmental stakeholders
- The Steering Committee met 6 times starting in July of 2019
- *All meetings were open to the public and advertised as such*
- Agendas and Meeting summaries are available on the City FMP website

https://eng.lacity.org/2020-steering
Mission Statement and Goals

**Mission Statement:**

"Improve community resilience to flood hazards and protect the health, safety, quality of life, environment and economy of the City of Los Angeles through partnerships and integrated planning."

**Goals**

1. Reduce flood risk.
2. Protect life.
3. Protect property.
4. Increase resilience of critical facilities and infrastructures.
5. Increase community awareness and public education.
6. Pursue cost effective, environmentally sound and multi-benefit mitigation measures.
7. Coordinate with other programs that can support or enhance flood mitigation.
Objectives

Eleven, measurable, stand alone objectives that met multiple goals we identified as follows:

1. Provide, improve and maintain flood protection.
2. Use the best available data, science and technologies to improve understanding of the locations and potential impacts of flood hazards, the vulnerability of building types and community development patterns, and the measures needed to protect life and safety.
3. Minimize the impacts of flood hazards on current and future land uses through implementation of appropriate codes, standards, and ordinances.
4. Retrofit, purchase, and relocate structures that are in flood hazard areas, especially those known to be repetitively damaged.
5. Maintain or enhance early warning emergency response systems, evacuation procedures, training and equipment.
6. Increase resilience and continuity of operations of critical facilities and infrastructure.

7. Pursue effective and efficient approaches to reducing stormwater runoff, protecting water quality and water resources.

8. Increase public awareness of existing flood risks and the means to reduce these risks by conducting educational and outreach programs.

9. Encourage and support leadership within the private sector, nonprofit agencies and community-based organizations to promote and implement local flood hazard mitigation activities.

10. Anticipate and minimize effects of climate change on flood risk.

11. Minimize adverse impacts from flood risk to vulnerable communities.
The City of LA
Flood Hazard Risk Assessment
What is Risk?

Risk is defined as a function of:

- Hazard
  - Source of potential danger or adverse condition
- Exposure
  - Manmade or natural features that are exposed to the hazard
- Vulnerability, and
  - Damage susceptibility of the exposed features
- Capability
  - Regulatory Capability
  - Technical Capability
  - Financial Capability
What is Risk Reduction?

**To reduce Risk:**

- **Manage the Hazard:**
  - E.G. structural flood control

- **Reduce Exposure:**
  - E.G. remove assets exposed to the hazard

- **Reduce Vulnerability:**
  - E.G. retrofitting

- **Increase capability:**
  - E.G. $, preparation, technical assistance, planning
Risk Assessment

- Assess hazard
  - Past events
  - Areas most affected
  - Frequency
  - Severity
  - Warning time for response

- Determine Exposure
- Assess Vulnerability
  - Loss Estimation
Risk Assessment

1. Hazard Locators (Soils, floodplains, landslides)
2. Inventories (Buildings, roads, critical areas)
3. Exposure (Direct and Indirect)
4. Disaster Scenario (Vulnerability assessments)
5. Suggest Risk Reduction Measures
What is Hazus-MH?

- HAZUS-MH is a powerful risk assessment methodology for analyzing potential losses from floods, hurricane winds and earthquakes.

- Current scientific and engineering knowledge is coupled with the latest geographic information systems (GIS) technology to produce estimates of hazard-related damage before, or after, a disaster occurs.
The Hazus Flood Model

Water Depth Damage Function

Subtract ground surface from flood surface to determine flood depth throughout the study area.
What is Repetitive Loss?

- **Definition:** Any property for which 2 or more flood insurance claims of more than $1,000 have been paid by the NFIP within any rolling 10-year period since 1978.

- FEMA records indicate there are approximately 155 repetitive loss properties in the City of LA.

