# What's New in Mitigation Planning

Amanda Sharma, Shubha Shrivastava

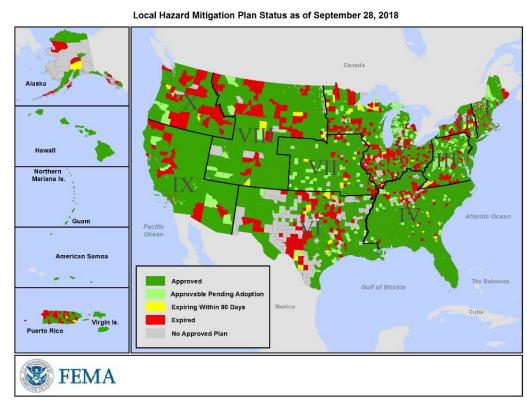


#### **FEMA's Moonshots**



#### **Mitigation Planning**

- Starts the conversation about mitigation pre-disaster with the whole community, continues it post-disaster
- Mitigation Saves 2.0 report stated that on average, for every \$1 invested in mitigation now, saves \$6 later on
- How can mitigation plans be more effective:
  - Implementation guiding mitigation investments
  - Planning integration influencing community decisions



Public domain <a href="https://www.fema.gov/hazard-mitigation-planning">https://www.fema.gov/hazard-mitigation-planning</a>



#### **Relationship with Community Decisions**



As stated by FEMA Administrator Brock Long, "[m]uch of what happens in a disaster is predetermined by years of decisions that preceded the storm or earthquake: decisions about what to build, where to build it, and how to maintain it."

"It's (Mostly) Not FEMA's Fault," David A. Graham, *The Atlantic*, June 26, 2018.

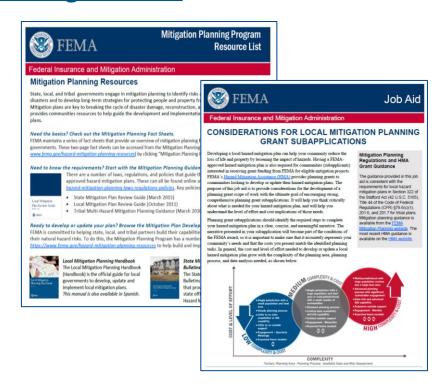


# Resources



#### Mitigation Planning Resources

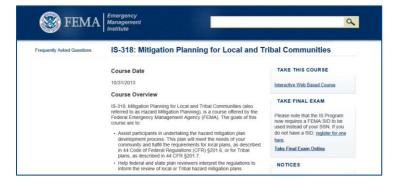
- Website Guides, Fact sheets et al
   <a href="https://www.fema.gov/hazard-mitigation-planning-resources">https://www.fema.gov/hazard-mitigation-planning-resources</a>
- FEMA Regions
- States
  - State Hazard Mitigation officer
  - State Floodplain Coordinator
  - https://planningforhazards.com





#### **Training is Available**

- Plan Development Courses and Workshops
  - Local Online and in-person
  - State Upcoming
  - Tribal In-person workshop
- Planning Information Exchange (PIE) Webinars
- FEMA Regions conduct
   Webinars (Coffee Breaks)









#### How to Integrate Mitigation Planning – Bake It In

- Zoning codes and enforcement
- Building code updates
- Natural systems protection
- Regularly updating mitigation action status
- Involve stakeholders from across the board
- Education and outreach
- Building and infrastructure projects
- Insurance flood, wind, earthquake, etc.



#### Survey of State Land-Use and Natural Hazards Planning Laws

In coordination with FEMA, American Planning Association has surveyed legislation from all 50 states for laws that are intended to require, promote, or encourage local mitigation of natural hazards.

https://www.planning.org/nationalcenters/hazards/statesurvey/



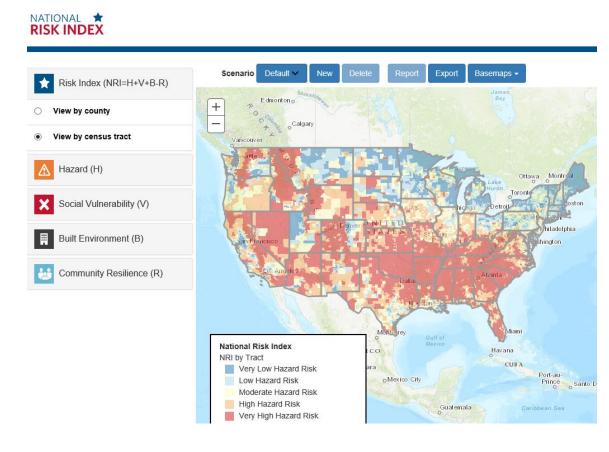
#### National Risk Index – Coming Soon

#### Overview



#### Potential Impacts:

- Enhance mitigation plans
- Inform long-term community recovery
- Enhance development codes and standards
- Encourage community-level risk communication



