



Calcasieu Parish Hazard Mitigation Plan Update Kick-off Meeting

March 31, 2015

Lake Charles, 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



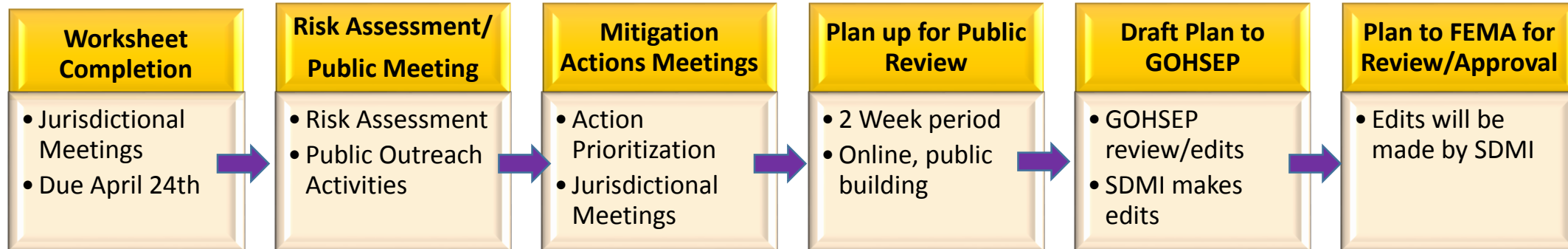
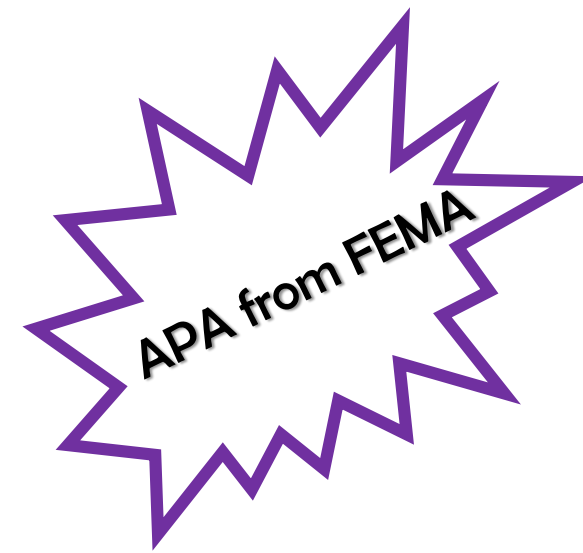
Expectations

Jurisdictions

- Each jurisdiction **MUST** show active participation in the planning process by the following:
 - Completing state required worksheets;
 - Identifying jurisdiction specific mitigation actions (projects)
 - Have representation at all meetings;
 - Adopt the final plan.



Plan Update Timeline – Next Steps



Planning Development



New Plan Layout

- Section 1: Introduction
 - Updated demographics
 - Economics
 - Update parish/jurisdiction descriptions
- Section 2: Hazard Identification and Parishwide Risk Assessment
- Section 3: Capability Assessment
- Section 4: Mitigation Strategies
 - New actions
 - Action updates
 - Survey results



New Plan Layout

- Appendix A: Planning Process
- Appendix B: Plan Maintenance
- Appendix C: Parish Essential Facilities
- Appendix D: Plan Adoption
- Appendix E: State Required Worksheets



Hazard Identification and Risk Assessment

- Based on currently profiled risks
- Any newly identified risks
- Prevalent Hazards
- Previous occurrences
- Probability of future events
- Assets Inventory
- Essential Facilities
- Hazard Impact
- Future Development
- Future Hazard Impacts
- Zoning and Land Use
- Hazard Profiles



Hazard Identification and Risk Assessment (Previous Update)

- Dam and Levee Failure
- Drought
- Excessive Heat
- Expansive Soils
- Flooding
- Hailstorm
- Hurricane
- Thunderstorm, Lightning & High Wind
- Tornados
- Tsunami
- Wildfire
- Winter Storm



Capabilities Assessment

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

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



Mitigation Strategy

Goals

- Reduce or prevent injury and loss of life
- Reduce or prevent damage to property and material assets
- Reduce or prevent future damage to critical facilities (fire, rescue, law enforcement, communications, command and control) essential for protection and public safety
- Reduce or prevent future damage to special facilities including: schools, nursing homes, health care facilities, prisons, historical and cultural resources
- Reduce or prevent future damage to infrastructure including: stormwater conveyance structures, utility systems, pipelines, railroads, highways, bridges, and navigable waterways
- Reduce or prevent future damage to commercial facilities
- Reduce or prevent future damage to higher risk facilities that, if damaged, may result in significant loss of human life, damage to the environment, or significant harm to the local economy including: hazardous material handling facilities, dams, flood control facilities, and other high security facilities

Mitigation Actions

- Will be updated and carried over from last update
- New Actions will be identified



