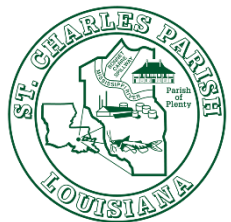




St. Charles Parish Hazard Mitigation Plan Update Initial Planning Meeting

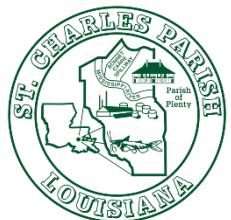
April 9th, 2024

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



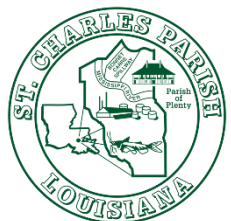
Who is SDMI?

- 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



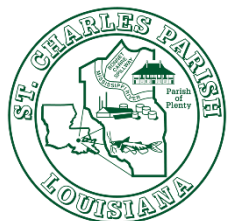


The Hazard Mitigation Plan: What is in it for us?



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

CODE OF FEDERAL REGULATIONS

44

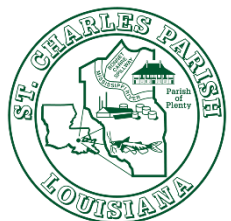
Revised as of October 1, 2018

Emergency Management
and
Assistance

- 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

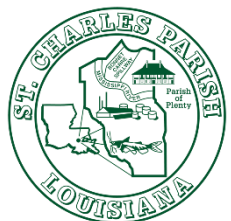




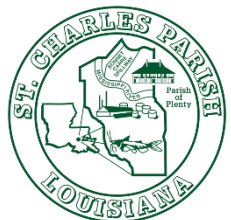
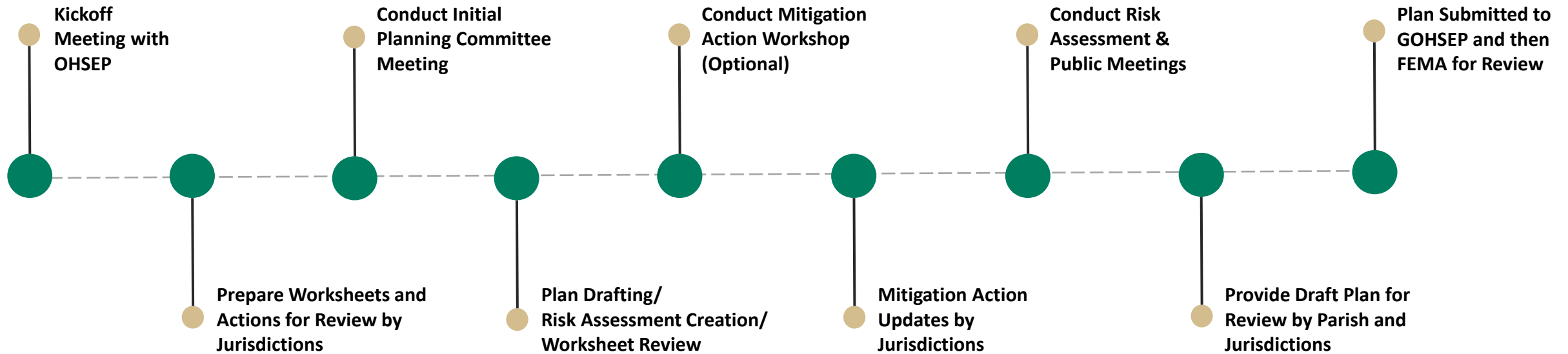
Hazard Mitigation Planning is a process that identifies natural hazard risks and develops strategies to reduce these risks.