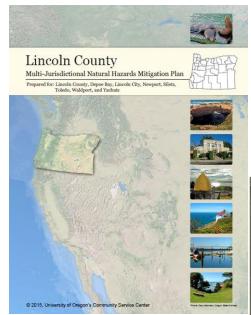


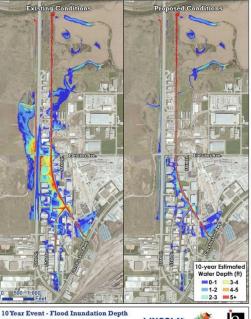
# Highlighting Success



## Hazard Mitigation Plan Implementation in Lincoln, NE

- Flooding isn't just a coastal challenge
- Risk assessment for the County and State identified this project three times
- Incorporated information throughout plans (Stormwater plans)
- Phased the project out
- Identified numerous sources of funding
  - FEMA funding
  - Stormwater bonds
- Continuous public input
- Real long-term impacts









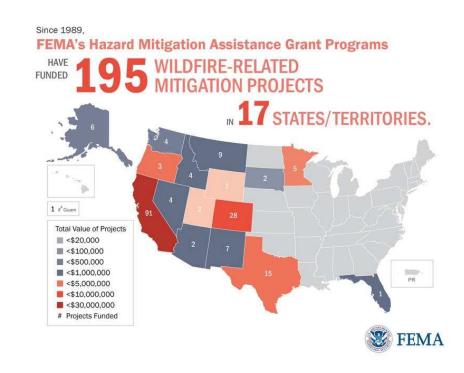






# Integration of Mitigation Plans and Community Wildfire Protection Plans

- Several counties in numerous states integrate Hazard Mitigation Plans and Community Wildfire Protection Plans
  - Montana, Wyoming, Utah, Colorado, New Hampshire, Georgia, Kansas, Vermont, Massachusetts
  - Leverage grants: HMGP and PDM
- Wildfire zoning elements
  - Limiting development
  - Setbacks
  - Zoning special use permits and overlays





#### **Historic Preservation and Mitigation Planning**

- Maryland Historical Trust
- Disaster Planning for Historic Properties Initiative in Pennsylvania
  - Pennsylvania Historical
     Museum Commission received
     \$1.5 million for updating
     county hazard mitigation plans
     to include historic property
     considerations

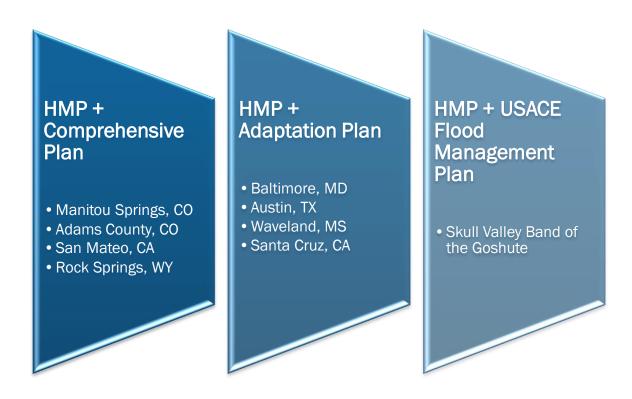


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b/Panama and 25th Philly.JPG



#### **Takeaway**

- Various Resources
- Integrate and Implement
- Learn from others who've already done it!





