

**FY2025 Phoenix Floodplain Management Plan (ST83140150)****Committee Meeting #3****February 26, 2025, at 9:00 AM – 11:00 AM****MEETING MINUTES**

- 1. Safety moment**
- 2. Overview of FMP Mtg #2: Assess the Problem**
  - a. Discussion of Identified Hazards and Problems (see PowerPoint presentation for further details)
- 3. Overview of 2016 FMP Goals**
  - a. Status of 2016 Goals and Action Plan (see PowerPoint presentation for further details)
- 4. Break**
- 5. 2025 FMP Discussion – Set Goals (Step 6)**
  - a. Discussion of Potential Goals
    - i. Ali Samiedal:
      1. Education for the public, public outreach, exercises to mimic situation after incident.
      2. Education to policy makers and leaders and ongoing education for decision makers
      3. Coordination with other jurisdictions since water doesn't stay within Phoenix.
        - a. Improve quality of coordination
      4. Funding, securing dedicated funding or looking for opportunities.
      5. Identifying project and allocations, including asset management principles and analysis to identify projects.
    - ii. Nazar Nabaty:
      1. The City's asset management program will get existing data of stormwater infrastructure data, will evaluate the conditions, and identify where immediate action is needed. Over the last 5 years Phoenix had multiple sink holes 9 safety concerns. So, the other goal is to evaluate capacity and old stuff in downtown, where it's all over capacity.
    - iii. Andrew Hagglund:
      1. Prioritize vulnerable communities.
      2. Ensure flood mitigation is available.
      3. Dedicated funding
      4. Protect natural resources.
      5. Proactive maintenance
      6. Increase safety and awareness.
    - iv. Kathryn Gross:
      1. Expand city maintenance plan
      2. Expand funding for flood hazards and mitigation.
      3. Take advantage of additional funding
      4. Educate and provide assistance to HOA and property owners.
      5. Increase/maintain interjurisdictional cooperation.

6. Identify flood hazards within communities.
7. Responsible development and re-development on flood related hazards.
- v. Nicholas Ramirez:
  1. Improve public notification, news, bills, or codes, mail letters, door hangers.
  2. Protecting critical infrastructure, business and residents
  3. Protect economy by life and property.
  4. Make sure funding of small project assistance funding, grants, are being used as needed.
  5. Natural flood functions
  6. Provide knowledge to homeowners and planners of development.
  7. Have HOA for city and make sure things are being mitigated.
  8. Reviewing plans for how natural water flow is going.
  9. Understand max water storage before approval.
    - a. Need water mitigation plan for 100 year or whatever instead of just natural areas.
- vi. Nazar Nataby:
  1. We need to make sure the goals are achievable for the next 5 years and are within the budget planned.
- b. Finalize Goals

**6. Next Steps – 5 min**

- a. Virtual Public Meeting – May 22, 2025

**7. Adjourn****Next Meeting:****Committee Meeting #4 – Review Possible Actions****Wednesday, March 19, 2025****Phoenix City Hall - 200 W Washington Street, 85003****Committee Meeting #5 – Draft an Action Plan****Wednesday, April 9, 2025**



# City of Phoenix Floodplain Management Plan (FMP) 2025

## FMP Committee Meeting #3

February 26, 2025



# AGENDA

- Safety Moment
- Overview of Committee Meeting #2
- Refining Identified Hazards and Problems
- Overview of 2016 FMP Goals
- Discuss & Finalize 2025 FMP Goals
- Next Steps
  - Public outreach efforts



# SAFETY MOMENT

The increase in cellphone use presents many opportunities for distraction.

Distracted walking can lead to unintentional injuries from not paying attention to your surroundings, such as:

- Walking into fixed objects
- Being struck by moving vehicles
- Walking over an edge or into an open hole
- Tripping over an object
- Walking under a lifted load

Don't walk and text and try to use voice options when available.

Pause your conversation when crossing a street or entering a busy area.

Turn down the volume to avoid missing danger signs around you.

