December 31, 2018

To: Distribution

2018 FLOODPLAIN MANAGEMENT PLAN IMPLEMENTATION PROGRESS REPORT DISTRIBUTION

Dear Floodplain Management Plan Steering Committee Members and Stakeholders:

Enclosed is the 2018 Floodplain Management Plan (FMP) Implementation Progress Report for the City of Los Angeles. This report describes the progress and latest issues affecting the Floodplain Management Plan and floodplains of the City. This report is prepared annually as a requirement of the National Flood Insurance Program (NFIP) of which the City of Los Angeles is a participant. This final FMP Progress Report incorporates comments by the FMP Steering Committee, which includes citizen and City staff committee members. This copy of the Floodplain Management Plan Implementation Progress Report is provided for your reference and use.

If you have any questions, contact Chang Lin at 213-485-4578. Thank you.

Sincerely,

Steven J. Chen, Division Engineer
Street and Stormwater Division
Distribution:

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Susan Shu, BOE
Chang Lin, BOE
Romano Galassi, BOE
Carol Armstrong, BOE
Norman Mundy, BOE
Jesus Acosta, DBS
Lawrence Quirante, DBS
Veronica Lopez, DBS
David Chang, DBS
Claire Bowin, DCP
Deborah Kahen, DCP
Christine Saponara, DCP
David Malin, Port of LA
Quentin Frazier, LA Port Police, Harbor Department
Martin Adams, DWP
Shahram Kharaghani, BOS/WPD
Azya Jackson, BOS/WPD
Julie Jacobe, BOS
Ming Gong, BSS
Craig Shaw, BSS
Aida Valencia, BSS
Larry Meyerhofer, EMD
David Paschal, GSD
Jackie Keene, CD 2
Andrew Suh, CD 4
Lynell Washington, CD 8
Andrew Westall, CD 10
Chad Molnar, CD 11
Stephanie Uy, CD 12
Paul Habib, CD 14
Jenny Chavez, CD 15
Eduardo Escobar/Pat Wood/Michael Chen, LACDPW/FMP Planning Committee
Solomon Miranda, CADWR/FMP Planning Committee
Carvel Bass, USACE/FMP Planning Committee
Eduardo T. De Mesa, USACE/FMP Planning Committee
John Romero, LA Police Department/FMP Planning Committee
Emmanuel Tan/Cliff Plumb, DWP/FMP Planning Committee
Captain John Ignatczyk, LA Fire Department/FMP Planning Committee
Robert Freeman, EMD/FMP Planning Committee
Shahen Akelyan, DBS/FMP Planning Committee
Frank Wada, FMP Planning Committee
Clint Simmons, FMP Planning Committee
Iovanka Todt, FMP Planning Committee
Lisa Sarkin, FMP Planning Committee
Mike Greenspan, FMP Planning Committee
Pat Rome, FMP Planning Committee
Roy Forbes, FMP Planning Committee
Dr. Andre Ellis, FMP Planning Committee
Dr. Stewart Fliege, FMP Planning Committee
Dan McManus, FMP Planning Committee
Dr. Lin Wu, FMP Planning Committee
Dr. Stewart Fliege, FMP Planning Committee
Dr. Tom Williams, FMP Planning Committee
Elena Popp, FMP Planning Committee
Hector Huezo, FMP Planning Committee
Jose Aguilar, FMP Planning Committee
Jose Gutierrez, FMP Planning Committee
Larry Bogatz, FMP Planning Committee
Marcia Hobbs, FMP Planning Committee
Nancy Steele, FMP Planning Committee
Randall Davis, FMP Planning Committee
Ruben Chavez, FMP Planning Committee
Sarah Rascon, FMP Planning Committee
Shelly Backlar, FMP Planning Committee
Tom Horn, FMP Planning Committee
Tracey Chavira, FMP Planning Committee
2018 Floodplain Management Plan
Progress Report
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2018 FMP PROGRESS REPORT  
City of Los Angeles, California  
Floodplain Management Plan Progress Report

Reporting Period: October 2017 to September 2018

I. Background: The City's first Floodplain Management Plan (FMP) was launched in 2001 with the purpose of reducing the flood damage by identifying resources, information, and strategies for risk reduction. Two subsequent updates were developed in 2010 and 2015 which were all adopted by the City Council. This document is the Implementation Progress Report for the year of 2018. To prepare the 2018 FMP Progress Report, the City organized resources, assessed risks from flooding, reviewed mitigation alternatives, and updated an action plan to address probable impacts from floods. The 2018 FMP Progress Report is available on-line at: http://eng.lacity.org/ referencesfmp

II. Summary Overview of the Plan's Progress: The targeted duration for the FMP2015 began in October of 2015 with the next anticipated plan update to occur prior to October of 2020. Given that the FMP2015 has targeted 80 flood hazard mitigation actions to be pursued during the 5-year performance period, the following overall progress for the performance review period of October 2017 through September 2018 can be reported as followed:

- 56 out of 80 actions (70.00%) reported perpetual ongoing plans.
- 1 out of 80 actions (1.25%) were reported as being completed.
- 23 out of 80 actions (28.75%) reported long-term plans for which no action has been taken yet.

III. Purpose: The purpose of this progress report is to provide an annual progress report on the implementation of the action plans identified in the FMP2015. The objective is to ensure that there is a continuing and responsive planning process that will keep the FMP2015 dynamic and responsive to the needs and capabilities of the City and stakeholders. This report discusses the following:

- Flood events that have occurred within the last year
- Changes in risk exposure within the City of Los Angeles
- Mitigation success stories
- Review of the action plan
- Changes in capabilities that could impact plan implementation
- Recommendations for changes/enhancements

