

Los Angeles County Floodplain Management Plan 2020 Update

LA COUNTY FLOODPLAIN MANAGEMENT PLAN 2020 UPDATE

Who we are:

Public Works is one of 37 departments of the County of Los Angeles, directed by the Board of Supervisors.

What we do:

Public Works designs, builds and maintains transportation and flood control infrastructure, and provides municipal services to the County's unincorporated areas, including serving as the County Floodplain Manager.

Why we're here:

To discuss the update to Los Angeles County's Floodplain Management Plan (FMP).

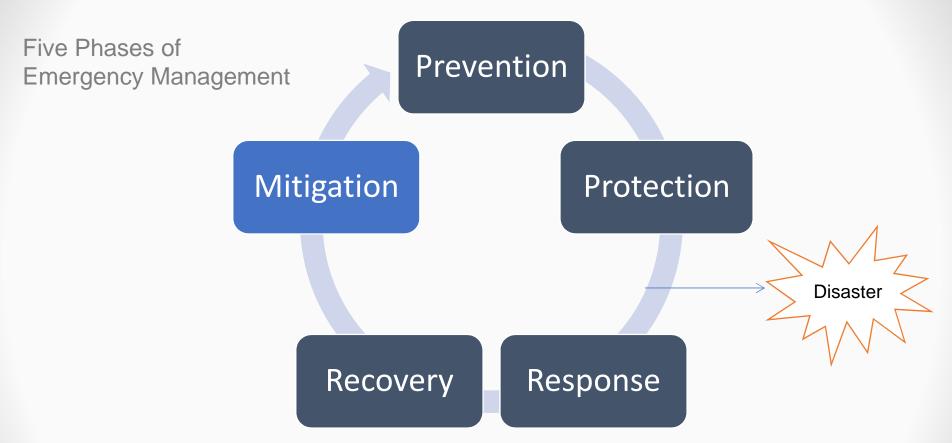


LA COUNTY FMP 2020 UPDATE What are we going to talk about?

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



LA COUNTY FMP 2020 UPDATE What is Mitigation?



"Sustained action taken to reduce or eliminate long-term risk to life and property"



LA COUNTY FMP 2020 UPDATE What is a FMP?

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



LA COUNTY FMP 2020 UPDATE What is a FMP?

A well prepared plan will:

- Perform a comprehensive review of alternatives;
- Identify and prioritize actions;
- Involve the public;
- Educate the public;
- Meet defined goals and objectives



LA COUNTY FMP 2020 UPDATE Why Develop a FMP?

Because flooding is a problem in Los Angeles County:

- There have been more than *30 state or federal flood-related disaster declarations* affecting the communities of Los Angeles County since 1950.
- Los Angeles County was declared a federal disaster area 5 times since 1992.











LA COUNTY FMP 2020 UPDATE Why Develop a FMP?

Types of flooding and flood-related hazards:

- Alluvial fan flooding
- Coastal flooding
- Flash flooding
- Fluvial flooding
- Lake flooding
- Levee flooding

- Mudslides
- Riverine flooding
- Seiche
- Tsunami
- Dam inundation



LA COUNTY FMP 2020 UPDATE Why Develop a FMP?

- Can act as the keyway to funding
- Proactive vs. reactive
- The Community Rating System (CRS)
- Support other planning mechanisms
 - County Hazard Mitigation Plan
 - Land Use plans
 - Watershed plans
- The blueprint for flood risk reduction



LA COUNTY FMP 2020 UPDATE What is the NFIP?

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



LA COUNTY FMP 2020 UPDATE What is the Community Rating System (CRS)?



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



LA COUNTY FMP 2020 UPDATE The CRS and Los Angeles County

- LA County first joined the CRS program in 1990.
- As of May 2011, the County has earned a Class 7 rating.
- Up to 15% reduction on flood insurance premium for residents purchasing or renewing their policies in the unincorporated areas of the County.
- The 1,500 flood insurance policy holders are saving approximately \$214,926 (average of \$143 per policy) annually in insurance premiums.



LA COUNTY FMP 2020 UPDATE The Planning Process

- Primary objectives:
 - Maximize points under the Floodplain Management Plan Activity
 - Improve CRS Class
 - Create a Program for Public Involvement (PPI) as part of the planning process.
- Planning process will follow the CRS 10-step process
- Scope of work has 7 principal phases.





LA COUNTY FMP 2020 UPDATE The Steering Committee

- An 18 member Steering Committee is overseeing the FMP update
- Comprised of non-governmental and governmental stakeholders
- Has met 3 times since June 2019
- Will meet as needed on the 2nd Wednesday of every month.
- All meetings are open to the public
- Agendas and Meeting summaries are available on the County website:

https://dpw.lacounty.gov/WMD/NFIP/FMP2020/

Next Steering Committee Meeting Wednesday, October 9th 9:30 AM to 11:30 PM LA County Public Works Headquarters 900 S. Fremont Avenue, Alhambra, CA 91803



LA COUNTY FMP 2020 UPDATE Mission Statement/Goals

Mission Statement:

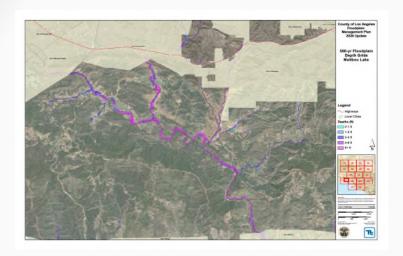
"Protect life, property, the economy and the environment of Los Angeles County by identifying and communicating risks and sustainable actions to reduce flood hazards and thus enhance community resilience."

