

# USACE National Flood Risk Management Program

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# Summary

- Purpose: Share some high level concepts and collect feedback
- Risk/Resilience Matrix
- Notional Vision, Mission, Principles for the National Flood Risk Management Program
- Collect some feedback
- Engage in Discussion



# Risk and Resilience Some Solution Sets

<i>Flood Risk and Resilience Solution Sets</i>		<b>Flood Risk</b>		<b>When</b>
		Probability	Consequences	
<b>Flood Resilience</b>	Prepare	Lower the probability of losing essential functions by planning for operations in a damaged state (CONTINUITY OF OPERATIONS PLANNING)	Lower downtime by having a process to restore services should they be disrupted (REDUNDANCY).	Before Disaster
	Absorb	Traditional Solution Set - Keep water away from things of value (FLOOD DAMAGE REDUCTION INFRASTRUCTURE)	Find ways to keep things of value from being damaged when flood waters arrive (BLDG CODES, ELEVATION, ZONING, MUTUAL AID AGREEMENTS)	Before, During, After Disaster
	Adapt	Plan to adapt while contemplating the unusual (CONTINGENCY PLANNING)	Be ready to come back from a flood in a way that lowers the consequence side of your risk profile going into the future (BOUNCE FORWARD).	
	Recover	Decrease probability of flooding in future by repairing flood risk reduction infrastructure differently when a disaster is realized (RECOVERY PLANNING)	Find ways to restore things of value more quickly and predictably assuming they will get damaged (INSURANCE).	After Disaster



# Notional Vision

**Our economy, our society, and our natural landscapes are well positioned to withstand, recover, and adapt to ever changing flood risks**

- ▶ Triple bottom line elements
- ▶ Resiliency concepts
- ▶ Uncertainty and temporal change
- ▶ Risk not hazard



# Vision Concepts



## Triple Bottom Line



# Notional Mission

**Increase capabilities across all aspects of USACE to improve decisions made internally and externally that affect the nation's flood risk**

- ▶ Improve capabilities across business lines (integration)
- ▶ Improve how we make tough choices (what informs them)
- ▶ Affect (indirect and direct) flood risk nationally



# Mission Concepts

## Improved Cross-Business Line Capabilities



## More Informed Internal Decisions



## Helping Inform External Decisions



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# Notional Principles

1. Accept that absolute protection is not possible and plan for accidents.
2. Promote some flooding as desirable.
3. Base decisions on an understanding of risk and uncertainty.
4. Recognize that the future will be different from the past.
5. Implement a portfolio of responses, and do not rely on a single measure.
6. Utilize limited resources efficiently and fairly to reduce risk.
7. Be clear on responsibilities for governance and action.
8. Communicate risk and uncertainty effectively and widely.
9. Reflect the local context and integrate flood planning with other planning processes.



# Discussion

## *Vision:*

**Our economy, our society, and our natural landscapes are well positioned to withstand, recover, and adapt to ever changing flood risks**

## *Mission:*

**Increase capabilities across all aspects of USACE to improve decisions made internally and externally that affect the nation's flood risk**

## *Principles*

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