- The FMP must address repetitive losses through a Repetitive Loss Area Analysis.
The Draft Plan

- Over 470 pages!
- Identifies and prioritizes 78 actions
- Actions are categorized into 6 categories:
  - Prevention
  - Property Protection
  - Public Education and Awareness
  - Natural Resource Protection
  - Emergency Services
  - Structural Projects
The Repetitive Loss Area Analysis

- Functional Annex to the FMP
- Looks at flood issues within identified repetitive loss areas
- Identifies 23 Repetitive Loss areas
- Takes the same 78 actions from the FMP and expands them for application to the repetitive loss areas.
- Will be implemented and maintained concurrently with the FMP
The Public Comment Period

- May 19th to June 9th, 2020

- Visit the following website for the draft plan and to learn how you can participate in the review process:
  
  https://eng.lacity.org/fmp-updates

- Once the public comment processed is closed, the plan will be submitted to FEMA’s CRS Contractor, The Insurance Services Office

- The final plan will be adopted by the City Council.

- Public can track plan implementation and maintenance via annual plan progress reporting by the County (Chapter 14)
How to Provide Comment

- Visit the following website during the Public Comment Period:
  
  https://publicinput.com/L8556

- Attend the Virtual Webinar live on June 2nd 2020, 6:00 to 7:30PM, PST, or watch on-demand until June 9th.

- Visit the website (https://eng.lacity.org/fmp-updates) and follow links to draft plan and e-mail comments to:
  
  Rob Flaner, CFM
  Tetra Tech, Inc.
  Rob.flaner@tetratech.com
BOE Contact Information

Chang Lin, P.E.
Street and Stormwater Division | Civil Engineer
Bureau of Engineering | Department of Public Works
1149 S. Broadway, Suite 800
Los Angeles, CA 90015
Mail Stop 494
O: 213-485-5099
E-mail: chang.lin@lacity.org
THANK YOU
Virtual Meeting June 2, 2020

City of Los Angeles Floodplain Management Plan

Virtual Public Meeting 6/2/2020

Welcome

City of Los Angeles Floodplain Management Plan - Virtual Meeting

JUN 2

YOU MAY NEED TO REFRESH YOUR SCREEN AT THE MEETING’S START TIME OR IF YOU EXPERIENCE LAGGING ISSUES OR INTERRUPTIONS

This page is available until June 9, 2020 to receive public comments/questions.

To watch the video in high definition: Once the video starts, click on the settings wheel at the bottom right-hand side of the video window and change the quality to 720p.

COMMUNITY MEETING
Floodplain Management Plan Update 2020
Tuesday, June 2, 2020, 6:00pm - 7:30 pm

AGENDA

1) Welcome
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Rob Flanner, Tetra Tech

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Community & Project Team

Thank you for participating!

Please enter your question/comment from the virtual meeting

Share your thoughts and ideas...

Your name (optional): Name

Comment
Pre-recorded presentation – May 19, 2020

Public comment period open from May 19 - June 9, 2020
## Comments Received Online

317 total visits (189 Pre-recorded presentation + 95 During Virtual Meeting + 33 After Virtual Meeting)

