

County of Los Angeles 2025 Floodplain Management Plan Revision



4th Floodplain Management Plan (FMP) Meeting Wednesday, November 12, 2024, 10:00 a.m. to 11:30 p.m. PST Virtual Meeting

<u>Attendees</u>	<u>Organization</u>	<u>Type</u>
Glenn Tong	PW Building & Safety	Government (Alternate)
Eden Berhan	PW Stormwater Maintenance	Government
Tera Haramoto	PW Building & Safety	Government
Joshua Felton	PW Building & Safety	Government (Alternate)
Angine Geragoosian	PW Emergency Management Group	Government (Alternate)
Pat Wood	PW Stormwater Engineering – CRS	Government
	Coordinator	
Gary (Yong) Guo	PW Stormwater Engineering – Hydrology	Government (Alternate)
	& Hydraulics	
Luis Garcia	PW Stormwater Planning	Government (Alternate)
Nam Doan	PW Community Service & Government	Government (Alternate)
	Relations Group	
Katri Eskridge	PW Community Service & Government	Government
	Relations Group	
Gina Natoli	LA County Dept. of Regional Planning	Government
Debbie Sharpton	Environmental Restoration Group	Non-Government
Mark Caddick	Antelope Valley Resident, Acton	Non-Government
Mark Martinez	County Fire Department	Non-Government
Samson Wong	City of LA Bureau of Engineering	Non-Government
Salomon Miranda	CA Department of Water Resources	Non-Government
Shannon Ggem	Malibu Lake Mountain Club	Non-Government
Steve LaDochy	Cal State LA Meteorology	Non-Government
Timothy Dahlum	Red Cross of Greater Los Angeles	Non-Government
William Saunders	PW Stormwater Engineering	Core Planning Team
Makenna Hobson	Burns & McDonnell	Core Planning Team
David Pohl	Burns & McDonnell	Core Planning Team
Courtney Semlow	Craftwater	Core Planning Team
Stephanie Pavon	MIG	Core Planning Team

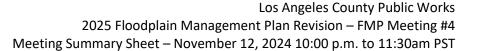
Meeting Notes:

Welcome and Introductions

1. Pat Wood welcomed attendees, thanked everyone for their participation throughout this plan update process and everyone introduced themselves. The required quorum of a minimum of 10 members for the meeting is met.

Agenda

1. David Pohl presented the agenda to guide what will be spoken about today.







Draft FMP and Draft RLAA Part 3 Document

- 1. Burns & McDonnell presented the Draft FMP Part 3 and associated comments that were received from the FMP Committee on the document. The same comments applied to the RLAA Part 3 document as both documents contain the same tables discussed. Comments mainly addressed the Action Plan Flood Mitigation Actions table (see marked up Table at end of document) and included:
 - a. Comment received regarding funding the flood mitigation action items listed in the table outside of the LACFCD and which proposed actions apply to areas outside of the LACFCD. This comment applied to items 1-10, 14, 20, 30, 33 and 36.
 - i. Actions funded by the LACFCD might not extend to areas outside its jurisdiction depending on the level of effort and cost. However, actions that include outreach, education and information activities overlap into areas outside of the LACFCD as education information and outreach efforts are made available to all communities within the unincorporated LA County. Activities that can be integrated into existing programs without requiring substantial additional funding may also be covered. Additionally, some listed actions, including drainage infrastructure, may be covered outside of the LACFCD by the LA County Public Works Road Maintenance Division in areas where the roadway and drainage infrastructure is under the County's jurisdiction.
 - b. There were comments regarding adding additional support agencies to some of the action items, which included the National Weather Service (items 9, 30 and 31), insurance boards (item 7 and 10) and LA sanitation (item 24).
 - i. The National Weather Services will be added as a support agency to these action items as they provide warning systems that are coordinated with County flood preparation and emergency services.
 - ii. In response to the comment requesting if the State Insurance Board should be added as a support agency to items 7 and 10, the flood insurance program is a federal program that is not under the state agency, and therefore is not a supporting agency.
 - iii. The commentor clarified that what was asked if City of LA Department of Sanitation be added as a supporting agency under Item 24. The FMP is focused on unincorporated Los Angeles County and there for LASAN is not a supporting agency.
 - c. There was also a general comment regarding the Quartz Hill Drain its influence on mitigation for the properties within Quartz Hill Repetitive Loss Areas.
 - i. The FMP team will further investigate if the repetitive loss properties are within the drainage areas of the Quarta Hill Drain and the design capacity of the system. Depending on this assessment, a request will





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be made to FEMA to change the status of these properties to "mitigated."

