

# 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 fan 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 beings 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)

← TODAY'S MEETING

- Step 9 Adopt a Plan
- Step 10 Implement, Evaluate, and Revise

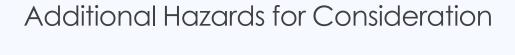




# FMP Mtg #1: Assess the Hazard

- 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







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

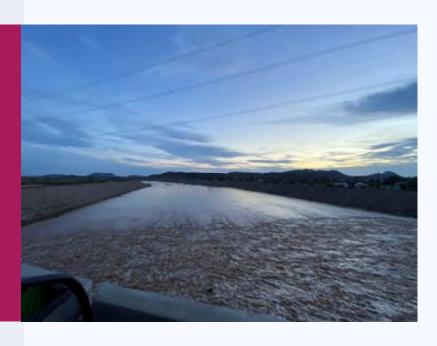




# FMP Mtg #2: Assess the Problem

- 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



#### 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.



#### 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.



#### 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.



#### 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.



#### **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.



#### **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)

		<b>FMP Activity Categories</b>					ries				
Ref#	Action Items	Preventative	Property Protection	Natural Resource Protection	Emergency Services	Structural Projects	Public Information	Priority	Responsible Party	Funding Source	Deadline
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?

