COUNTY OF LOS ANGELES FLOODPLAIN MANAGEMENT PLAN PROGRESS REPORT





COUNTY OF LOS ANGELES FLOODPLAIN MANAGEMENT PLAN PROGRESS REPORT 2022-2023

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County of Los Angeles Comprehensive Floodplain Management Plan and Program for Public Information 2023 Annual Progress Report

REPORTING PERIOD: June 15, 2022 – June 14, 2023

BACKGROUND: The County of Los Angeles participates in the National Flood Insurance Program (NFIP) administered by the Federal Emergency Management Agency (FEMA) and in the NFIP's Community Rating System. In compliance with the NFIP, the County of Los Angeles prepared a Comprehensive Floodplain Management Plan, which is an overall strategy of programs, projects, and measures aimed at reducing the adverse impact of flood hazards in the community.

Throughout the years, Floodplain Management Plans have evolved to meet the needs of the community and to comply with applicable regulations. The first plan, titled "Repetitive Loss Plan for the National Flood Insurance Program Community Rating System (CRS) for the County of Los Angeles" was adopted by the County of Los Angeles Board of Supervisors in 1992 and approved by FEMA. A subsequent Floodplain Management Plan for repetitive loss properties was prepared and approved in 2002 by FEMA. In 2015, the County of Los Angeles prepared the Comprehensive Floodplain Management Plan, which expanded beyond the repetitive loss areas to include all unincorporated areas in Los Angeles County. This plan was adopted by the Los Angeles County Board of Supervisors in 2016. In 2020, the County of Los Angeles updated the Comprehensive Floodplain Management Plan which was adopted by the County of Los Angeles Board of Supervisors on June 15, 2021.

The County of Los Angeles also prepared the Los Angeles County Repetitive Loss Area Analysis as a companion document to the Comprehensive Floodplain Management Plan. "Repetitive loss properties" are properties for which two or more claims of \$1,000 or more had been paid by the NFIP within any rolling 10-year period since 1978. A repetitive loss area incudes property nearby that are not repetitive loss properties, but due to their proximity may face a similar flood risk. This document provides an assessment of flooding and possible mitigation methods for repetitive loss areas. Repetitive loss areas were determined using a reverse of the depth-damage-function to determine the floodwater elevation and the possible extent of the flood hazard. The local drainage conditions were then considered to determine which of these neighboring properties may be susceptible to damage by that flood.

The Comprehensive Floodplain Management Plan was developed to meet the following objectives:

- Comply with local, State, and Federal requirements for floodplain management planning.
- Coordinate existing plans and programs to facilitate the implementation and funding of high-priority initiatives and projects to mitigate possible disaster impacts.
- Create a linkage between the Comprehensive Floodplain Management Plan and other plans established by the County of Los Angeles, so they can work together in achieving successful flood mitigation.

The updated Comprehensive Floodplain Management Plan is available online at: https://dpw.lacounty.gov/wmd/NFIP/FMP/Plan.aspx

The County of Los Angeles also developed a Program for Public Information to identify, prepare, implement, and monitor a range of flood-related public information activities that meet specific, local needs. The Program for Public Information (PPI) framework is described in Chapter 14 of the Comprehensive Floodplain Management Plan.

PURPOSE: The purpose of this Progress Report is to provide an annual update on the implementation of the action plan identified in the *Comprehensive Floodplain Management Plan* and on the implementation and evaluation of the outreach projects identified in the PPI. The objective is to ensure there is a continuing and responsive planning process that will keep the Floodplain Management Plan and related outreach efforts dynamic and responsive to the needs and capabilities of the County of Los Angeles and stakeholders. This report discusses the following:

- Flood events that have occurred during the reporting period (June 15, 2022, to June 14, 2023)
- Changes (if any) in risk exposure within the planning area (unincorporated County of Los Angeles)
- Mitigation success stories
- Changes (if any) in capabilities that could impact plan implementation
- Comprehensive Floodplain Management Plan implementation status
 - Review of the action plan
 - Recommendations for changes/enhancement
- Program for Public Information implementation and evaluation status
 - Review of the outreach projects
 - Review on progress toward desired outcomes
 - Recommendations for changes/enhancement

FLOOD EVENTS WITHIN THE PLANNING AREA: According to the County of Los Angeles precipitation records from October 1, 2021, to September 30, 2022 (the 2021-22 Water Year), the Downtown Los Angeles rain gage (Station No. 716) recorded 12.74 inches of rain. This is about 17 percent below the average annual rainfall of 15.28 inches. The precipitation records at Station No. 716 from October 1, 2022, to April 30, 2023 (the 2022-23 Storm Season), recorded 29.13 inches of rain, which is 99 percent above the average annual rainfall of 15.28 inches. If it does not rain again before September 30, 2023 (the end of the 2022-23 Water Year), it will be 91 percent above the average annual rainfall. During the reporting period, there were nine flood events in the planning area that had a measurable impact on people or property. A summary of these events follows:

1. Rainfall Event Dates: September 11 to 13, 2022 (Tropical Storm Kay, 2021-22 Water Year)

Rainfall Totals: Between 0.0 to 0.3 inches in the valleys and along the coast, and

between 0.10 to 1.30 inches in the foothills and mountains.

- Tropical Storm Kay was an unusual rainfall event that occurred long after the 2021-22 Storm Season and just prior to the start of the 2022-23 Water Year.
- The storm resulted in intense rainfall in the Los Angeles County unincorporated community of Lake Hughes, located in the burn area of the 2020 Lake Fire.

Rainfall intensities reached over 1 inch per hour (a once -in 100-year storm event). This extreme storm event exceeded the rainfall intensities forecast by the National Weather Service 24 hours prior to the storm event.

- There were 29 vehicles trapped/stranded by mudflow on Lake Hughes and Pine Canyon Roads, including two California Highway patrol vehicles. Seven individuals had to be rescued by helicopter. No deaths or injuries were reported. Los Angeles County Public Works cleared the roads for emergency access, and the stranded vehicles were removed. Guardrails at two bridges along Lake Hughes Road were damaged. Another bridge along the road had significant debris underneath and on both the upstream and downstream sides of the bridge. It took Public Works' crews three weeks to re-open the roads. The cost to remove the mud and repair the roads was approximately \$2.3 million.
- Mudflow from the storm blocked ingress and egress for 31 occupied residential properties and deposited 1 to 3 feet of mud in the Lake Hughes area. Los Angeles County Public Works Building and Safety personnel inspected 32 buildings that were affected by the storm. None of the structures assessed were determined unsafe for habitation.
- East Palmdale Boulevard in the eastern Antelope Valley was temporarily closed.
- A Phase 1 Debris Flow Forecast, which is potential for light to moderate debris and mudflow, was issued for the Lake Hughes area and the north area of the 2020 Bobcat Fire (Juniper Hills, Devil's Punchbowl, Valyermo, Big Rock Creek, Llano), from September 12 through September 13, 2022. All other burn areas in Los Angeles County were No Phase, which is potential for minimal debris and mudflow.
- Governor Newsom, acting through the Executive Department of the State of California, proclaimed a State of Emergency for Tropical Storm Kay on September 16, 2022.
- The State of Emergency proclamation, through the Federal Highway Administration's Emergency Relief Program, provided residents of Los Angeles County the opportunity to receive federal assistance for local road and highway repairs or reconstruction.
- 2. Rainfall Event Dates: November 7 to 9, 2022

Rainfall Totals: Between 0.4 to 3.2 inches in the valleys and along the coast, and between 1.2 to 6.7 inches in the foothills and mountains.

- A Flood Watch was in effect from 2200 hrs. on Monday November 7 until 2200 hrs. on Tuesday November 8.
- A Phase 2 Debris Flow Forecast, which is potential for moderate to heavy debris and mudflow, was issued for recent burn areas with less than 3 years of recovery, including burn areas in the Fish (Duarte), Grandview (Glendale),

Ranch 2 (Azusa), Bobcat (Monrovia, Sierra Madre, Arcadia, Bradbury, Duarte, Juniper Hills, Devil's Punchbowl, Valyermo, Big Rock Creek, Llano), Lake (Lake Hughes, Lancaster), Tujunga (Sunland), Soledad (Agua Dulce), and Equestrian (Castaic) Fires.

- A Phase 1 Debris Flow Forecast, which is potential for light to moderate debris and mudflow, was issued for burn areas with 3 to 4 years of recovery, including burn areas in the Getty (Los Angeles), Saddleridge (Los Angeles, Santa Clarita), Tick (Santa Clarita, Canyon Country), and Colorado (Glendale, Los Angeles) Fires.
- Los Angeles Homeless Services Authority (LAHSA) provided 53 motel vouchers to People Experiencing Homelessness (PEH), including locations in City of Los Angeles, and worked on resolving issues with longs wait times experienced when contacting 211.
- Road hazards due to storm
 - Ballona Creek Bike Path and Dominguez Channel Greenway were closed.
 - Los Angeles County Public Works Road Maintenance Division (LACPW RMD) crews responded to a rockslide at Kanan Dume Road near the tunnel.
 - Several roads were closed due to mud and debris including Glendora Ridge Road, Big Pines Highway, Big Rock Creek Road, Lake Hughes Road, Pine Canyon Road, Old Ridge Route Road, and Mount Wilson Road.
 - Rocks, mud, fallen trees, and debris were cleared along Angeles Forest Highway, Big Tujunga Canyon Road, Glendora Mountain Road, East Fork Road, Chantry Flats Road, Soledad Canyon Road, Agua Dulce Canyon Road, Davenport Road, Escondido Canyon Road, Placerita Canyon Road, Sand Canyon Road, and Little Tujunga Canyon Road.
- 3. Rainfall Event Dates: December 31, 2022, to January 1, 2023

Rainfall Totals: Between 0.4 and 1.7 inches along the coasts and in the valleys, and between 1.0 and 5.6 inches in the foothills and mountains.

