



St. Charles Parish Hazard Mitigation Plan Update Initial Planning Meeting

April 9th, 2024

Hahnville, LA



Introductions

- **St. Charles Parish OHSEP Director/Planning Committee**
- **Stephenson Disaster Management Institute (SDMI) at LSU**
 - Chris Rippetoe – Hazard Mitigation Program Manager
 - Jason Martin – Emergency Management Analyst
- **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
- Specialize in providing programmatic support and decision making tools for state and local emergency managers
 - Hazard Mitigation Plans
 - Emergency Operations Plans
 - Geographic Information Systems
 - Application Development
 - Data Visualization
 - Aerial Imagery Collection/Processing





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!***



Federal HM Plan 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

HM 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 additional local planning efforts;
- Report mitigation strategy (projects) progress and discuss adjustments;
- Must have a robust planning committee
 - Include academia, private business/industry, and non-profit groups as stakeholders





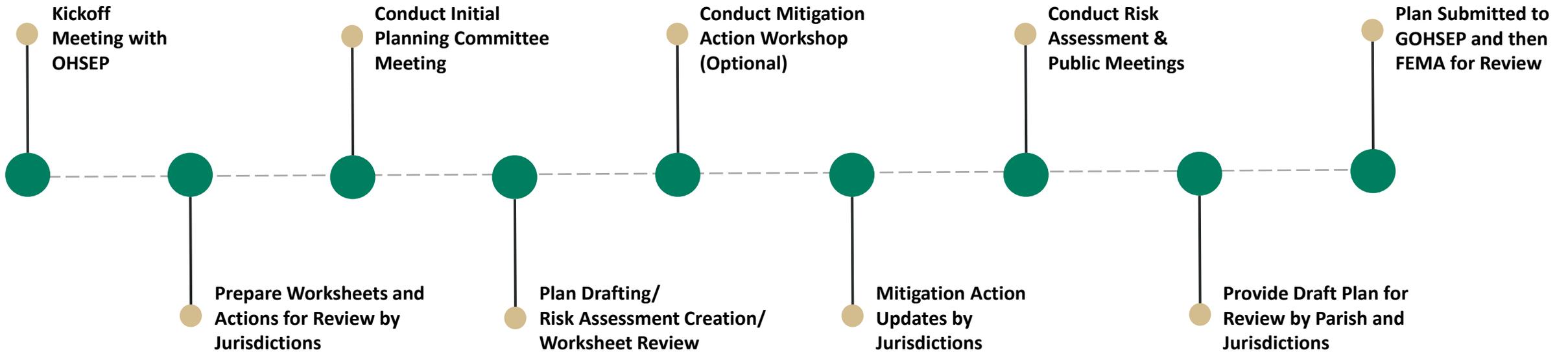
Hazard Mitigation Planning is a process that identifies natural hazard risks and develops strategies to reduce these risks.



