

# COUNTY OF LOS ANGELES REPETITIVE LOSS AREA ANALYSIS PROGRESS REPORT



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2022-2023

**COUNTY OF LOS ANGELES  
REPETITIVE LOSS AREA ANALYSIS  
PROGRESS REPORT 2022-2023**

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**County of Los Angeles**  
**Repetitive Loss Area Analysis**  
**2022-23 Annual Progress Report**

**REPORTING PERIOD:** June 15, 2022, to 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.

The County of Los Angeles also prepared a Repetitive Loss Area Analysis (RLAA). FEMA defines a repetitive loss property as any insurable building for which two or more claims of more than \$1,000 were paid by the NFIP within any rolling 10-year period, since 1978. A repetitive loss area is an assessment of properties nearby that are not identified by FEMA as Repetitive Loss Properties. The repetitive loss area outlines and assesses the areas that may be exposed to similar flood risks, the likely sources of flooding, and possible mitigation measures to reduce the risk from flood events. 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.

**PURPOSE:** The purpose of this progress report is to provide an annual update on the implementation of the action plan identified in the RLAA. The objective is to ensure there is a continuing and responsive planning process that will keep the repetitive loss areas 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:

- Review of the action plan
- Implementation status of action plan
- Recommendations for changes/enhancement

**REPETITIVE LOSS AREA ANALYSIS PROGRESS**

**Summary Overview of the Action Plan's Progress:** The RLAA was created in conjunction with the development of the updated Comprehensive Floodplain Management Plan (FMP). The FMP identified and prioritized an action plan that had a direct relevance to the RLAA. The 37 flood hazard mitigation initiatives identified in the FMP's action plan were adapted to apply to the RLAA's action plan.

The FMP Steering Committee, made up of stakeholders within the planning area, reviewed and approved the annual progress report for the FMP at a meeting held on July 05, 2023. The FMP and the FMP progress report for 2022-23 are available at the following website:

<https://dpw.lacounty.gov/wmd/nfip/fmp/>

The RLAA was adopted by the County of Los Angeles Board of Supervisors on June 15, 2021. Although a formal update is required every 5 years, the RLAA can be adjusted as needed during this period. The RLAA identified 37 flood hazard mitigation initiatives to be pursued during the 5-year period. As of the end of this reporting period, the mitigation initiatives identified in the RLAA are 75 percent complete. As of this reporting period, the overall progress is as follows:

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

**Review of the Action Plan:** Table 1 reviews the action plan, reporting the status of each initiative. Reviewers of this report should refer to the RLAA for more detailed descriptions of each initiative and the prioritization process.

**TABLE 1  
ACTION PLAN MATRIX  
(REPORTING PERIOD JUNE 15, 2022 – JUNE 14, 2023)**

<i>Completion status legend:</i>			
✓ = Project Completed		O = Action ongoing toward completion	
		X = No Progress at this time	
Action Taken?	Priority	Status	Completion Status (✓, O, X)
Initiative No. 1 — Promote awareness of flood hazards to residents in flood hazard areas.			
Yes	High	<p>In October 2022, County of Los Angeles Public Works (Public Works) mailed 235 letters with the link to the County of Los Angeles and FEMA publications to all Repetitive Loss Properties (RLP) and properties in the Repetitive Los Areas (RLA). Additionally, 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. The "Are You Prepared for A Flood?" booklet was translated into Spanish and posted on Public Works' NFIP website in early 2023. The booklets in English and Spanish were distributed to the Castaic, Lancaster, Malibu, Quartz Hill, and Topanga Public Libraries. Brochures were also distributed to the Los Angeles County Building and Safety offices. The County of Los Angeles' National Flood Insurance Program (NFIP) website links were checked and updated.</p> <p>In June 2023, Public Works prepared a strategy to improve flood risk outreach to unincorporated area residents. The strategy outlines future measures such as webinars tailored to unincorporated communities, and links to Public Works' NFIP website on the websites of unincorporated area town councils and professional organizations.</p>	✓