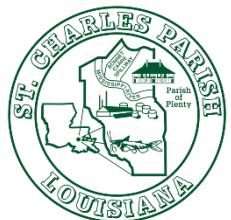
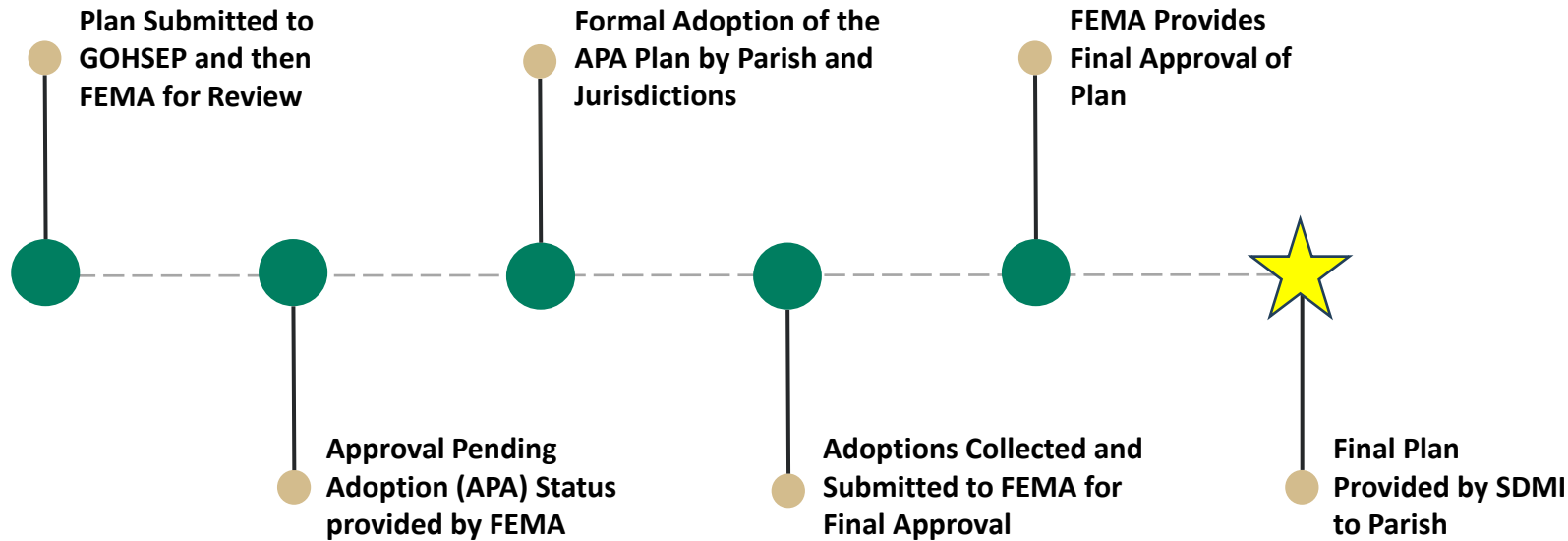
Plan Update Process



Plan Update Process Timeline

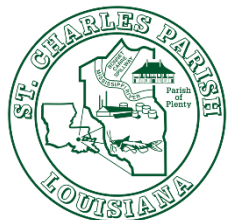


Plan Approval Timeline



Planning Committee Expectations

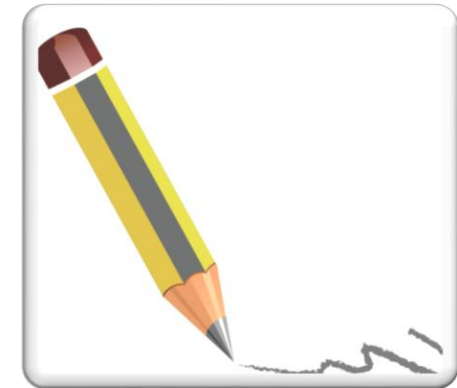
- Parish will serve as the main liaison/POC throughout the planning process
- Parish **MUST** show active participation in the planning process by the following:
 - Completing state required worksheets;
 - Identifying and updating specific mitigation actions (projects);
 - Have representation at meetings;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