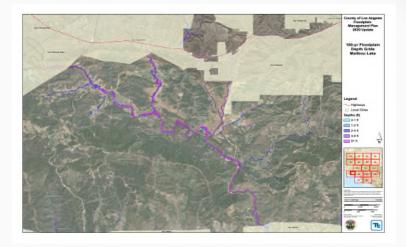
Goals:

- 1. Enhance community resilience from the impacts of flood hazards
- 2. Protect life, safety, property and economy.
- 3. Communicate to residents and stakeholders flood risk based on best available data and science.
- 4. Increase resilience of infrastructure and critical facilities from flood hazards.
- 5. Account for flood risk in land use and planning.
- 6. Preserve, enhance or restore the natural environment's floodplain functions.
- 7. Encourage the development and implementation of long-term, cost-effective and environmentally sound flood hazard mitigation projects.



The LA County Flood Hazard Risk Assessment









LA COUNTY FMP 2020 UPDATE What is Risk?

Risk is defined as a function of:

☑ Hazard

 Source of potential danger or adverse condition

☑ Exposure

 Manmade or natural features that are exposed to the hazard

☑ Vulnerability, and

Damage susceptibility of the exposed features

☑ Capability

- Regulatory Capability
- Technical Capability
- Financial Capability









LA COUNTY FMP 2020 UPDATE What is Risk Reduction?

To reduce Risk:

Manage the Hazard:

E.G. structural flood control

Reduce Exposure:

E.G. remove assets exposed to the hazard

Reduce Vulnerability:

E.G. retrofitting

Increase capability:

E.G. \$, preparation, technical assistance, planning



PARTNERSHIP

PROTECTION



LA COUNTY FMP 2020 UPDATE Risk Assessment

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



LA COUNTY FMP 2020 UPDATE What is Hazus-HM?

- HAZUS-MH is a powerful risk assessment methodology for analyzing potential losses from floods, hurricane winds and earthquakes.
- Current scientific and engineering knowledge is coupled with the latest geographic information systems (GIS) technology to produce estimates of hazard-related damage before, or after, a disaster occurs.





LA COUNTY FMP 2020 UPDATE Repetitive Loss?

- Definition: Any property for which 2 or more flood insurance claims of more than \$1,000 have been paid by the NFIP within any rolling 10-year period since 1978.
- FEMA records indicate there are approximately 60 repetitive loss properties in Unincorporated Los Angeles County.
- The FMP must address repetitive losses through a Repetitive Loss Area Analysis.



LA COUNTY FMP 2020 UPDATE Residents Role In this Open House

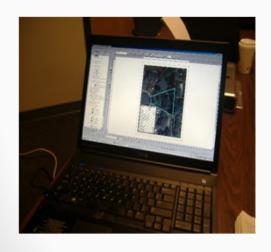
- 1. First and foremost, learn about the flood risk in the County.
- Review the information provided on flood hazards and provide feedback to the planning team on your perception of the risk.
 - Does it appear accurate?
 - Does it support what you may have experienced?
- 3. What do you think could be done do to reduce flood risk?



LA COUNTY FMP 2020 UPDATE Residents Role In this Open House

Visit a Hazus Work Station:

- Find out the risk exposure of your home
 - Determine extent and location
 - Review loss estimates for flood events
 - Receive a printout of the data









LA COUNTY FMP 2020 UPDATE Disclaimer!

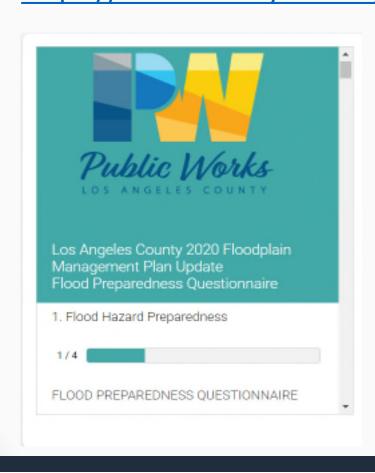
The Hazus Work Stations:

- These are estimates of what COULD happen;
- Not estimates of what WILL happen!
- Based upon best available data and science
- Need to understand that floodplains are dynamic and that modeling represents a snapshot in time.



LA COUNTY FMP 2020 UPDATE Please Compete Our Survey!

https://www.surveymonkey.com/r/LACounty_Flood_2019







LA COUNTY FMP 2020 UPDATE For More Information

Please visit the FMP website at:

https://dpw.lacounty.gov/WMD/NFIP/FMP2020/





LA COUNTY FMP 2020 UPDATE QUESTIONS?

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