



# Caddo Parish Hazard Mitigation Plan Update Initial Planning Meeting

October 25, 2022

Shreveport, LA



# Introductions

- **Caddo Parish OHSEP Director/Planning Committee**
- **Stephenson Disaster Management Institute (SDMI) at LSU**
  - Chris Rippetoe – Hazard Mitigation Program Manager
- **Governor's Office of Homeland Security and Emergency Preparedness**
  - Jeffrey Giering – State Hazard Mitigation Officer
  - Marion Pearson – Hazard Mitigation Planner



# Who is SDMI?

- Stephenson Disaster Management Institute (SDMI) at Louisiana State University
- Non-Academic, Applied Research Unit on campus under the SNCSRT umbrella.
- Founded by Toni and Emmet Stephenson

**LSU** | Stephenson Disaster  
Management Institute





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



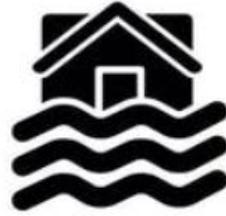
# Hazard Mitigation Is....

- Any action taken to reduce long term risk to life and property;
- On-going process that occurs before, during, and after disasters;
- Mitigation actions help prevent damage to a community's infrastructure, economic, cultural and environmental assets;
- Minimize operational downtime and accelerate recovery of government and the private sector after an event;
- ***Implementation of mitigation actions leads to building stronger, safer and smarter!***





Hazard Mitigation Planning is a process that identifies natural hazard risks and develops strategies to reduce these risks.



# Planning Process



# Hazard Mitigation Plan Update Requirements

- The plan must be updated every 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;
- Must be multi-jurisdictional



# 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 mitigation 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 of the Planning Committee

- Parish will serve as the main liaison/POC throughout the planning process
- Each jurisdiction **MUST** show active participation in the planning process by the following:
  - Completing state required worksheets;
  - Identifying and updating jurisdiction specific mitigation actions (projects);
  - Have representation at meetings;
  - Report to community and gather feedback from appropriate agencies;
  - Adopt the final plan.

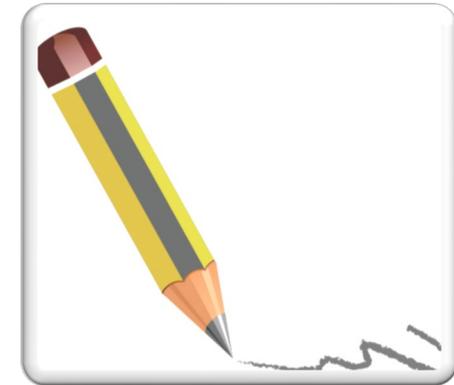




**CADDO**  
**PARISH HAZARD MITIGATION**  
**UPDATE – 2016**



# Plan Development



# Plan Layout

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



# Plan Layout

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



# Section 1: Introduction

- Updated demographics
  - Census information
- Economic update
  - New facilities or companies that are leading to economic impact to the parish?
- Parish/Jurisdiction descriptive updates



# Section 2: 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



# Section 2: Hazard Identification and Risk Assessment

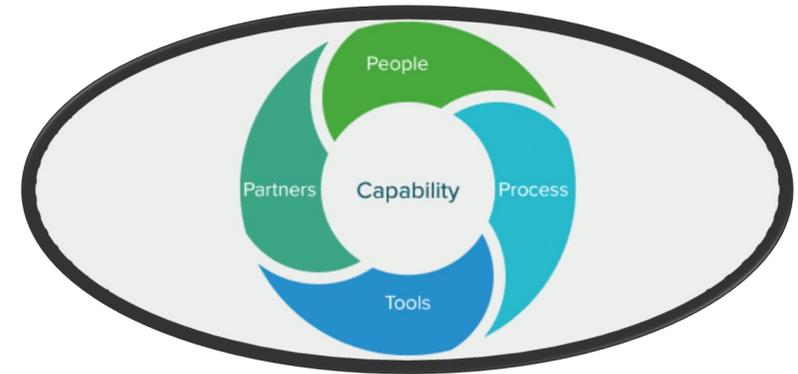
- Dam Failure
- Drought
- Excessive Heat
- Flooding
- Levee Failure
- Thunderstorms
- Tornadoes
- Tropical Cyclones
- Wildfires
- Winter Weather



