



City of Phoenix Floodplain Management Plan (FMP) 2025

FMP Committee Meeting #5

April 9, 2025



AGENDA

- Safety Moment
- Overview of Meetings #1-4
- Evaluate Action Items
- Next Steps



SAFETY MOMENT – ALLERGY SEASON

Symptoms:

Sneezing, itchy eyes, congestion, shortness of breath, wheezing and coughing.

Common Allergens:

- Tree pollen, Grass pollen, Ragweed pollen, and Mold.

Some factors that can affect allergy season:

- Temperature, Rain, Locations with different allergy seasons

Reduce your exposure to allergy triggers:

- Monitor pollen counts and plan activities accordingly
- Wash clothes and shower after being outside
- Close doors and windows
- Air Filters (HEPA), portable air purifiers



OVERVIEW OF CRS ACTIVITY 510 – FLOODPLAIN MANAGEMENT PLAN

- Step 1 – Organize
- Step 2 – Involve the Public
- Step 3 – Coordinate
- Step 4 – Assess the Hazard (FMP Committee Meeting #1)
- Step 5 – Assess the Problem (FMP Committee Meeting #2)
- Step 6 – Set Goals (FMP Committee Meeting #3)
- Step 7 – Review Possible Actions (FMP Committee Meeting #4)
- **Step 8 – Draft an Action Plan (FMP Committee Meeting #5)**
- Step 9 – Adopt a Plan
- Step 10 – Implement, Evaluate, and Revise

← TODAY'S MEETING



FMP Mtg #1: Assess the Hazard

- Special Flood Hazard Areas
 - Riverine Flooding
 - Canal Embankments
- Alluvial Fan
 - Transition from Mountain to Urban Landscape
- Urban Flooding
 - Sheet Flow → Channelized Flow
 - Developments on Fill in Floodplain Fringe
 - Local Flooding
 - Age of Development and Infrastructure
 - Under Capacity Infrastructure
 - Un-Delineated Flood Hazards
 - Wash and Basin Vegetation Maintenance
 - Infill Development



Additional Hazards for Consideration



- Dam and Levee Failure
- Other Non-Flood Related Hazards
 - Climate Change
 - Wildfires
 - Drought
 - Funding



FMP Mtg #2: Assess the Problem



- Life Safety
 - Emergency Warning and Response
 - Evacuations
- Public Health
 - Health Hazards to Individuals – flood waters and mold
- Critical Facilities and Infrastructure
 - Airports, Water Treatment, Fire and Police, Utilities
 - Schools, Hospitals, Senior Care Facilities



FMP Mtg #2: Assess the Problem



- Economy
 - Impacts to Major Employers
- Natural Floodplain Functions
 - Areas Impacted
 - Environmental and Aesthetic Impacts
- Development, Redevelopment, and Population Trends
 - Future Impacts on community, watershed, and natural resources
- Future Flooding Conditions



FMP MTG #3 SET GOALS

- Educate Public, Policy Makers, and City Leaders on Stormwater and Floodplain Management and Risks
- Coordinate with Other Jurisdictions and Agencies to Mitigate Flooding Hazards and Improve Emergency Response
- Protect People, Property and Natural Resources from the Dangers of Flood Hazards
- Protect Critical Infrastructure and Facilities to Ensure Operation during and after Flood Events
- Establish Proactive Maintenance and Preventative Measures for Stormwater Infrastructure



EVALUATE ACTION ITEMS

Educate Public, Policy Makers, and City Leaders on Stormwater and Floodplain Management and Risks

1. Present annually at a City of Phoenix Council Meeting on state of City's stormwater and floodplain.
2. Create an annual stormwater and floodplain management workshop for City leaders, Councilmembers, and Neighborhood Services to help with education and outreach.
3. Develop flyers, CRS Annual Outreach Letter, and a CRS specific webpage for use by the public, City leaders, policy makers, and the City's Neighborhood Services department.
4. Post at least once per month a stormwater, floodplain, or flood insurance related topic on the City's social media platforms.
5. Provide stormwater section bi-annually within the City's water bill for stormwater and floodplain outreach and education purposes.
6. Attend/Present at four neighborhood associations meetings, festivals, or home & garden shows per year to provide information to the public on recent, current, and future stormwater and floodplain projects and the importance of flood insurance.
7. Place signage at City dams to educate the public of the presence of the structure, the need for the structure, and risks.
8. Annual outreach to repetitive loss areas.



