



# Tangipahoa Parish Hazard Mitigation Plan Update Mitigation Steering Committee Kick-off Meeting

September 9, 2014

Hammond, LA



# Introductions

- Officials
- Mitigation Steering Committee members
- SDMI team members
- GOHSEP hazard mitigation team



# SDMI Information

Stephenson Disaster Management Institute at Louisiana State University

Mission: To save the lives of people and animals by continuously improving disaster management through leadership in applied research and executive education.



# The Hazard Mitigation Plan: What is in it for us?



# Hazard Mitigation

- Protect public safety and prevent loss of life and injury;
- Help accomplish community objectives, such as leveraging capital improvements, infrastructure protection, open space preservation, and economic resiliency;
- Prevent damage to a community's economic, cultural and environmental assets;
- Minimize operational downtime and accelerate recovery of government and the private sector after an event;
- Meet requirements of Title 44 Code of Regulations (CFR) §201.6 for approval and eligibility to apply for FEMA Hazard Mitigation Assistance grant programs.



# Hazard Mitigation Planning Process



# Hazard Mitigation Plan Update Requirements

- The plan must be updated every five (5) years;
- Re-assess hazard identification and risk assessment
  - Consider any changes since the last plan update, and address events that have occurred since the last plan;
- Incorporate local planning efforts;
- Report mitigation strategy (projects) progress and discuss adjustments;
- Address any weaknesses identified in the previous plan review.





# The Planning Team: A Multi-jurisdictional approach

- Each jurisdiction will have at least one representative on the planning team.
- This representative will need to report back to their community on a regular basis, as well as gather feedback and input into the plan.
- Utilize a council resolution or memorandum of understanding (MOU) to gain official recognition for the planning team.





# Federal Requirements

- Disaster Mitigation Act of 2000 (DMA 2000)
  - Section 322 of the Act specifically addresses mitigation planning and requires state and local governments to prepare multi-hazard migration plans as a precondition for receiving FEMA mitigation project grants.
- Title 44 Code of Federal Regulations (CFR) §201.6 for FEMA approval and eligibility to apply for FEMA Hazard Mitigation Assistance



# Expectations

## Jurisdiction

- Each jurisdiction **MUST** show active participation in the planning process;
- Each jurisdiction **MUST** complete the mitigation action implementation worksheets;
- A local jurisdiction **MUST** review and revise its plan to reflect progress in local mitigation efforts;
- Each jurisdiction **MUST** adopt the final plan.



# Expectations

## Planning Team Member

- Planning team members **MUST** attend meeting(s);
- Planning team members review plan drafts;
- Planning team members **MUST** assist with public involvement and plan adoptions.



# Expectations

## SDMI (Contractor)

- SDMI **WILL** facilitate the process;
- SDMI **WILL** lend technical expertise;
- SDMI **WILL** draft the revised plan for GOHSEP and FEMA review;
- SDMI **WILL** make plan revisions as required by GOHSEP and FEMA in preparation for submission to FEMA for plan approval.



# Timeline\*

Activity	Details	When
Kick-off meeting		Today
Jurisdictional Meetings	Jurisdictions should hold 2-5 internal meetings to assess previous goals and actions, evaluate progress in implementing the action plan, and adjust actions as necessary while refining the mitigation strategy.	Sep 9 – September 29 <sup>th</sup>
Jurisdiction-specific worksheets	Jurisdictions work to complete needed information for plan update.	Due by October 1st
Public meeting	The general public and community stakeholders are invited to participate in the planning process. The public will be invited to participate in an online mitigation survey. Process helps to identify possible mitigation strategies.	October (6 <sup>th</sup> -10 <sup>th</sup> )
Plan development	SDMI will work to incorporate updates into existing plan.	October - November
Public plan review	The plan will be available to the public for review and comment for a two-week period.	November (3-14)
Plan review-GOHSEP	GOHSEP reviews and provides input for revisions. SDMI with jurisdictions will make edits.	Nov – Dec (21 <sup>st</sup> – 5 <sup>th</sup> )
Plan review-FEMA	FEMA reviews and provides input for revisions. SDMI with jurisdictions will make edits.	December - January
Jurisdiction adoption of plan	Each jurisdiction will adopt the plan.	January - February
FEMA plan approval	The plan with attached adoptions will be submitted to FEMA for approval.	By March 25, 2015