Notable Impacts/Issues:

 Evacuation Warnings were issued for areas of unincorporated LA County near the Lake Fire (Lake Hughes, Lancaster) and north end of the Bobcat Fire (Monrovia, Sierra Madre, Arcadia, Bradbury, Duarte, Juniper Hills, Devil's Punchbowl, Valyermo, Big Rock Creek, Llano) burn scars due to the potential for mud or debris flows.

- A Phase 2 Debris Flow Forecast, which is potential for moderate to heavy debris and mudflow, was issued for recent burn areas with less than 3 years of recovery, including burn areas in the Fish (Duarte), Grandview (Glendale), Ranch 2 (Azusa), Bobcat (Monrovia, Sierra Madre, Arcadia, Bradbury, Duarte, Juniper Hills, Devil's Punchbowl, Valyermo, Big Rock Creek, Llano), Lake (Lake Hughes, Lancaster), Tujunga (Sunland), Soledad (Agua Dulce), and Equestrian (Castaic) Fires.
- A Phase 1 Debris Flow Forecast, which is potential for light to moderate debris and mudflow, was issued for burn areas with 3 to 4 years of recovery, including burn areas in the Getty (Los Angeles), Saddleridge (Los Angeles, Santa Clarita), Tick (Santa Clarita, Canyon Country), and Colorado (Glendale, Los Angeles) Fires.

Road hazards due to storm

- Fallen trees were cleared at 15871 Parkland Drive, 3207 Thaxton Avenue, and Bouquet Canyon Road.
- Flooding was reported at the at-grade creek crossing at Hasley Canyon Road and Del Valle Road.
- Arroyo Seco Bike Path was closed.
- Rock debris was cleared on Schueren Road, Malibu Canyon Road, Kanan Road, Stunt Road, and Mulholland Highway.
- Lake Hughes Road from Dry Gulch to Pine Canyon Road was closed due to a mud slide.

4. Rainfall Event Dates: January 4 to 5, 2023

Rainfall Totals: Between 0.9 and 2.5 inches along the coasts and in the valleys, and

between 1.4 and 5.5 inches in the footbills and mountains.

- Evacuation Warnings were issued for areas of unincorporated LA County near the Lake Fire (Lake Hughes, Lancaster) and north end of the Bobcat Fire (Monrovia, Sierra Madre, Arcadia, Bradbury, Duarte, Juniper Hills, Devil's Punchbowl, Valyermo, Big Rock Creek, Llano) burn scars due to the potential for mud or debris flows.
- Alert LA County campaign was issued on Tuesday, January 3, 2023, at 1700 hours and registered constituents were notified of the evacuation warning via phone, email, and text.
- The County Emergency website was updated to include the evacuation warning message and mapped notification areas.

- A Phase 2 Debris Flow Forecast, which is potential for moderate to heavy debris and mudflow, was issued for recent burn areas with less than 3 years of recovery, including burn areas in the Fish (Duarte), Grandview (Glendale), Ranch 2 (Azusa), Bobcat (Monrovia, Sierra Madre, Arcadia, Bradbury, Duarte, Juniper Hills, Devil's Punchbowl, Valyermo, Big Rock Creek, Llano), Lake (Lake Hughes, Lancaster), Tujunga (Sunland), Soledad (Agua Dulce), and Equestrian (Castaic) Fires.
- A Phase 1 Debris Flow Forecast, which is potential for light to moderate debris and mudflow, was issued for burn areas with 3 to 4 years of recovery, including burn areas in the Getty (Los Angeles), Saddleridge (Los Angeles, Santa Clarita), Tick (Santa Clarita, Canyon Country), and Colorado (Glendale, Los Angeles) Fires.

Road hazards due to storm

- Mudslides were cleared on Sophomore Drive, Tuna Canyon Road, San Francisquito Canyon Road, and Elizabeth Lake Road.
- Rockslides on Saddle Peak Road, Topanga Skyline Drive, and Latigo Canyon were cleared.
- Several roads were cleared of debris including Redding Avenue, Malibu Canyon Road, Saddle Peak Road, Via Padova, Elizabeth Lake Road, and San Francisquito Canyon Road.

5. Rainfall Event Dates: January 10 to 11, 2023

Rainfall Totals: Between 1.0 and 6.2 inches along the coasts and in the valleys, and between 0.8 and 10.1 inches in the foothills and mountains.

- Evacuation Warnings were issued for areas of unincorporated LA County near the Lake Fire and north end of the Bobcat Fire burn scars due to potential mud or debris flows. Evacuation warnings included the Lake Hughes, Kings Canyon, Juniper Hills, and the Valyermo areas.
- A Phase 2 Debris Flow Forecast, which is potential for moderate to heavy debris and mudflow, was issued for recent burn areas with less than 3 years of recovery, including burn areas in the Fish (Duarte), Grandview (Glendale), Ranch 2 (Azusa), Bobcat (Monrovia, Sierra Madre, Arcadia, Bradbury, Duarte, Juniper Hills, Devil's Punchbowl, Valyermo, Big Rock Creek, Llano), Lake (Lake Hughes, Lancaster), Tujunga (Sunland), Soledad (Agua Dulce), and Equestrian (Castaic) Fires.
- A Phase 1 Debris Flow Forecast, which is potential for light to moderate debris and mudflow, was issued for burn areas with 3 to 4 years of recovery, including burn areas in the Getty (Los Angeles), Saddleridge (Los

- Angeles, Santa Clarita), Tick (Santa Clarita, Canyon Country), and Colorado (Glendale, Los Angeles) Fires.
- Two people were trapped in an SUV on Hasley Canyon Road at Del Valle (Arizona Crossing) on January 9, 2023. Los Angeles County Flood Control District (LACFCD) completed rescue operations and reported no injuries.
- Portions of the Marvin Braude Bike Trail between Dockweiler Beach and Ballona Creek were threatened by significant erosion due to storm surge resulting from the January 4, 2023, storm. Once the storm passed, the Fire Department assisted with creating a sand berm along the vulnerable locations of the bike trail to protect it from further damage.
- LACPW RMD crews worked overnight to maintain access on Pine Canyon Road and Lake Hughes Road.
- A sinkhole formed in the #1 eastbound lane of Foothill Blvd west of Dyer Street in the La Crescenta-Montrose community. The lane was closed at the location of the sinkhole and a steel plate was placed for safety. Temporary sandbags were placed at the storm drain inlet to reduce flow into the pipe which necessitated the #2 westbound lane to be closed.

6. Rainfall Event Dates: January 14 to 16, 2023

Rainfall Totals: Between 1.3 and 2.9 inches along the coasts and in the valleys, and between 1.7 and 3.9 inches in the foothills and mountains.

- A Phase 1 Debris Forecast, which is potential for light to moderate debris and mudflow, was issued for recent burn areas in LA County with less than 3 years of recovery, including burn areas in the Fish (Duarte), Grandview (Glendale), Ranch 2 (Azusa), Bobcat (Monrovia, Sierra Madre, Arcadia, Bradbury, Duarte, Juniper Hills, Devil's Punchbowl, Valyermo, Big Rock Creek, Llano), Lake (Lake Hughes, Lancaster), Tujunga (Sunland), Soledad (Agua Dulce), and Equestrian (Castaic) Fires
- A No Phase Debris Forecast, which is potential for minimal debris and mudflow, was issued for burn areas in LA County with more than 3 years of recovery.
- On January 13, 2023, at approximately 1300, the California Highway Patrol (CHP) and Caltrans notified the I-5 Task Force of potential traffic impacts in the Castaic area resulting from lane closures due to a recent mudslide along the northbound Interstate-5 Freeway just south of Templin Highway. Los Angeles County Public Works Incident Command was activated on January 13, 2023, at 1445 for the mudslide incident.

- Supervisor Janice Hahn signed a Proclamation of Existence of a local emergency for winter storms on January 10, 2023.
- Governor Gavin Newsom proclaimed a state of emergency throughout California to support the ongoing response to winter storms on January 4, 2023.
- President Joe Biden approved an emergency declaration for California on Sunday, January 8, 2023, which authorized FEMA to coordinate disaster relief efforts and mobilize emergency resources.
- The storm events from December 2022 to January 2023 caused numerous impacts in the Lake Hughes area. The storms blocked ingress and egress for residential properties, deposited additional mud on occupied properties, and damaged three single-story buildings. No injuries or deaths were reported. The cost of mud removal and road repairs in the Lake Hughes area from these storms was approximately \$7.5 million.

7. Rainfall Event Dates: February 23 to 26, 2023

Rainfall Totals: Between 2.1 and 7.5 inches along the coasts and in the valleys, and between 3.6 and 14.8 inches in the foothills and mountains.

- Evacuation Warnings were issued for areas of unincorporated LA County near the Lake Fire and north end of the Bobcat Fire burn scars due to potential mud or debris flows. Evacuation warnings included the Lake Hughes, Kings Canyon, Juniper Hills, and the Valyermo areas. All evacuation warnings were effective from Thursday, February 23, 2023, at 1800 hrs. through Sunday, February 26, 2023, at 0600 hrs. The County Emergency website was updated to include the evacuation warning message and mapped notification areas.
- A Phase 2 Debris Flow Forecast, which is potential for moderate to heavy debris and mudflow, was issued for recent burn areas with less than 3 years of recovery, including burn areas in the Fish (Duarte), Grandview (Glendale), Ranch 2 (Azusa), Bobcat (Monrovia, Sierra Madre, Arcadia, Bradbury, Duarte, Juniper Hills, Devil's Punchbowl, Valyermo, Big Rock Creek, Llano), Lake (Lake Hughes, Lancaster), Tujunga (Sunland), Soledad (Agua Dulce), and Equestrian (Castaic) Fires.
- A Phase 1 Debris Flow Forecast, which is potential for light to moderate debris and mudflow, was issued for burn areas with 3 to 4 years of recovery, including burn areas in the Getty (Los Angeles), Saddleridge (Los Angeles, Santa Clarita), Tick (Santa Clarita, Canyon Country), and Colorado (Glendale, Los Angeles) Fires.