- d. This led to the question of how FEMA properties are removed from the RLAA list.
 - i. It was noted that FEMA typically does not remove properties from the repetitive loss list but will reclassify them as "mitigated" which can change their risk rating by FEMA.
- e. There was a follow up question to this discussion on how property owners can report actions that have mitigated flood risk such as elevation and drainage improvement.
 - i. This information can be provided to the Public Works Planning Division and then added to the annual FMP updates on mitigation measures taken at listed repetitive loss properties. Public Works agreed to submit these updates annually and, where appropriate, submit them for a reclassification through the Form AW-501 process to FEMA.
 - ii. FEMA has not responded to the forms LAC had previously send in. After discussion on what LAC can do to help move along this process, a new item (item 38) was added to the mitigation table which describes that the Public Works will provide annual submittals/re-submittals of the form to FEMA for mitigated Repetitive Loss Areas.
- f. A comment on item 20 regarding adding information on funding from the Safe Clean Water Program and other funding for areas outside of the LACFD.
 - i. The Safe Clean Water Program is limited to projects within the LACFD. There are grant funds at the state and federal level for nature-based solution type projects. This will be added to item 20.
- g. Finally, there was a review of the funding under existing programs/budgets to confirm the answers are applicable to the entire unincorporated LA County, not just those in the LACFCD.
 - i. The table in the FMP/RLAA document was reviewed and updated to reflect any changes to funding terminology.

The comment period for the FMP Part 3 and RLAA Part 3 is extended to November 19th to allow for any additional comments committee members may have.

Public Outreach

- 1. MIG presented a brief overview of public outreach activities. The following is a summary of the information shared with the FMP Committee.
- 2. PPI Committee Meeting 3 the next PPI committee meeting will be taking place next Tuesday, November 19, 2024, where the committee will discuss the PPI's implementation plan and any needed updates. MIG recently shared the revised PPI program matrix with the





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committee for review and comments. A fourth and last meeting will be held before the end of the year, and after that the final draft of the PPI will be shared with the committee for review and final comment.

- 3. Community Floodplain Questionnaire
 - a. Stephanie Pavón from MIG presented an update about the Community Floodplain Questionnaire and requested that committee members continue to promote the survey to their neighbors, communities and networks in unincorporated Los Angeles County. The Public Works communications team is currently promoting the questionnaire through their social media accounts. The questionnaire will remain open until December 20, 2024.
- 4. Public Meetings During Upcoming Comment Period
 - a. Stephanie mentioned that the project team will be hosting three public meetings during the Draft FMP public Comment Period, currently scheduled for February and March of 2025. These will take place in Lancaster, Agua Dulce, and in the Santa Monica Mountains, potentially at Malibou Lakes. Stephanie said that MIG will reach out to community representatives for assistance with publicity and co-hosting if possible. Shannon Ggem from Malibou Lakes said they would be happy to help coordinate an event there during an existing meeting to encourage participation from local residents.

Vice Chair Update

Anjero Asper has been promoted, and William Saunders has taken over as Public Works Project Manager. This has left an opening for vice chairperson of the FMP committee. William Saunders was nominated by Pat Wood for the vice chairperson position.

MOTION made by Pat Wood to approve William Saunders as the Vice Chairperson and seconded by Steve LaDochy, Motion passed with no votes opposed.

Next Committee Meeting and Action Items

- 1. The FMP committee should review/provide input on:
- 2. Comment period for the RLAA and FMP Part 3 is extended to November 19th. Please send any additional comments to William Saunders and cc Makenna Hobson.
 - a. Please fill out the survey and share with local community by December 20th.
 - b. The Doodle Poll for meeting number 5 will be sent out at least 2-weeks two weeks prior to the next meeting time and date. The date will be tentatively scheduled for February 2025.
 - i. Burns & McDonnell will send out the FMP Part 4 with 2-3 weeks of review before the next meeting.

