



City of Phoenix Floodplain Management Plan (FMP) 2025

FMP Committee Meeting #1

January 15, 2025



AGENDA

- Safety Moment
- Introductions
- City Engineer Welcome
- Overview of National Flood Insurance Program (NFIP)
- Overview of CRS Activity 510 – Floodplain Management Plan
- Overview of current FMP – 2016
- Where We Want to Be – FMP 2025
- Next Steps



SAFETY MOMENT – PSYCHOLOGICAL SAFETY

A BELIEF THAT IT IS SAFE TO TAKE INTERPERSONAL RISKS: THAT ONE WILL NOT BE PUNISHED OR HUMILIATED FOR SPEAKING UP WITH IDEAS, QUESTIONS, CONCERNS, OR MISTAKES.

- ANYONE CAN ASK QUESTIONS WITHOUT LOOKING STUPID.
- ANYONE CAN ASK FOR FEEDBACK WITHOUT LOOKING INCOMPETENT.
- ANYONE CAN BE RESPECTFULLY CRITICAL WITHOUT APPEARING NEGATIVE.
- ANYONE CAN SUGGEST INNOVATIVE IDEAS WITHOUT BEING PERCEIVED AS DISRUPTIVE.



INTRODUCTIONS



- NAME
- ORGANIZATION
- ROLE WITH FLOOD PLANNING, MITIGATION, AND/OR EMERGENCY MANAGEMENT



CITY ENGINEER WELCOME STATEMENT



NATIONAL FLOOD INSURANCE PROGRAM

- Mapping
- Flood Insurance
- Regulations
- Community Rating System (CRS)



COMMUNITY RATING SYSTEM (CRS)

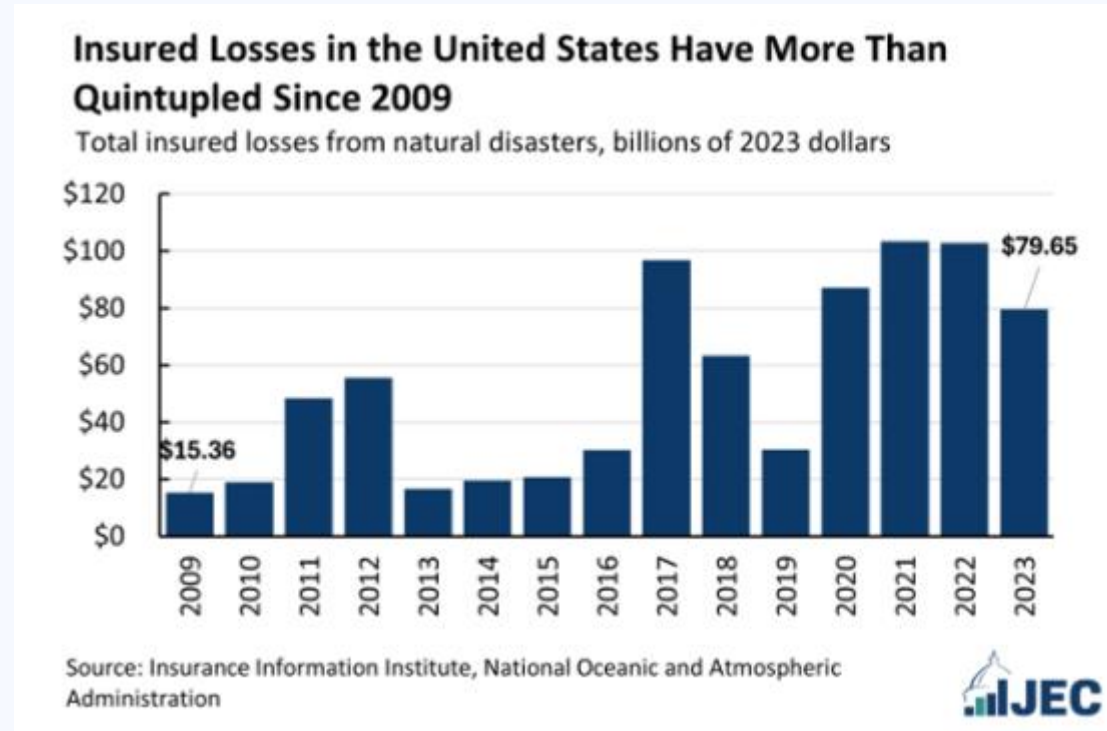
- Voluntary Incentive Program
- Above and beyond the NFIP minimum requirements
- Incentives for flood insurance premiums
 - Phoenix - Class 5 Community
 - Phoenix - Goal for Class 4