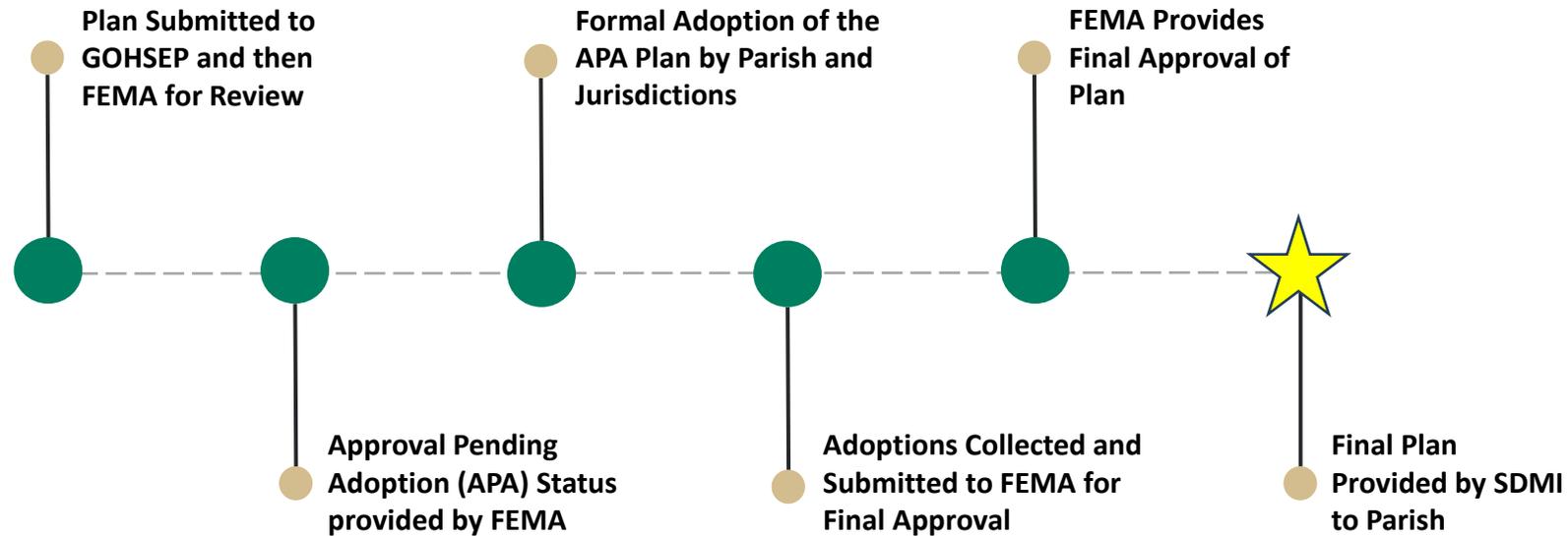
Plan Update Process



Plan Update Process Timeline



Plan Approval Timeline



Planning Committee Expectations

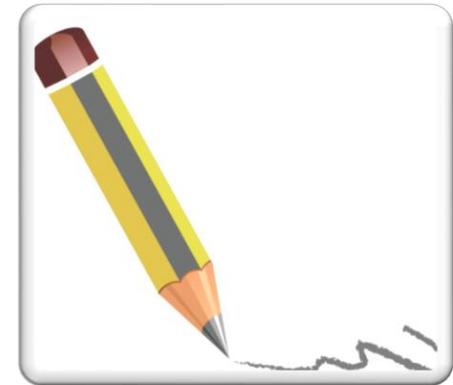
- Parish will serve as the main liaison/POC throughout the planning process
- Parish **MUST** show active participation in the planning process by the following:
 - Completing state required worksheets;
 - Identifying and updating specific mitigation actions (projects);
 - Have representation at meetings;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



2025 ST. CHARLES PARISH HAZARD MITIGATION PLAN



Plan Development



Plan Layout

- **Section 1: Introduction**
 - Parish Description
 - Updated Census & Economic Data
- **Section 2: Hazard Identification and Parish-wide Risk Assessment**
- **Section 3: Capability Assessment**
- **Section 4: Mitigation Strategies**
 - Action updates
 - New actions



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

- Parish Description & Geography
- Updated Census Information
 - Total Population
 - Population Density
- Economic update
 - Detail major economic sectors
 - New companies that are having a positive economic impact on the parish



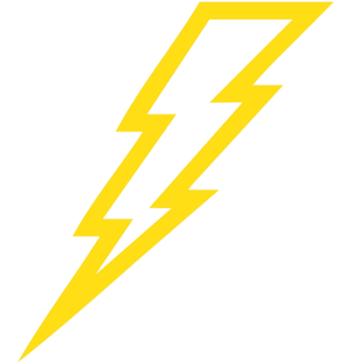
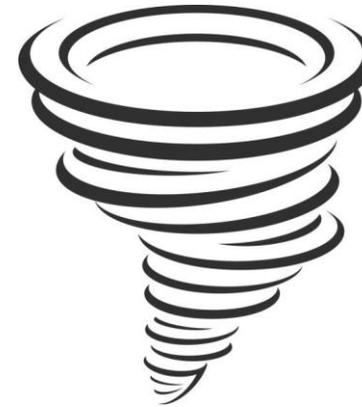
Section 2: Hazard Identification and Risk Assessment

- Previously Profiled Hazards
- Newly Identified Hazards
- Previous Occurrences
- Probability of Future Events
- Potential Losses due to an Event
- Zoning and Land Use
- Impacts on Critical Facilities
- Impacts from Future Development
- Future Impacts due to Climate Change