Mitigation Strategy

- Mitigation Actions
 - Current Actions Report/Update
 - New Action Identification



Worksheet 6.2

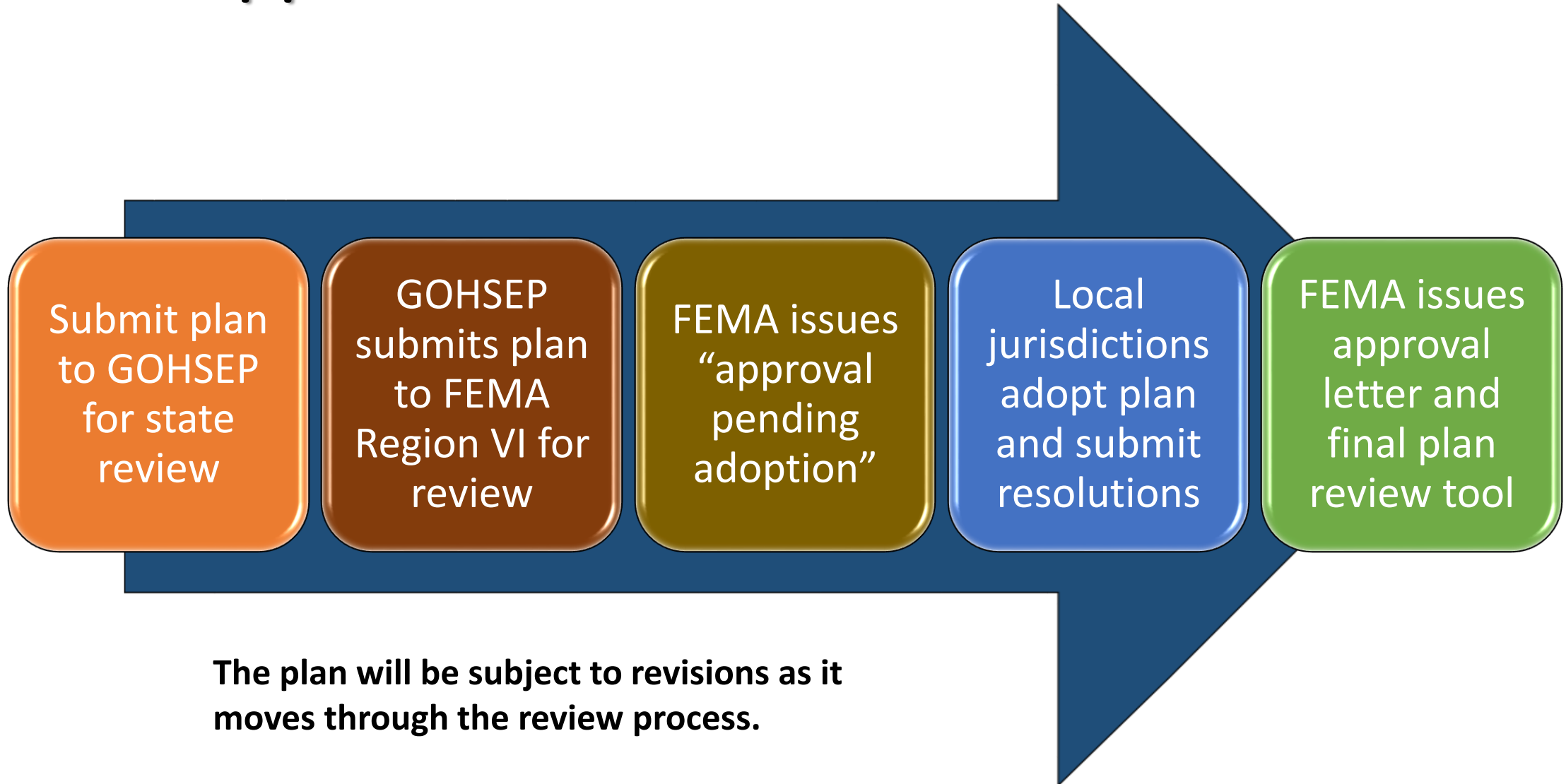
Hazard Summary Worksheet

Mitigation Action Implementation Worksheet

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

Jurisdiction/Responsible Agency:	St Tammany Parish / Department of Engineering
Mitigation Action/Project Title:	Schneider Canal Hurricane Protection Project
Project Type:	Flood Protection
Project Summary:	The Schneider Canal Hurricane Protection Project area is located on the northeastern shore of Lake Pontchartrain. The proposed project includes both levee and pumping capacity improvements.
Potential Funding:	FEMA, USACE, and other local/state/federal funding.
Cost Estimate:	
Benefits: (Losses Avoided)	Flooding in the City of Slidell and vicinity is caused by both intense rainfall in the upper reaches of the streams and high stages in Lake Pontchartrain caused by hurricanes and other tropical events. This project will provide flood protection, therefore reducing the risk of loss.
Timeline:	TBD
Priority:	
Worksheet Completed by:	Department of Grants