- LACPW's Department Operations Center (DOC) was activated at Level 3 (lowest level) on February 23, 2023, at 1400 hrs.
- Closures on County roads were in place and remained so for the duration of the storm. Road closures were posted on LA County website.
- A landslide at 13610 Little Tujunga Canyon Road was blocking the southbound lane at a blind curve. The blockage was cleared at 0230 on February 26, 2023.

8. Rainfall Event Dates: March 14 to 15, 2023

Rainfall Totals: Between 1.6 and 3.4 inches along the coasts and in the valleys, and between 1.4 and 4.0 inches in the foothills and mountains.

- LACPW's Department Operations Center (DOC) was activated at Level 3 (lowest level) on March 14, 2023, at 1200 hrs.
- Evacuation Warnings were issued for areas of unincorporated LA County near the Lake (Lake Hughes, Lancaster) Fire and north end of the Bobcat Fire (Monrovia, Sierra Madre, Arcadia, Bradbury, Duarte, Juniper Hills, Devil's Punchbowl, Valyermo, Big Rock Creek, Llano) burn scars due to the potential for mud or debris flows.
- A Phase 2 Debris Flow Forecast, which is potential for moderate to heavy debris and mudflow, was issued for recent burn areas with less than 3 years of recovery, including burn areas in the Fish (Duarte), Grandview (Glendale), Ranch 2 (Azusa), Bobcat (Monrovia, Sierra Madre, Arcadia, Bradbury, Duarte, Juniper Hills, Devil's Punchbowl, Valyermo, Big Rock Creek, Llano), Lake (Lake Hughes, Lancaster), Tujunga (Sunland), Soledad (Agua Dulce), and Equestrian (Castaic) Fires.
- A Phase 1 Debris Flow Forecast, which is potential for light to moderate debris and mudflow, was issued for burn areas with 3 to 4 years of recovery, including burn areas in the Getty (Los Angeles), Saddleridge (Los Angeles, Santa Clarita), Tick (Santa Clarita, Canyon Country), and Colorado (Glendale, Los Angeles) Fires.
- Road hazards due to storm:
 - Closures on County roads were in place and remained so for the duration of the storm. Road closures were posted on LA County website.
 - Rockslides on Malibu Canyon Road Tunnel were cleared.

9. Rainfall Event Dates: March 21 to 23, 2023

Rainfall Totals: Between 0.7 to 2.7 inches along the coast and in the valleys, and

1.1 to 4.4 inches in the foothills and mountains.

Notable Impacts/Issues:

• LACPW's Department Operations Center (DOC) was activated at Level 3 (lowest level) on March 21, 2023, at 0500 hrs.

- A Flood Watch was in effect for Los Angeles County until 0500 hrs on March 23, 2023.
- A Winter Storm Warning was in effect for the Los Angeles County mountains until 2300 hrs. on March 22, 2023.
- Evacuation warnings were issued for areas of unincorporated LA County near the Lake Fire (Lake Hughes, Lancaster) and north end of the Bobcat Fire (Monrovia, Sierra Madre, Arcadia, Bradbury, Duarte, Juniper Hills, Devil's Punchbowl, Valyermo, Big Rock Creek, Llano) burn scars due to the potential for mud or debris flows. Evacuation warnings were effective from 1800 hrs. March 20, 2023, through 1800 hrs. March 22nd, 2023. The County Emergency website was updated to include the evacuation warning message.
- A Phase 2 Debris Flow Forecast, which is potential for moderate to heavy debris and mudflow, was issued for recent burn areas with less than 3 years of recovery, including burn areas in the Fish (Duarte), Grandview (Glendale), Ranch 2 (Azusa), Bobcat (Monrovia, Sierra Madre, Arcadia, Bradbury, Duarte, Juniper Hills, Devil's Punchbowl, Valyermo, Big Rock Creek, Llano), Lake (Lake Hughes, Lancaster), Tujunga (Sunland), Soledad (Agua Dulce), and Equestrian (Castaic) Fires.
- A Phase 1 Debris Flow Forecast, which is potential for light to moderate debris and mudflow, was issued for burn areas with 3 to 4 years of recovery, including burn areas in the Getty (Los Angeles), Saddleridge (Los Angeles, Santa Clarita), Tick (Santa Clarita, Canyon Country), and Colorado (Glendale, Los Angeles) Fires.
- Closures on County roads were in place and remained so for the duration of the storm. Road closures were posted on LA County website.
- Los Angeles County Public Works removed over 250,000 cubic yards of debris from the roads in the Lake Hughes area as a result of the storms from September 2022 through March 2023.

CHANGES IN RISK EXPOSURE IN THE PLANNING AREA:

Not applicable during this reporting period.

MITIGATION SUCCESS STORIES:

1. Devil's Gate Reservoir Restoration Project

The Devil's Gate Reservoir Restoration Project was a three-year effort to increase flood protection for communities downstream of Devil's Gate Dam and restore habitat within a popular section of the Arroyo Seco Watershed. Los Angeles County Public Works removed 1.3 million cubic yards of sediment from the reservoir immediately behind the nearly 100-year-old dam. The project has established 70 acres of enhanced habitat and recreational opportunities for local communities. The restoration was completed on October 20, 2022.

Nearly 42 acres within the reservoir will be maintained annually in the late summer by removing accumulated vegetation and sediment in the basin and repairing erosion from the storm season. The annual maintenance program will allow enhanced native habitat areas to co-exist with reservoir flood control operations and maintenance for the long-term health and well-being of the environment and adjacent communities. By removing accumulated sediment on an annual maintenance schedule, the Los Angeles County Flood Control District can minimize the need for any emergency clean out efforts.

2. East Los Angeles Sustainable Median Stormwater Capture Project

The runoff from local storm drains near Northside Drive and Garfield Avenue is being diverted into infiltration drywells located beneath neighborhood medians. Recreational features were installed above ground within medians. This has improved the water quality, increased water supply, and enhanced the community.

3. Ladera Park Stormwater Improvements Project

The project features include new drainage infrastructure to capture and treat stormwater. More than half a million gallons of stormwater is being converted annually to irrigate the park and infiltrate approximately 25 million gallons into underground wells below Ladera Park. A demonstration garden containing native and drought tolerant plants with educational signs was also included.

CHANGES THAT MAY IMPACT IMPLEMENTATION OF THE PLAN:

Not applicable during this reporting period.

FLOODPLAIN MANAGEMENT PLAN PROGRESS

Summary Overview of the Plan's Progress: The performance period for the updated Comprehensive Floodplain Management Plan became effective on June 15, 2021, with the final approval of the Plan by the Board of Supervisors. The performance period for this plan will be five years, with an anticipated update to the plan to occur by 2025. As of the end of this reporting period, the performance period for this Plan is considered to be 75 percent complete. The Plan has targeted 37 flood hazard mitigation initiatives to be pursued during the 5-year performance period. As of the reporting period, the following overall progress can be reported:

- 13 out of 37 initiatives (35.1 percent) reported ongoing action toward completion.
- 23 out of 37 initiatives (62.2 percent) were reported as being complete, continue to implement as necessary.
- 1 out of 37 initiatives (2.7 percent) reported no action taken.

The Floodplain Management Plan Steering Committee: The Floodplain Management Plan Steering Committee, made up of stakeholders within the planning area, reviewed and approved this progress report at its annual meeting held on July 5, 2023. It was determined through the plan's development process that a Steering Committee would remain in service to oversee maintenance of the plan. The Steering Committee provided technical review and oversight on the development of the annual progress report. As the implementation of the Floodplain Management Plan moves forward, 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 as indicated in Table 1.

TABLE 1 STEERING COMMITTEE MEMBERS (REPORTING PERIOD JUNE 15, 2022 – JUNE 14, 2023)		
Name	Jurisdiction/Agency	
Patricia Wood (Chairperson)	Los Angeles County Public Works Stormwater Engineering - CRS Coordinator	
Gina Natoli (Chairperson)	Los Angeles County Regional Planning	
Loni Eazell	Los Angeles County Public Works Disaster Services Group	
Tera Haramoto	Los Angeles County Public Works Building & Safety	
Eden Berhan	Los Angeles County Public Works Stormwater Maintenance	
Martin Araiza	Los Angeles County Public Works Stormwater Engineering - Hydrology & Hydraulics	
Marcela Benavides	Los Angeles County Public Works Stormwater Planning	
Ciara Barnett & Lisette Guzman	Los Angeles County Public Works Community Government Relations Group	
Mark Martinez	Los Angeles County Fire Department	
Samson Wong	Los Angeles City Bureau of Engineering	
Jackie Romero	Los Angeles Chamber of Commerce	
Veronica Jones	Altadena Town Council	
Shannon Ggem	Malibou Lake Mountain Club	
John Blalock	Resident, Antelope Valley	
Erica Frausto-Aguado	American Red Cross, Los Angeles Region	
Salomon Miranda	California Department of Water Resources	
Dr. Stephen Ladochy	Cal State Los Angeles Meteorology	
Debbie Sharpton	Environmental Restoration Group	

Review of the Action Plan: Table 2 reviews the action plan, reporting the status of each initiative. Reviewers of this report should refer to the Comprehensive Floodplain Management Plan for more detailed descriptions of each initiative and the prioritization process. Projects marked completed will continue to be implemented as necessary.

The "status" column of Table 2, addresses the following:

- Was any element of the initiative carried out during the reporting period?
- If no action was completed, why?
- Is the timeline for implementation for the initiative still appropriate?