Hazard Identification and Risk Assessment

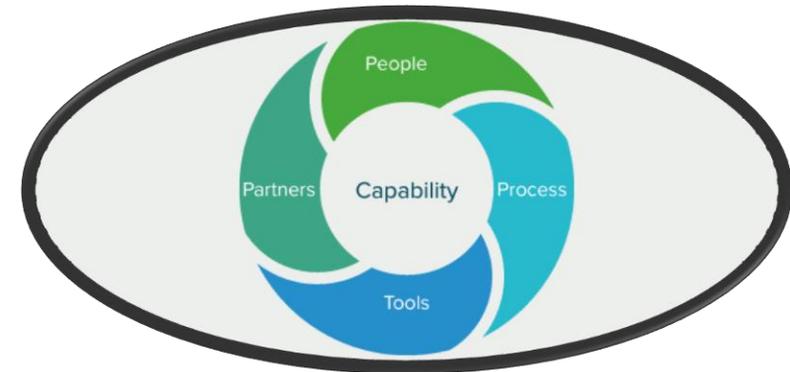
- Coastal Hazards*
- Drought
- Excessive Heat
- Flooding
- Levee Failure
- Thunderstorms
- Tornadoes
- Tropical Cyclones
- Wildfires
- Winter Weather



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 & Objectives

1. Reduce losses to existing and future property due to hazards
 1. Target FEMA/NFIP repetitive loss structures for property protection measures
 2. Evaluate existing regulations that might impact the vulnerability of property and persons to hazards and how well those regulations are enforced
 3. Improve the ability of property owners in hazard areas to undertake mitigation actions
 4. Enhance the Parish's information base to support future hazard mitigation planning
 5. Reduce the impacts of hazards on St. Charles Parish through structural measures
 6. Increase the capacity of the Parish to use existing infrastructure in an efficient manner
 7. Protect the continuity of important Parish records
 8. Increase public awareness of potential damages to property from natural hazards



Section 4: Mitigation Strategies

Goals & Objectives

2. Protect the health and well-being of the people of St. Charles Parish from the negative effects of hazards
 1. Increase awareness of appropriate actions to take in the case of a hazard event
 2. Seek effective and efficient methods and technology for notifying residents of hazards and severe weather events

3. Ensure the ability of emergency services providers and facilities, including essential facilities, to continue operating during hazard events
 1. Enhance property protection measures at emergency services facilities and other critical facilities
 2. Evaluate the interdependencies between emergency service providers during hazard events



Section 4: Mitigation Strategies

- Mitigation Action status update for previous actions/projects
- New Mitigation Actions identified for 2024-25 Update



St. Charles Parish Mitigation Action Sheet - Emergency Services (ES)								
Mitigation Action	Action Description	Funding Source	Priority	Target Completion Date	Goals	Responsible Party, Agency, or Department	Hazard	Status
ES-1: Evaluate Emergency Response Procedures	Coordinate with the Southeast Louisiana Hurricane Task Force to comprehensively evaluate the effectiveness of current evacuation and emergency response procedures. Drawing upon empirical evacuation data and assembled technical expertise, improve hurricane evacuation procedures.	Staff Time	High	1-5 years	2	St. Charles Parish DHSEP, Neighboring Parishes, FEMA, GOHSEP	Tropical Cyclones	Ongoing
Comments: HES completed in 2019.								
ES-2: Improve Technical Infrastructure	Coordinate with the National Weather Service to improve the Parish's technical infrastructure for forecasting weather-related hazards in the Parish and improve the technical and administrative communication linkages between the Parish and the National Weather Service.	Staff Time	High	1-5 years	1,2,3	St. Charles Parish President's Office, St. Charles Parish DHSEP, NWS	Coastal Hazards, Drought, Excessive Heat, Flooding, Levee Failure, Thunderstorms, Tornadoes, Tropical Cyclones, Wildfires, Winter Weather	Ongoing
Comments: Maintained Storm Ready Status, purchase new weather station, and added HAM radio capabilities to the emergency operations center.								
ES-4: Electrical Infrastructure Procurement	Acquire the necessary infrastructure and equipment to ensure both an uninterrupted power supply at critical Parish facilities and improved surge protection for critical Parish computer and communications equipment.	TBD	High	1-5 years	1,2,3	St. Charles Parish DHSEP	Coastal Hazards, Drought, Excessive Heat, Flooding, Levee Failure, Thunderstorms, Tornadoes, Tropical Cyclones, Wildfires, Winter Weather	Ongoing
Comments: Community Center completed in January 2014, Emergency Operations Center completed in June 2012, East Bank completed in September 2013, Sheriff's office completed, and Library (DSNAP site) install complete. New equipment will be added to critical facilities as technology changes and funding become available.								
ES-5: Emergency Services Technology Improvement	Improve both technological and administrative communication capabilities among fire, police, 911, and other state and local emergency operations through improved planning and the upgrading of communication infrastructure and equipment.	Staff Time	High	1-5 years	1,2,3	St. Charles Parish DHSEP, St. Charles Parish Fire Departments, EMS, & Sheriff's Office	Coastal Hazards, Drought, Excessive Heat, Flooding, Levee Failure, Thunderstorms, Tornadoes, Tropical Cyclones, Wildfires, Winter Weather	Ongoing
Comments: Upgrading of communication infrastructure and equipment will be implemented as technology changes and funding becomes available.								