Meeting Adjourned at 11:30am PST

Table 11-3: Action Plan- Flood Mitigation Actions

Action, Responsible Agencies and Potential Funding ^a	Estimated Project Cost ^b	Timeline	Objectives	In Previous Plan? - Action #
1—Promote awareness of flood hazards to residents in flood hazard areas. Lead Agency: Public Works (Stormwater Engineering Division) Support Agencies: Regional Planning Department, Public Works (Building and Safety Division) Funding Source: FEMA; Cal EMA; Public Works; County Regional Planning Department	Low	Ongoing	1, 3, 11	Yes-1
2—Develop and distribute flood protection information and materials to property owners, renters, and developers in high-risk areas. Lead Agency: Public Works (Stormwater Engineering Division) Support Agencies: Public Works (Community & Government Relations Group, Building and Safety Division, Land Development Division, Program for Public Information) Funding Source: Public Works	Low	Ongoing	3, 11	Yes-2
3—Maintain a list of critical facilities located in FEMA-designated flood zones, provide flood protection information to operators of these critical facilities, and encourage the implementation of flood protection measures. Lead Agency: Public Works (Stormwater Engineering Division) Support Agencies: Los Angeles County Chief Executive Office/Office of Emergency Management (CEO OEM), Public Works (Disaster Services Group) Funding Source: Public Works; CEO OEM	Low	Ongoing	1, 3	Yes-3
 4—Investigate Repetitive Loss Properties identified by FEMA and update the Repetitive Loss Property and high-risk property list. Conduct the following flood control activities for these properties: Annually notify owners regarding local flood hazards and proper protection activities Provide technical advice regarding flood protection and flood preparedness Distribute a revised questionnaire to new Repetitive Loss Properties. Lead Agency: Public Works (Stormwater Engineering Division) Support Agencies: Public Works (Building and Safety Division, Program for Public Information) Funding Source: Public Works 	Low	Ongoing	1, 2, 3, 11	Yes-4
5—Make sandbags 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. Lead Agency: Fire Department, Public Works (Administrative Services Division, Stormwater Engineering Division) Support Agencies: Public Works (Community & Government Relations Group) Funding Source: FEMA; Cal EMA; Fire Department; Public Works	Low	Ongoing	3, 9	Yes-5



Action, Responsible Agencies and Potential Funding ^a	Estimated Project Cost ^b	Timeline	Objectives	In Previous Plan? - Action #
6—Provide public education about maintaining the stormwater system free of debris. Lead Agency: Public Works (Stormwater Quality Division) Support Agencies: Public Works (Community & Government Relations Group, Stormwater Engineering Division, Stormwater Maintenance Division, Stormwater Planning Division, Road Maintenance Division, Program for Public Information) Funding Source: Public Works	Low	Ongoing	1, 9	Yes-6
7—Continue to maintain/enhance the County's classification under the Community Rating System to address increased flood insurance costs and promote safety and preparedness. Lead Agency: Public Works (Stormwater Engineering Division) Support Agencies: Regional Planning Department, Public Works (Stormwater Maintenance Division, Stormwater Planning Division, Transportation Planning and Programs Division, Community & Government Relations Group, Program for Public Information) Funding Source: Public Works	Low	Ongoing	1, 3, 4, 6, 8	Yes-7
8—Implement the Program for Public Information (PPI) protocol identified in this plan including appropriate messaging for compliance with ADA. Lead Agency: Public Works (Stormwater Engineering Division, Community & Government Relations Group) Funding Source: FEMA; Cal EMA; Public Works	Low	Ongoing	1, 3, 11	Yes-8
9—Provide emergency preparedness and flood protection information to the general public. Lead Agency: CEO OEM Support Agencies: Public Works (Stormwater Engineering Division, Program for Public Information, Stormwater Planning Division, Community & Government Relations Group), National Weather Service Funding Source: FEMA; Cal EMA; CEO OEM; Public Works; USC Sea Grant	Low	Ongoing	1, 9, 11	Yes-9
10—Distribute information regarding flood prevention and flood insurance at emergency operations and emergency preparedness events. Lead Agency: CEO OEM, Public Works (Disaster Services Group) Support Agencies: Public Works (Stormwater Engineering Division, Stormwater Planning Division, Community & Government Relations Group, Program for Public Information) Funding Source: FEMA; Cal EMA; CEO OEM; Public Works	Low	Ongoing	1, 9, 11	Yes-10
11—Develop and maintain a list of priority maintenance-related problem sites. Lead Agency: Public Works (Stormwater Maintenance Division) Support Agencies: Public Works (Stormwater Engineering Division, Stormwater Planning Division, Road Maintenance Division) Funding Source: Public Works	Low	Ongoing	1, 8	Yes-11