IV. The Floodplain Management Plan Steering Committee: The Floodplain Management Plan Steering Committee, made up of stakeholders within the City of Los Angeles, usually review and approve this progress report at its annual meeting held in October of each year. This year, in preparation for the upcoming FMP2020 update and identifying opportunities and strategies to improve City’s CRS rating, the City staff could not find a suitable time to conduct the meeting and have decided to host a conference call to answer questions that committee members may have about the progress report. As part of the FMP2015’s development process, it was determined that a steering committee would remain in service to oversee its maintenance. At a minimum, the Steering Committee will provide technical review and oversight on the development of the annual progress report. It is anticipated that there will be turnover in the membership annually, which will be documented in the progress reports. For this reporting period, the Steering Committee membership is indicated in Table 1 shown on the following page.
<table>
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<tr>
<th>Agency</th>
<th>Representative Name</th>
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<tbody>
<tr>
<td>Bureau of Engineering, City of LA</td>
<td>Susan Shu</td>
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<td>City Planning, City of LA</td>
<td>Claire Bowin</td>
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<td>Building and Safety, City of LA</td>
<td>Shahen Akelyan</td>
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<td>Emergency Management, City of LA</td>
<td>Robert Freeman</td>
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<td>Fire Department, City of LA</td>
<td>Captain John Ignaczyk</td>
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<td>Bureau of Sanitation, City of LA</td>
<td>Shahram Kharaghani</td>
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<tr>
<td>Department of Water and Power, City of LA</td>
<td>Cliff Plumb</td>
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<tr>
<td>Port of Los Angeles (Harbor Department)</td>
<td>Quentin Frazier</td>
</tr>
<tr>
<td>Real-time Analysis and Critical Response Division, Police Department, City of LA</td>
<td>John Romero</td>
</tr>
<tr>
<td><strong>Stormwater Engineering Division, Los Angeles County</strong></td>
<td><strong>Pat Wood</strong></td>
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<tr>
<td>Department of Public Works</td>
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<td>CA Department of Water Resources</td>
<td>Solomon Miranda</td>
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<tr>
<td>US Army Corps of Engineers</td>
<td>Eduardo T. De Mesa</td>
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<tr>
<td>Department of Geography, California State Polytechnic University, Pomona</td>
<td>Dr. Lin Wu</td>
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<tr>
<td>Los Angeles Area Chamber of Commerce</td>
<td>Sarah Rascon</td>
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<tr>
<td>Friends of the Los Angeles River</td>
<td>Shelly Backlar</td>
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<tr>
<td>Geosciences and Environment, California State University, Los Angeles</td>
<td>Dr. Andre Ellis</td>
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<tr>
<td>Alliance of River Communities</td>
<td>Hector Huezlo</td>
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<tr>
<td>Citizen, CD 4</td>
<td>Roy Forbes</td>
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<tr>
<td>Water Committee, Sierra Club Angeles Chapter</td>
<td>Dr. Tom Williams</td>
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<tr>
<td>West Adams NC</td>
<td>Clint Simmons</td>
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<td>Citizen, Los Angeles CERT</td>
<td>Larry Bogatz</td>
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<td>Citizen, North Hills CCC</td>
<td>Mike Greenspan</td>
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<tr>
<td>Citizen, Brentwood HOA</td>
<td>Dr. Stewart Flige</td>
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</tbody>
</table>
V. **Flood Events:** Per County of Los Angeles precipitation records for the 2017-18 water year (from October 1, 2017 to September 30, 2018), the Downtown Los Angeles (USC) gauge ended the water year with 4.72 inches of rain. This is about 67.9% below average rainfall of 14.69 inches. There is no flood event during this reporting period.

VI. **Changes in Risk Exposure:** There were no changes to the FIRM.

VII. **Mitigation Success Stories (P-33, P-50 Action Plan Items):**

1. **San Pedro 3rd Street Relief Storm Drain**

To relieve potential flooding concerns within the FEMA designated 100-yr flood zone near the intersection of Grand Avenue and 4th Street in the San Pedro community of the City of Los Angeles, a relief storm drain project was implemented. The project constructed a new storm drain along 3rd Street from 3rd Street and Grand Avenue to just west of the intersection of 3rd Street and Pacific Avenue.

The work was completed in May 2018.

2. **Dona Pegita Drive Emergency Storm Drain Repair**

The Bureau of Sanitation reported a sink hole near the intersection of Dona Pegita Dive and Dona Lisa Drive. An emergency repair request was issued by the Bureau of Sanitation for the Bureau of Engineering to perform emergency repair using pre-qualified on-call contractors. The project replaced the damaged 36-inch pipe with associated transition structures.

The work was completed in August 2018.

3. **300 Block of Las Casas Avenue Emergency Storm Drain Repair**

An emergency request was issued by the Bureau of Sanitation to repair existing collapsed 24-inch pipe located near the 300 Block of Las Casas Avenue. The project replaced an approximately 140 feet of the 24-inch pipe with pipe anchors and slope stabilizers.

The work was completed in April 2018.

VIII. **Review of the Action Plan:**

All action plans from the FMP2015 Chapter 14 have been brought forward as on-going recommendations to provide flood hazard mitigation benefits. The numbering from the FMP2015 was carried over into the progress report. Table 2 lists recommended action plans along with the following information:

- The agencies responsible for overseeing implementation of the action. Where multiple agencies are listed, a lead agency is identified by underlining in the table.
- Possible funding sources
- A qualitative estimate of project cost
- A proposed timeline, as follows:
  - Short Term = to be completed in 1 to 5 years
  - Long Term = to be completed in greater than 5 years
— On-going = currently being funded and implemented under existing programs.

The action plan was also prioritized according to the benefit/cost analysis, funding availability and the immediacy of the need for each project as follows:

• **High Priority** — A project that meets multiple objectives, has funding secured or is an ongoing project and meets eligibility requirements for a grant program. High priority projects can be completed in the short term (1 to 5 years). The key factors for high priority projects are that they have funding secured and can be completed in the short term.

• **Medium Priority** — A project that meets goals and objectives and for which funding has not been secured but is grant eligible. Project can be completed in the short term, once funding is secured. Medium priority projects will become high priority projects once funding is secured. The key factor for medium priority projects is that they are eligible for funding, but do not yet have funding secured, and they can be completed within the short term if their funding is secured.

• **Low Priority** — A project that will mitigate the risk of a hazard, for which benefits are difficult to quantify and funding has not been secured. Therefore, the time line for completion is unknown (1 to 10 years). Low priority projects may be eligible for grant funding from other programs.

Acronyms of lead departments responsible for submitting the funding request and/or providing the fund are as follows:

• BOE—Bureau of Engineering, Department of Public Works
• BOS—Bureau of Sanitation, Department of Public Works
• BSS—Bureau of Street Services, Department of Public Works
• CAO—Chief Administrative Office
• DBS—Department of Building and Safety
• DCP—Department of City Planning
• GSD—General Services Department
• LAWA—Los Angeles World Airports (Department of Airports)
• RAP—Department of Recreation and Parks
• DWP—Department of Water and Power
• EMD—Emergency Management Department
• LAFD (FD)—Los Angeles Fire Department
• POLA (HD)—Port of Los Angeles (Harbor Department)
• LACDPW/LACFCD—L.A. County Department of Public Works/ L.A. County Flood Control District
• LD—Library Department
• LAPD (PD)—Los Angeles Police Department
<table>
<thead>
<tr>
<th>Lead Department</th>
<th>Possible Funding Sources</th>
<th>Estimated Project Cost</th>
<th>Time Line</th>
<th>Priority</th>
</tr>
</thead>
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<tr>
<td>P-1—Maintain the City Tsunami Response Plan Annex and community education effort and participate in the Los Angeles County Operational Area Tsunami Mitigation Task Force.</td>
<td>EMD, HD</td>
<td>General Fund, HD</td>
<td>Low. Work performed by existing staff</td>
<td>Ongoing</td>
</tr>
<tr>
<td>P-2—Continue to partner with the NOAA and the NWS, who provide tsunami warning information to the state, the county, and the city.</td>
<td>EMD, HD, FD</td>
<td>General Fund, HD</td>
<td>Low. Work performed by existing staff</td>
<td>Ongoing</td>
</tr>
<tr>
<td>P-3—Maintain the City Tsunami Response Plan Annex as part of the City’s Emergency Operations Organization Master Plan.</td>
<td>EMD, HD</td>
<td>General Fund, HD</td>
<td>Low. Work performed by existing staff</td>
<td>Ongoing</td>
</tr>
<tr>
<td>P-4—Update evacuation plans for areas potentially affected by a tsunami according to California State Office of Emergency Services tsunami inundation maps and the City’s Tsunami Response Plan Annex. Forward these evacuation plans to appropriate agencies for coordination (police, sheriff, Los Angeles County, etc.).</td>
<td>EMD, FD, PD</td>
<td>General Funds; Possible grants</td>
<td>Low. Work performed by existing staff</td>
<td>Ongoing</td>
</tr>
<tr>
<td>P-5—Continue to maintain and annually update the Dam and Reservoir Emergency Notification List.</td>
<td>DWP, LACFCD, LACDPW</td>
<td>DWP, LACDPW</td>
<td>Low. Work performed by existing staff</td>
<td>Ongoing</td>
</tr>
<tr>
<td>P-6—Continue to evaluate reservoirs in terms of earthquake safety and implement necessary mitigation or improvement measures, as required by the California Department of Water Resources Division of Safety of Dams.</td>
<td>DWP, LACFCD, LACDPW</td>
<td>DWP, LACDPW</td>
<td>High</td>
<td>Ongoing</td>
</tr>
<tr>
<td>P-7—Continue to collect and analyze data regarding water volumes and pumping capabilities in water storage facilities provided by the Los Angeles Water Systems Data Acquisition Center to prevent catastrophic events.</td>
<td>DWP, LACFCD, LACDPW</td>
<td>DWP</td>
<td>Low. Work performed by existing staff</td>
<td>Ongoing</td>
</tr>
<tr>
<td>P-8—Continue to dispatch reservoir inspection and damage teams following natural disasters to inspect and report the condition of facilities.</td>
<td>DWP, LACFCD, LACDPW</td>
<td>DWP</td>
<td>Low. Work performed by existing staff</td>
<td>Ongoing</td>
</tr>
<tr>
<td>P-9—Continue to routinely monitor the existing structural condition of City-owned water storage facilities.</td>
<td>DWP</td>
<td>DWP</td>
<td>Low. Work performed by existing staff</td>
<td>Ongoing</td>
</tr>
<tr>
<td>P-10—Maintain a flood threat recognition system for properties downstream of City-owned water tanks.</td>
<td>DWP, EMD</td>
<td>DWP</td>
<td>Low. Work performed by existing staff</td>
<td>Ongoing</td>
</tr>
<tr>
<td>P-11—Prepare and update emergency plans for water tanks and other non-dam systems.</td>
<td>DWP</td>
<td>DWP</td>
<td>Medium</td>
<td>Ongoing</td>
</tr>
<tr>
<td>Lead Department(s)</td>
<td>Possible Funding Sources</td>
<td>Estimated Project Cost</td>
<td>Time Line</td>
<td>Priority</td>
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<tr>
<td>P-12—Continue to provide and participate in community education and outreach programs and events in the City.</td>
<td>General Fund</td>
<td>Low. Work performed by existing staff</td>
<td>Ongoing</td>
<td>High</td>
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<tr>
<td>EMD, BOE, DCP, HD, FD, PD, DBS, DWP</td>
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<td>P-13—Maintain the City’s Emergency Management Department and Ready LA websites and other City social media sites to provide emergency preparedness information to the general public and media.</td>
<td>General Fund</td>
<td>Low. Work performed by existing staff</td>
<td>Ongoing</td>
<td>High</td>
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<tr>
<td>EMD</td>
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<tr>
<td>P-14—Distribute information regarding flood prevention and flood insurance at emergency operations and emergency preparedness events.</td>
<td>General Fund, Stormwater Pollution Abatement Fund</td>
<td>Low. Work performed by existing staff</td>
<td>Ongoing</td>
<td>High</td>
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<tr>
<td>BOE, EMD</td>
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<tr>
<td>P-15—Maintain the City’s Emergency Operations Master Plan and Procedures including, but not limited to, periodic plan updates and training and exercises.</td>
<td>General Fund</td>
<td>Low. Work performed by existing staff</td>
<td>Ongoing</td>
<td>High</td>
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<tr>
<td>EMD</td>
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<tr>
<td>P-16—Make sand and sand bags available to flood risk property owners during the wet season, provide notifications of the availability of these materials, and track the distribution of the materials.</td>
<td>General Fund; Stormwater Pollution Abatement Fund</td>
<td>Low. Work performed by existing staff</td>
<td>Ongoing</td>
<td>High</td>
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<tr>
<td>BOE, BSS EMD, FD</td>
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<tr>
<td>P-17—Maintain and improve the drainage complaint database to help identify flood risks.</td>
<td>Stormwater Pollution Abatement Fund</td>
<td>Low. Work performed by existing staff</td>
<td>Ongoing</td>
<td>High</td>
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<tr>
<td>BOE</td>
<td></td>
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<tr>
<td>P-18—Maintain and improve a technically based prioritization methodology for use in developing the stormwater capital improvement program.</td>
<td>Stormwater Pollution Abatement Fund</td>
<td>Low. Work performed by existing staff</td>
<td>Ongoing</td>
<td>High</td>
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<tr>
<td>BOE, BOS</td>
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<tr>
<td>P-19—Maintain regular contact with surrounding cities, the Los Angeles County Department of Public Works, and state and federal agencies regarding flood hazard mitigation and the National Flood Insurance Program.</td>
<td>Stormwater Pollution Abatement Fund; General Fund</td>
<td>Low. Work performed by existing staff</td>
<td>Ongoing</td>
<td>High</td>
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<tr>
<td>BOE, CAO, EMD, LACDPW</td>