2025 ST. CHARLES PARISH HAZARD MITIGATION PLAN

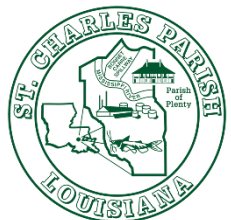


Plan Development



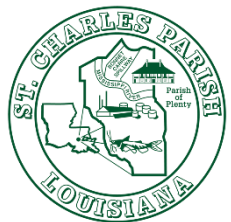
Plan Layout

- **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



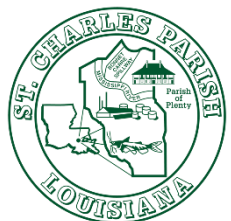
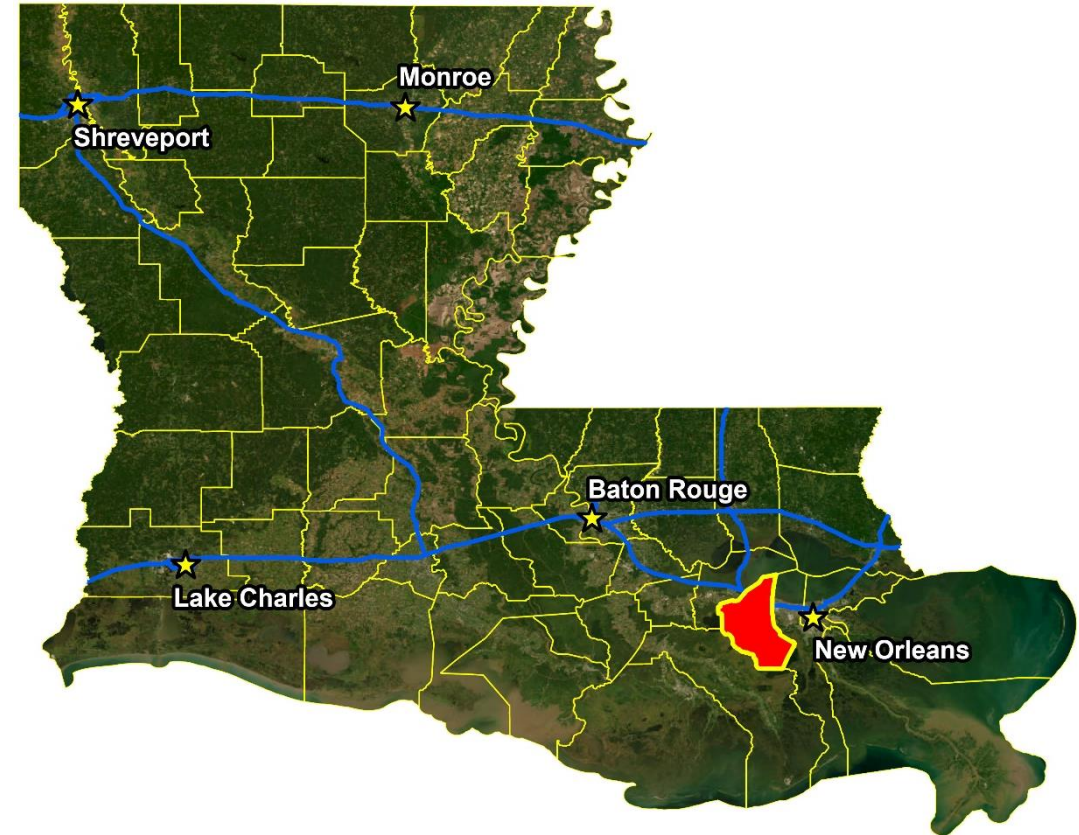
Plan Layout