<table>
<thead>
<tr>
<th>Entry #</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>0001</td>
<td>What are your &quot;proactive&quot; flood risk reduction mitigation measures in the Glendale Narrows specifically impacting Atwater Village?</td>
</tr>
<tr>
<td>0002</td>
<td>What is your &quot;maintenance&quot; plan in LA River, Glendale Narrows, and Atwater Village?</td>
</tr>
<tr>
<td>0003</td>
<td>Where are the LA River levees address in your draft plan?</td>
</tr>
</tbody>
</table>
| 0004   | WE NEED YOUR HELP PLEASE!!!
UA |
| 0005   | The city is currently looking to expand properties along the LA River: Glendale/LA water Treatment Plant - expanding campus. City Service Yard master plan created which expands footprint. (if built) With potential flood risk from LA River, why is the city investing in river adjacent properties vs funding flood mitigation measures? |
| 0006   | Great information shared during this Virtual Meeting. Thank you. |
| 0007   | 4800 Block of Laurel Canyon Blvd. In Valley Village is Prone to flooding every moderate to heavy rains, This is a dangerous condition that WILL cause a serious injury and/or loss of life, I have asked the office of Councilman Kerkorian to assist in solving the problem, thanks to the Councilman's staff we were able to secure funds for a study to recapture the storm water and bring it down to the aquifer, great idea, my understanding that measure W has earmarked funds for flood control and that this project can be eligible for these funds. Staff at the Councilman's office has been overwhelmed with Covid 19 issues and has not been able to provide meaningful responses and my fear is that project will be delayed. As The Councilman Staff is not available to assist can you please direct me on how to advance this project? Again the condition during rain storms is hazardous and will definitely without any doubt lead to serious injuries and loss of life. Beside the Flood mitigation plan we have asked D.O.T to install 6 or 8 Bollards (simple inexpensive Bollards made out of Plastic) They never responded other than a message I received from the Councilman office that it takes more than a year to install. I guess we may have it by next May or June. We need this installed by September. This can help save lives. BTW the reason flooding intensified the last two years is because the City resurfaced Laurel Canyon sending the water above the Curb, above the sidewalk, straight into Commercial stores apartment building lobby and Underground Garages. We are thankful to the Councilman and his great staff but their hands are tied. CAN YOU PLEASE HELP US?
UA |
<p>| 0008   | Where do we email our comments? |
| 0009   | Can you explain table 13-6 |
| 0010   | 2015 I bought up the AV properties in SHFA - They are still not listed on ZIMAS, how is that being proactive? |
| 0011   | The meeting disappeared? |</p>
<table>
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<tbody>
<tr>
<td>0012</td>
<td>At the 2015 flood management update, I brought up that there are SFHA properties in Atwater Village. To this day properties are not in SFHA and there is no notification of potential SFHA in Atwater Village (Glendale Narrows)</td>
</tr>
<tr>
<td>0013</td>
<td>How can you discuss flood management without including the LA River - Glendale Narrows</td>
</tr>
<tr>
<td>0014</td>
<td>you said &quot;maintenance&quot; in your report - Levees, channel and etc.</td>
</tr>
<tr>
<td>0015</td>
<td>Maintenance would include the storm drains with levees and channel volume</td>
</tr>
<tr>
<td>0016</td>
<td>Sorry if I was not cleared on the Bollards, Water is 12-14 inches high and travels very fast at the South West corner, Cars heading south on Laurel Canyon drive on the parking lane and the Bike lane on the West Side of Laurel Canyon Blvd and also turning from Huston Street get trapped in deep water, some think of it as a recreational activity by driving large trucks into the water splashing pedestrians and retail stores, there is an open case number with DOT. The Bollards will prevent all this splashing.</td>
</tr>
<tr>
<td>0017</td>
<td>What about a warning system and evacuation plan for Atwater Village?</td>
</tr>
<tr>
<td>0018</td>
<td>You don't mention LA River Levee's in your plan - that I could find?</td>
</tr>
<tr>
<td>0019</td>