Discern which email or text can wait until you reach your destination.

Be courteous of others and don't text or call while they're driving or walking.



# INTRODUCTIONS

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## 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)** ← TODAY'S MEETING
- 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



# ASSESS THE HAZARD

- Worksheet from last meeting →

## General Hazard Categories

- Special Flood Hazard Areas
- Alluvial Fan
- Urban Flooding
- Dam and Levee Failure
- Other Non-Flood Related Hazards

| Number of flood hazards checked "YES" per watershed by each Group                                                              |                               |                                        |                                        |
|--------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----------------------------------------|----------------------------------------|
|                                                                                                                                | City Districts<br>1, 2, and 3 | City Districts<br>4, 5, and 6<br>North | City Districts<br>6 South, 7,<br>and 8 |
| Flood Hazards                                                                                                                  | Group 1                       | Group 2                                | Group 3                                |
| Local Flooding                                                                                                                 | Y                             | Y                                      | Y                                      |
| Transition from Mountains to Urban Landscape                                                                                   | Y                             | Y                                      | Y                                      |
| Developments on Fill in Floodplain Fringe                                                                                      | Y                             | N                                      | Y                                      |
| Age of Development                                                                                                             | Y                             | Y                                      | Y                                      |
| Under Capacity Stormwater Infrastructure                                                                                       | Y                             | Y                                      | Y                                      |
| Flood Irrigate Lots                                                                                                            | N                             | Y                                      | Y                                      |
| Canal Embankments                                                                                                              | Y                             | Y                                      | Y                                      |
| Un-delineated Floodplains                                                                                                      | Y                             | N                                      | Y                                      |
| Wash and Basin Vegetation Maintenance                                                                                          | Y                             | Y                                      | Y                                      |
| Infill Development                                                                                                             | Y                             | Y                                      | Y                                      |
| Climate Change                                                                                                                 | Y                             | Y                                      | Y                                      |
| Dams                                                                                                                           | Y                             | Y                                      | Y                                      |
| Levees                                                                                                                         | Y                             | Y                                      | Y                                      |
| <b>Additional</b>                                                                                                              |                               |                                        |                                        |
| Wildfires                                                                                                                      | Y                             | N                                      | Y                                      |
| Drought                                                                                                                        | Y                             | Y                                      | Y                                      |
| Critical Facilities – Protect airports, canals, hospitals,<br>utilities, water treatment, fire stations, and police<br>Funding | Y                             | Y                                      | Y                                      |



## 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





## 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



# DISCUSSION OF 2025 FMP GOALS

**Goals** are general statements concerning an aspect of the agency's desired ultimate physical, social and/or economic environment. Goals set the tone for development decisions in terms of the citizens' desired quality of life.

**Action Items** are the specific tasks or activities necessary to achieve the stated goals by assigning responsibility to a specific action.



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# OVERVIEW OF GOALS FROM 2023 ARIZONA HAZARD MITIGATION PLAN

**Overarching goal:** Increase resilience throughout the State of Arizona by reducing the vulnerability of people and property to natural and human- caused hazards.

## **Objectives:**

1. Increase state, tribal, and local government awareness regarding Arizona's hazards and risks.
2. Promote hazard mitigation throughout Arizona.
3. Ensure the well-being of Arizona's residents, businesses, and visitors by lessening the impact of hazards and empowering them to reduce vulnerability through increased public awareness.
4. Reduce the vulnerability of critical facilities and infrastructure to natural and human-caused hazards.
5. Identify and pursue funding sources for hazard mitigation projects.
6. Identify and reduce the number of repetitive loss and severe repetitive loss properties.
7. Identify and reduce vulnerabilities to and from high hazard potential dams and potential consequences associated with dam incidents.