		TABLE 2 ACTION PLAN MATRIX (REPORTING PERIOD JUNE 15, 2022 – JUNE 14, 2023)		
√= Pro	ject Comp	Completion status legend: leted O = Action ongoing toward completion X = No Progress	s at this time	
Action	joot oomp		Completion	
Taken?	Priority	Status	Status (✓, O, X)	
Initiative No	. 1 — Pro	mote awareness of flood hazards to residents in flood hazard areas.		
Yes				
	town councils and professional organizations. Initiative No. 2 — Develop and distribute flood protection information and materials to property owners, renters, and developers in high-risk areas.			
Yes	High	In October 2022, Public Works mailed 1,753 copies of "Are You Prepared for A Flood?" booklet to property owners and residents in Special Flood Hazard Areas, County Floodways, and possible gaps in the floodplain maps. Additionally, links to County of Los Angeles and FEMA publications were included in the letters mailed to all property owners, and residents in Repetitive Loss Properties (RLP) and properties in the Repetitive Loss Areas (RLA).	√	

TABLE 2 **ACTION PLAN MATRIX** (REPORTING PERIOD JUNE 15, 2022 – JUNE 14, 2023) Completion status legend: √= Project Completed O = Action ongoing toward completion X = No Progress at this timeAction Completion Taken? Status Status (✓, O, X) Priority Initiative No. 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. Yes Hiah In September 2022, Public Works mailed letters and outreach materials to owners of critical facilities located in FEMA-designated Special Flood Hazard Areas. Critical facilities that received outreach materials include schools, fire stations, and health care facilities. Initiative No. 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 High Public Works performs field visits to all RLP and RLA properties a minimum O of once every five years. In October 2022, 235 letters were mailed with links to FEMA and County of Los Angeles publications to all property owners and residents in RLP and RLA properties. Initiative No. 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. Yes High Public Works provides sandbags to the Los Angeles County Fire Department for distribution to residents through over 160 local Fire Stations. Demand for sandbags varies from year to year. For the 2022-23 storm season, 172,000 sandbags were distributed to the Los Angeles County Fire Department. Public Works currently maintains over 750,000 sandbags for distribution. Public Works also maintains a website where residents can search for the nearest location to obtain sandbags: http://dpw.lacounty.gov/dsg/sandbags/

		(REPORTING PERIOD JUNE 15, 2022 – JUNE 14, 2023)			
(5		Completion status legend:			
	ject Comp	oleted O = Action ongoing toward completion X = No Progress			
Action Taken?	Priority	Status	Completion Status (✓, O, X)		
	1	vide public education about maintaining the stormwater system free of debri			
Yes	High	In an effort to educate the public and promote behavioral change to prevent stormwater pollution, Public Works implements the Public Information and Participation Program that addresses water quality priorities and stormwater management program priorities. In addition, Public Works continues water education through their Water for LA (www.WaterForLA.com) platform, to provide trusted information to the residents of LA County and inspire them to reevaluate their relationship with water. As part of the Water for LA countywide water educational program, Public Works conducts social media and email outreach to residents and businesses across LA County and implements paid media outreach campaigns consisting of digital display, video, radio, print, and out-of-home ads. Stormwater pollution prevention topics included instructions for properly disposing of household hazardous waste as well as tips on how to reduce pollutants such as pesticides, litter, and other common household chemicals. Other ongoing outreach efforts include: • School education outreach programs, Environmental Defenders (K-5th grade) and Generation Earth (6-12th grade) • Used Motor Oil and Oil Filter Campaign • Household Hazardous and Electronic Waste Program • Smart Gardening Program			
		ntinue to maintain/enhance the County's classification under the Community od insurance costs and promote safety and preparedness.	Rating System to		
Yes	High	The County of Los Angeles held a CRS class standing of 6 from June 15, 2022, to June 14, 2023. The County continues to identify activities to help maintain and improve the CRS class rating.	✓		
	Initiative No. 8 — Implement the Program for Public Information protocol identified in this plan including appropriate messaging for compliance with ADA.				
Yes	High	The County of Los Angeles continued implementation of the Program for Public Information. A report detailing the PPI implementation status for the 2022-23 period was approved by the PPI committee on May 31, 2023, and it is included at the end of this report.	✓		

(REPORTING PERIOD JUNE 15, 2022 – JUNE 14, 2023)					
		Completion status legend:			
	ject Comp	eleted O = Action ongoing toward completion X = No Progress			
Action Taken?	i i		Completion Status (✓, O, X)		
Initiative No	. 9 — Pro	vide emergency preparedness and flood protection information to the gener	al public.		
Yes	Initiative No. 9 — Provide emergency preparedness and flood protection information to the general public. The County of Los Angeles provides emergency and flood protection information to the public through different means including: A website specifically devoted to emergency announcements currently happening in the county. http://www.lacounty.gov/emergency/ A website providing emergency preparation information that includes resources, tips, and facts to equip and alert residents on how to best respond to emergencies and recover from disasters: https://ready.lacounty.gov/ The County of Los Angeles Chief Executive Office - Office of Emergency Management website features informational resource links to Federal, State, and local government emergency operations departments and agencies, and nongovernmental organizations in the Document Library/Links section: https://ceo.lacounty.gov/emergency-management/. Various flood hazard videos produced by Public Works and made available through YouTube including: Storm water safety: https://www.youtube.com/watch?v=5jFl6Z-Ld4w Swift Water: https://www.youtube.com/watch?v=EcOpX7TGY84 https://www.youtube.com/watch?v=2 oejOP o k Storm season evacuation: https://www.youtube.com/watch?v=2 oejOP o k				
		stribute information regarding flood prevention and flood insurance at eme redness events.	rgency operations		
Yes	Yes High Public Works participated in three community outreach events including County Day at the Fair. In addition, Public Works has been distributing emergency preparedness information, including flood information at two Safety Awards. ✓				
Initiative No	. 11 — De	evelop and maintain a list of priority maintenance-related problem sites.			
Yes	High	When Public Works encountered maintenance-related problem sites, Public Works mitigated maintenance-related issues with improvement projects and/or increased maintenance.	√		

(REPORTING PERIOD JUNE 15, 2022 – JUNE 14, 2023)				
√– Pro	Completion status legend: ✓= Project Completed O = Action ongoing toward completion X = No Progress at this time			
Action O = Actio		leted 0 = Action ongoing toward completion X = No Frogres.	Completion	
Taken?	Priority	Status	Status (✓, O, X)	
		nduct routine maintenance of flood control facilities and additional maintenatelated flood problem sites.	ance as needed at	
Yes	High	Public Works performed and continues to perform routine inspection and maintenance for approximately 3,400 miles of underground storm drains, 491 miles of concrete and soft-bottom channels, 14 major dams and reservoirs, 27 spreading grounds, 189 debris basins, 181 crib dams, 37 sediment placements sites, 61 pump stations, 21 low-flow diversion structures, 313 seawater barrier injection wells, 1 constructed wetland, 1 mitigation bank area, and 97,466 catch basins.	√	
		Conduct a stormwater facilities condition assessment to identify the physm and to support infrastructure management.	ical and hydraulic	
Yes	High	Public Works' Stormwater Maintenance Division (SWMD) performed routine inspections of Los Angeles County Flood Control District (LACFCD) facilities per SWMD Standard Procedures. During inspections, any deficiencies exceeding LACFCD's Acceptable Maintenance Conditions were noted, and corresponding facilities were restored to LACFCD's standards.	✓	
Initiative No	. 14 — Ev	aluate storm drain, open channel, and flood retention basin facilities for futu	re improvements.	
Yes	High	Los Angeles County Public Works routinely conducts studies to determine flood hazard risks and evaluate its flood control facilities to identify potential future improvements. Phase 1 of the Sun Valley Upper Storm Drain Project is currently under construction and is expected to be completed late summer 2023. Stormwater from the northern part of the Sun Valley watershed will be collected through a 4.75-mile-long storm drain system and delivered to the future Rory M. Shaw Wetlands Park, in the City of Los Angeles. This wetlands project is a collaborative effort by the Los Angeles County Flood Control District, the City of Los Angeles, and the Sun Valley Watershed Stakeholders Group. In addition, the Los Angeles Flood Control District began construction on the Walteria Retention Basin Improvements Project. This will help retain residual flows received from adjacent catch basins and storm drains, as well as provide flood protection to nearby residents. The captured stormwater will infiltrate the ground naturally and recharge the underground water table. The expected completion date is July 2023.	0	

(REPORTING PERIOD JUNE 15, 2022 – JUNE 14, 2023)					
	Completion status legend:				
	\checkmark = Project Completed O = Action ongoing toward completion X = No Progress at this time				
Action Taken?	Priority	Status	Completion Status (✓, O, X)		
Initiative No	. 15 — Pu	rsue appropriate flood hazard mitigation grant funding.			
Yes	Yes High In May 2023, Public Works submitted to CalOES a Notice of Intent (NOI) for a FEMA Hazard Mitigation Grant Program for a planning grant offered for the December 2022-January 2023 Storm Disaster (DR-4683). CalOES did not select the NOI for a full grant application. The County of Los Angeles continues to look for opportunities to work with FEMA to identify flood hazard mitigation funding opportunities.				
Initiative No	. 16 — Co	onsider the conversion of high-risk properties into open space.			
Yes	Medium	Collaboration with owners of high-risk properties to consider the possibility of conversion into open space is consistent with Los Angeles County Public Works' goals to reduce flood risk, improve water conservation and quality, and create recreational opportunities for the County.			
Initiative No	. 17 — Re	efine the plan check system to track properties in the flood zone and addres	s drainage.		
Yes Medium Los Angeles County Public Works has implemented a new plan check database system to better track and address permit requests from properties in flood zones. ✓		✓			
Initiative No permit appli		g Repetitive Loss Properties in the plan and check database for review and a	pproval of building		
Yes	High	Los Angeles County Public Works has implemented a new plan check database and developed a system to flag repetitive loss properties for review and approval prior to building permit issuance.	✓		
	Initiative No. 19 — Maintain a database system for tracking all reviewed and approved elevation certificates prior to the closure of a building permit.				
Yes	High	Los Angeles County Public Works has implemented a new plan check database to help track elevation certificates prior to the closure of a building permit.	✓		