# Section 3: Capability Assessment

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

- Planning and Regulatory
- Administrative and Technical
- Financial
- Educational and Outreach



# Section 4: Mitigation Strategies

## Goals

- Improve/enhance critical public facilities and equipment to ensure operability before, during, and after hazard events
- Enhance public safety and protect lives from dangers of natural hazards
- Facilitate sound development in the parish to reduce or eliminate the potential impact of hazards
- Enhance public awareness of natural hazards and understanding of disaster preparedness

# Section 4: Mitigation Strategies

- Mitigation Action Update on previous actions/projects
- New Mitigation Action identification for each jurisdiction in 2022 plan update



\*We will discuss Mitigation Actions with the planning committee at a later date.

Caddo Unincorporated - New Mitigation Actions						
Jurisdiction-Specific Action	Action Description	Funding Source	Target Completion Date	Responsible Party, Agency, or Department	Hazard	Status
C1: Building Retrofits	Retrofit public buildings exterior shell to maintain use during and after storm events. Benefits: Reduces damage from high winds, and helps assure that the public buildings can be used, occupied and operable during or after storms.	FEMA HMGP, Local	1-5 years	Caddo Parish OHSEP	High Wind, Hail, Tropical Cyclones, Tornadoes	New
C2: Drainage Improvement	Will relieve flooding problems, reduce flood damage and costs of damage, overtopping of roads with drain water, while also keeping open roadways during periods of high precipitation. Benefits: Relieves Parish or local government and propertyowners of the continual problems, with closed roadways (loss of function). Saves public funds for road repairs, drainage ditch repairs, sandbagging and blocking of roadways during storm periods.	FEMA HMGP, Local	1-5 years	Caddo Parish OHSEP	Flooding, High Wind, Tropical Cyclones	New
C3: Mitigation of repetitive loss and severe repetitive loss properties and other hazard prone structures	Elevation, acquisition-demolition, acquisition-relocations, and reconstruction of repetitive loss or flooding or other hazard prone properties.	FEMA HMGP, Local	1-5 years	Caddo Parish OHSEP	Flooding, Tropical Cyclones, Dam Failure, Levee Failure	New
C4: Safe Room Projects	Construction of a safe room for first responders located in Caddo Parish. Other locations will be identified based on funding availability.	FEMA HMGP, Local	1-5 years	Caddo Parish OHSEP	Tornadoes, High Wind, Tropical Cyclones, Wildfires	New
C5: Education and Outreach	Enhance the public outreach programs for the parish and all communities by increasing awareness of risks and safety for Flooding, Tropical Cyclones, Tornadoes, Wildfires, Extreme Heat, Thunderstorms	FEMA HMGP, Local	1-5 years	Caddo Parish OHSEP	Flooding, Tropical Cyclones, Tornadoes, Wildfires, Extreme Heat, Thunderstorms	New

# Appendix A: Planning Process

- Overview of planning process
- Meeting documentation and summaries
- Discussion of integration of neighboring community participation
- Discussion of integration of other parish and jurisdiction plans to the HM Update
- Planning committee members identified

# Appendix B: Plan Maintenance

- Review of HM plan **annual** maintenance by the Caddo Parish OHSEP Director.
- Assign responsible parties for review and edits of the plan