CRS Classes and Discount Table

CRS Class	10	9	8	7	6	5	4	3	2	1
CRS Discount (Premium Reduction)	0%	5%	10%	15%	20%	25%	30%	35%	40%	45%





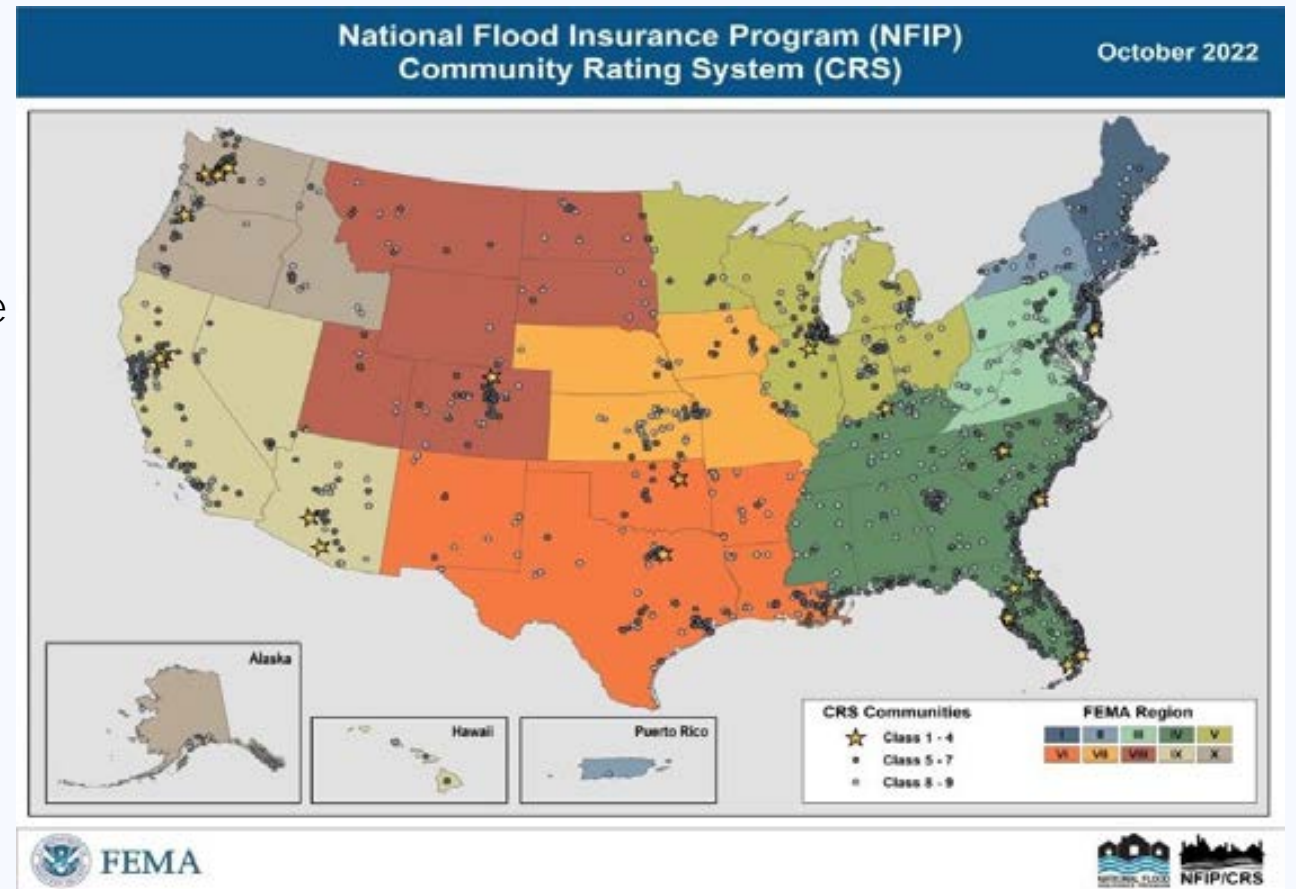
2020 Annual Average Home Insurance Premium	2024 Annual Average Home Insurance Premium	Change in Average Home Insurance Premiums from 2020 to 2024
\$1,255	\$1,554	+\$299 (+24%)