Action, Responsible Agencies and Potential Funding ^a	Estimated Project Cost ^b	Timeline	Objectives	In Previous Plan? - Action #
12—Conduct routine maintenance of flood control facilities and additional maintenance as needed at priority maintenance-related flood problem sites. Lead Agency: Public Works (Stormwater Maintenance Engineering Division, Road Maintenance Division) Funding Source: Public Works	Low	Ongoing	1, 8	Yes-12
13—Conduct a stormwater facilities condition assessment to identify the physical and hydraulic condition of the system and to support infrastructure management. Lead Agency: Public Works (Stormwater Maintenance Division) Support Agencies: Public Works (Stormwater Planning Division, Stormwater Engineering Division) Funding Source: Public Works	Low	Ongoing	1, 2, 8	Yes-13
14—Evaluate LACFCD storm drain, open channel, and flood retention basin facilities for future improvements. Drainage infrastructure outside of the LACFCD may be covered by the Road Maintenance Division where applicable. Lead Agency: Public Works (Stormwater Planning Division) Support Agencies: Public Works (Design Division, Stormwater Maintenance Division, Stormwater Engineering Division, Stormwater Quality Division) Stakeholders Funding Source: Public Works	Low	Ongoing	2, 8	Yes-14
15— Pursue appropriate flood hazard mitigation grant funding for projects (i.e. BRIC) that use the Community Lifeline Framework, and address multiple hazards, where applicable. Lead Agency: Public Works (Stormwater Engineering Division) Support Agencies: Public Works (Transportation Planning and Programs Division, Disaster Services Group, Stormwater Planning Division), CEO OEM Funding Source: Public Works; CEO OEM	Low	Ongoing	1, 8	Yes-15
16—Consider the conversion of high-risk properties into open space. Lead Agency: Public Works (Stormwater Engineering Division) Support Agencies: Regional Planning Department, Parks and Recreation Funding Source: FEMA; U.S. EPA; Cal EMA; Cal EPA; Public Works; County Regional Planning Department; County Parks and Recreation	High	Ongoing	4, 5, 7	Yes-16
17—Refine the plan check system to track properties in the flood zone and address drainage. Lead Agency: Public Works (Stormwater Engineering Division) Support Agencies: Public Works (Building and Safety Division, Land Development Division) Funding Source: Public Works	Low	Ongoing	1, 2, 4, 8	Yes-17