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Action Taken?	Priority	Status	Completion Status (✓, O, X)
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).	✓
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	High	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 and fire stations.	✓
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:			
<ul style="list-style-type: none"> <li>• Annually notify owners regarding local flood hazards and proper protection activities</li> <li>• Provide technical advice regarding flood protection and flood preparedness</li> <li>• Distribute a revised questionnaire to new Repetitive Loss Properties</li> </ul>			
	High	Public Works performs field visits to all RLP and RLA properties a minimum 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.	O
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: <a href="http://dpw.lacounty.gov/dsg/sandbags/">http://dpw.lacounty.gov/dsg/sandbags/</a>	✓

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Initiative No. 6 — Provide public education about maintaining the stormwater system free of debris.			
Yes	High	<p>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 (<a href="http://www.WaterForLA.com">www.WaterForLA.com</a>) 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:</p> <ul style="list-style-type: none"> <li>• School education outreach programs, Environmental Defenders (K-5th grade) and Generation Earth (6-12th grade)</li> <li>• Used Motor Oil and Oil Filter Campaign</li> <li>• Household Hazardous and Electronic Waste Program</li> <li>• Smart Gardening Program</li> </ul>	✓
Initiative No. 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.			
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.	✓

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Initiative No. 9 — Provide emergency preparedness and flood protection information to the general public.			
Yes	High	<p>The County of Los Angeles provides emergency and flood protection information to the public through different means including:</p> <ul style="list-style-type: none"> <li>• A website specifically devoted to emergency announcements currently happening in the county. <a href="http://www.lacounty.gov/emergency/">http://www.lacounty.gov/emergency/</a></li> <li>• 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: <a href="https://ready.lacounty.gov/">https://ready.lacounty.gov/</a></li> <li>• 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: <a href="https://ceo.lacounty.gov/emergency-management/">https://ceo.lacounty.gov/emergency-management/</a></li> <li>• Various flood hazard videos produced by Public Works and made available through YouTube including: <ul style="list-style-type: none"> <li>- Storm water safety: <a href="https://www.youtube.com/watch?v=5jF16Z-Ld4w">https://www.youtube.com/watch?v=5jF16Z-Ld4w</a></li> <li>- Swift Water: <a href="https://www.youtube.com/watch?v=EcOpX7TGY84">https://www.youtube.com/watch?v=EcOpX7TGY84</a> <a href="https://www.youtube.com/watch?v=2_oejOP_o_k">https://www.youtube.com/watch?v=2_oejOP_o_k</a></li> <li>- Storm season evacuation: <a href="https://www.youtube.com/watch?v=gqrr1_o4WYA">https://www.youtube.com/watch?v=gqrr1_o4WYA</a> <a href="https://www.youtube.com/watch?v=07BH2Acq-Q">https://www.youtube.com/watch?v=07BH2Acq-Q</a></li> </ul> </li> </ul>	✓
Initiative No. 10 — Distribute information to Repetitive Loss Areas regarding flood prevention and flood insurance at emergency operations and emergency preparedness events.			
Yes	High	<p>Emergency Management Group participated in the Public Works Headquarters Emergency Preparedness Fair in October 2022. Emergency Management Group, County of Los Angeles Office of Emergency Management, LA County Fire, and LA County Sheriff also participated in the LA County Fair in May 2023. LA County Fire and LA County Sheriff also participated in the 25th Tribute to Veterans and Military Families Event in May 2023. Participants at the events above provided attendees with information and resources, such as the “Are You Prepared for a Flood?” booklet, “Alert LA County” brochure, “Homeowner’s Guide for Flood, Debris, and Erosion Control,” and the “Emergency Survival Guide.” The County continues search for future events to distribute information.</p>	O
Initiative No. 11 — Develop and maintain a list of priority maintenance-related problem sites.			
Yes	High	<p>When Public Works encountered maintenance-related problem sites, Public Works mitigated maintenance-related issues with improvement projects and/or increased maintenance.</p>	✓

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Initiative No. 12 — Conduct routine maintenance of flood control facilities and additional maintenance as needed at priority maintenance-related flood problem sites.			
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.	✓
Initiative No. 13 — Conduct a stormwater facilities condition assessment to identify the physical and hydraulic condition of the system and to support infrastructure management.			
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 — Evaluate storm drain, open channel, and flood retention basin facilities for future 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.	O