CRS PROGRAM PARTICIPATION

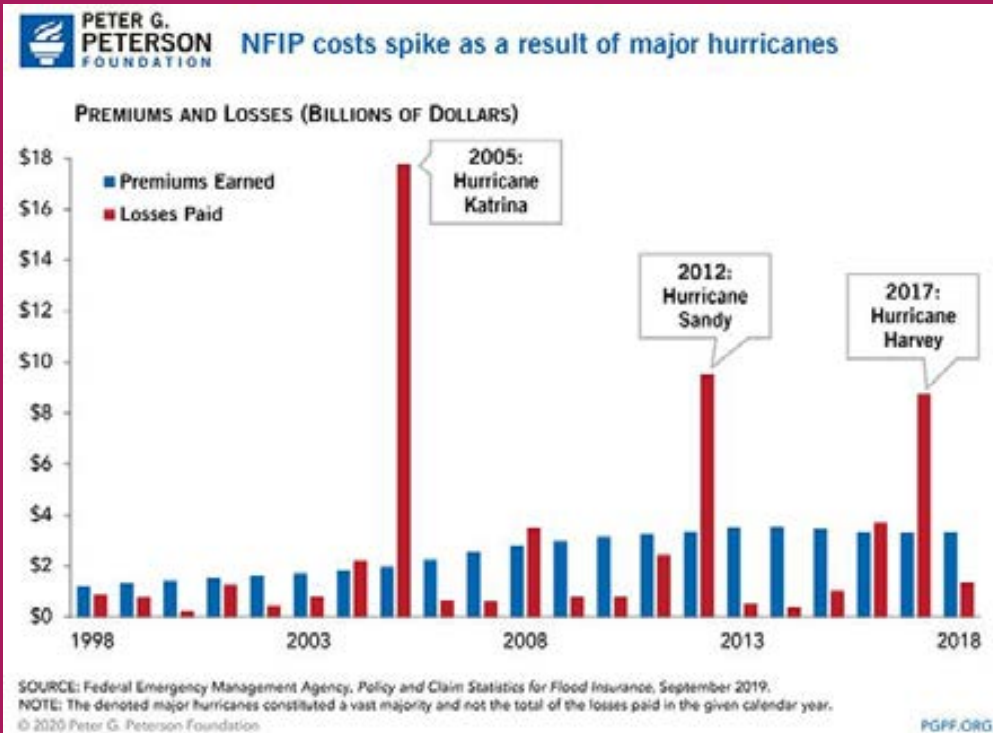
- 1,500+ Communities in CRS
- 22,000+ Communities in NFIP
- ~8% of NFIP participates in CRS
- More than 70% of all flood insurance policies are written in CRS Communities