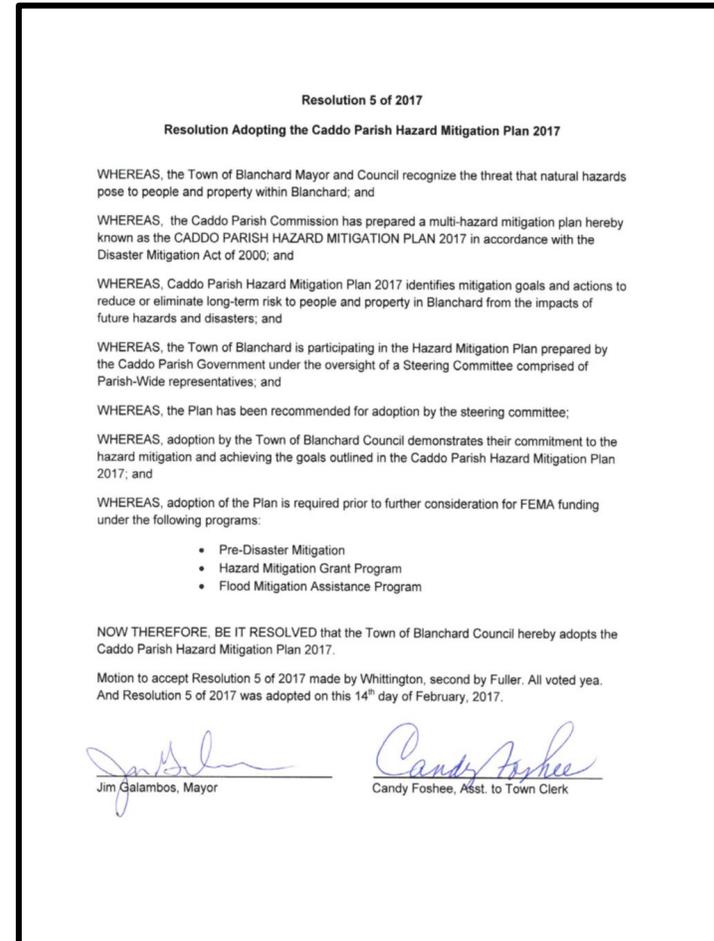
# Appendix C: Critical Facilities

- Updated list of critical facilities by jurisdiction
- Will identify which hazards within the risk assessment pose a threat to each facility
- Facilities must be parish or jurisdiction owned



# Appendix D: Plan Adoption

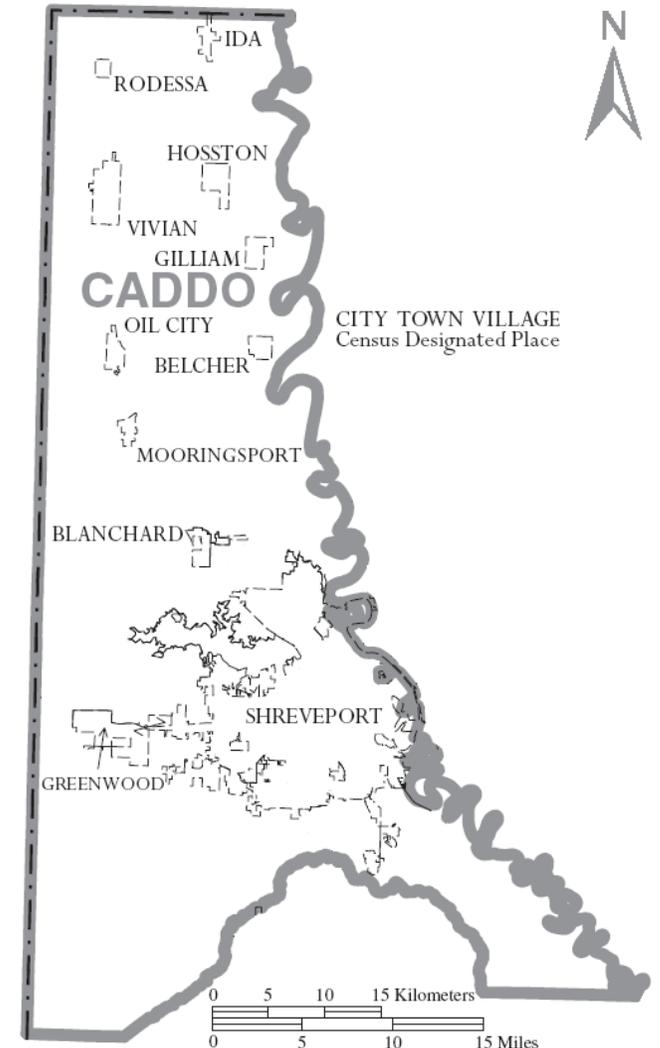
- Parish council and city council resolutions must be adopted, signed, and placed into the final planning document – **AFTER the plan is issued APA.**
- Templates can be provided if needed
- As a planning team member, be aware of the policies for your jurisdiction