<td>1. It's unclear to me, which regions are in need of flood mitigations, based on your maps? We need a plan that shows us our areas mapped. 2. Why didn’t you map the properties? 3. Periodic maintenance needs to be addressed. Needs to be analyzed. It is inadequate in our reach, Elysian Valley. In our reach, it’s the US Army Corps of Engineers, and the arundo removal needs to be funded. I believe it may be funded. 4. Who asked the consultants to come up with the Risk assessment models that do not have specific maps? Dumb. How can you educate the public to really understand flood risk, if you don’t identify the sites? There is no LA River Master Planning, now with the public or the levies. Who told you that? The Mayor is not engaging with us. 5. Who decides what will be chosen to do? Why aren’t you including neighboring communities? How will you plan to help vulnerable communities if you don’t even inform them of the options, risks, costs, choices? 6. In the 2014 Flood Management Plan, you had a representative from the Alliance of River Communities, which is a coalition of 16 neighborhood councils. In the 2017 version--which is becoming the 2020 FMP, you did not reach out to the neighborhood councils, or invite any representative from the 99 NC's on your steering committee. Why aren't you engaging more with the community on this update? Especially if you plan to ask for public funds soon to do this work. 7. I live in the 100 year and 500 year flood zone in the central region, along the LA River. I never received a letter on this flood maintenance plan. I think all property owners should be notified and you should inform them of this plan, if you intend to ask us to pay taxes. Thanks</td>
</tr>
<tr>
<td>0020</td>
<td>Since you are not addressing the LA River in your flood management plan... how are adjacent communities to know what risk management measures are being discussed?</td>
</tr>
<tr>
<td>0021</td>
<td>What do the numbers on the table correlate to?</td>
</tr>
<tr>
<td>0022</td>
<td>AB 162 requires public info today... not in the future.</td>
</tr>
<tr>
<td>0023</td>
<td>Comment: I might be in a flood zone and your plan does not address my area - Atwater Village. This report doesn't seem relevant to me</td>
</tr>
<tr>
<td>Entry #</td>
<td>Comment</td>
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</tr>
<tr>
<td>0024</td>
<td>How much of the Flood Control tax the county charges properties, is invested in the LA River?</td>
</tr>
<tr>
<td>0025</td>
<td>Your EAST APC 100 and 500 year maps match 7-19 and 7-20?</td>
</tr>
<tr>
<td>0026</td>
<td>FYI: your maps for EAST APC 7-19 and 7-20 seem to match?</td>
</tr>
<tr>
<td>0027</td>
<td>Can you please provide the e-mail address for Aaron Gross from the Mayor's office? UA</td>
</tr>
<tr>
<td>0028</td>
<td>We need a city/county sponsored mitigation study in Glendale Narrows... that would help &quot;reduce&quot; flood risk AND SHOULD BE INCLUDED IN YOUR FLOOD MANAGEMENT &quot;PLAN&quot;</td>
</tr>
<tr>
<td>0029</td>
<td>LA River/Glendale Narrows area is looking at paying SFHA insurance... be proactive in your plan for our area too.</td>
</tr>
<tr>
<td>0030</td>
<td>Those maps match... look at them.</td>
</tr>
<tr>
<td>0031</td>
<td>I have spoken to the United States Army Corps of Engineers, Chief of Hydraulics, Tim Fairbanks, and he recommends that the City of LA hold on updating any flood plain map until the United State Army Corps of Engineers provides updated mapping to the City of Los Angeles, Coming by end of August, 2020. I was disappointed by your outreach, since I am on my neighborhood council and on the regional alliance of neighborhood councils and you never briefed us, or emailed us information about your planning process. Your press release had the name and phone number of a person who never answered or got back to us. The public meetings were not held in the flood plain, nor did they invite residents or property owners in the flood plain. Instead they went to the affluent northern portions of the region, at venues that were not primarily flood plain management. I heard 6 people showed up in Studio City. I have looked at the list of mitigations and they are simply a list; no thought gone into implementation. No real costs. No real effort at getting them done. No analysis of the problems. No reference of specific areas that need work. No reference to levies in the draft plan. Very unhappy about the lack of coordination with City, County, US ACE and FEMA on this application and draft floodplain management plan. Hold off on finishing this, until you have an accurate map and real mitigations. As a taxpayer and property owner, I have rights, and the City is required to notify me when they remap and rezone my property and i hope they do it properly, because I am in the new 100 year flood zone. Our neighbors speak Spanish and they do not have college degrees. I urge you to make this information more easily understandable and to get it out to us, in multiple languages. We did not receive any information from the City in 2015 or this time.</td>
</tr>
</tbody>
</table>