# Integration with Floodplain Management





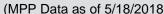
#### Mitigation Planning and the NFIP

	NFIP Participating Communities			NFIP Non-Participating Communities		
	Communities			Communities		
	w/o	Communities		w/o	Communities	
	Mitigation	w/ Mitigation	Community	Mitigation	w/ Mitigation	Community
Region	Planning	Planning*	Total	Planning	Planning*	Total
Grand Total:	1,414	20,904	22,318	245	1,844	2,089

(Data used from the MPP as of 5/18/2018 and CIS as of 5/21/2018)

- Over **31,000** jurisdictions and special districts currently have an Approved or Approved Pending Adoption (APA) mitigation plan or have participated in a mitigation plan in the past
  - Approximately 4,500 (14%) are special districts
  - More than **50**% of jurisdictions are cities and towns.
  - Total of 346 American Indian and Alaska Native tribes and villages

Jurisdiction Type	% of Total
Alaska Native Village	0.17%
City	31.40%
Consolidated Government	0.06%
County	8.17%
County Subdivision	0.01%
District	0.32%
Incorporated City	4.01%
Municipality	0.11%
Municipio	0.29%
Organized Borough	4.47%
Parish	0.24%
State/District/Territory	0.20%
Town	23.68%
Township	11.45%
Tribal	1.10%
Unincorporated	2.86%
Unorganized Territories	0.18%
Village	11.28%
Grand Total:	100.00%
(MPP Data as of 5/18/2018)	

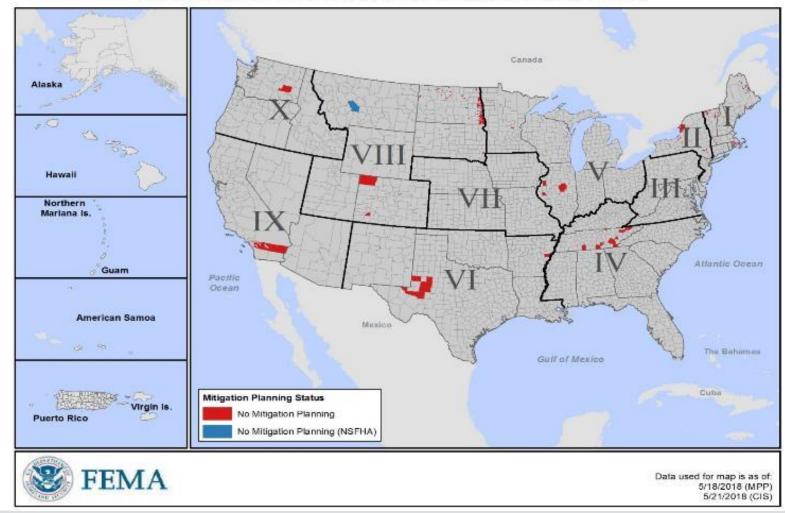




<sup>\*</sup>Count of communities with mitigation planning include all plan statuses and historical plans