# Outreach Strategy



# Community Capabilities

**Primary types of capabilities for reducing long-term vulnerability through mitigation planning are:**

- Planning and regulatory
- Administrative and technical
- Financial
- Educational and outreach





# Risk Assessment

STEP 1

- Describe hazards

STEP 2

- Identify community assets

STEP 3

- Analyze risk

STEP 4

- Summarize vulnerability

# Previous Occurrences

September 1, 2009 – present

Number of County/Zone areas affected:	3
Number of Days with Event:	32
Number of Days with Event and Death:	1
Number of Days with Event and Death or Injury:	1
Number of Days with Event and Property Damage:	17
Number of Days with Event and Crop Damage:	0
Number of Event Types reported:	12



\*\*<http://www.ncdc.noaa.gov/stormevents/>

# Risk Assessment: Hazard Identification

Type	Occurrence
Hurricane	5
Flooding	8
Thunderstorm, High wind	16
Tornadoes	1
Winter Storm	3
Expansive Soils	0

Type	Occurrence
Wildfire	0
Drought	0
Hail	13
Extreme Heat	0
Saltwater Intrusion	0
Land Subsidence	0

# Risk Assessment- Community Assets

- ***People***

- Population concentration
- Special needs (functional needs) and demographics
- Project population growth

- ***Economy***

- Major employers
- Dependencies between economic sectors and infrastructure

- ***Built Environment***

- Building types and age
- Infrastructure and critical facilities
- Future development
- Historic and cultural significance

- ***Natural Environment***

- Areas that protect and mitigate hazards
- Critical habitat and important environmental features

# Mitigation Strategy



# Mitigation Strategy

- The plan should be updated with the status current mitigation strategies
- Progress on the mitigation action items will be monitored and evaluated by the Tangipahoa Parish Planner. The Lead Manager for each action item will complete an annual Progress Report and submit them to the Tangipahoa Parish Planner for review.
- The coordinating committee should identify any new strategies for their jurisdictions and work together to prioritize the updated list.