Action, Responsible Agencies and Potential Funding ^a	Estimated Project Cost ^b	Timeline	Objectives	In Previous Plan? - Action #
18—Flag Repetitive Loss Properties in the plan, and check database for review and approval of building permit applications. Lead Agency: Public Works (Stormwater Engineering Division) Support Agencies: Public Works (Building and Safety Division) Funding Source: Public Works	Low	Ongoing	4, 7, 8,	Yes-18
19—Maintain a database system for tracking all reviewed and approved elevation certificates prior to the closure of a building permit. Lead Agency: Public Works (Stormwater Engineering Division) Support Agencies: Public Works (Building and Safety Division, Chief Information Office) Funding Source: Public Works	Low	Ongoing	1, 2, 4	Yes-19
20—Evaluate opportunities for incorporating watershed ecosystem restoration into projects. Lead Agency: Public Works (Stormwater Planning Division) Support Agencies: Regional Planning Department, Public Works (Stormwater Engineering Division), Stakeholders Funding Source: FEMA, U.S. EPA; Cal EMA; Cal EPA; Public Works; County Regional Planning Department, Safe Clean Water (SCW) Program	Low	Ongoing	1, 6, 10	Yes-20
21—Where feasible, cost-effective and supported both publicly and politically, restore the natural and beneficial functions of floodplains. Lead Agency: Public Works (Stormwater Planning Division, Stormwater Quality Division) Support Agencies: Public Works (Transportation Planning and Programs Division, Stormwater Engineering Division) Funding Source: FEMA; U.S. EPA; Cal EMA; Cal EPA; Public Works	High/ Medium	Long term	1, 2, 3, 5, 6	Yes-21
22—Encourage the application of biological resource measures for the control of stormwater and erosion to the best of their applicable limits. Lead Agency: Fire Department, Public Works (Building and Safety Division, Design Division, Land Development Division) Support Agencies: Regional Planning Department, Public Works (Environmental Programs Division, Stormwater Quality Division, Stormwater Planning Division, Stormwater Engineering Division, Project Management Division) Funding Source: FEMA; U.S. EPA; Cal EMA; Cal EPA; County Fire Department; Public Works	Low	Ongoing	1, 2, 6	Yes-22
23—Maintain the Operational Area Emergency Response Plan. Lead Agency: CEO OEM Support Agencies: Public Works (Disaster Services Group, Stormwater Engineering Division) Funding Source: FEMA; Cal EMA; Public Works; CEO OEM	Low	Ongoing	1, 3, 9	Yes-23



Action, Responsible Agencies and Potential Funding ^a	Estimated Project Cost ^b	Timeline	Objectives	In Previous Plan? - Action #
24—Maintain standards for the use of structural and non-structural techniques that mitigate flood hazards and manage stormwater pollution. Lead Agency: Public Works (Building and Safety Division, Design Division, Land Development Division) Support Agencies: Public Works (Stormwater Engineering Division, Stormwater Quality Division, Stormwater Planning Division) Funding Source: Public Works	Low	Ongoing	2, 4, 7, 8	Yes-24
25—Continue to require environmental review in the development process to provide for the creation or protection of natural resources that can mitigate the impacts of development. Lead Agency: Regional Planning Department Support Agencies: Public Works (Stormwater Engineering Division, Transportation Planning and Programs Division, Land Development Division) Funding Source: Public Works; County Regional Planning Department	Low	Ongoing	4, 6	Yes-25
26—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. Lead Agency: Public Works (Stormwater Engineering Division) Support Agencies: Regional Planning Department, Parks and Recreation, Public Works (Building and Safety Division, Transportation Planning and Programs Division) Funding Source: FEMA Hazard Mitigation Grant Program, Pre-Disaster Mitigation Grant Program, and Flood Mitigation Act; U.S. HUD; Cal EMA; Public Works; CEO OEM; County Regional Planning Department; County Parks and Recreation	Low	Ongoing	4, 5, 7	Yes-26
27—Use risked-based information from the Los Angeles County Comprehensive Floodplain Management Plan and the Los Angeles County Hazard Mitigation Plan to update the Safety Element of the County's General Plan. Lead Agency: Regional Planning Department Support Agencies: Public Works (Stormwater Engineering Division) Funding Source: County Regional Planning Department; Public Works	Low	Short term	1, 2, 3	Yes-27