# Appendix E: State Required Worksheets

Each jurisdiction **MUST** fill these out:

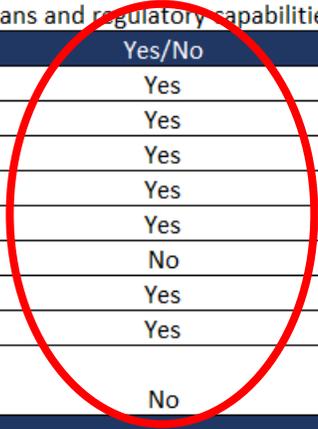
- Capability Assessment
- NFIP Worksheet
- Parish/Jurisdiction Building Inventory
- Vulnerable Populations



# Capability Assessment

Capability Assessment Worksheet - Caddo Parish		
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	Yes	
Capital Improvements Plan	Yes	
Economic Development Plan	Yes	
Local Emergency Operations Plan	Yes	
Continuity of Operations Plan	Yes	
Transportation Plan	No	
Stormwater Management Plan	Yes	
Community Wildfire Protection Plan	Yes	
Other plans (redevelopment, recovery, coastal zone management)	No	
Building Code, Permitting and Inspections		
Building Code	Yes	
Building Code Effectiveness Grading Schedule (BCEGS) Score	No	
Fire Department ISO/PIAL rating	No	
Site plan review requirements	Yes	
Land Use Planning and Ordinances		
Zoning Ordinance	Yes	
Subdivision Ordinance	Yes	
Floodplain Ordinance	Yes	
Natural Hazard Specific Ordinance (stormwater, steep slope, wildfire)	Yes	
Flood Insurance Rate Maps	Yes	
Acquisition of land for open space and public recreation uses	Yes	

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



# National Flood Insurance Program

National Flood Insurance Program (NFIP) - Caddo Parish		
<b>Insurance Summary</b>		<b>Comments</b>
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.		
<b>Staff Resources</b>		<b>Comments</b>
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?		
<b>Compliance History</b>		<b>Comments</b>
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