Data as of October 2020



CRS BACKGROUND

- NFIP Supported Program
- Goals
 - Reduce & Avoid Flood Damage to Insurable Properties
 - Strengthen & Support the Insurance Aspects of the NFIP
 - Foster Comprehensive Floodplain Management
- 4 Series → 19 Activities → 90+ Elements
 - Public Information Activities (300 Series)
 - Mapping & Regulations (400 Series)
 - Flood Damage Reduction Activities (500 Series)
 - Warning & Response (600 Series)



300 Series: Public Information Activities

310 – Elevation
Certificates

320 – Map Information
Service

330 – Outreach
Projects

340 – Hazard Disclosure

350 – Flood Protection
Information

360 – Flood Protection
Assistance

370 – Flood Insurance
Promotion

400 Series: Mapping and Regulations

410 – Floodplain
Mapping

420 – Open Space
Preservation

430 – Higher Regulatory
Standards

440 – Flood Data
Maintenance

450 – Stormwater
Management

500 Series: Flood Damage Reduction

510 – Floodplain
Management Planning

520 – Acquisition and
Relocation

530 – Flood Protection

540 – Drainage System
Maintenance

600 Series: Warning and Response

610 – Flood Warning
and Response

620 – Levees

630 – Dams





Overview of CRS Activity 510 – Floodplain Management plan

- CRS Class 4 Prerequisites
- FMP Committee Participant Roles
- Review of FMP Committee Timeline
 - 5 Committee Meetings
 - At least one representative from each participating organization must be present at each of the 5 Committee Meetings



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





Current Phoenix FMP (2016)

1. Hazards Identified
2. Status of 2016 Goals & Plans
3. Lessons Learned



2016 HAZARDS IDENTIFIED

- Historic and Repetitive Flooding Areas
- Dam Failure
- Levee Failure
- Flooding
- Future Development Trends
- Earth Fissures
- Land Subsidence
- Other Hazards
 - Drought
 - Extreme Heat
 - Severe Wind
 - Wildfire



Goals and Action Items

1. Reduce Risks that Threaten Life and Property
 2. Protect Critical Infrastructure
 3. Promote Hazard Mitigation
 4. Increase Public Awareness of Hazards
- Administrative Action Items – 3 Total
 - Program Action Items – 9 Total
 - Public Information Action Items – 6 Total

	Action Item	Goal 1: Reduce risks that threaten life and property	Goal 2: Protect critical infrastructure	Goal 3: Promote Hazard Mitigation	Goal 4: Increase Public Awareness of Hazards	Chapter - Recommendation	Deadline
Administrative Actions							
1.0	Plan Adoption	X	X	X	X	Section 3.9	Oct-16
2.0	Monitoring and Reporting	X	X	X	X	Section 3.10	October - annually
3.0	Community Rating System	X	X	X	X	Section 1.2 & 3.10	CRS Recertification Visit
Program Action Items							
4.0	Dam Improvements	X	X	X		Section 3.4 (1b)	Continuous Activity
5.0	Levee Improvements	X	X	X		Section 3.4 (1a)	Continuous Activity
6.0	Drainage system maintenance	X	X			Section 3.4 (4a)	Continuous Activity
7.0	Drainage system improvements	X	X	X		Section 3.4 (4a)	Oct-16
8.0	Property protection funding	X	X	X		Section 3.4 (4a)	Oct-16
9.0	Regulatory review	X	X	X		Section 3.5e & 3.7	CRS Recertification Visit
10.0	NFIP administration	X	X			Section 3.7a	After CAC
11.0	Certified Floodplain Managers	X	X	X	X	Section 3.7a	Oct-16
12.0	Flood response plan	X	X	X	X	Section 3	Continuous Activity
Public Information Action Items							
13.0	Newspaper notifications	X		X	X	Section 3.7 (g)	Continuous Activity
14.0	City Notes articles	X		X	X	Section 3.7 (g)	Continuous Activity
15.0	City Website	X		X	X	Section 3.7 (g)	Oct-16
16.0	Technical References	X	X	X	X	Section 3.7 (b)	CRS Recertification Visit
17.0	Public information projects	X		X	X	Section 3.7 (c & g)	Continuous Activity
18.0	Public information messages	X		X	X	Section 3.7 (g)	Continuous Activity