TABLE 2

		(RI	ACTION PLAN MATRIX EPORTING PERIOD JUNE 15, 2022 – JUNI	E 14, 2023)	
√= Pr	oject Comp	oleted	Completion status legend: O = Action ongoing toward completion	X = No Progres	s at this time
Action Taken?	Priority		Status		Completion Status (✓, O, X)
Initiative N	o. 20 — Ev	aluate o	pportunities for incorporating Watershed Ecosy	ystem Restoration in	to projects.
Yes High The County of Los Angeles continues to evaluate opportunities for watershed ecosystem restoration. Los Angeles County Public Works is currently working on a multi-benefit project to restore habitat in Bouquet Canyon Creek. The project stretches approximately 8 miles of Bouquet Canyon was burned by wildfires. In 2005, major storms on the burned watershed caused significant sediment deposition in the creek. As a result, the creek's flow-carrying capacity has been greatly reduced, which has led to an overall degradation of the habitat along the creek and frequent closures of the adjacent Bouquet Canyon Road. This project aims to restore the habitat in Bouquet Canyon Creek by reestablishing the creek's flow pattern and flow-carrying capacity, to potentially increase fish habitat and replenish the groundwater wells of residents downstream. This will also prevent flow impacts to Bouquet Canyon Road during storm events and water releases from the City of Los Angeles' Bouquet Reservoir.		O			
	o. 21 — WI unctions of		sible, cost-effective and supported both publicly ains.	y and politically, resto	ore the natural and
Yes	Medium	restore maintai project biodive arboric nurseri working burned damage reestab species	geles County Public Works continues to evaluate the natural and beneficial floodplain function ining the completed Santa Anita Habitat Mitigareated a habitat in an area previously with risity. Public Works collaborated with experts in ulture, wildlife biology, landscape architectes and native seed collectors. In addition, Pag on the Big Tujunga Wash Mitigation Area. The though the mitigation area, leaving the plant could be destroyed. The Creek Fire has provide the plant could be seed to destroyed. The Creek Fire has provide the plant could be seed to destroyed. The Creek Fire has provide the plant could be seed to destroyed. The Creek Fire has provide the plant could be seed to destroyed. The Creek Fire has provide the plant could be seed to destroyed. The Creek Fire has provide the plant could be seen that the plan	ns. Public Works is gation Project. The nout vegetation and the field of ecology, cture, native plant Public Works began to Creek Fire in 2017 ommunities severely an opportunity to for sensitive wildlife	0

(REPORTING PERIOD JUNE 15, 2022 – JUNE 14, 2023)				
		Completion status legend:		
	V= Project Completed O = Action ongoing toward completion X = No Progres			
Action Taken?	Priority	Status	Completion Status (✓, O, X)	
		ncourage the application of biological resource measures for the control of their applicable limits.	of stormwater and	
Yes High The County of Los Angeles enforces Low-Impact Development (LID) for stormwater management by adopting a LID ordinance and creating a LID Standards Manual. LID is an approach to stormwater management that works to mimic the natural hydrology of the site by retaining precipitation on-site to the maximum extent practicable. LID strategies are designed to protect surface and groundwater quality, maintain the integrity of ecosystems, and preserve the physical integrity of receiving waters by managing stormwater runoff at or close to the source.				
Initiative No	. 23 — Ma	nintain the Operational Area Emergency Response Plan		
Yes	High	In 2012, the County of Los Angeles Board of Supervisors approved the Operational Area Emergency Response Plan (OAERP). The OAERP conforms to the requirements of the National Incident Management System and the California Standardized Emergency Management System. In 2016, the Los Angeles County OAERP Emergency Public Information Annex was created to establish uniform policies for the effective development, coordination, and dissemination of emergency information to the public in case of technological emergency or disaster. The OAERP is currently being updated by the County of Los Angeles Office of Emergency Management and is estimated to be completed in October 2023.	Ο	
		laintain standards for the use of structural and nonstructural techniques to stormwater pollution.	that mitigate flood	
Yes	High	Public Works prepared and enforced the 2014 Low Impact Development (LID) Standards Manual, which provides guidance for the implementation of stormwater quality control measures in development projects with the intention of improving water quality and mitigating potential water quality impacts from stormwater and non-stormwater discharges. The LID Standards Manual is currently being updated by Stormwater Quality Division. In addition, Public Works enforces the National Pollutant Discharge Elimination System (NPDES), Best Management Practices for Construction Activities, and requires erosion control sediment plans during the construction phase of residential and commercial projects.	Ο	

TABLE 2 **ACTION PLAN MATRIX** (REPORTING PERIOD JUNE 15, 2022 – JUNE 14, 2023) Completion status legend: √ = Project Completed O = Action ongoing toward completion X = No Progress at this timeAction Completion Taken? Status (✓, O, X) Priority Status Initiative No. 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. Yes Hiah 0 The County of Los Angeles Regional Planning performs environmental review for land use planning for unincorporated communities in the County Projects that generally require an environmental assessment are plan amendments, zone changes, conditional use permits, tentative parcel maps, and tentative tract maps. Initiative No. 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. Yes High Public Works continues to enforce NFIP regulations for building permit applications determined to be Substantial Improvement or repair of Substantial Damage to protect the property owner's investment and safety. Over time, this will reduce the number of buildings exposed to flood risk. Initiative No. 27 — Use risked-based information from the County of Los Angeles Comprehensive Floodplain Management Plan and the County of Los Angeles Hazard Mitigation Plan to update the Safety Element of the County's General Plan. The current Los Angeles County General Plan was adopted by the County Yes High of Los Angeles Board of Supervisors on October 6, 2015. The Safety Element of the County's General Plan works in conjunction with the OAERP. The OAERP, prepared by County of Los Angeles Chief Executive Office (CEO) - Office of Emergency Management, strengthens short- and long-term emergency response and recovery capability, and identifies emergency procedures and emergency management routes in the County of Los Angeles. The Los Angeles County Board of Supervisors approved the Department of Regional Planning's General Plan Safety Element Update on July 12, 2022. The Local All-Hazard Mitigation Plan, which provides policy guidance for minimizing threats from natural and manmade hazards in the County of Los Angeles, was updated in July 2020. The new plan used the 2016 County of Los Angeles Floodplain Management Plan and 2015 County of Los Angeles General Plan as resources. A copy of the updated plan is available to view at: https://ceo.lacounty.gov/wp-content/uploads/2022/04/County-of-Los-Angeles-All-Hazards-Mitigation-Plan-APPROVED-05-2020.pdf

TABLE 2 **ACTION PLAN MATRIX** (REPORTING PERIOD JUNE 15, 2022 – JUNE 14, 2023) Completion status legend: √ = Project Completed O = Action ongoing toward completion X = No Progress at this timeAction Completion Taken? Status (✓, O, X) Priority Status Initiative No. 28 — Continue to maintain good standing under the NFIP 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. Yes High The County of Los Angeles continues to maintain and strive to identify activities that meet or exceed NFIP requirements and to help improve the CRS class rating. Initiative No. 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. Los Angeles County Public Works partnered with the United States Yes High O Department of the Interior Bureau of Reclamation to prepare a study of the Los Angeles Basin in cooperation with local water agencies and nongovernmental organizations to explore long-term water conservation opportunities and flood risk management impacts from climate change within the Los Angeles Basin. The Los Angeles Basin Study looked at the period from 2010 to 2095 and used state-of-the-art climate change and hydrologic modeling to develop projections of future water supply and demands in the region. The study analyzed the major components of the water conservation and flood protection system such as dams, spreading grounds, and major channel outlets. The hydrologic modeling can be used to estimate future flood events and establish trends that could result from projected climate change. The performance of the flood control infrastructure can also be analyzed using the hydrology modeling results from the study and help determine the probable impacts on flooding from climate change. The Los Angeles Basin Study is available online at: https://www.usbr.gov/watersmart/bsp/docs/fy2017/LABasinStudySummar yReport.pdf Public Works also partnered with the University of California Los Angeles to undertake a study to assist Public Works in evaluating the impact of climate change on Los Angeles County Flood Control District infrastructure. This 2-year study began in May 2020. UCLA identified almost 50 global climate changes and selected some models to downscale to project on a regional scale different scenarios of temperature rise for mid-century and the end of the century. The study is complete, but the draft report is still under review.

(REPORTING PERIOD JUNE 15, 2022 – JUNE 14, 2023)					
, -		Completion status legend:			
	✓= Project Completed O = Action ongoing toward completion X = No Progress				
Action Taken?	Priority	Status	Completion Status (✓, O, X)		
Initiative No	. 30 — Ide	entify flood-warning systems for properties where such systems can be bene	eficially employed.		
Yes	Medium	The County of Los Angeles has implemented an emergency mass notification system that is used to contact County residents and businesses via recorded phone messages, text messages, or e-mail messages in case of emergency. The system, called ALERT LA County, is used by the County's Emergency Operations Center to notify residents and businesses of emergencies or critical situations and provide information regarding necessary actions, such as evacuations. The system also utilizes the telephone companies' 911 database and can contact land-line telephone numbers, whether listed or unlisted. If the call is picked up by an answering machine, the system will leave a recorded message. If the number called is busy or does not answer, the system will redial the number in an attempt to deliver the message. The system is also TTY/TDD compatible. In addition, the National Weather Service sends out mass notifications to impacted communities via Wireless Emergency Alerts (WEA). WEA are emergency messages sent by authorized government authorities through			
		participating mobile carriers. Government partners include local and State public safety agencies, FEMA, the FCC, the Department of Homeland Security, and the National Weather Service. No app or sign-up is required, and alerts are sent automatically to WEA-capable phones during emergencies.			
unincorpora	Initiative No. 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.				
Yes	High	Public Works will 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.			
	Initiative No. 32 — Continue to enforce the County's development regulations to prevent increases of the flood hazard on adjacent properties.				
Yes	High	The County of Los Angeles continues to regulate development in FEMA's Special Flood Hazard Areas and adopted County Floodplains in unincorporated areas.	✓		