# Building Inventory

Building Inventory - Caddo Parish								
Name of Building	Purpose of Building	Address	City	Latitude	Longitude	Assessed Value	Date Built	Constuction Type
Gilliam Fire Station	Fire Search and Rescue	306 5th Street	Gilliam	32.82795647	-93.84444951	\$389,760.00	1988	Concrete
Caddo Parish Residential Waste Disposal and Recycling Center	Civil Government	Nearby: 5469 Sartor Road	Gilliam	32.82718253	-93.84377377	\$1,439,475.00	1995	Metal Building
Caddo Parish Fire District 7 Station 4	Fire Search and Rescue	Nearby: 320 Gray Street	Belcher	32.74708095	-93.83254215	\$470,350.00	1988	Brick Veneer
Caddo Parish Residential Waste Disposal and Recycling	Civil Government	Nearby: 309 Foster Street	Belcher	32.75041471	-93.8338685	\$100,000.00	2000	Metal Building
Rodessa Fire Station	Caddo Parish Owned and Operated	United Gas Rd & Hwy 1 Intersect	Rodessa	32.980884	-94.000852	\$300,000.00	1990	Metal Building
Caddo Levee District	Civil Government	1320 Grimmatt Drive	Shreveport	32.53518675	-93.76470476	\$37,500.00	1992	Metal
Caddo Levee District	Civil Government	1320 Grimmatt Drive	Shreveport	32.535737	-93.76541083	\$237,400.00	1990	Reinforced Masonry
Caddo Parish Animal Shelter	Civil Government	1500 Monty Avenue	Shreveport	32.52553667	-93.76979999	\$1,792,600.00	1985	Reinforced Masonry
Caddo Parish Communications District	Civil Government	1144 Texas Avenue	Shreveport	32.50283212	-93.75469212	\$2,944,900.00	1988	Reinforced Masonry
Caddo Parish Council on Aging	Civil Government	1700 Buckner Street #240	Shreveport	32.493659	-93.754109	\$25,000.00	1985	Concrete
Caddo Parish Courthouse	Civil Government	501 Texas Street #103	Shreveport	32.51212109	-93.74961578	\$22,883,100.00	1838	Reinforced Masonry
Caddo Parish Highway Dept. (South Camp)	Civil Government	Nearby: 11928 Greenwood Springridge Road	Shreveport	32.31418048	-93.94521479	\$1,082,530.00	1984	Metal Building
Caddo Parish Residential Waste Disposal and Recycling Center	Civil Government	Nearby: 10326 Norris Ferry Rd	Shreveport	32.36147312	-93.71343591	\$100,000.00	1995	Metal Building
Caddo Parish Residential Waste Disposal and Recycling Center	Civil Government	Nearby: 5115 North Lakeshore Drive	Shreveport	32.53940668	-93.84914309	\$100,000.00	1995	Metal Building
Caddo Parish Residential Waste Disposal and Recycling Center	Civil Government	Nearby: 11697-11973 Louisiana 169	Shreveport	32.31244793	-93.94385781	\$100,000.00	1995	Metal Building
Caddo Parish School Board	Civil Government	1961 Midway Avenue	Shreveport	32.47052001	-93.77177282	\$4,079,400.00	1990	Concrete
Caddo Parish School Board Instructional Center	Civil Government	1961 Midway Avenue	Shreveport	32.47050898	-93.7711565	same building as above	1990	Concrete
Caddo Parish Truancy Center	Civil Government	1707 Line Avenue	Shreveport	32.45562781	-93.78584425	\$2,584,500.00	1900	Concrete
Caddo Parish Warehouse	Civil Government	235 Lynbrook Boulevard	Shreveport	32.51698186	-93.75503405	\$63,100.00	1989	Metal
Caddo Schools Warehouse	Civil Government	235 Lynbrook Boulevard	Shreveport	32.43229003	-93.90141506	\$3,127,600.00	1988	Metal
Caddo Sewer District #2	Civil Government	4859 North Market Street # 4	Shreveport	32.52340919	-93.8244028	\$33,830.00	2001	Concrete
Caddo-Shreveport Sales & Use Tax Commission	Civil Government	3707 Jewella Avenue	Shreveport	32.48513041	-93.70135805	\$650,100.00	1994	Concrete
Chamber of Commerce	Civil Government	400 Edwards Street	Shreveport	32.51390581	-93.74950566	\$3,499,859.00	1923	Concrete
Council on Alcoholism & Drug Abuse of Northwest Louisiana	Civil Government	2000 Fairfield Avenue	Shreveport	32.49261916	-93.75166103	\$700,000.00	1980	Steel
Department of Community Development	Civil Government	700 Ogilvie Street	Shreveport	32.51318866	-93.74872781	\$12,178,391.00	1975	Concrete
Department of Public Works Traffic Engineering Division	Civil Government	1731 Kings Highway	Shreveport	32.49203367	-93.7728385	\$350,756.00	1963	Metal
Farm Bureau Caddo Parish	Civil Government	8640 Business Park Drive	Shreveport	32.42383754	-93.72704294	\$164,250.00	1998	Concrete
Northwest Louisiana Human Services District	Civil Government	2620 Centenary Boulevard # 250	Shreveport	32.48200111	-93.70641258	\$1,152,570.00	1980	Reinforced Masonry
Water District #7	Civil Government	6836 COLQUITT ROAD	Keithville	32.33978794	-93.89505793	\$150,000.00	2005	Metal
Arthur Circle Elementary School	Education	261 Arthur Ave	Shreveport	32.459585	-93.718221	\$4,644,000.00	1965	Reinforced Masonry
Booker T. Washington High School	Education	2104 Milam Street	Shreveport	32.50444516	-93.77433244	\$1,311,380.00	1950	Reinforced Masonry
Broadmore Middle Laboratory School	Education	441 Atlantic Avenue	Shreveport	32.46304718	-93.731255	\$1,170,400.00	1965	Reinforced Masonry