Appendix A: Planning Process

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

Appendix B: Plan Maintenance

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



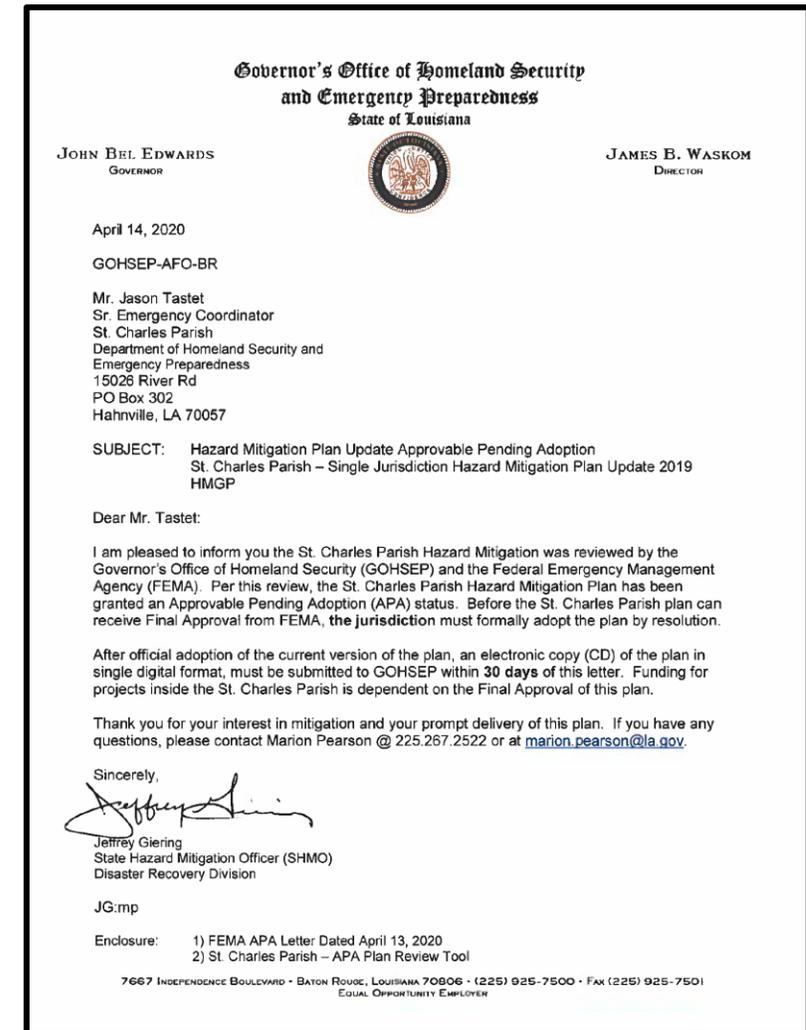
Appendix C: Critical Facilities

- 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

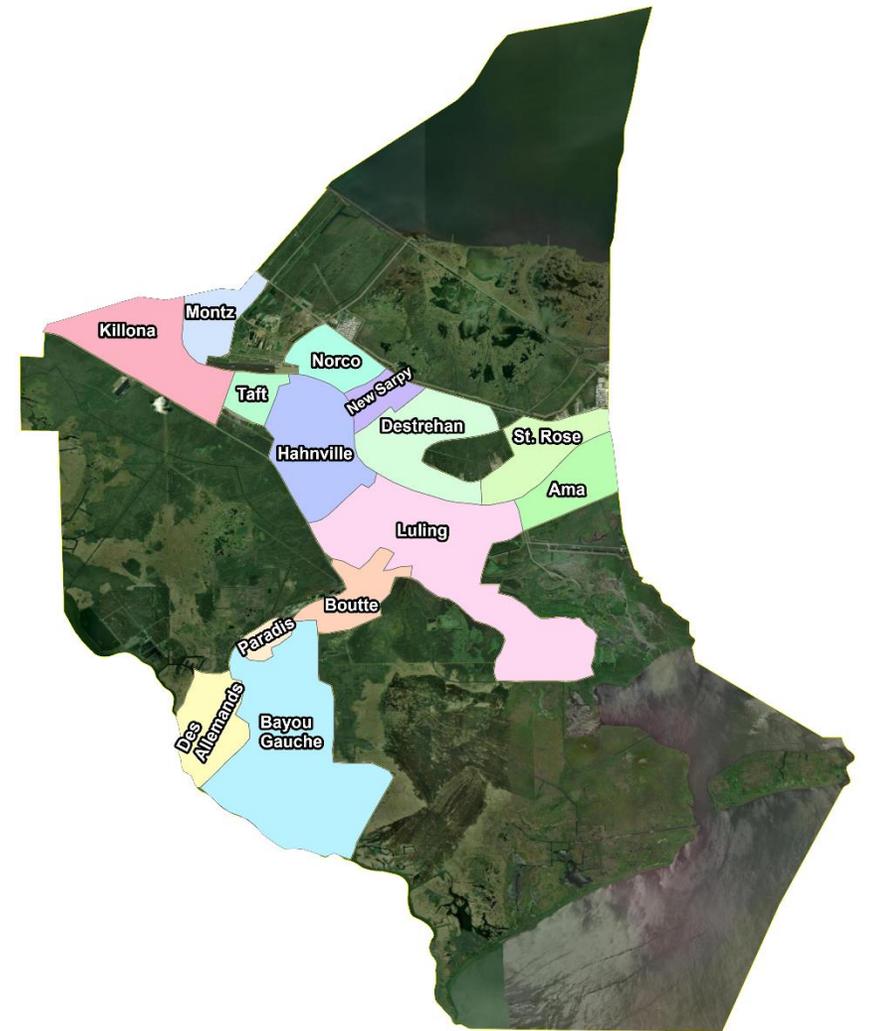
- Parish council resolution must be adopted, signed, and placed into the final planning document
- The formal adoption must take place **AFTER the plan is issued**
APA status



Appendix E: State Required Worksheets

Each jurisdiction **MUST** fill these out:

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



Capability Assessment

Capability Assessment Worksheet - St. Charles 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	Yes	
Stormwater Management Plan	Yes	
Community Wildfire Protection Plan	No	
HHPD Emergency Action Plan	N/A	
Other plans (redevelopment, recovery, coastal zone management)	Yes	Disaster Recovery Plan, Coastal Zone Management
Building Code, Permitting and Inspections	Yes/No	Comments
Building Code	Yes	Sound Infrastructure System
Building Code Effectiveness Grading Schedule (BCEGS) Score	Yes	
Fire Department ISO/PIAL rating	PIAL	Class 3: East St. Charles, Luling, Paradis & St. Rose Class 4: Bayou Gauche, Des Allemands, Hahnville, Killona, & Norco
Site plan review requirements	Yes	
Land Use Planning and Ordinances	Yes/No	Comments
Zoning Ordinance	Yes	
Subdivision Ordinance	Yes	
Floodplain Ordinance	Yes	
Natural Hazard Specific Ordinance (stormwater, steep slope, wildfire)	Yes	Storm Water Management Ordinance, Erosion and Sediment Control, Levee Protection System
Flood Insurance Rate Maps	Yes	
Acquisition of land for open space and public recreation uses	Yes	
Other	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)		
St. Charles Parish		
Insurance Summary		Comments
How many NFIP policies are in the community? What is the total premium and coverage?	11382 policies \$9,878,974 premiums +FPF \$3,559,906,000 coverage	nfip_policy-information-by-state_20240229_0.xlsx (live.com)
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?	4780 claims have been paid Amount paid in claims = \$147,081,596	NFIP claims data lists approx. 108 claims for losses that occurred between 5/1/1978 and 4/6/1983 (other documents & the Planning Administrator say the Parish entered the program 5/1/1983). Staff have not completed a review for how many claims identified substantial [flood] damage.
How many structures are exposed to flood risk with in the community?	12053	7/1/2023 enumeration of buildings in SFHAs identified on effective map
Describe any areas of flood risk with limited NFIP policy coverage.	Belle Ormond Subdivision; Carriage Lane; Southwest Ormond Community; north end of Carolyn Drive (all in Destrehan); Luling Estates Drive (Luling)	There seems to be a lag in the "Active Policies" data for our subdivisions htat are building out: no policies on Belle Ormond Circle or Pretty Acres Ave
Staff Resources		
Is the Community FPA or NFIP Coordinator certified?	Yes	
Is flood plain management an auxiliary function?	No	
Provide an explanation of NFIP administration services (e.g., permit review, GIS, education or outreach, inspections, engineering capability)	CFMs work with private sector--surveyors, property owners, realtors, lenders, and insurance providers to certify flood zones and help in assessing flood risk; with PIO to manage a robust program of public information to all of the above as well as residents of repetitive loss areas; with GIS to maintain flood risk, flood insurance, and flood mitigation datasets including drainage, levees and other protection strucutres.	