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



Element E: State Required Worksheets

Each jurisdiction **MUST** fill these out:

- Capability Assessment
- NFIP Worksheet
- Critical Facilities/Building Inventory
- Vulnerable Population

Worksheet 4.1: Capability Assessment Worksheet									
Local mitigation capabilities are existing authorities, policies 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.									
Planning and Regulatory									
Please indicate which of the following plans and regulatory capabilities your jurisdiction has in place.									
	Calcasieu Parish	DeQuincy	Lake Charles	Sulphur	Westlake	Vinton	Iowa		
Plans								Yes / No	
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 management)									
Building Code, Permitting and Inspections								Yes / No	
Building Code									
Building Code Effectiveness Grading Schedule (BCEGS) Score									
Fire Department ISO/PIAL rating									
Site plan review requirements									
Land Use Planning and Ordinances								Yes / No	
Zoning Ordinance									
Subdivision Ordinance									
Floodplain Ordinance									
Natural Hazard Specific Ordinance (stormwater, steep slope, wildfire)									
Flood Insurance Rate Maps									
Acquisition of land for open space and public recreation uses									
Other									



Element E: State Required Worksheet – Capability Assessment

Worksheet 4.1: Capability Assessment Worksheet - Unincorporated Calcasieu

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.

Planning and Regulatory

Please indicate which of the following plans and regulatory capabilities your jurisdiction has in place.

Plans	Yes / No	Comments
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 management)		
Building Code, Permitting and Inspections	Yes / No	
Building Code		
Building Code Effectiveness Grading Schedule (BCEGS) Score		
Fire Department ISO/PIAL rating		
Site plan review requirements		
Land Use Planning and Ordinances	Yes / No	
Zoning Ordinance		
Subdivision Ordinance		
Floodplain Ordinance		
Natural Hazard Specific Ordinance (stormwater, steep slope, wildfire)		
Flood Insurance Rate Maps		
Acquisition of land for open space and public recreation uses		
Other		
Administration and Technical		

Place answers in Yes/No column, add comments if necessary (i.e. what year the plan was updated last)

Element E: State Required Worksheet – Building Inventory

[illegible]

- List all parish/government owned building; indicate in the first column if it is a critical facility
- Assessed value, date built, and construction type **MUST** be filled out

Element E: State Required Worksheet – Critical Facilities and Vulnerable Population

[illegible]

Plan Update Worksheet – NFIP

ELEMENT F: STATE REQUIREMENT		
National Flood Insurance Program (NFIP)		
Parish: Calcasieu Parish		
Insurance Summary		Comments
How many NFIP policies are in the community?		
What is the total premium and coverage?		
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?		
How many structures are exposed to flood risk with in the community?		
Describe any areas of flood risk with limited NFIP policy coverage.		
Staff Resources		
Is the Community FPA or NFIP Coordinator certified?		
Is flood plain management an auxiliary function?		
Provide an explanation of NFIP administration services (e.g., permit review, GIS, education or outreach, inspections, engineering capability)		
What are the barriers to running an effective NFIP program in the community, if any?		
Compliance History		
Is the community in good standing with the NFIP?		
Are there any outstanding compliance issues(i.e., current violations)?		
When was the most recent Community Assistance Visit (CAV) or Community Assistance Contact(CAC)?		
Is a CAV or CAC scheduled or needed? If so when?		

- FEMA can provide this information, or local /parish floodplain managers

Mitigation Action/Evaluation Worksheets

- Mitigation Action Implementation

** We will reconvene the steering committee for a mitigation strategies meeting to review these worksheets

Mitigation Actions for City of Covington							
Action	Summary	Funding Source	Target Completion Date	Responsible Party, Agency, or Department	Hazard	Goal	Status
Action 1.1: Mile Branch Drainage Improvements	The proposed project involves stabilization of existing channel banks due to damage from erosion of existing banks. The purpose of the project is to reduce potential structure damage due to erosion along the channel.	Local, FEMA HMPG	24 months from start	City of Covington/St Tammany Parish	Flooding, Tropical Cyclone	1,4	New
Action 1.2: Simpson Creek Drainage Improvements	The proposed project involves increase flow capacities in major drainage channel to mitigate flood risk to area. Simpson Creek drains a large developed portion of the City of Covington. Improvements would be made to reduce flood risk to structures located along the drainage way.	Local, FEMA HMPG	18 months from start	City of Covington	Flooding, Tropical Cyclone, Severe Thunderstorm	1,2,3,4,7	New

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

Brant Mitchell, SDMI Director of Research & Operations

bmitch9@lsu.edu

(225) 578-5939

Lauren Stevens, HM Project Lead

lstevens@lsu.edu

(225) 578-0502

Lexie Andrews, HM Project Lead

aandrews1@lsu.edu

(225) 578-7034

Stephenson Disaster Management Institute

www.sdmi.lsu.edu