		(REPORTING PERIOD JUNE 15, 2022 – JUNE 14, 2023)	
		Completion status legend:	
	ject Comp	oleted O = Action ongoing toward completion X = No Progress	
Action Taken?	Priority	Status	Completion Status (✓, O, X)
Initiative No conditions.	. 33 — Co	nduct an evaluation of FEMA-designated flood zones and revise/update ther	n to reflect current
Yes	High	The County of Los Angeles works with FEMA to update the Flood Insurance Rate Maps. The updates are the result of new Flood Insurance Studies being conducted by FEMA in cooperation with affected cities and the County of Los Angeles. Public Works reviews Letters of Map Changes submittals for projects that may revise/update FEMA designated flood zones. Currently a Letter of Map Revision (LOMR) is in review with FEMA for part of the Kagel Canyon area. The County of Los Angeles has a website and mobile friendly version of the Flood Zone Determination Website where developers and stakeholders can access flood hazard information for properties in unincorporated Los Angeles County. This website and interactive maps are updated periodically to provide accurate flood zone information.	✓
		ontinue to maintain and update the Hazus-MH model constructed to suppor lood risk information available to property owners.	t the development
Yes	High	The County of Los Angeles continues to update the data used in the Hazus-MH model such as property information and topography.	0
Initiative No	. 35 — Co	ontinue County coordination with other agencies and stakeholders on issues	of flood control.
Yes	Medium	The County of Los Angeles continues to partner and explore partnership opportunities with other agencies and stakeholders regarding flood control issues. Annually, Public Works conducts the All-Hazard Orientation meeting (formerly known as the Storm Orientation meeting) at the beginning of every storm season. Speakers from the National Weather Service, Office of Emergency Management, and Stormwater Engineering Division present to prepare Public Works for the upcoming storm season.	0
Initiative No	. 36 — Cc	ontinue to identify and assess drainage needs.	
Yes	High	Los Angeles County Public Works' Stormwater Maintenance Division monitors and inspects channels, storm drains, and flood retention basins owned by the Los Angeles County Flood Control District. In addition, Public Works' Land Development Division and Building and Safety Division enforce drainage building code requirements for new construction and alteration projects.	✓
		nce FEMA establishes its Building Resilient Infrastructure and Communities plan accordingly to meet the BRIC program guidelines.	(BRIC) program,
Yes	Medium	Since the BRIC program has been established, the County of Los Angeles continues to look for opportunities that identify mitigation actions and implement projects that reduce risk posed by natural hazards.	0

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 plan:

No recommendations for changes or enhancements during this reporting period

PROGRAM FOR PUBLIC INFORMATION IMPLEMENTATION

Summary Overview of Implementation: The annual performance period for the County of Los Angeles' program for public information is from June 15 to June 14 of each year. In the 2022-23 reporting period, all 26 identified outreach projects (100 percent) were implemented. All projects have resulted in progress toward desired outcomes.

The Program for Public Information Committee: The Program for Public Information Committee, made up of stakeholders within the planning area, reviewed and approved this progress report at its annual meeting held on May 16, 2023. It is expected that turnover will occur in Program for Public Information Committee membership from year to year. For this reporting period, the committee membership is as indicated in Table 3.

TABLE 3. PROGRAM FOR PUBLIC INFORMATION COMMITTEE (JUNE 15, 2022 – JUNE 14, 2023)		
Name	Jurisdiction/Agency	
Patricia Wood	CRS Coordinator, Los Angeles County Public Works	
Ciara Barnett	Community Service and Government Relations Group, Los Angeles County Public Works	
Kari Eskridge	Community Service and Government Relations Group, Los Angeles County Public Works	
Debbie Sharpton	Environmental Restoration Group	
Erica Frausto-Aguado	American Red Cross, Los Angeles Region	
Shannon Ggem	Malibou Lake Mountain Club	

Review of the Outreach Projects: Program for Public Information Implementation Status reviews the identified outreach projects, reporting on the following items:

- The target audiences, the messages, and the desired outcomes.
- The projects in the PPI used to convey the messages.
- Which projects were implemented.
- Why some projects were not implemented.
- What progress was made toward the desired outcomes.
- What should be changed.

PROGRAM FOR PUBLIC INFORMATION IMPLEMENTATION STATUS

TOPIC 1: KNOW YOUR FLOOD HAZARD

1. MESSAGE: KNOW YOUR FLOOD ZONE

(www.dpw.lacounty.gov/wmd/floodzone/index.cfm)

Target Audiences:

- Residents, property owners, and businesses in the regulated floodplains
- Renters in flood-prone areas
- Critical facility operators in the regulated floodplains
- Real estate agents, lenders, and insurance agents

Desired Outcomes:

- Increase in hits to Flood Zone Determination website

Progress Toward Outcomes:

Los Angeles County Flood Zone Determination webpage hits:

June 15, 2021, to June 14, 2022: 13,701 June 15, 2022, to June 14, 2023: 24,780

- We created a mobile-friendly version of the Flood Zone Determination website.

a. Project: Mailing of outreach booklet "Are You Prepared for a Flood?" to target audiences

Assignment: Los Angeles County Public Works (Public Works)

Schedule: Annually, prior to rainy season (October)

Stakeholder Delivery (Element STK)1?: No

Implemented: Yes

Enhancement to project:

- The "Are You Prepared for a Flood?" booklet was updated in 2021.
- The "Are You Prepared for a Flood?" booklet was translated to Spanish in 2022. A QR code to access the Spanish version will be provided in the English language booklet. The Spanish booklet is also available on the Public Works' NFIP website.
- To increase the outreach to target audiences, the booklets have been distributed to the following public libraries: Castaic, Lancaster, Malibu, Quartz Hill, Topanga. Additionally, the booklet is distributed to Public Works' Building and Safety Division's plan check counters at its headquarters and field offices.
- Consider distribution of booklets to County Department of Parks and Recreation's facilities.
- Consider providing the booklet in other languages with corresponding QR codes in the English version if the demographics demonstrate the need.

Footnote:

- ¹ Element STK is a FEMA Community Rating System (CRS) point multiplier that credits project messages delivered or endorsed by stakeholders that are <u>not</u> part of the local government (i.e., Los Angeles County). Stakeholders are the individuals, agencies, and jurisdictions that have a vested interest in the recommendations of this plan, including:
 - Community representatives
 - Environmental advocacy groups
 - Local non-County disaster preparedness and response agencies

- Residents, owners, and operators of businesses within the floodplain
- Repetitive loss area representatives.
 - A Gap in Maps analysis was performed to determine homes in close proximity to streams, but where a FEMA or County floodplain has not been mapped; appropriate homes were added to the distribution list for the booklet.
 - Public Works provided our web address in the mailers to allow target audiences to download the outreach materials.

b. Project: Social media post for "Are You Prepared for a Flood?" booklet

Assignment: Public Works
Schedule: Annually (October)

Element STK?: No Implemented: Yes Enhancement to project:

- Continue implementation of program

- Provided Spanish version of booklet on social media

- Consider keeping track of Twitter impressions

- Consider providing booklet to realtor associations (i.e. Board of Realtors)

Project: Annual notice of map information services to local realtors/lenders/insurance agents pursuant to the publicity requirements of CRS Activity 320

Assignment: Public Works Schedule: Annually (October)

Element STK?: Yes Implemented: Yes Enhancement to project:

- Mail annual notice to 85 agents in the unincorporated communities and adjacent areas. Consider expanding distribution list to additional agents.

2. MESSAGE: YOU ARE IN A REPETITIVE LOSS AREA

Target Audiences:

- Residents, property owners, and businesses in mapped repetitive loss areas (RLAs)

Desired Outcomes:

- Increase in inquiries to Public Works regarding flood hazards from repetitive loss property (RLP) owners
- Property owners implementing temporary or permanent flood mitigation projects
- Increased demand for sandbags during the storm season

Progress Toward Outcomes:

- Public Works to query its log of calls in the future to determine how many are from repetitive loss areas.
- Conduct field visits to all RLPs within a 5-year period to document any flood mitigation measures.
- In addition, field visits are conducted for all properties in RLAs.
- Public Works resubmitted the appropriate forms for 4 RLPs and 3 burned structures from the Woolsey Fire for FEMA's consideration to potentially classify the properties as being mitigated.

 Public Works provides sandbags to the Los Angeles County Fire Department for distribution to residents at over 160 local County Fire Stations. Demand for sandbags varies from year to year. Public Works always maintains in its warehouse a stockpile of over 750,000 sandbags for the Fire Department.

Year	Sandbags distributed to Fire Department	
2021-2022	42,462	
2022-2023	172,000	

a. Project: Annual mailing to Repetitive Loss Area Properties

Assignment: Public Works
Schedule: Annually (October)

Element STK?: No Implemented: Yes

Enhancement to project:

In 2022, outreach materials were mailed to all properties within an RLA. If applicable, future mailings can be tailored to other areas that may be subject to potential flood hazards, such as areas within or below watersheds that have been recently burned.

TOPIC 2: INSURE YOUR PROPERTY FOR YOUR FLOOD HAZARD

1. MESSAGE: YOU NEED FLOOD INSURANCE

Target Audiences:

- Residents, property owners, and businesses in the 100-year (1 percent annual chance) floodplain
- Homeowners/building owners who do not have a mortgage or federally-backed mortgage

Desired Outcomes:

- Increase in flood insurance policy holders for insurable structures in the 100-year (1 percent annual chance) floodplain

Progress Toward Outcomes:

- Total Policy Holders in Unincorporated LA County:

Date, 2021 945 Date, 2022 814

There can be several factors affecting the increase or decrease over time of policy holders in the unincorporated areas. The fluctuation in the numbers of policies may be the result of several factors including: annexations of unincorporated areas into adjacent cities; and revisions in the Flood Insurance Rate Maps and Letter of Map Revisions that are the result of drainage improvements or corrections to the floodplain boundaries.