What are the barriers to running an effective NFIP program in the community, if any?	Perceived premium increases; perceived inconsistencies with rating premiums; lack of transparency with Risk Rating 2.0 methodology; perceived inconsistencies in enforcement of mandatory purchase requirement; perceived errors in risk assessments and flood risk mapping.	

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



Building Inventory

Building Inventory - St. Charles Parish									
Name of Building	Purpose of Building	Address	City	Latitude	Longitude	Assessed Value	Date Built	Construction Type	Parcel Number
St. Charles Parish Courthouse	Civil Government	15045 River Road	Hahnville	29.96373318	-90.40665852	\$29,301,020.00			100600100147
St. Charles Parish Emergency Operations Center	Civil Government	15026 River Road	Hahnville	29.96398884	-90.40426937	\$5,530,602.00			150600L00001
St Charles Parish East Bank Yard Public Works	Civil Government	168 Troxclair Lane	Destrehan	29.97701729	-90.38904615	\$681,998.00			N/A
St Charles Parish Department of Public Works	Civil Government	14530 River Road	Destrehan	29.97500126	-90.39052151	\$2,469,642.00			302101000005
St. Charles Parish Communications Center	Civil Government	222 Joe Louis Lane	Hahnville	29.96256731	-90.40638233	\$4,074,722.00			N/A
St. Charles Department of Economic Development	Civil Government	15012 River Road	Hahnville	29.96312949	-90.40512503	\$398,973.00			Reference 150600L00001
St. Charles Parish Planning and Zoning Department	Civil Government	14996 River Road	Hahnville	29.96291023	-90.40456626	\$243,546.00			Reference 150600L00001
St. Charles Parish Office of Motor Vehicles	Civil Government	15012A River Road	Hahnville	29.96314255	-90.40514076	\$244,963.00			Reference 150600L00001
St. Charles Parish Council on Aging	Civil Government	282 Judge Edwards Dufresne Parkway	Luling	29.93239434	-90.38545091				15560005A-1A
St. Charles Parish Animal Shelter	Civil Government	921 Deputy Jeff G Watson Drive	Luling	29.93521359	-90.37944108	\$1,837,756.00			15560000001A
Center for Family and Youth Services	Civil Government	13101 River Road	Luling	29.93357692	-90.36001378				N/A
Edward Dufresne Community Center	Civil Government	274 Judge Edwards Dufresne Parkway	Luling	29.93447311	-90.38400789	\$11,096,309.00			155300004B-1
St. Charles Parish School Board	Civil Government	13855 River Road	Luling	29.93866943	-90.38003367				100200006018
Bayou Gauche Volunteer Fire Department	Fire & Search and Rescue	410 1st Street	Des Allemands	29.8061386	-90.42569079	\$2,298,553.00			4034957B-1A1
Des Allemands Volunteer Fire Department - Station 72	Fire & Search and Rescue	16960 US-90	Des Allemands	29.82962847	-90.45892864	\$763,627.00			4003041041-F
East St. Charles Fire Department	Fire & Search and Rescue	14494 River Road	Destrehan	29.97358182	-90.39058283	\$2,464,613.00			302100500009
Hahnville Volunteer Fire Department - Station 31	Fire & Search and Rescue	14890 River Road	Hahnville	29.96009849	-90.40432534	\$573,033.00			1012L2300001
Hahnville Volunteer Fire Department - Station 32	Fire & Search and Rescue	169 Lincoln Street	Hahnville	29.97646622	-90.40900939	\$573,027.00			201700300011
Killona Volunteer Fire Department	Fire & Search and Rescue	216 Adams Street	Killona	30.00159442	-90.48637375	\$239,287.00			100500V00005