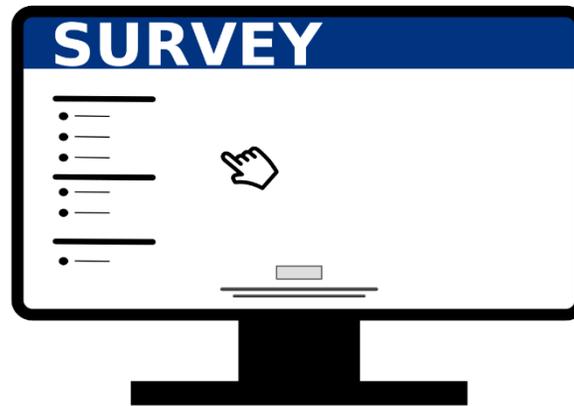
# Vulnerable Populations

Vulnerable Populations - Caddo Parish					
All Hospitals (Private or Public)					
Name	Street	City	Zip Code	Latitude	Longitude
*There are no hospitals in Unincorporated Caddo Parish					
Nursing Homes (Private or Public)					
Name	Street	City	Zip Code	Latitude	Longitude
*There are no nursing homes in Unincorporated Caddo Parish					
Mobile Home Parks					
Name	Street	City	Zip Code	Latitude	Longitude
Ballavista Mobile Home Village	2651 Barron Road	Keithville	71047	32.34861356	-93.80352415
C & H Mobile Home Park	Nearby: 12575 Manfield Road	Keithville	71047	32.32023782	-93.82969552



# Parish Mitigation Survey

- Collects information from citizens regarding their perceptions of local hazards and mitigation efforts
- Results will be included in the plan if there are enough responses
- <https://www.surveymonkey.com/r/CaddoHM2022>