- Public Works created a webpage for Risk Rating 2.0, FEMA's new methodology for calculating NFIP flood insurance premiums. The new webpage explains the changes in flood insurance premiums and provides answers to frequently asked questions. The site is continuously updated as new information on Risk Rating 2.0 is released from FEMA. https://dpw.lacounty.gov/wmd/NFIP/Risk-Rating/
- a. Project: Mailing to property owners in the flood zones and repetitive loss areas Assignment: Public Works

Schedule: Annually (October)

Element STK?: No Implemented: Yes

Enhancement to project:

- Continue mailing outreach material to properties in the RLAs and properties in Special Flood Hazard Areas (SFHAs, which may include RLPs). In 2022, outreach materials were mailed to all RLA properties, and 1,753 flood preparedness booklets were mailed to properties in SFHAs, County Floodways, which include areas that may be outside SFHAs, and Gaps in the Maps. Mailing lists are updated accordingly to account for: annexations of unincorporated areas into adjacent cities; and changes in the Flood Insurance Rate Maps (FIRMs) that are the result of Letters of Map Revision (LOMRs), Physical Map Revisions (PMRs), and the Gaps in the Maps Analysis.
- Consider using Twitter to disseminate this message
- Consider keeping track of Twitter impressions

2. MESSAGE: RENTERS CAN BUY FLOOD INSURANCE

Target Audiences:

- Renters in flood prone areas

Desired Outcomes:

- Increase in flood insurance purchase by renters in the 100-year (1 percent annual chance) floodplain

Progress Toward Outcomes:

- Specific statistics on flood insurance policies for content-only coverage for renters is not yet available.

a. Project: Mailing to renters in the flood zone

Assignment: Public Works Schedule: Annually (October)

Element STK?: No Implemented: Yes

Enhancement to project:

- To reach renters, the "Are You Prepared for a Flood?" booklets are mailed to the site address and the building owner's mailing address. The booklet was updated in 2021 and specifies renters may also purchase flood insurance.
- The "Are You Prepared for a Flood?" booklet was translated to Spanish in 2022. A QR code to access the Spanish version will be provided in the English language booklet. The Spanish booklet is also available on the Public Works' NFIP website.
- Provided Spanish version of FEMA's publications related to flooding on Public Works' NFIP website.
- Consider providing the booklet in other languages with corresponding QR codes in the English version if the demographics demonstrate the need.
- Consider using a QR code flyer distribution for communities

TOPIC 3: PROTECT PEOPLE FROM THE FLOOD HAZARD

1. MESSAGE: AVOID SWIFT WATER

Target Audiences:

- People/children who hike or bike through channels and streams
- People who are camping/residing in channels and streams

Desired Outcomes:

- Decrease in swift water rescues
- Decrease in observed camping/residing in the channels and streams

Progress Toward Outcomes:

- The County of Los Angeles Fire Department performs swift water rescues where the need arises.
- Public Works has multiple YouTube videos regarding the flood hazard:
 - Stormwater safety: <u>https://www.youtube.com/watch?v=5jFl6Z-Ld4w</u>
 - Swift Water: <u>https://www.youtube.com/watch?v=EcOpX7TGY84</u>
 <u>https://www.youtube.com/watch?v=2_oejOP_o_k</u>
 - Storm season evacuation: <u>https://www.youtube.com/watch?v=gqrr1_o4WYA</u>
 https://www.youtube.com/watch?v=07BHy2Acq-Q
- Public Works tweets messages urging residents to stay away from rivers and channels during storms.
- Public Works posts messages and videos on Facebook reminding people to steer clear of swift-moving water during storms
- Public Works has created a new GIS system, Homeless Encampment Automated Reporting System (HEARS), to document encampments in the Flood Control District. HEARS allows Stormwater Maintenance crews to submit the information electronically in the field using a smart mobile device. The request is sent to Stormwater Maintenance Division engineers for approval. Upon approval, an email is automatically sent to the Chief Executive Office Homeless Initiative Office (CEO HI). CEO-HI routes the request to the Los Angeles Homeless Services Authority (LAHSA) for their public outreach and coordination with the Los Angeles Sheriff's Department Homeless Outreach Service Team (HOST). LAHSA's outreach engages the encampment inhabitants and makes them aware of available programs that offer housing, family reconnection, shelters, food, and attaining identification. Following LAHSA's outreach, Stormwater Maintenance posts a notice that informs the encampment inhabitants that they are trespassing and gives them a 2-week timeframe to move to safety. If necessary, the County Sherriff may assist in the relocation of the encampment inhabitants.
- The counts for People Experiencing Homelessness (PEH) near riverbeds in the County of Los Angeles are below:

	Count of PEH	
Riverbed Name	2021- 22	2022- 23
Alhambra Wash	3	5
Aliso Canyon Creek	2	8
Amargosa Creek	2	2
Arroyo Seco	42	45
Arroyo Sequit	0	1
Avocado Creek	2	1
Ballona Creek	1	27
Bell Creek	1	4
Big Dalton Wash	6	7

		of PEH
51 1 10	2021-	2022-
Riverbed Name	22	23
Big Tujunga Creek	0	3
Big Tujunga Wash	3	0
Browns Canyon Wash	34	87
Bull Creek	0	24
Cabellero Creek	8	12
Centinela Creek Channel	3	9
Central Branch Tujunga Wash	48	86
Charter Oak Creek	3	0
Chatsworth Creek	0	1
Chino Creek	3	4
Compton Creek	4	31
Coyote Creek	6	7
Dominguez Channel	57	27
East Canyon Channel	5	1
Eaton Wash	14	19
Eller Slough	2	0
Encino Creek	0	4
Governor Edmund G Brown CA Aqueduct	0	2
Grand Canal	8	31
La Canada Verde Creek	26	27
La Mirada Creek	1	2
Las Virgenes Creek	0	1
Leffingwell Creek	9	1
Lemon Creek	0	1
	22	19
Limekiln Canyon Wash	7	2
Little Dalton Wash	1	0
Little Tujunga Creek	1	2
Live Oak Wash	125	282
Los Angeles River	-	-
Malibu Creek	0	2
Marshall Creek	=	0
Meadow Upper Feeder	1	7
Medea Creek	14	0
Mescal Creek	1	0
Newhall Creek	1	0
Pacoima Wash	18	60
Puente Creek	9	13
Rio Hondo	49	54
Rubio Wash	1	5
San Antonio Creek Channel	0	1
San Dimas Wash	18	25
San Gabriel River	80	73
San Jose Creek Diversion Channel	9	16
Santa Anita Wash	12	29
Santa Clara River	0	2
Santa Susana Pass Wash	0	6
Sawpit Wash	1	4
Thompson Wash	12	20
Tujunga Wash	11	30
Verdugo Wash	1	2
Walnut Creek	4	5
Wilbur Wash	0	1
Total	692	1140
I Ulai	032	1140

Source: US Census, La County Assessor (2020), LAHSA HMIS

a. Project: YouTube videos – Public Service Announcements (PSAs) for swift water warning

Assignment: Public Works

Schedule: Year-round on YouTube

Element STK?: No Implemented: Yes Enhancement to project:

- Consider posting YouTube videos on social media

b. Project: Social media reminder

Assignment: Public Works

Schedule: Prior to and during rainy season, and during a flood response

Element STK?: No Implemented: Yes Enhancement to project:

- Continue implementation of the program

- Continued use of Facebook to reach residents and business owners of County of Los Angeles
- Continue Facebook and Instagram reminders to reach younger audience
- Consider keeping track of Twitter impressions

2. MESSAGE: TURN AROUND DON'T DROWN

<u>Target Audiences</u>:

Motorists

Desired Outcomes:

- Decrease in swift water rescues

Progress Toward Outcomes:

- Public Works actively uses social media to send messages urging residents to avoid driving or walking through flood waters during storms.

a. Project: Social media reminder

Assignment: Public Works

Schedule: Prior to and during rainy season, and during a flood response

Element STK?: No Implemented: Yes Enhancement to project:

- Continue implementation of the program
- Started providing tweets in Spanish
- Consider keeping track of Twitter impressions

3. MESSAGE: BE AWARE OF HAZARDOUS ROAD CONDITIONS

Target Audiences:

- Motorists

Desired Outcomes:

- Increase in hits to Los Angeles County's road closure website
- Decrease in swift water rescues

Progress Toward Outcomes:

- Public Works actively uses social media to send messages informing residents to be aware of hazardous road conditions.
- Los Angeles County road closure website hits:

June 15, 2021, to June 14, 2022: 253,244 June 15, 2022, to June 14, 2023 162,120

a. Project: Social media reminder

Assignment: Public Works

Schedule: Prior to and during rainy season, and during a flood response

Element STK?: No Implemented: Yes

Enhancement to project:

- Continue implementation of program
- Consider keeping track of Twitter impressions

4. MESSAGE: DO NOT CAMP OR RESIDE IN WATERWAYS

Target Audiences:

- People who are camping/residing in channels and streams

Desired Outcomes:

- Decrease in swift water rescues
- Decrease in observed camping/residing in the channels and streams

Progress Toward Outcomes:

 Public Works Stormwater Maintenance Division coordinates with LAHSA for potential areas where people reside in channels and streams

a. Project: Targeted outreach prior to flood season or major storms

Assignment: Los Angeles Homeless Services Authority (LAHSA), Public Works

Schedule: Year Round Element STK?: No Implemented: Yes Enhancement to project:

- Continue implementation of program

TOPIC 4: PROTECT YOUR PROPERTY FROM THE FLOOD HAZARD

1. MESSAGE: NEED ADVICE FOR PROTECTING YOUR PROPERTY FROM FLOOD HAZARDS? PLEASE CALL US OR VISIT OUR WEBSITE

Target Audiences:

- Residents, property owners, and businesses in the regulated floodplains and in repetitive loss areas
- Environmental consultants/building contractors or others involved in the permitting process
- Gaps in the maps identified properties
- Property owners near recently burned areas

Desired Outcomes:

- Increase in requests for advice/assistance

Progress Toward Outcomes:

 Storm Season Preparation YouTube video: https://www.youtube.com/watch?v=GELAxD7hzIU - Public Works provided Post-Burn Engineering Advice to residents in post burn areas on how to mitigate debris flow impacts on their properties:

Year No. Advice 2020 128 2021 0 2022 0

There were no fires in proximity to homes in Los Angeles County from June 15, 2022, to June 14, 2023.

Public Works maintains over 750,000 sandbags at its warehouse for emergencies, and during storm season provides Los Angeles County Fire Stations with an adequate supply for the public. There was no advice given in 2022 because there were no fire events in that year that warranted the need to provide advice.