Vulnerable Populations

Vulnerable Populations - St. Charles Parish					
All Hospitals (Private or Public)					
Name	Street	City	Zip Code	Latitude	Longitude
St. Charles Parish Hospital - East Bank	13100 River Road	Destrehan	70047	29.94701587	-90.36808149
St. Charles Parish Hospital - West Bank	1057 Paul Maillard Road	Luling	70070	29.9238551	-90.371334
St. Charles Parish Community Health Center	843 Milling Ave	Luling	70070	29.92353781	-90.37031484
Nursing Homes (Private or Public)					
Name	Street	City	Zip Code	Latitude	Longitude
Ormond Nursing and Care Center	22 Plantation Road	Destrehan	70047	29.96658385	-90.37535506
Luling Living Center	1125 Paul Maillard Road	Luling	70070	29.92281784	-90.37262953
Summerhouse Ashton Manner	270 Ashton Plantation Blvd	Luling	70070	29.9313521	-90.3762804
Mobile Home Parks					
Name	Street	City	Zip Code	Latitude	Longitude
Riverland Estates	Bonura Dr	St. Rose	70087	29.9628878	-90.30098985



Appendix F:

Community Rating System (CRS)

- The CRS program is a voluntary, incentive-based program that encourages communities to participate in floodplain management practices.
- Communities that participate in the CRS program can receive flood insurance premium discounts for all NFIP policies, including those outside of the Special Flood Hazard Area (SFHA)
- St. Charles Parish has been a participant in the CRS program since 1991 and currently obtains a Class 7 rating.



Activity 510: Floodplain Management Plan (FMP)

- The FMP is divided into 10 steps. Each step has a different set of tasks/activities to complete in order to receive credit.
- Some of the steps that are included in the FMP will be accomplished with the completion of the Hazard Mitigation Plan.
- The maximum points an FMP can receive is 382.
- St. Charles Parish is responsible for facilitating all meetings and data collection that is involved with the completion of the FMP.



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://lsu.qualtrics.com/jfe/form/SV_0xfGyPobXEId7BI



SDMI Hazard Mitigation Website

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



The screenshot displays the SDMI Hazard Mitigation website for St. Charles Parish. The header includes the LSU Stephenson Disaster Management Institute logo and navigation links for "SDMI HOME", "f", and "t". The main navigation bar features "HAZARD MITIGATION" and sub-links for "Intro", "Events", "FEMA Resources", "Parish Plans", and "Settings". The page title is "St. Charles Parish" with a "PLAN DUE DATE: MAY 20 2025".

The "DEVELOPMENT STATUS" section shows a progress bar with four stages: "PLAN DEVELOPMENT", "PLAN REVIEW", "PLAN ADOPTION", and "COMPLETED". The "PLAN DEVELOPMENT" stage is highlighted in yellow and includes a "KICKOFF MEETING FEB 2024". The other stages are in purple and marked "TBD".