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Initiative No. 15 — Pursue appropriate flood hazard mitigation grant funding.			
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.	O
Initiative No. 16 — Consider 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.	O
Initiative No. 17 — Refine the plan check system to track properties in the flood zone and address 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. 18 — Flag Repetitive Loss Properties in the plan and check database for review and approval of building permit applications.			
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.	✓

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Initiative No. 20 — Evaluate opportunities for incorporating Watershed Ecosystem Restoration into projects.			
Yes	High	<p>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 Creek downstream of Bouquet Reservoir. In 2001, 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.</p> <p>In addition, the Adventure Park Multi-Benefit Stormwater Capture Project located near South Whittier serves to improve water quality in the Coyote Creek and the San Gabriel River. The construction of a new drainage infrastructure will help capture and treat stormwater. The project is currently in the construction phase at 25% completion. Construction is anticipated to be completed in late 2024.</p>	O
Initiative No. 21 — Where feasible, cost-effective and supported both publicly and politically, restore the natural and beneficial functions of floodplains.			
Yes	Medium	<p>Los Angeles County Public Works continues to evaluate opportunities to restore the natural and beneficial floodplain functions. Public Works is maintaining the completed Santa Anita Habitat Mitigation Project. The project created a habitat in an area previously without vegetation and biodiversity. Public Works collaborated with experts in the field of ecology, arboriculture, wildlife biology, landscape architecture, native plant nurseries and native seed collectors. In addition, Public Works began working on the Big Tujunga Wash Mitigation Area. The Creek Fire in 2017 burned through the mitigation area, leaving the plant communities severely damaged or destroyed. The Creek Fire has provided an opportunity to reestablish trails and restore habitat function essential for sensitive wildlife species. The recovery and maintenance activities will be conducted through December 2023.</p>	O

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Initiative No. 22 — Encourage the application of biological resource measures for the control of stormwater and erosion to the best of their applicable limits.			
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 — Maintain 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.	O
Initiative No. 24 — Maintain standards for the use of structural and nonstructural techniques that mitigate flood hazards and manage stormwater pollution.			
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.	O

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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	High	The County of Los Angeles Regional Planning performs environmental review for land use planning for unincorporated communities in the County of Los Angeles. Projects that generally require an environmental assessment are plan amendments, zone changes, conditional use permits, tentative parcel maps, and tentative tract maps.	O
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.			
Yes	High	<p>The current Los Angeles County General Plan was adopted by the County of Los Angeles Board of Supervisors on October 6, 2015.</p> <p>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.</p> <p>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:</p> <p><a href="https://ceo.lacounty.gov/wp-content/uploads/2022/04/County-of-Los-Angeles-All-Hazards-Mitigation-Plan-APPROVED-05-2020.pdf">https://ceo.lacounty.gov/wp-content/uploads/2022/04/County-of-Los-Angeles-All-Hazards-Mitigation-Plan-APPROVED-05-2020.pdf</a></p>	✓

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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.			
Yes	High	<p>Los Angeles County Public Works partnered with the United States 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.</p> <p>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.</p> <p>The Los Angeles Basin Study is available online at: <a href="https://www.usbr.gov/watersmart/bsp/docs/fy2017/LABasinStudySummaryReport.pdf">https://www.usbr.gov/watersmart/bsp/docs/fy2017/LABasinStudySummaryReport.pdf</a></p> <p>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.</p>	O

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Initiative No. 30 — Identify flood-warning systems for properties where such systems can be beneficially employed.			
Yes	Medium	<p>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.</p> <p>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.</p>	✓
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.	X
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.	✓

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Initiative No. 33 — Conduct an evaluation of FEMA-designated flood zones and revise/update them to reflect current conditions.			
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.	✓
Initiative No. 34 — Continue to maintain and update the Hazus-MH model constructed to support the development of the FMP, to make flood risk information available to property owners.			
Yes	High	The County of Los Angeles continues to update the data used in the Hazus-MH model such as property information and topography.	O
Initiative No. 35 — Continue 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.	O
Initiative No. 36 — Continue 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.	✓
Initiative No. 37 — Once FEMA establishes its Building Resilient Infrastructure and Communities (BRIC) program, consider updating this plan accordingly to meet the BRIC program guidelines.			
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.	O

**Recommendations for Changes or Enhancements:** The following recommendations will be noted for future updates or revisions to the RLAA.

- No recommendations for changes or enhancements during this reporting period

**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*