 During Repetitive Loss Property site visits, observed mitigation measures were documented. Public Works resubmitted the appropriate forms for 4 RLPs and 3 burned structures from the Woolsey Fire for FEMA's consideration to potentially classify the properties as being mitigated.

a. Project: YouTube video storm season preparation

Assignment: Public Works

Schedule: Available year-round online

Element STK?: No Implemented: Yes Enhancement to project:

- Continue implementation of program

b. Project: Twitter reminder

Assignment: Public Works

Schedule: Prior to and during rainy season

Element STK?: No Implemented: Yes Enhancement to project:

- Continue implementation of program

- Consider keeping track of Twitter impressions

c. Project: Distribute mailer to affected properties

Assignment: Public Works

Schedule: Prior to and during rainy season and as needed

Element STK?: No Implemented: Yes

Enhancement to project:

Continue implementation of the program. Currently, owners and residents of properties within a SFHA, County floodway, or other known flood-prone areas receive a "Are you Prepared for a Flood?" booklet. In addition, owners and residents of properties within RLAs receive a letter that contains extensive resources with information on ways to mitigate flood hazard on their properties. Consider distributing booklets during the County's Household Hazardous Waste Collection events

d. Project: Facebook message

Assignment: Public Works

Schedule: Prior to and during rainy season

Element STK?: No Implemented: Yes Enhancement to project:

- Continue implementation of program

2. MESSAGE: SANDBAGS AVAILABLE

Target Audiences:

- Residents, property owners, and businesses in the recently burned areas, regulated floodplains, and in repetitive loss areas

Desired Outcomes:

- Increase in demand for sandbags during the storm season

Progress Toward Outcomes:

- Public Works actively uses social media to send messages informing residents on fire department locations for free sandbag distribution
- Consider providing information on how to properly dispose of sandbags

a. Project: Social Media Message

Assignment: Public Works

Schedule: Prior to rainy season, and during a flood response

Element STK?: No Implemented: Yes Enhancement to project:

Continue implementation of program

- Consider keeping track of Twitter impressions

TOPIC 5: BUILD RESPONSIBLY

1. MESSAGE: A LITTLE INVESTMENT NOW COULD SAVE YOU MONEY LATER

Target Audiences:

- Environmental consultants/building contractors or others involved in the permitting process.
- Homeowners applying for permits

Desired Outcomes:

- Increase protection of structures from flood hazards

Progress Toward Outcomes:

- Public Works' current Building and Safety and Land Development plan checking procedures enforce flood protection requirements.

a. Project: Promote on social media (Twitter) and NFIP website

Assignment: Public Works

Schedule: Year-round; revisions to website by October

Element STK?: No Implemented: Yes

Enhancement to project:

- Continue to provide at Public Works' Building and Safety permit counters booklets and FEMA flyers about proper construction
- Consider providing this information to organizations (e.g. local chapter of the American Institute of Architects) that would benefit from it during the planning phase
- Consider providing recommendations during the building process to construct above minimum flood protection requirements

TOPIC 6: PROTECT NATURAL FLOODPLAIN FUNCTIONS

1. MESSAGE: NO DUMPING

Target Audiences:

- Countywide
- Areas where there are significant instances of illegal dumping into storm drains, channels, and flood control basins

Desired Outcomes:

- A reduction of illegal dumping instances

Progress Toward Outcomes:

- Public Works added a link to the County's CleanLA webpage on Public Works' National Flood Insurance Program's Resources and Links webpage to report illegal dumping.
- Public Works' YouTube channel has public service announcements featuring athletes from the Los Angeles Dodgers and Clippers to encourage residents to "Keep it classy, not trashy".
 - PSA Illegal Dumping with Dodgers Adrian Gonzalez: https://youtu.be/YabWhMjklkw
 - PSA Illegal Dumping with Clippers Lamond Murray <u>https://youtu.be/DRO77wc0rjc</u>
- Number of illicit discharges to which the Los Angeles Flood Control District responded:

Fiscal Year 2020 - 2021: 121 Fiscal Year 2021 - 2022: 232

Number illegal dumping reported to Public Works countywide:

Fiscal Year 2021 - 2022: 16,757 Fiscal Year 2022 - 2023: 10,895

- In an effort to educate the public and promote behavioral change to prevent stormwater pollution, Public Works implements the Public Information and Participation Program that addresses water quality priorities and stormwater management program priorities. In addition, Public Works continues water education through its Water for LA (www.WaterForLA.com) platform, to provide trusted information to the residents of Los Angeles County and inspire them to reevaluate their relationship with water. As part of the Water for LA countywide water educational program, Public Works conducts social media and email outreach to residents and businesses across Los Angeles County and implements paid media outreach campaigns consisting of digital display, video, radio, print and

out-of-home ads. Stormwater pollution prevention topics included instructions for properly disposing of household hazardous waste as well as tips on how to reduce pollutants such as pesticides, litter, and other common household chemicals. Other ongoing outreach efforts include:

- School education outreach programs, Environmental Defenders (K-5th grade) and Generation Earth (6-12th grade)
- Used Motor Oil and Oil Filter Campaign
- Household Hazardous and Electronic Waste Program
- o Smart Gardening Program

a. Project: Drains to Ocean signage/No Dumping signage

Assignment: Public Works

Schedule: Signs posted year-round at LACFCD facilities

Element STK?: No Implemented: Yes Enhancement to project:

- Continue implementation of the program

b. Project: YouTube Video

Assignment: Public Works

Schedule: Available year-round online

Element STK?: No Implemented: Yes Enhancement to project:

Continue implementation of the program

TOPIC 7: GENERAL PREPAREDNESS

1. MESSAGE: SIGN UP FOR ALERT LA

Target Audiences:

- Countywide
- Residents, property owners, and businesses in the regulated floodplains
- School Districts

Desired Outcomes:

- Increase the number of residents who register their mobile device numbers for Alert LA

Progress Toward Outcomes:

- The number of enrollments for Alert LA County:

June 15, 2021, to June 14, 2022: 3,222 June 15, 2022, to June 14, 2023: 5,224

- The County of Los Angeles' website for storm preparation promotes residents to sign up for Alert LA and provides resources for preparation such as weather forecast, videos, guides, notifications, and tweets.

http://www.lacounty.gov/larain

a. Project: Promote Alert LA on County Website

Assignment: Public Works, Los Angeles County Sheriff's Department

Schedule: Available online year round

Element STK?: No Implemented: Yes Enhancement to project:

- Continue implementation of the program

b. Project: Provide Alert LA County Booklet

Assignment: OEM

Schedule: Available online year round

Element STK?: No Implemented: Yes

Enhancement to project:

- Included language promoting Alert LA in the flood preparedness booklet
- Continue implementation of the program

c. Project: Promote on social media

Assignment: Public Works

Schedule: Annually Element STK?: No Implemented: Yes Enhancement to project:

Continue implementation of the program

2. MESSAGE: DEVELOP A FAMILY DISASTER PLAN

Target Audiences:

- Countywide
- Residents, property owners, and businesses in the regulated floodplains
- School Districts

Desired Outcomes:

- Increase preparedness by residents

Progress Toward Outcomes:

- In addition to County OEM's website, the County of Los Angeles' website for emergency preparation provides residents with resources, tips, and facts to equip and alert them on how to best respond to emergencies and recover from disasters. http://www.lacounty.gov/emergency

https://ready.lacounty.gov/

a. Project: Promote on social media (Twitter) and website

Assignment: Public Works

Schedule: Quarterly, during rainy season and during a flood response

Element STK?: No Implemented: Yes

Enhancement to project:

- Continue implementation of the program
- Consider keeping track of Twitter impressions

3. MESSAGE: KNOW YOUR RISK

<u>Target Audiences</u>:

- Countywide
- Residents, property owners, and businesses in the regulated floodplains
- School Districts

Desired Outcomes:

- Increase visits to the Flood Zone Determination Website

Progress Towards Outcomes:

Los Angeles County Flood Zone Determination webpage hits:

June 15, 2021, to June 14, 2022: 13,701 June 15, 2022, to June 14, 2023 24,780

a. Project: Mailer to all properties with structures in the floodplain

Assignment: Public Works

Schedule: Annual Mailing (October)

Element STK?: No Implemented: Yes Enhancement to project:

Continue implementation of the program

b. Project: Promote on social media (Twitter)

Assignment: Public Works

Schedule: Annually Element STK?: No Implemented: Yes

Enhancement to project:

- Continue implementation of the program
- Consider keeping track of Twitter impressions

4. MESSAGE: BE AWARE, #LARAIN IS COMING

Target Audiences:

- Countywide
- Residents, property owners, and businesses in the regulated floodplains
- School Districts

Desired Outcomes:

- Increase awareness of incoming storms

Progress Towards Outcomes:

- The County of Los Angeles tweets forecasts such as flood advisory, flash flood warnings and flood-related information from the National Weather Service Los Angeles.

a. Project: Twitter reminder

Assignment: Public Works, National Weather Service Los Angeles

Schedule: During rainy season and during a flood response

Element STK?: No Implemented: Yes

Enhancement to project:

- Continue implementation of the program
- Consider keeping track of Twitter impressions

Recommendations for Changes or Enhancements: Based on the review of this report by the Program for Public Information Committee, the following changes will be incorporated during the next performance period:

- Consider keeping track of Twitter impressions, which is a tally of the number times a tweet has been seen
- Consider distribution of outreach material to additional County facilities such as County Parks and Recreations facilities
- Consider using QR codes on flyers to communities to help disseminate flood zone information
- Consider providing booklets and flood information in different languages
- Consider utilizing Nextdoor for targeted social media messaging
- Consider adding link to LA County NFIP website to access the American Institute of Architects' (AIA) local chapter website

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 County Los Angeles Chief Executive Office and to local media outlets and the report is posted on the Floodplain Management Plan website. Any questions or comments regarding the contents of this report should be directed to:

Los Angeles County Public Works Stormwater Engineering Division (626) 458-6131