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<td>P-20—Network with other agencies and participate in organizations such as the Association of State Floodplain Managers, CA Floodplain Management Association and the National Association of Flood and Stormwater Management Agencies to remain current in the field of floodplain management.</td>
<td>Stormwater Pollution Abatement Fund</td>
<td>Low. Work performed by existing staff</td>
<td>Ongoing</td>
<td>High</td>
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<tr>
<td>BOE, BOS</td>
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<tr>
<td>P-21—Provide training and necessary support to foster Certified Floodplain Managers within the Department of Public Works and other Departments with floodplain management responsibilities.</td>
<td>Stormwater Pollution Abatement Fund</td>
<td>Low. Work performed by existing staff</td>
<td>Ongoing</td>
<td>High</td>
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<tr>
<td>BOE, BOS</td>
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<tr>
<td>Lead Department</td>
<td>Possible Funding Sources</td>
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<td>Time Line</td>
<td>Priority</td>
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<td><strong>P-22</strong>—Conduct an annual National Flood Insurance Program seminar for City agencies responsible for applying and enforcing floodplain management regulations.</td>
<td>Stormwater Pollution Abatement Fund</td>
<td>Low. Work performed by existing staff</td>
<td>Ongoing</td>
<td>High</td>
</tr>
<tr>
<td><strong>P-23</strong>—Based on the annual National Flood Insurance Program seminar, update operational procedures and training materials for staff who apply and enforce floodplain management regulations and provide annual training.</td>
<td>General Fund</td>
<td>Low. Work performed by existing staff</td>
<td>Ongoing</td>
<td>High</td>
</tr>
<tr>
<td><strong>P-24</strong>—Maintain Geographic Information System mapping and modeling capability to support the stormwater facilities condition assessment program.</td>
<td>Stormwater Pollution Abatement Fund</td>
<td>Low. Work performed by existing staff</td>
<td>Ongoing</td>
<td>High</td>
</tr>
<tr>
<td><strong>P-25</strong>—Continue to maintain precise survey benchmarks throughout the City.</td>
<td>General Fund</td>
<td>Low. Work performed by existing staff</td>
<td>Ongoing</td>
<td>High</td>
</tr>
<tr>
<td><strong>P-26</strong>—Develop and maintain a citywide list of priority maintenance-related flood problem sites.</td>
<td>Stormwater Pollution Abatement Fund</td>
<td>Low. Work performed by existing staff</td>
<td>Ongoing</td>
<td>High</td>
</tr>
<tr>
<td><strong>P-27</strong>—Based on the citywide list of priority maintenance-related flood problem sites (see P-26), conduct necessary inspection and maintenance at priority maintenance-related flood problem sites prior to the wet season and after significant storms.</td>
<td>Stormwater Pollution Abatement Fund</td>
<td>Low. Work performed by existing staff</td>
<td>Ongoing</td>
<td>High</td>
</tr>
<tr>
<td><strong>P-28</strong>—Provide public education about keeping the stormwater system free of debris, the blockage of flow paths and reporting violations.</td>
<td>Stormwater Pollution Abatement Fund</td>
<td>Low. Work performed by existing staff</td>
<td>Ongoing</td>
<td>High</td>
</tr>
<tr>
<td><strong>P-29</strong>—Post “No Dumping” signs at points of entry to the stormwater system.</td>
<td>Stormwater Pollution Abatement Fund (City)</td>
<td>Low. Work performed by existing staff</td>
<td>Ongoing</td>
<td>High</td>
</tr>
<tr>
<td><strong>P-30</strong>—Maintain a map for potential landslide and mudflow areas.</td>
<td>General Fund, Stormwater Pollution Abatement Fund</td>
<td>Low. Work performed by existing staff</td>
<td>Ongoing</td>
<td>High</td>
</tr>
<tr>
<td><strong>P-31</strong>—Update the established policy for identifying substantial improvement projects that is consistent with FEMA requirements as needed.</td>
<td>General Fund, Stormwater Pollution Abatement Fund</td>
<td>Low. Work performed by existing staff</td>
<td>Ongoing</td>
<td>High</td>
</tr>
<tr>
<td>Lead Department</td>
<td>Possible Funding Source</td>
<td>Estimated Project Cost</td>
<td>Time Line</td>
<td>Priority</td>
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<tr>
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</tr>
<tr>
<td>P-32—Verify, through the plan check process and post development review, that new development complies with the regulations in the City’s Ordinance for the Management of Flood Hazards (Ordinance No. 172,081), including freeboard requirements on new construction and substantial improvements.</td>
<td>Stormwater Pollution Abatement Fund; General Fund</td>
<td>Low. Work performed by existing staff</td>
<td>Ongoing</td>
<td>High</td>
</tr>
<tr>
<td>P-33—Provide information to the Flood Hazard Mitigation Coordinator on July 1 of each year for preparation of the Annual Floodplain Management Plan Evaluation Report. Describe the progress made for each mitigation action and any floodplain management regulatory actions and compliance actions conducted during the reporting period, including the number of permits approved in designated flood hazard areas, the number of waivers applied for, and the number of waivers approved.</td>
<td>Stormwater Pollution Abatement Fund; General Fund</td>
<td>Low. Work performed by existing staff</td>
<td>Ongoing</td>
<td>High</td>
</tr>
<tr>
<td>P-34—Maintain a filing system for all Elevation Certificates that includes a process for obtaining accurately completed Elevation Certificates that is based upon a review and approval of all elevation certificates prior to the closure of a permit record.</td>
<td>Stormwater Pollution Abatement Fund; General Fund</td>
<td>Low. Work performed by existing staff</td>
<td>Ongoing</td>
<td>High</td>
</tr>
<tr>
<td>P-35—Continue to refine the use of the Plan Check and Inspection System to track high-risk properties and ensure that drainage is adequately addressed through the plan check process.</td>
<td>Stormwater Pollution Abatement Fund; General Fund</td>
<td>Low. Work performed by existing staff</td>
<td>Ongoing</td>
<td>High</td>
</tr>
<tr>
<td>P-36—Incorporate floodplain management information into the Zoning Information and Map Access System (ZIMAS).</td>
<td>Stormwater Pollution Abatement Fund; General Fund</td>
<td>Low. Work performed by existing staff</td>
<td>Ongoing</td>
<td>High</td>
</tr>
<tr>
<td>P-37—Transfer electronic data annually to the Flood Hazard Mitigation Coordinator regarding structures damaged due to flooding caused by catastrophic events.</td>
<td>General Fund</td>
<td>Low. Work performed by existing staff</td>
<td>Ongoing</td>
<td>High</td>
</tr>
<tr>
<td>P-38—Transfer electronic data annually regarding hazardous materials storage (including water-reactive chemicals).</td>
<td>General Fund</td>
<td>Low. Work performed by existing staff</td>
<td>Ongoing</td>
<td>High</td>
</tr>
<tr>
<td>P-39—Continue to notify insurance agencies and realtors of the requirement that all lessors or renters give written notice to all prospective and interested parties—including but not limited to, purchasers, lessee and renters—prior to finalization of a transaction when the subject land and/or structures are located within FEMA-designated flood zones. The notice shall comply with the latest version of CRS manual.</td>
<td>Stormwater Pollution Abatement Fund</td>
<td>Low. Work performed by existing staff</td>
<td>Ongoing</td>
<td>High</td>
</tr>
<tr>
<td>Lead Department</td>
<td>Possible Funding Sources</td>
<td>Estimated Project Cost</td>
<td>Time Line</td>
<td>Priority</td>