## Mitigation Planning and the NFIP

#### NFIP Participating Communities that do not Participate in Mitigation Planning

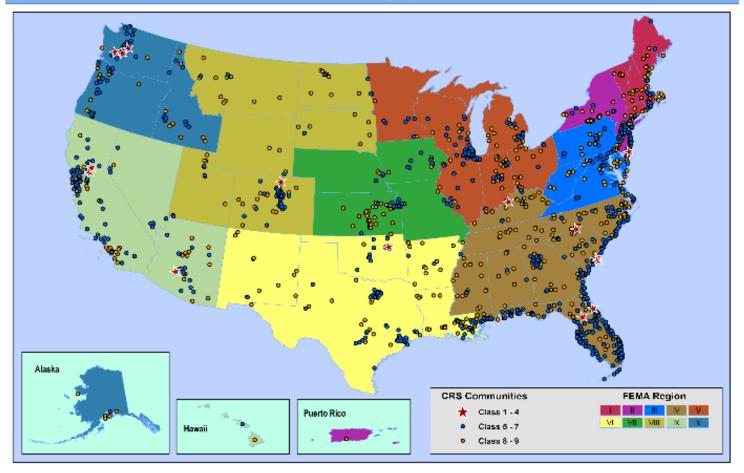




## The NFIP and the Community Rating System

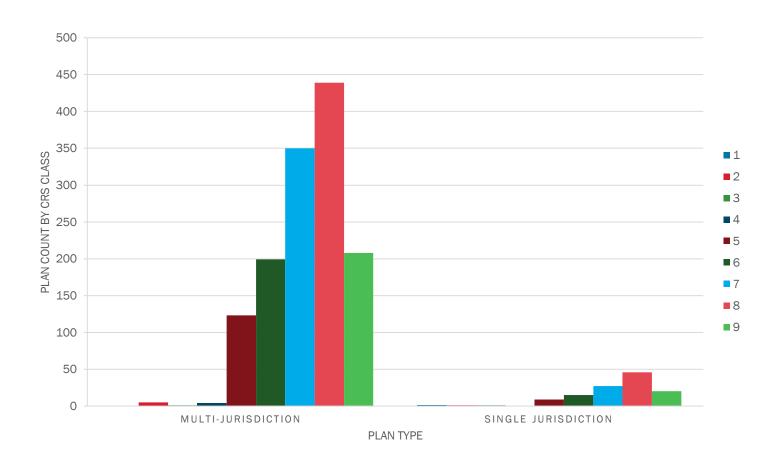
National Flood Insurance Program (NFIP) Community Rating System (CRS)

May 2018





## **Jurisdiction by Plan Type and CRS Class**

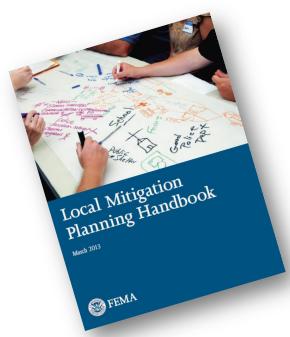


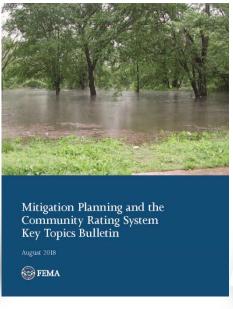


### **Local Mitigation Planning and the CRS**

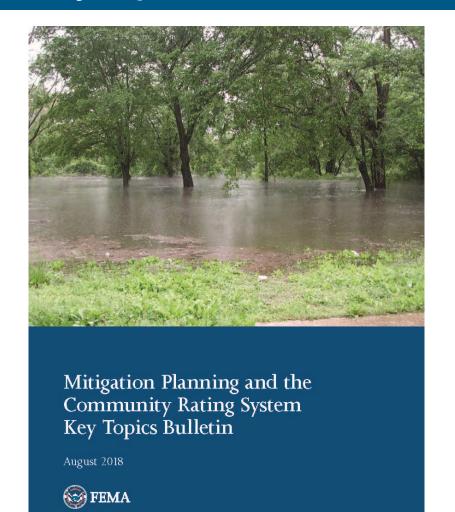
Two Programs
Same Objectives

Different Rules
One Plan can do it all!









## WHO SHOULD USE THIS BULLETIN?

This bulletin is designed for the people who prepare local mitigation plans and who want to improve the flood mitigation components of their plans and help reduce the cost of flood insurance in the CRS communities covered by their plans.

This bulletin <u>assumes the reader</u> is familiar with FEMA guidance for mitigation planning.





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**CRS Planning Criteria** 

Incorporating CRS Credits in Mitigation Planning

Element A. Planning Process

Element B. Hazard Identification and Risk Assessment

Element C. Mitigation Strategy

Element D. Plan Review, Evaluation, and Implementation

Element E. Plan Adoption

App. 1. References and Resources

App. 2. 510 Floodplain Management Planning Checklist





#### **CRS Planning Criteria**

The CRS 10-step Planning Process

Repetitive Loss Properties

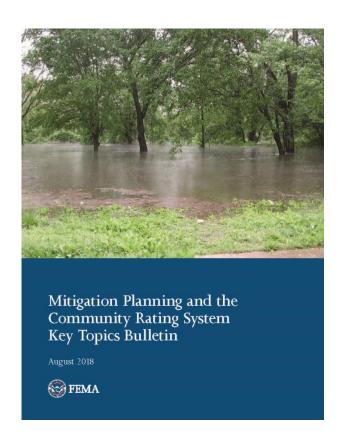
Activity 510 (Floodplain Management Planning) Scoring

CRS Class 4 Prerequisite

Plan Maintenance

Multi-jurisdictional Planning





#### Why you don't score well

- 5. Didn't follow the process
- 4. Missed a step
- 3. Multi-jurisdictional plan
- 2. Didn't involve the public
- 1. Didn't follow the process



#### Top 5 Reasons You Don't Score Well

#### Reason #1 Didn't follow the process

Remember – the credit is for the planning process. The CRS steps are specific and need to be met. Once the process starts, it may be too late to change it.

Read the bulletin before starting



## Thank You!

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