EVALUATE ACTION ITEMS

Coordinate with Other Jurisdictions and Agencies to Mitigate Flooding Hazards and Improve Emergency Response

9. Hold annual dam safety and flood response exercises and invite other agencies to participate.
10. Coordinate with the National Weather Service and National Oceanic and Atmospheric Administration for updates to weather forecasting and warnings.
11. Send at least one City staff to a FEMA training/workshop annually for emergency response or floodplain management as credited by CRS Activity 360 – Advisor Training (TNG).
12. Establish a network of Continuously Operating Reference Stations (CORS) throughout the City to provide overlapping coverage to support increased detail in surveys for development and public infrastructure projects.



EVALUATE ACTION ITEMS

Protect People, Property and Natural Resources from the Dangers of Flood Hazards

13. Hold an annual webcast to provide recommendations for proper vegetation maintenance and flood preparedness.
14. Publicize the Flood Concerns Customer Self-Reporting on City's 311 App and Webpage.
15. Require new developments to preserve natural drainage corridors.
16. Promote Green Infrastructure and Low Impact Development to mitigate flooding risks.
17. Complete major projects within the current 5-year Capital Improvement Program – Paradise Ridge Drainage Improvements; Drainage Improvements: 20th Street between Winchcomb Drive and 19th Way; Storm Drain Replacement Study; Laveen Flood Mitigation; and Hohokam Drainage Program.



EVALUATE ACTION ITEMS

Protect Critical Infrastructure and Facilities to Ensure Operation during and after Flood Events

18. Identify and map critical infrastructure and facilities within the City of Phoenix.
19. Evaluate flood risks for critical infrastructure and facilities.
20. Provide flood fight materials at/near critical infrastructure and facilities based on flood risk.
21. Annually update database of critical infrastructure and facilities.
22. Establish or Update Emergency Action Plans to address flood response scenarios for City-owned critical infrastructure and facilities.
23. Update Emergency Action Plans annually for the City's flood control dams.
24. Require elevation or floodproofing of any new or improvements to existing critical infrastructure or facilities.



EVALUATE ACTION ITEMS

Establish Proactive Maintenance and Preventative Measures for Stormwater Infrastructure

- 25. Documentation of maintenance occurring at problematic areas throughout the year. (ST. Maint.)
- 26. Establish requirements and reporting on City-owned drywell maintenance. (ST Maint)
- 26. Publicize City's 311 App and Webpage for reporting maintenance issues.
- 27. Publicize the City's maintenance procedures and work completed each year (social media post and/or water bill).
- 28. Evaluate current stormwater and floodplain requirements, guidelines, regulations, codes, and design manuals for updates.
- 29. Evaluate and update Building Codes on a routine basis (at least every 5 years).
- 30. Develop a publicly facing vegetation maintenance guide for private use for wash corridors, storm drain inlets and outlets, and stormwater storage basins.
- 31. Evaluate and document City-owned stormwater infrastructure for maintenance responsibilities.



EVALUATE ACTION ITEMS

Utilize Public Funding in the Most Effective Manner for Stormwater and Floodplain Management

- 33. Utilize General Obligation Bond funding to mitigate flooding risks.
- 34. Apply for grants through state and federal agencies to reduce the burden on the City for stormwater and floodplain management projects.
- 35. Continue partnership with the Flood Control District of Maricopa County and the Small Projects Assistance Program.
- 36. Evaluate the need and practicality of a stormwater utility fee to establish a dedicated funding resource for the City's stormwater and floodplain needs.
- 37. Evaluate the need to expand impact fees.



ACTION PLAN (EXAMPLE LAYOUT)

Ref #	Action Items	FMP Activity Categories						Priority	Responsible Party	Funding Source	Deadline
		Preventative	Property Protection	Natural Resource Protection	Emergency Services	Structural Projects	Public Information				
FMP Goal 1: Educate Public, Policy Makers, and City Leaders on Stormwater and Floodplain Management and Risks											

NEXT STEPS:

- Review of Draft FMP – Late May through June 2025
- Public Meeting (virtual) – May 22nd
- Neighborhood Presentations – Laveen (April 23)
- FMP Implementation, Evaluation, and Revision (Step 10)

Thank you for your time
and support!





Questions?