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</tr>
<tr>
<td><strong>P-40</strong>—Provide flood zone information to all residents. Provide notifications when flood insurance is required. Provide notifications when FEMA-designated flood zone changes are made.</td>
<td>Stormwater Pollution Abatement Fund</td>
<td>Low. Work performed by existing staff</td>
<td>Ongoing</td>
<td>High</td>
</tr>
<tr>
<td><strong>P-41</strong>—Develop and distribute flood protection information and materials to property owners and developers in high-risk areas including FEMA mapped floodplains and areas outside of mapped floodplains.</td>
<td>Stormwater Pollution Abatement Fund; General Fund</td>
<td>Low. Work performed by existing staff</td>
<td>Ongoing</td>
<td>High</td>
</tr>
<tr>
<td><strong>P-42</strong>—Maintain a list of critical facilities in the city as documented in the City’s Local Hazard Mitigation Plan. Provide flood protection information to operators of critical facilities in FEMA-designated flood zones. Encourage the implementation of flood protection measures at such facilities.</td>
<td>Stormwater Pollution Abatement Fund; General Fund</td>
<td>Low. Work performed by existing staff</td>
<td>Ongoing</td>
<td>High</td>
</tr>
<tr>
<td><strong>P-43</strong>—Maintain a current list of city-owned or city-leased properties located in FEMA-designated flood zones.</td>
<td>General Fund; Stormwater Pollution Abatement Fund</td>
<td>Low. Work performed by existing staff</td>
<td>Ongoing</td>
<td>High</td>
</tr>
<tr>
<td><strong>P-44</strong>—Continue to investigate repetitive loss properties as they are identified by FEMA. Annually notify repetitive loss property owners about local flood hazards and proper protection activities. Provide technical advice regarding flood protection and flood preparedness. Distribute a current repetitive loss property questionnaire to new repetitive loss properties.</td>
<td>Stormwater Pollution Abatement Fund</td>
<td>Low. Work performed by existing staff</td>
<td>Ongoing</td>
<td>High</td>
</tr>
<tr>
<td><strong>P-45</strong>—Identify high risk areas in the City. Provide annual investigation and notification to property owners of high risk areas about local flood hazards and proper protection activities. Provide technical advice regarding flood protection and flood preparedness. Distribute a current flood hazard questionnaire to new owners in high risk areas.</td>
<td>Stormwater Pollution Abatement Fund</td>
<td>Low. Work performed by existing staff</td>
<td>Ongoing</td>
<td>High</td>
</tr>
<tr>
<td><strong>P-46</strong>—In the Plan Check and Inspection System database, flag repetitive loss properties and high risk areas for review and approval of building permit applications by the Flood Hazard Mitigation Coordinator.</td>
<td>Stormwater Pollution Abatement Fund; General Fund</td>
<td>Low. Work performed by existing staff</td>
<td>Ongoing</td>
<td>High</td>
</tr>
<tr>
<td><strong>P-47</strong>—Request that FEMA modify the repetitive loss property list based on mitigation projects implemented by owners or other responsible parties.</td>
<td>Stormwater Pollution Abatement Fund</td>
<td>Low. Work performed by existing staff</td>
<td>Ongoing</td>
<td>High</td>
</tr>
<tr>
<td><strong>P-48</strong>—Identify possible sources of funding (increased cost of compliance funds, mitigation grant funds, and others), and provide this information to repetitive loss property owners.</td>
<td>Stormwater Pollution Abatement Fund</td>
<td>Low. Work performed by existing staff</td>
<td>Ongoing</td>
<td>High</td>
</tr>
<tr>
<td>P-49</td>
<td>Establish standards and/or incentives for the use of structural and nonstructural techniques that mitigate flood hazards and manage stormwater pollution.</td>
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<tr>
<td><strong>BOE, BOS</strong></td>
<td>Stormwater Pollution Abatement Fund</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Estimated Project Cost</td>
<td>Low. Work performed by existing staff</td>
<td></td>
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<tr>
<td>Time Line</td>
<td>Ongoing</td>
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<tr>
<td>Priority</td>
<td>High</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>P-50</th>
<th>Plan and design stormwater projects so that water quality is protected and flood risks are reduced on site and off site.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BOE, BOS, DBS</strong></td>
<td>Stormwater Pollution Abatement Fund</td>
</tr>
<tr>
<td>Estimated Project Cost</td>
<td>Low. Work performed by existing staff</td>
</tr>
<tr>
<td>Time Line</td>
<td>Ongoing</td>
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<tr>
<td>Priority</td>
<td>High</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>P-51</th>
<th>Continue to require environmental review in the development process to provide for the protection of, or creation of natural resources that can mitigate the impacts of the development.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BOE, DBS, DCP</strong></td>
<td>General Fund</td>
</tr>
<tr>
<td>Estimated Project Cost</td>
<td>Low. Work performed by existing staff</td>
</tr>
<tr>
<td>Time Line</td>
<td>Ongoing</td>
</tr>
<tr>
<td>Priority</td>
<td>High</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>P-52</th>
<th>Continue to implement environmentally sensitive property management at City-owned sites.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DGS, DOA, DRP, DWP, HD</strong></td>
<td>Various</td>
</tr>
<tr>
<td>Estimated Project Cost</td>
<td>Low. Work performed by existing staff</td>
</tr>
<tr>
<td>Time Line</td>
<td>Ongoing</td>
</tr>
<tr>
<td>Priority</td>
<td>High</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>P-53</th>
<th>The Steering Committee will meet at least one time during the year to develop the annual Floodplain Management Plan Evaluation Report and recommend any updates to the plan.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BOE, CAO, Steering Committee</strong></td>
<td>Stormwater Pollution Abatement Fund; General Fund</td>
</tr>
<tr>
<td>Estimated Project Cost</td>
<td>Low. Work performed by existing staff</td>
</tr>
<tr>
<td>Time Line</td>
<td>Ongoing</td>
</tr>
<tr>
<td>Priority</td>
<td>High</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>P-54</th>
<th>Update a City-wide Watercourse Permit Manual.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BOE</strong></td>
<td>General Fund, Possible grants</td>
</tr>
<tr>
<td>Estimated Project Cost</td>
<td>Low. Work performed by existing staff</td>
</tr>
<tr>
<td>Time Line</td>
<td>Ongoing</td>
</tr>
<tr>
<td>Priority</td>
<td>High</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>P-55</th>
<th>Update the City’s floodplain management website to promote awareness of the National Flood Insurance Program.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BOE, EMD</strong></td>
<td>General Fund, Stormwater Pollution Abatement Fund</td>
</tr>
<tr>
<td>Estimated Project Cost</td>
<td>Low. Work performed by existing staff</td>
</tr>
<tr>
<td>Time Line</td>
<td>Ongoing</td>
</tr>
<tr>
<td>Priority</td>
<td>High</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>P-56</th>
<th>Develop a program for regular condition assessment of stormwater facilities to identify the physical and hydraulic condition of the system and to support infrastructure management needs.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BOE, BOS</strong></td>
<td>Stormwater Pollution Abatement Fund</td>
</tr>
<tr>
<td>Estimated Project Cost</td>
<td>High</td>
</tr>
<tr>
<td>Time Line</td>