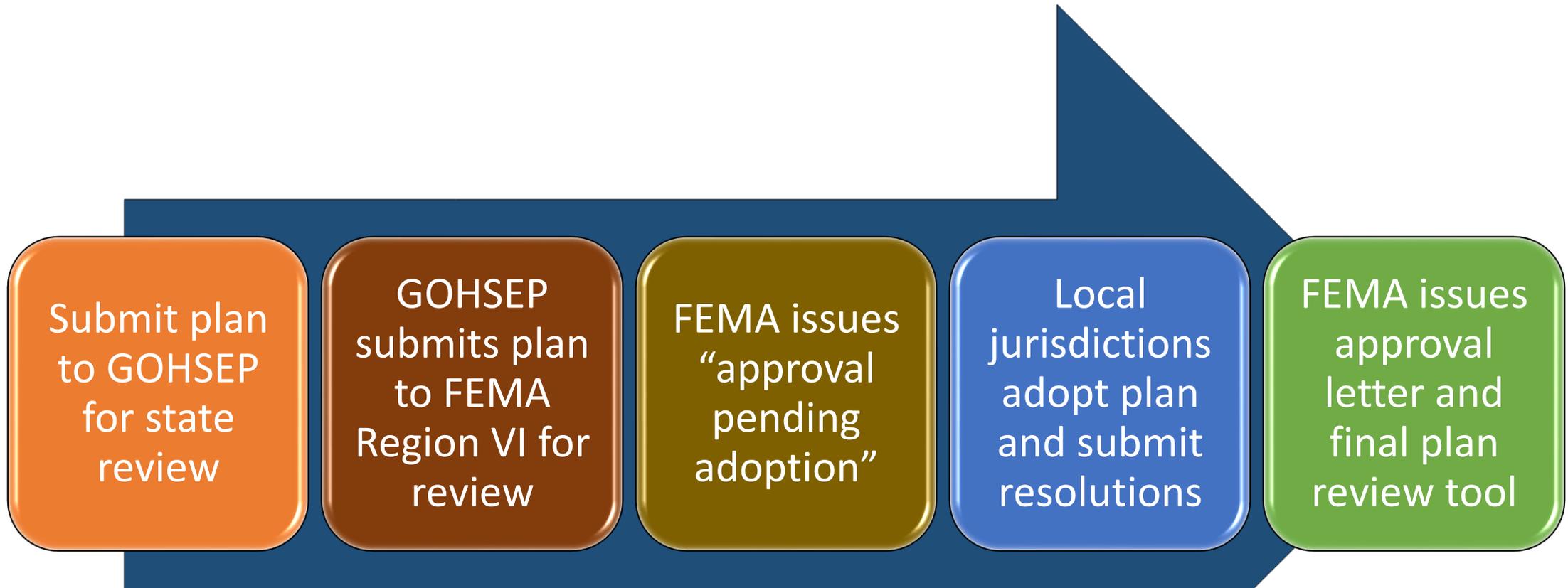
The "PARTICIPATING JURISDICTIONS" section lists "St. Charles Parish, Unincorporated Areas".

The "EVENTS" section lists two meetings:

DATE	EVENT	LOCATION	TIME
FEB 20	2025 SCP KICKOFF MEETING	Hahnville, LA	09:00 AM - 10:30 AM 2/20/2024
APR 9	2025 SCP INITIAL PLANNING COMMITTEE MEETING	Hahnville, LA	09:00 AM - 11:00 AM 4/9/2024

The footer includes the LSU logo, contact information for the Stephenson Disaster Management Institute (Louisiana State University, Louisiana Emerging Technology Center, Baton Rouge, LA 70803, 225.578.0238 Voice, 225.578.8741 Fax, sdmi@lsu.edu), and a copyright notice for 2024.

Plan Approval Process



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



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
- 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

Brant Mitchell, Director, CEM

bmitch9@lsu.edu

(225) 578-5939

Chris Rippetoe, HM Project Manager, CFM

crippe2@lsu.edu

(225) 578-6667

Jason Martin, Emergency Management Analyst

jmar293@lsu.edu

(225) 578-6264