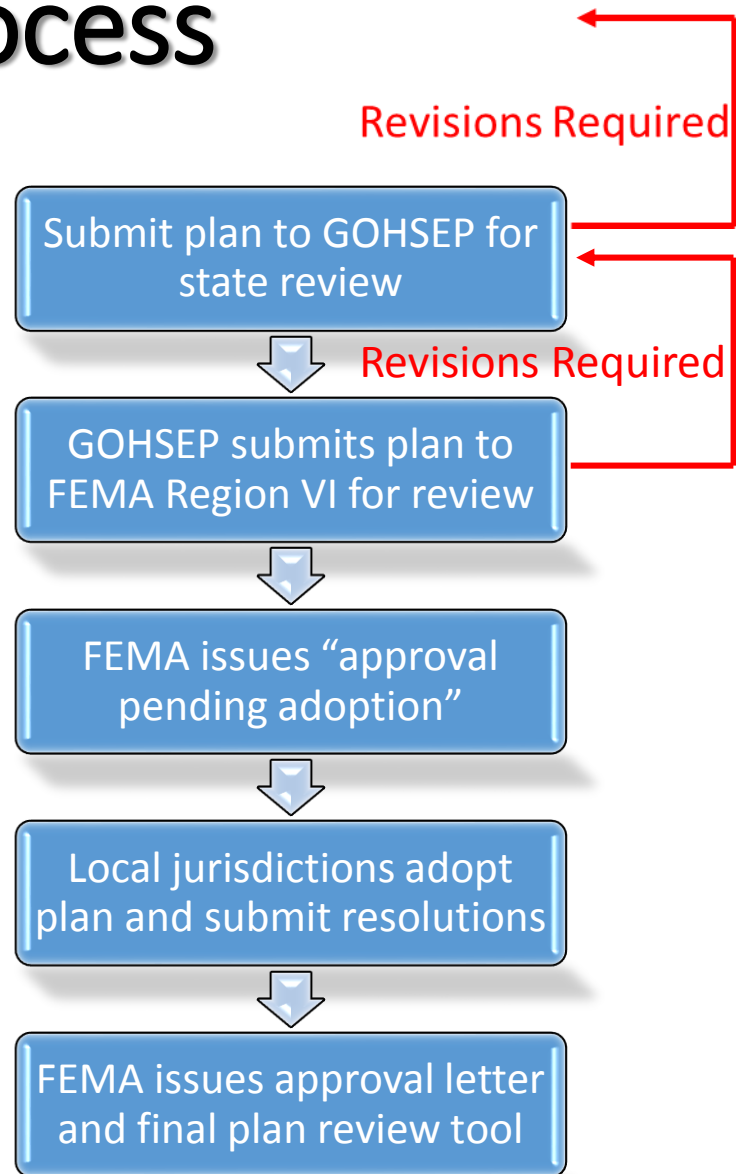
# Previous Goals

- 1) Identify and pursue preventive measures that will reduce future damages from hazards.
- 2) Pursue elevation/ acquisition/ flood proofing projects and structural solutions to flooding (acquisitions, elevations, and flood proofing).
- 3) Regulate sound development in the Town to reduce or eliminate the potential impact of hazards.





# Plan Approval Process



# Adopt the Plan

Each jurisdiction **MUST** adopt the final plan.

- As a planning team member be aware of the policies for your jurisdiction
  - Know the process for putting this plan on the docket for adoption
  - Make sure you make the required deadlines



# The Final Product

- FEMA approved Hazard Mitigation Plan
  - Meets requirements of Title 44 Code of Regulations (CFR) §201.6 for approval and eligibility to apply for FEMA Hazard Mitigation Assistance grant programs.
  - A hazard mitigation project strategy for each jurisdiction
  - A comprehensive list of jurisdiction owned properties
  - Assessment of natural disaster-related risks and vulnerabilities



# Reminder-Timeline\*

Activity	Details	When
Kick-off meeting		Today
Jurisdictional Meetings	Jurisdictions should hold 2-5 internal meetings to assess previous goals and actions, evaluate progress in implementing the action plan, and adjust actions as necessary while refining the mitigation strategy.	Sep 9 – September 29 <sup>th</sup>
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# Plan Update Worksheet

## TABS INCLUDE

- Planning Team
- Capability Assessment
- NFIP Worksheet
- Hazard Identification
- Critical Facilities/Vulnerable Population



# Plan Update Worksheet – Planning Team

A1

Worksheet 2.1  
Mitigation Planning Team Worksheet

**Planning Team (PT)** - The core group responsible for making decisions, guiding the planning process and agreeing upon the final contents of the

**Stakeholder (S)**- Individuals or groups that affect or can be effected by a mitigation action or policy

Organization	PT	S	Name	Title	Email
<b>Local Agencies</b>					
Building Code Enforcement					
City Management/Parish Administration					
Emergency Management					
Fire Department					
Floodplain Manager					
GIS					
Parks and Recreation					
Planning/Community Development					
Public Works					
Stormwater Management					
Transportation (Roads & Bridges)					
City Council / Police Jury					
City / Parish Attorney's Office					
Economic Development Agency					
Police / Sheriff's Department					
Tax Assessor's Office					
<b>Non-Governmental Organizations</b>					
American Red Cross					
Chamber of Commerce					
Community Organizations					
Faith Based Organizations					
Homeowners Associations					

2.1 - Planning Team | 4.1 - Capability | 4.3 NFIP | 5.1 - Hazard Id | Bldg Inv ...