<td>Long-Term</td>
</tr>
<tr>
<td>Priority</td>
<td>Medium</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>P-57</th>
<th>Conduct a systematic evaluation of FEMA designated flood zones and revise/update designated flood zones to reflect current conditions. Any revised data generated by the City will be provided to FEMA with a request for effective map revision.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BOS, BOE</strong></td>
<td>Stormwater Pollution Abatement Fund</td>
</tr>
<tr>
<td>Estimated Project Cost</td>
<td>High</td>
</tr>
<tr>
<td>Time Line</td>
<td>Long-Term</td>
</tr>
<tr>
<td>Priority</td>
<td>Medium</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>P-58</th>
<th>Evaluate current development regulations, including the grading ordinance and zoning ordinance, to determine whether the standards provide sufficient protection for adjacent (downstream or down-slope) development.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DCP, DBS, BOE, BOS</strong></td>
<td>Stormwater Pollution Abatement Fund; General Fund</td>
</tr>
<tr>
<td>Estimated Project Cost</td>
<td>Low</td>
</tr>
<tr>
<td>Time Line</td>
<td>Long-Term</td>
</tr>
<tr>
<td>Priority</td>
<td>Low</td>
</tr>
<tr>
<td>Table 2: Action Plan Matrix</td>
<td></td>
</tr>
<tr>
<td>----------------------------</td>
<td></td>
</tr>
<tr>
<td><strong>Lead Department</strong></td>
<td>Possible Funding Sources</td>
</tr>
<tr>
<td>P-59 — Update the Map of Hillside Areas (BOE Basic Grid Map A-13372) to more accurately reflect areas subject to hillside regulations based on latest data and regulations (CF 09-1390 and related documents).</td>
<td>Stormwater Pollution Abatement Fund; General Fund</td>
</tr>
<tr>
<td>P-60 — Study and recommend solutions to conflicts between height limitations and flood mitigation elevation requirements for structures.</td>
<td>Stormwater Pollution Abatement Fund; General Fund</td>
</tr>
<tr>
<td>P-61 — Research and continue to improve municipal code regulations regarding soil stability and erosion abatement.</td>
<td>Stormwater Pollution Abatement Fund; General Fund</td>
</tr>
<tr>
<td>P-62 — Require that all land division proposals in FEMA-designated flood zones include base flood elevation data including recordation of this information on final plats.</td>
<td>Stormwater Pollution Abatement Fund; General Fund</td>
</tr>
<tr>
<td>P-63 — Evaluate flood hazards to City-owned or city-leased properties in FEMA-designated flood zones and develop mitigation recommendations.</td>
<td>Stormwater Pollution Abatement Fund</td>
</tr>
<tr>
<td>P-64 — Develop a model educational program for hillside properties in general and Mandeville Canyon in particular. The target audience should be, at minimum, residents and real estate agents.</td>
<td>Stormwater Pollution Abatement Fund, Grants</td>
</tr>
<tr>
<td>P-65 — Develop an annual inspection program of watercourse obstructions and revetments in Mandeville Canyon.</td>
<td>General Fund, Grants</td>
</tr>
<tr>
<td>P-66 — Maintain self-registry for vulnerable populations with access and functional needs and strive to identify sources of public safety hazards caused by a Tsunami event and develop evacuation/response plans. (See meeting minutes for recommended language change from EMD on page 19.)</td>
<td>General Funds; Possible grants</td>
</tr>
<tr>
<td>P-67 — If funding is available, develop evacuation plans for areas potentially affected by a catastrophic dam failure, as identified in the Dam Inundation Map of the General Plan, and forward these evacuation plans to appropriate agencies for coordination (police, sheriff, Los Angeles County, etc.).</td>
<td>General Funds; Possible grants</td>
</tr>
<tr>
<td>Lead Department(s)</td>
<td>Possible Funding Sources</td>
</tr>
<tr>
<td>--------------------</td>
<td>--------------------------</td>
</tr>
<tr>
<td><strong>P-68</strong> — Maintain self-registry for vulnerable populations with access and functional needs and strive to identify sources of public safety hazards caused by a catastrophic dam failure and develop evacuation/response plans.</td>
<td>EMD, PD, DWP, DOA, DOD</td>
</tr>
<tr>
<td><strong>P-69</strong> — Implement the Tujunga Wash Stream bank Protection Project.</td>
<td>BOE, BOS</td>
</tr>
<tr>
<td><strong>P-70</strong> — Conduct regular coordination meetings with the Los Angeles County Department of Public Works to communicate the City’s list of priority stormwater projects, discuss watershed management programs, and develop countywide standards.</td>
<td>BOE, BOS</td>
</tr>
<tr>
<td><strong>P-71</strong> — Where appropriate, support retrofitting, purchase, or relocation of structures in hazard-prone (high risk) areas to prevent future structure damage. Give priority to properties with exposure to repetitive losses.</td>
<td>BOE, BOS, DCP, DGS</td>
</tr>
<tr>
<td><strong>P-72</strong> — Utilize risk based information from the City of Los Angeles Comprehensive Floodplain Management Plan and the City of Los Angeles Hazard Mitigation Plan to update the Safety Element of the City’s general plan pursuant to CA Assembly Bill 2140 (AB-2140)</td>
<td>PD, DCP</td>
</tr>
<tr>
<td><strong>P-73</strong> — Institute a program for the capture of perishable data (e.g., high water marks, damages, functional downtime) following flood events within the City, most notable in portions of the City where flooding occurs that have not been identified as a hazard area on existing FEMA or City maps.</td>
<td>BOE, PD, BOS</td>
</tr>
<tr>
<td><strong>P-74</strong> — Continue to maintain/enhance the city’s classification under the Community rating System (CRS) as a means to mitigate the impacts from flood insurance reform.</td>
<td>BOE, DCP, DGS</td>
</tr>
<tr>
<td><strong>P-75</strong> — Where feasible, cost effective and supported both publicly and politically, restore the natural and beneficial floodplain functions of appropriate floodplains within the City. For this action, appropriate means a floodplain that has been identified through a master plan or study certified by a qualified agency.</td>
<td>BOE, BOS, DCP, DGS</td>
</tr>
<tr>
<td>Lead Departmenta</td>
<td>Possible Funding Sources</td>
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<tr>
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</tr>
<tr>
<td>P-76—Utilizing the best available data and science, consider probable impacts to all forms of flooding from climate change when making program enhancements or updates to the City’s comprehensive floodplain management program. This would include but is not limited to: codes, ordinances, plans, studies, public information programs and city directives.</td>
<td>BOE, BOS, DCP, General Fund</td>
</tr>
<tr>
<td>DGS, DBS</td>
<td>DCP, BOE, BOS General Fund</td>
</tr>
<tr>
<td>P-77—Update the open space and conservation elements of the general plan and identify ways to promote the preservation and enhancement of the beneficial functions of floodplains.</td>
<td>BOE, BOS Federal and State Funds, Possible grants General Fund</td>
</tr>
<tr>
<td>P-78—Coordinate floodplain management programs within the Los Angeles River impact area with those projects identified in the Los Angeles River Revitalization Master Plan.</td>
<td>BOS, BOE General Fund</td>
</tr>
<tr>
<td>P-79—Upon completion, adopt the Enhanced Watershed Management Plans for City of Los Angeles watersheds.</td>
<td>BOE, BOS Possible grants, General Fund</td>
</tr>
<tr>
<td>a. Where multiple departments are listed, the underlined department will be the lead agency for overseeing implementation of the action</td>
<td></td>
</tr>
</tbody>
</table>