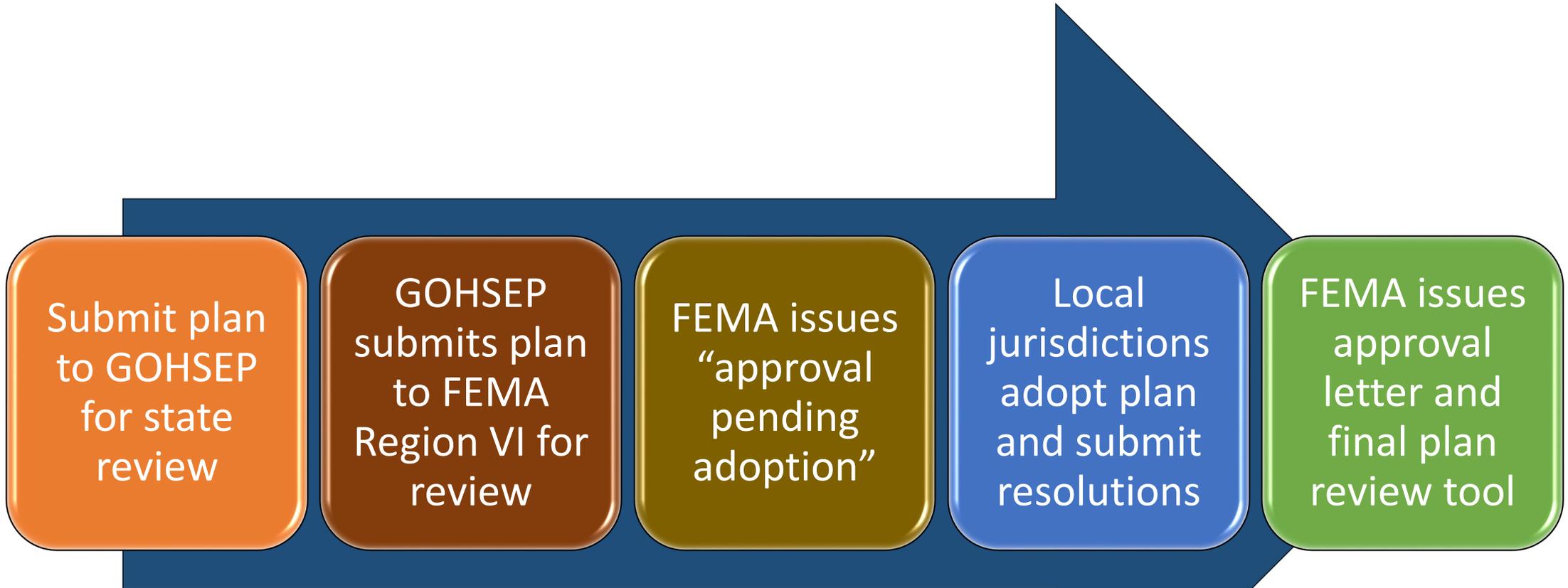
# SDMI Hazard Mitigation Website

- Repository for materials used during update process
- <https://hmplans.sdmi.lsu.edu/Home/Parish/caddo>



The screenshot shows the website interface for Caddo Parish. At the top, there is a navigation bar with the LSU Stephenson Disaster Management Institute logo and links for 'SDMI HOME', 'Home', 'Calendar', 'Mitigation Resources', 'Parish Plans', and 'Settings'. The main content area is titled 'Caddo Parish' and includes a 'PLAN DUE DATE: NOVEMBER 12 2022'. A 'DEVELOPMENT STATUS' progress bar shows four stages: 'PLAN DEVELOPMENT' (yellow), 'PLAN REVIEW' (purple), 'PLAN ADOPTION' (purple), and 'COMPLETED' (purple). Below this, a list of 'PARTICIPATING JURISDICTIONS' includes Unincorporated Caddo Parish, Town of Mooringsport, Town of Vivian, Village of Belcher, Town of Greenwood, Town of Oil City, Town of Blanchard, Village of Hosston, Village of Rodessa, Village of Gilliam, Village of Ida, and City of Shreveport. A calendar section lists two upcoming meetings: '2022 Caddo Parish HM Initial Planning Meeting' on October 25 and '2022 Caddo Parish HM Plan Update Kickoff Meeting' on October 4. A 'PREVIOUS PLANNING RESOURCES' section for 2016 offers download links for the 'Caddo HM Plan', 'Caddo Parish Kick Off Meeting', and 'Caddo Parish Public Meeting'. At the bottom, a 'SURVEY' section provides a link to 'ACCESS Caddo Survey Here: Caddo Parish Public Opinion Survey'.

# Plan Approval Process



**The plan will be subject to revisions as it moves through the review process.**



# Plan Adoption

Each jurisdiction **MUST** adopt the final plan

- Templates can be provided if needed
- 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



# Next Steps

- Identify Neighboring Community
  - Bossier used in previous plan
- Parish seal/logo
- Worksheet and Mitigation Actions Due Dates
- Dates for Next Meetings
  - Mitigation Action Workshop (Optional)
  - Risk Assessment Review with Committee
  - Public Meeting
- Draft Plan to FEMA
  - 2-3 weeks after the public meeting
- Adoptions
  - AFTER the FEMA Review



# Contact Us

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