LESSONS LEARNED

1. Need for FMP Committee
 - a) Increased information on hazards and problems
 - b) Community-centered goals and action items
2. Additional Involvement with Public
 - a) Webpage to allow for following FMP progress
 - b) Public Survey to gather additional information
 - c) Public Meetings
3. Additional Involvement with Stakeholders
 - a) Separate, short interviews to gather more feedback outside FMP Committee meetings
4. Annual Tracking and Updates with Committee



Figure 11 – FEMA FIS FIGURE 1 FEMA - Figure 1. Looking downstream on the Salt River During the December 1965 flood (Sky Harbor International Airport runways are in the center.)



ASSESS THE HAZARD

BREAK OUT – 30 MINUTES

Group 1

City Council Districts
1, 2, and 3

Group 2

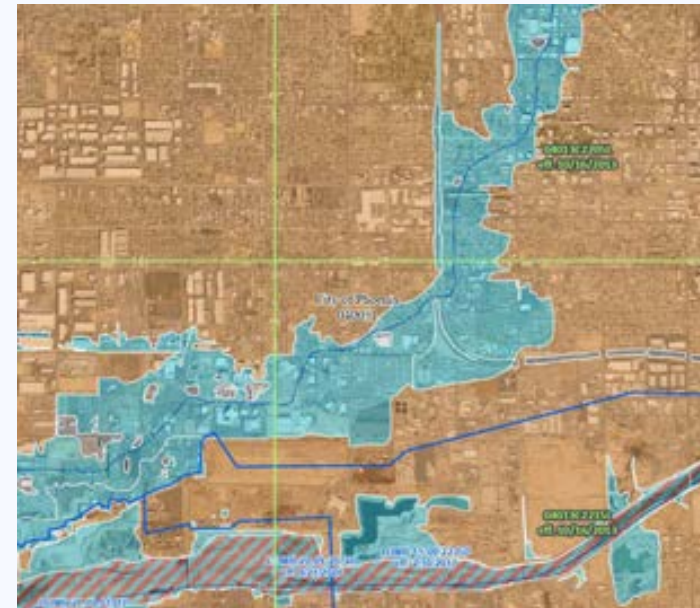
City Council Districts
4, 5, and 6 North

Group 1

City Council Districts
6 South, 7, and 8

Describe local flood hazard.

- a) How often it floods
- b) Locations of areas that flood
- c) Source or cause of flooding



ASSESS THE HAZARD

REPORT BACK



ASSESS THE HAZARD

REPORT BACK

GROUP 1
CITY COUNCIL DISTRICTS
1, 2, AND 3



ASSESS THE HAZARD

REPORT BACK

GROUP 2
CITY COUNCIL DISTRICTS
4, 5, AND 6 NORTH



ASSESS THE HAZARD

REPORT BACK

GROUP 3
CITY COUNCIL DISTRICTS
6 SOUTH, 7, AND 8



WHERE WE WANT TO BE FOR 2025 FMP

- Update and identify hazards in Phoenix
- Understand the problems associated with the hazards
- Establish new goals and actionable timelines
- Evaluate potential actions and known challenges for new goals
- Prepare a five-year action plan with progress tracking metrics
- Adopt and Implement the plan
- Frequent monitoring of progress toward goals



NEXT STEPS:

- Collect and incorporate hazard and mitigation data
- Ongoing coordination with FMP Committee
- Conduct Public and Stakeholder Involvement – Specific Audiences
- Responsibilities of participants
 - Committee Members
 - City Representatives
 - Consultant Team





Questions?

Next FMP Committee Meeting | February 5, 2025 | 9am City of Phoenix City Hall