**Proposed Revisions**

| P-66-R1— EMD coordinates access to Federal Empower data that identifies residents of the City who may have disabilities or other medical conditions, access or functional needs that increase their vulnerability to disasters. This information can be used by field level incident commanders or the City’s Emergency Operations Center (EOC) in order to ensure timely and efficient evacuation of vulnerable populations in events such as fires, floods, and tsunamis. | EMD, FD, PD, General Funds Low-Work On-going High |
| BOE, DOA, DOD | performed by existing staff |
X. Changes That May Impact Implementation of the Plan:

1. Potential addition of Special Flood Hazard Area (SFHA) near Glendale Narrows of Los Angeles River

In April 20, 2017, the City of Los Angeles (CITY) submitted an application for a Letter of Map Revision (LOMR) to FEMA for review and approval. The application package includes the hydraulic modeling for 100-year and 500-year storm events for the existing conditions of an approximately 13-mile-stretch of the Los Angeles River, from Barham Boulevard to 1st Street in the CITY. The modeling was done by the United States Army Corps of Engineers (USACE) using the Hydrologic Engineering Center River Analysis System (HEC-RAS) 5.0.5 software in order to generate preliminary floodplain maps for 100-year and 500-year storm events. A letter from FEMA, dated October 23, 2017, was received by the CITY indicating that the application was under review and requesting additional technical data. The City and USACE are working together to provide the technical information as requested. Addition information can be found online at: http://eng.lacity.org/la-river-glendale-narrows-lomr

If and when the LOMR application is approved, FEMA will issue Preliminary Flood Insurance Rate Map (FIRM) for public review/comments before Final Map is issued. There is a 6 months of adoption period before the new FIRM becomes effective.

2. Ballona Creek Physical Map Revision

The City of Los Angeles has received a notification letter dated June 21, 2018 from FEMA indicating that the proposed modified flood hazard determinations (FHDs) for the Ballona Creek Physical Map Revision have been finalized. The modified FHDs and revised map panels were made effective as of December 21, 2018, which superseded any prior Flood Insurance Rate Maps (FIRMs) for the area. FEMA previously released Preliminary FIRMs for a 90-day statutory appeal period from 9/7/2017 and ended on 12/05/2017.

More information can be found in the website below:
http://eng.lacity.org/ballona

3. Open Pacific Coastal Map Revision for Los Angeles County

FEMA’s Open Pacific Coast (OPC) Study in Region 9 is part of the California Coastal Analysis and Mapping Projects (CCAMP) and FEMA’s Risk Mapping, Assessment, Planning (Risk MAP) program. The OPC Study revises and updates the coastal flooding and wave data for the Flood Insurance Study reports and Flood Insurance Rate Map panels for 15 California counties, including Los Angeles County and its subsidiary cities. FEMA distributed the preliminary FIRM panels, FIS report, Summary of Map Actions (SOMA) and GIS database for Los Angeles County and Incorporated Areas on October 28, 2016. Consultation Coordination Officer (CCO) meetings to review flood risk information and ordinance adoption for the new map revision were held on December 6-7, 2016.

The 90-day public appeal and comment period for the review of Preliminary FIRMs started on August 9th and ended on November 6, 2017. Due to comments received from City of Malibu, FEMA agreed to review the comments and revised Preliminary FIRMs in early 2019 with an effective date scheduled in Summer 2019. Additional information can be found online at:
http://eng.lacity.org/preliminary-open-pacific-coast-study
XI. **Recommendations for Changes or Enhancements:** Based on the review of this report by the Floodplain Management Plan Steering Committee, the following recommendations will be noted for future updates or revisions to the Annual Progress Report:

- Color coordinate the Action Plan Matrix priorities *(High, Medium, Low)*
- Coordinate with EMD to prepare a Self-Registry for ADA, aging and homeless groups.

XII. **Repetitive Loss Property (RLP):**

RLPs are those properties for which two or more losses of at least $1,000 each have been paid under the National Flood Insurance Program (NFIP) within any 10-year rolling period since 1978. Based on latest record provided by FEMA, as of September 19, 2018, there are a total of 155 RLPs in the City of Los Angeles. This information is updated yearly when data becomes available. For the City of Los Angeles, in most instances, these RLPs are located in FEMA designated areas considered to be of "minimal flood risk." However, many of these properties are located in fire-prone-hillside-areas that became unstable after a fire event which denuded the vegetation that had previously kept the soils intact.

Since the FMP was first adopted in 2001, the total number of RLPs has increased by 38 for a total of 155 properties. Figure 1 shows the trend of RLPs since 2001. As of September 19, 2018, our records indicate 124 active (Unmitigated) RLPs and 31 RLPs are now inactive (Mitigated). Inactive properties are the ones that have not filed a flood loss claims within a 10 year period, and have been removed from the RLP list by FEMA based on the field investigations, reports provided by private property owner and City staff.

*Figure 1- Temporal distribution of number of properties on the RLP list*

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**Public review notice:** The contents of this report are considered to be public knowledge and have been prepared for total public disclosure. Copies of the report have been provided to the City of Los Angeles governing board and to local media outlets and the report is posted on the City’s floodplain management plan website. Any questions or comments regarding the contents of this report should be directed to: Eng.NFIP@LACity.Org
Appendix A

2018 Floodplain Management Plan (FMP) Progress Report

Steering Committee Conference Call Meeting Minutes
December 12th, 2018 from 10am to 11am

A. ATTENDEES

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Total Attendees: 16 members

B. CALL TO ORDER

Susan Shu and Sylvia Dhimdis from City of Los Angeles, Bureau of Engineering (BOE) started the meeting. BOE called committee members’ names followed by government agencies to take note of all representatives partaking in the conference call meeting.