Action, Responsible Agencies and Potential Funding ^a	Estimated Project Cost ^b	Timeline	Objectives	In Previous Plan? - Action #
28—Continue to maintain good standing under the National Flood Insurance Program by implementing programs that meet or exceed the minimum NFIP requirements. Such programs include enforcing an adopted flood damage prevention ordinance, participating in floodplain mapping updates, and providing public assistance and information on floodplain requirements and impacts. Lead Agency: Public Works (Stormwater Engineering Division) Support Agencies: Public Works (Building and Safety Division, Land Development Division, Stormwater Maintenance Division), Regional Planning Department Funding Source: Public Works	Low	Ongoing	1, 3, 4, 6, 8	Yes-28
29—Consider the best available data and science to determine probable impacts on all forms of flooding from global climate change when making program enhancements or updates to the County's floodplain management program. Lead Agency: Public Works (Stormwater Engineering Division) Funding Source: FEMA; U.S. EPA; Cal EMA; Cal EPA; Public Works; USC Sea Grant	Low	Long term	2, 3, 5, 10	Yes-29
30—Identify flood-warning systems for properties where such systems can be beneficially employed. Lead Agency: Public Works (Stormwater Engineering Division) Support Agencies: CEO OEM, Sheriff's Department, Public Works (Stormwater Maintenance Division, Disaster Services Group), National Weather Service Funding Source: FEMA Hazard Mitigation Grant Program, Pre-Disaster Mitigation Grant Program, and Flood Mitigation Act; Cal EMA; Public Works; CEO OEM	Low	Ongoing	1, 8, 9	Yes-30
31—Consider the development of a comprehensive flood warning and response plan for the unincorporated County that would become a functional annex to the Operational Area Emergency Response Plan and meet the Community Rating System Activity 610 requirements. Lead Agency: Public Works (Stormwater Engineering Division) Support Agencies: CEO OEM, Public Works (Disaster Services Group), National Weather Service Funding Source: FEMA; Cal EMA; Public Works; CEO OEM	Medium/ Low	Long term	1, 9	Yes-31
32—Continue to enforce the County's development regulations to prevent increases of the flood hazard on adjacent properties. Lead Agency: Public Works (Building and Safety Division, Land Development Division) Support Agencies: Public Works (Stormwater Engineering Division) Funding Source: Public Works	Low	Ongoing	1, 4, 8, 11	Yes-32



Action, Responsible Agencies and Potential Funding ^a	Estimated Project Cost ^b	Timeline	Objectives	In Previous Plan? - Action #
33—Conduct an evaluation of FEMA-designated flood zones and revise/update them to reflect current conditions. Lead Agency: Public Works (Stormwater Engineering Division) Support Agencies: : Public Works (Stormwater Planning Division, Design Division) Funding Source: FEMA; Cal EMA; Public Works	Medium/ Low	Ongoing	1, 2, 3	Yes-33
34— Continue to maintain and update the Hazus model constructed to support the development of this plan, in order to make flood risk information available to property owners and agencies that own and operate critical infrastructure/facilities. Lead Agency: Public Works (Stormwater Engineering Division) Funding Source: FEMA; Cal EMA; Public Works	Low	Ongoing	1, 3	Yes-34
35—Continue County coordination with other agencies and stakeholders on issues of flood control. Lead Agency: Public Works (Stormwater Engineering Division, Stormwater Planning Division) Funding Source: Public Works	Low	Ongoing	1, 3, 8	Yes-35
36—Continue to identify and assess drainage needs. Lead Agency: Public Works (Stormwater Engineering Division, Stormwater Planning Division) Support Agencies: Public Works (Stormwater Maintenance Division, Road Maintenance Division) Funding Source: Public Works	Medium/ Low	Ongoing	1, 2, 11	Yes-36
37— Pursue Building Resilient Infrastructure and Communities (BRIC) program projects that use the Community Lifeline Framework. Lead Agency: Public Works (Stormwater Engineering Division) Support Agencies: Public Works (Disaster Services Group, Stormwater Planning Division, Stormwater Maintenance Division) Funding Source: Public Works; FEMA	Low	Long Term	1, 11	Yes-37
38— Provide annual submittals/re-submittals to FEMA for mitigated Repetitive Loss Properties Lead Agency: Public Works (Stormwater Engineering Division) Support Agencies: Public Works (Stormwater Planning Division, Regional Planning Department, Building and Safety Division) Funding Source: Public Works; FEMA	Low	Annually	1, 3, 11	<u>No</u>

Numbering of actions is for identification only and does not indicate rank or priority. See Section 11.5 for prioritization



See Section 11.4 for description of estimated project cost.