# OVERVIEW OF 2016 FMP and 2009/2015/2021 MARICOPA COUNTY MULTI-JURISDICTIONAL HAZARD MITIGATION PLAN GOALS

**Goals:** Reduce or eliminate the risk to people and property from natural hazards.

**Goals:**

1. Reduce or eliminate risks that threaten life and property in the incorporated, unincorporated, and tribal jurisdictions within Maricopa County.
2. Reduce risk to critical facilities and infrastructure from natural hazards.
3. Promote hazard mitigation throughout the incorporated, unincorporated, and tribal jurisdictions within Maricopa County.
4. Increase public awareness of hazards and risk that threaten the incorporated, unincorporated, and tribal jurisdictions within Maricopa County.



## OVERVIEW OF 2020 MARICOPA COUNTY FMP GOALS

**Overarching goal:** [Reduce or eliminate the risk to people and property from natural hazards.](#)

### **Objectives:**

1. Transportation and Low Water Crossing Mitigation.
2. Funding Evaluation of Process and Dedicated Resources
3. Education and Technical Resources
4. Managed Open Space
5. Regional Leadership



# OVERVIEW OF 2020 MARICOPA COUNTY FMP GOALS

**Overarching goal:** Reduce or eliminate the risk to people and property from natural hazards.

## **Objectives:**

### **1. Transportation and Low Water Crossing Mitigation.**

- a) The District will work with transportation agencies and the communities to address public concerns on transportation routes that result in interruptions to normal operating conditions, delays of emergency services, negatively impact the economy, and pose safety risks due to flooding.

### **2. Funding Evaluation of Process and Dedicated Resources**

- a) The District shall work in partnership with stakeholders to evaluate its various programs, fiscal opportunities, and funding processes to assure funds continue to be invested back into the communities.

### **3. Education and Technical Resources**

- a) The District shall work with stakeholders and local organizations on consistent county-wide technical and educational materials for flood preparedness with materials available in physical locations as well as electronically.

### **4. Managed Open Space**

- a) The District shall continue pursuing nature based solutions for flood mitigation, working with stakeholders, to identify and acquire open space in conjunction with flood control projects.

### **5. Regional Leadership**

- a) The Flood Control District of Maricopa County shall continue to perform duties as the regional leader in floodplain management. District shall provide and communicate information, guidelines, and regulations to agencies and communities throughout Maricopa County and to adjacent Counties.



## OVERVIEW OF 2025 PIMA COUNTY FMP GOALS

1. Identify, protect, and preserve watercourses and the natural floodplain function and riparian habitat associated with them, and restore and enhance them where they have been degraded.
2. Protect, preserve and enhance water resources.
3. Ensure that those who occupy areas within regulatory floodplain and erosion hazard areas are aware of the consequences of their actions within those areas.
4. Reduce the need for rescue and relief efforts.
5. Ensure the most effective expenditures of public money for flood control projects.



## OVERVIEW OF 2025 PIMA COUNTY FMP GOALS (continued)

6. Prevent flood and erosion damages including ensuring the operability of critical facilities during flood events.
7. Ensure flexibility for adaptive floodplain management for changing climate circumstances.
8. Increase regional cooperation and offer interjurisdictional floodplain management services.
9. Increase beneficial use of stormwater including regional recharge and urban green spaces.
10. Ensure equitable access to flood mitigation services.
11. Prioritize neighborhood scale beneficial use of stormwater projects in vulnerable and underserved areas.



TAKE A BREAK! – 10 MINUTES



# DISCUSSION: 2025 FMP GOALS

These goals must address all flood-related problems identified in Committee Meeting #2.

## Impacts Hazards on the following:

- Life Safety
- Public Health
- Critical Facilities and Infrastructure
- Economy
- Natural Floodplain Functions
- Development, Redevelopment, and Population Trends
- Future Flooding Conditions

## Hazards Identified:

- 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



## GOALS REPORT OUT

## NEXT STEPS:

- Public Meeting – Virtual
- Additional Coordination – Emails to be sent out next week to schedule
- **Next Meeting – Review Possible Actions**
  - Wednesday, March 19, 2025
  - Phoenix City Hall - 200 W Washington Street, 85003





# Questions?

Next FMP Committee Meeting | March 19, 2025 | 9am City of Phoenix City Hall