C. PURPOSE OF MEETING

The purpose of the meeting was to review the drafted 2018 Floodplain Management Plan (FMP) Progress Report, which was emailed to all invitees approximately one week prior to the scheduled conference call meeting. The recommendations and comments from the meeting will be considered to move forward with the approval process with all attendees’ concurrence.
D. DISCUSSION

1. Sylvia did an overview of the 2018 FMP Progress Report by going over each section in the report and specifically highlighting which sections changed from the previous 2017 FMP Progress Report.

2. Mike Greenspan asked for action plans P-33, P-34, and P-41 from Section IX, Table 2 to be read out loud, since in his print copy was not readable due to overlapping text. Sylvia Dhimidis read all three action plans requested word for word.

3. Sylvia Dhimidis proceeded with discussing changes in Section X (Changes That May Impact Implementation of the Plan). For the ontential addition of SFHA near Glendale Narrows of Los Angeles River, City and USACE are still working together to provide the additional technical information requested from FEMA after the City had submitted the Letter of Map Revision (LOMR). If the LOMR application is approved, it would be required to go through public review/comments process. There is a six months of adoption period before the new maps become effective. Secondly, for the Ballona Creek Physical Map Revision, City received a letter in June 2018 from FEMA indicating that the proposed modified Flood Hazard Determination for Ballona Creek Physical Map Revision has been finalized and the new maps will become effective this December 21st, 2018. City is in the process of updating their website with the new flood maps. Lastly, for the Open Pacific Coastal Map Revision for Los Angeles County, the study revised and updates the coastal flooding and wave data for the Flood Insurance Study (FIS) reports and Flood Insurance Rate Map (FIRM) Panels for fifteen (15) California counties. FEMA distributed the preliminary FIRM panels, FIS report, Summary of Map Actions, and GIS database for Los Angeles County and incorporated areas on October 28, 2016. The 90-day public appeal and comment period for the review of the Preliminary FIRM started on August 9th and ended on November 6, 2017. Due to public comments received, FEMA agreed to review the comments and expects Final FIRM release in early 2019. For Section XII [Repetitive Loss Property (RLP)], FEMA added one more RLP, result in 155 RLPs in the City of Los Angeles as of September 19, 2018. That wraps up the overview/changes of the 2017 FMP Progress Report. Sylvia opens the floor for questions and recommendations.

4. John Ignaczyk from Los Angeles Fire Department (LAFD) inquired whether there has been any revision or edit to the Action Plan Matrix and if there is still time to make changes. Susan Shu clarified that revision can still be made since the City is still finalizing the draft. John Ignaczyk pointed out that the Los Angeles Fire Department (LAFD) does not maintain any type of registry list stated in Action Plan P-66. The LAFD works jointly with other city departments including Los Angeles Police Department (LAPD) and Emergency Management Department (EMD) when it comes to emergency response, and that registry information were often shared among the emergency response team. However, LAFD do not maintain any sort of self-registry at the moment. Rob Freeman from EMD said parts of P-66 are handled by EMD and other parts are not as written in the 2015 FMP Update. Rob said EMD has a NotifyLA system that currently allows people to self-register, but it does not provide for people to list their disability or other vulnerabilities since those are considered sensitive privacy-related data. EMD, however, does have access to the Federal Empower database on a case by case basis through the Los Angeles County Department of Public Health database. The Federal Empower database is a federal registry of individuals that are known to have medical issues and other disabilities. When EMD prepares to do evacuations for Tsunamis or other hazards, the Emergency Operation Center (EOC) can access such database and share the information with LAFD and LAPD. Decisions on evacuations can be made based on that information; however, the self-registry on NotifyLA does not require people to self-identify medical conditions or disabilities due to privacy concerns. John Ignaczyk recommended working with Rob Freeman on changing the verbiage of P-66 as both LAFD and EMD do not maintain a registry with disability information, whereas the federal government is in charge of maintaining the Empower database with vulnerability information and made the info available to states, counties, and other local municipalities. However, all the information available as of now does not contain a comprehensive listing of all residents that have disabilities. Rob Freeman mentioned that EMD are transitioning to the better ever rich product, which would give people the option to disclose disabilities on a voluntary basis. In the meantime, the City departments would have to rely on the Empower database to get the self-registry
information. Sylvia Dhimdis requested EMD and LAFD to work together and email her the recommended language.
(Note: On 12-18-2018, EMD sent the recommended language for Action Plan P-66 - "EMD coordinates access to Federal Empower data that identifies residents of the City who may have disabilities or other medical conditions, access or functional needs that increase their vulnerability to disasters. This information can be used by field level incident commanders or the City’s Emergency Operations Center (EOC) in order to ensure timely and efficient evacuation of vulnerable populations in events such as fires, floods and tsunamis.")

5. John Ignatczyk had an inquiry on action plan P-2. He recommended adding language on providing "adverse weather conditions" information in addition to Tsunami information currently stated especially since NOAA and NWS would often provide advance notification to local emergency response teams regarding adverse weather condition. Rob Freeman from EMD concurred on Tsunami warning being notified through NOAA and NWS via wireless emergency alert system and/or amber alert, but also pointed out that Tsunami warnings are different from other adverse weather conditions such as heavy rain, flooding, and flash storm as Tsunami is more of a regional alert with mandatory evacuation, whereas for other flash flood and severe storm events, NOAA often leave it up to the local municipalities to decide on whether to initiate emergency responses (i.e. road closure, evacuation, etc.). Both Rob Freeman and John Ignatczyk agree to leave it as is.

6. Pat Wood from LA County, requested Table One to change their division name to Stormwater Engineering Division, reason being, NFIP group moved to a new division. Secondly, Pat Wood recommended language change for page 16, Repetitive Loss Property section, second paragraph last sentence. Pat Wood’s understanding is that the 10-year period is a rolling 10-year period since 1978. Susan Shu, confirmed that was correct. Pat Wood recommended changing language from “have not filed flood loss claims within the past 10 years” to “have not filed flood loss claims within a 10-year period” since that is the FEMA definition of an RLP.

7. Given no additional comments were voiced regarding the draft, Susan Shu proceeded with closing out the meeting. She announced that City is getting ready for the 2020FMP Update and is in the process of selecting a consultant for the preparation of the 2020 FMP. City would also like to encourage community participation by inviting more people to sit on the steering committee for the 2020 FMP Update. Rob Freeman from EMD mentioned that Larry Meyerhofer should be contacted for the upcoming FMP update. Susan asked all participants whether they were in concurrence with approving the 2018 FMP Progress Report based on the changes recommended in the meeting and no one voiced any objections.

8. Susan Shu said the City hopes to have the final 2018 FMP Progress Report done by the end of this year. Everyone will be invited back early next year for the preparation of the 2020 FMP.