READY COUNT: 2



# Plan Update Worksheet – Capability Assessment

A	B	C	D	E
		<b>Worksheet 4.1</b>		
		Capability Assessment Worksheet		
		Local mitigation capabilities are existing authorities, polices and resources that reduce hazard impacts or that could be used to implement hazard mitigation activities. Please complete the tables and questions in the worksheet as completely as possible.		
		<b>Planning and Regulatory</b>		
		Please indicate which of the following plans and regulatory capabilities your jurisdiction has in place.		
		<b>Plans</b>	<b>Yes / No</b>	<b>How often is the plan updated?</b>
		Comprehensive / Master Plan		
		Capital Improvements Plan		
		Economic Development Plan		
		Local Emergency Operations Plan		
		Continuity of Operations Plan		
		Transportation Plan		
		Stormwater Management Plan		
		Community Wildfire Protection Plan		
		Other plans (redevelopment, recovery, coastal zone)		
		<b>Building Code, Permitting and Inspections</b>	<b>Yes / No</b>	<b>Are the codes adequately enforced?</b>
		Building Code		Version / Year
		Building Code Effectiveness Grading Schedule (BCEGS) Score		Score
		Fire Department ISO rating		Rating
		Site plan review requirements		
		<b>Land Use Planning and Ordinances</b>	<b>Yes / No</b>	<b>Is the ordinance adequately administered and enforced?</b>
		Zoning Ordinance		
		Subdivision Ordinance		





# Plan Update Worksheet – NFIP

	A	B	C	D	E
1			<b>Work Sheet 4.3</b>		
2			National Flood Insurance Program (NFIP)		
3					
4			<b>NFIP Topic</b>	<b>Source of Information</b>	<b>Comments</b>
5			<b>Insurance Summary</b>		
6			How many NFIP policies are in the community? What is the total premium and coverage?	State NFIP Coordinator or FEMA NFIP Specialist	
7			How many claims have been paid in the community? What is the total amount of paid claims? How many of the claims were for substantial damage?	FEMA NFIP or Insurance Specialist	
8			How many structures are exposed to flood risk with in the community?	Community Floodplain Administrator (FPA)	
9			Describe any areas of flood risk with limited NFIP policy coverage.	Community FPA and FEMA Insurance Specialist	
10			<b>Staff Resources</b>		
11			Is the Community FPA or NFIP Coordinator certified?	Community FPA	
12			Is flood plain management an auxiliary function?	Community FPA	
13			Provide an explanation of NFIP administration services (e.g., permit review, GIS, education or outreach, inspections, engineering capability)	Community FPA	
14			What are the barriers to running an effective NFIP program in the community, if any?	Community FPA	
15			<b>Compliance History</b>		
			State NFIP Coordinator, FEMA NFIP		
			2.1 - Planning Team	4.1 - Capability	4.3 NFIP
			5.1 - Hazard Id	Bldg Inv ...	



# Plan Update Worksheet – Hazard Summary

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
1	Worksheet 5.1																						
2	Hazard Summary Worksheet																						
3																							
4	Jurisdiction: _____																						
5																							
6	Please mark the hazards that affect your jurisdiction. If one is not listed please list it in the notes section along with any other																						
7	information you would like us to know.																						
8																							
9	Hazard Type	Coastal Erosion	Dam Failure	Drought	Earthquake	Extreme Heat	Flooding	Hail	High Wind	Tropical Cyclones	Lighting	Levee Failure	Salwater Intrusion	Sea Level Rise	Sinkholes	Storm Surge	Subsidence	Thunderstorms	Tornados	Wildfire	Winter Weather		
10																							
11																							
12																							
13																							
14	Notes: _____																						
15	_____																						
16	_____																						
17	_____																						
18	_____																						
19	_____																						
20	_____																						
21	_____																						



# Plan Update Worksheet – Building Inventory

	A	B	C	D	E	F	G	H	I	J
1			<b>Building Inventory</b>							
2			List of Parish/City Owned Buildings							
3					Please provide in Decimal Format (Ex: 29.987652 / -90.119)					
4	<b>Name of Building</b>		<b>Purpose of Building</b>	<b>Address</b>	<b>City</b>	<b>Latitude</b>	<b>Longitude</b>	<b>Date Built</b>	<b>Construction Type</b>	
5									Select One	
6									Select One	
7									Select One	
8									Select One	
9									Select One	
10									Select One	
11									Select One	
12									Select One	
13									Select One	
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50									Select One	



# Plan Update Worksheet – Critical Facilities and Vulnerable Population

Critical Facilities and Vulnerable Population Worksheet					
Name	Street	City	Zip Code	GPS Coordinate	
<b>Critical Facilities</b>					
<b>Shelters</b>					
<b>Hospitals</b>					
<b>Schools</b>					
<b>Daycares</b>					



**Tabs for each hazard identified in state plan – tabs can be added or deleted**

# Hazards Worksheet – Example Iberia Parish

B19				
A	B	C	D	E
1	<b>Thunderstorms</b>			
2				
3	<b>Jurisdiction</b> <b>DELCAMBRE, LOUISIANA/IBERIA PARISH</b>			
4	Flooding Events from 2009 to 2014 which occurred in Iberia parish. Please add jurisdictional specific comments when possible to events. If there are events that			
5	happened that are not listed, please add below in the space provided.			
6	<b>Date</b>	<b>Location</b>	<b>Extent</b>	<b>Narrative</b>
7	When possible please provide Month/Day/Year, if not provide Month/Year	Unincorporated Areas of the parish, Loreauville, New Iberia, Jeanerette, Delcambre	How bad did it get? How many inches of rain fell? How high did the water get? How hard did the wind blow?	What happened? What was damaged?
8	4/2/2009			A gust front well ahead of a line of thunderstorms moved across central Louisiana during the morning hours on April 2, producing widespread wind damage to trees and buildings. Additional severe thunderstorms developed across south-central Louisiana later in the morning, causing more wind damage. NWS storm survey found microburst wind damage from 2 miles east of the Morbihan community to 1 mile south of the Vida community. A few trees and power lines were blown down along Northside Road and Loreauville Road. An outbuilding was demolished on Northside Road south of Cajun Drive. All debris was blown in a southwest to northeast direction with estimated winds up to 65 mph.
	6/29/2009			A line of strong to strong to severe thunderstorms developed during the afternoon hours across central and southwest Louisiana and moved southeastward. Several reports of severe winds and wind damage were received. The Acadiana Regional Airport ASOS measured a wind gust of 62 mph. The Acadiana Regional Airport ASOS measured a wind gust of 62 mph. Numerous trees, power lines, and power poles were blown down in New Iberia, knocking out power to 4000 homes.
<div> <span>◀ ▶</span> <span>Drought</span> <span>Flooding</span> <span><b>Thunderstorms</b></span> <span>Hail</span> <span>High Wind</span> <span>Tornadoes</span> <span>Tropical Cyclone</span> <span>Coastal Hazards</span> <span>Dam Failure</span> </div>				
READY				



# Mitigation Action Evaluation Worksheet

Mitigation Action	Life Safety	Property Protection	Technical	Political	Legal	Environmental	Social	Administrative	Local Champion	Other Community Objectives	Total Score
Local Plans and Regulations											
Structure and Infrastructure Projects											
Natural Systems Protection											
Education and Awareness Programs											

Worksheet 6.1  
Mitigation Action Evaluation Worksheet





# Mitigation Action Implementation Worksheet

## Mitigation Action Implementation Worksheet

Complete a mitigation action implementation worksheet for each identified mitigation action.

Jurisdiction:	
Mitigation Action/Project Title:	
Background/Issue:	
Ideas for Integration:	
Responsible Agency:	
Partners:	
Potential Funding:	
Cost Estimate:	
Benefits: (Losses Avoided)	
Timeline:	
Priority:	
Worksheet Completed by:	(Name/Department)

# ***Contact Us***

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