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



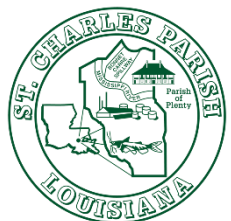
Section 1: Introduction

- 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



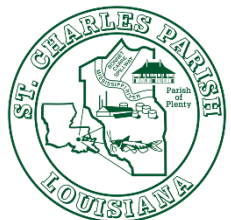
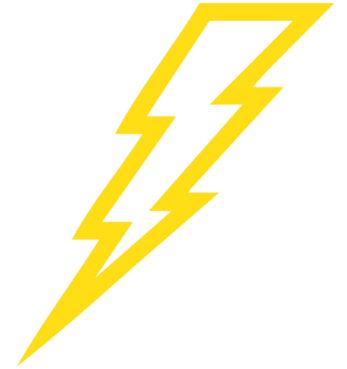
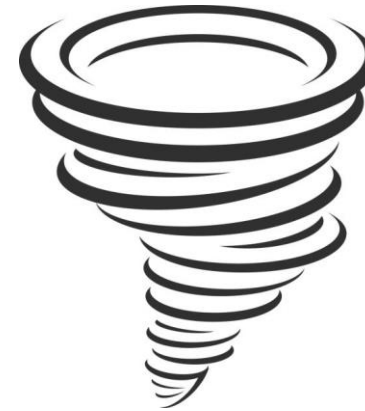
Section 2: Hazard Identification and Risk Assessment

- 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

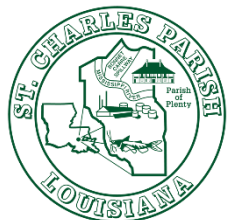
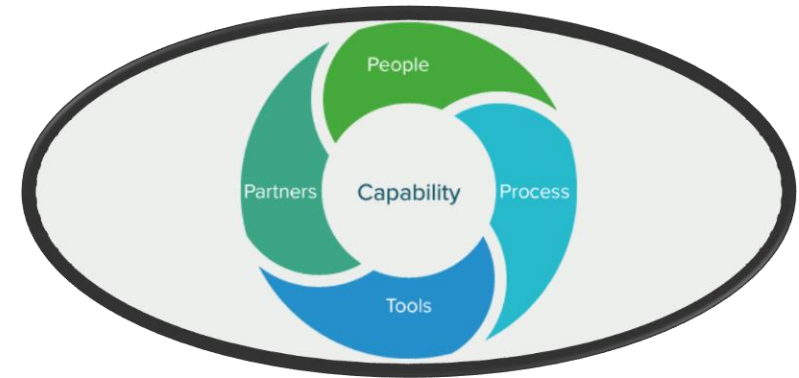
- Coastal Hazards*
- Drought
- Excessive Heat
- Flooding
- Levee Failure
- Thunderstorms
- Tornadoes
- Tropical Cyclones
- Wildfires
- Winter Weather



Section 3: Capability Assessment

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

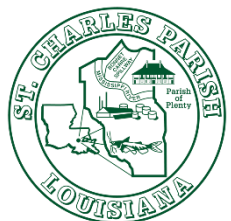
- Planning and Regulatory
- Administrative and Technical
- Financial
- Educational and Outreach



Section 4: Mitigation Strategies

Goals & Objectives

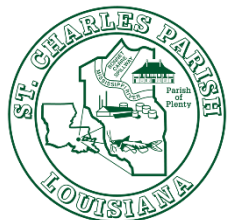
1. Reduce losses to existing and future property due to hazards
 1. Target FEMA/NFIP repetitive loss structures for property protection measures
 2. Evaluate existing regulations that might impact the vulnerability of property and persons to hazards and how well those regulations are enforced
 3. Improve 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 provides 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 provides during hazard events



-
- An aerial photograph of a FEMA facility, likely a water treatment plant or pump station. The facility consists of a large, light-colored industrial building with a flat roof and several windows. To the left of the building is a body of water with a circular structure, possibly a clarifier or aeration tank. In the foreground, there is a large, dark, rectangular gate or barrier structure partially submerged in the water. A paved area with several vehicles, including a white pickup truck and a white van, is visible near the building. A tall antenna tower stands in the background. The FEMA logo is visible in the bottom right corner.

[illegible]

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



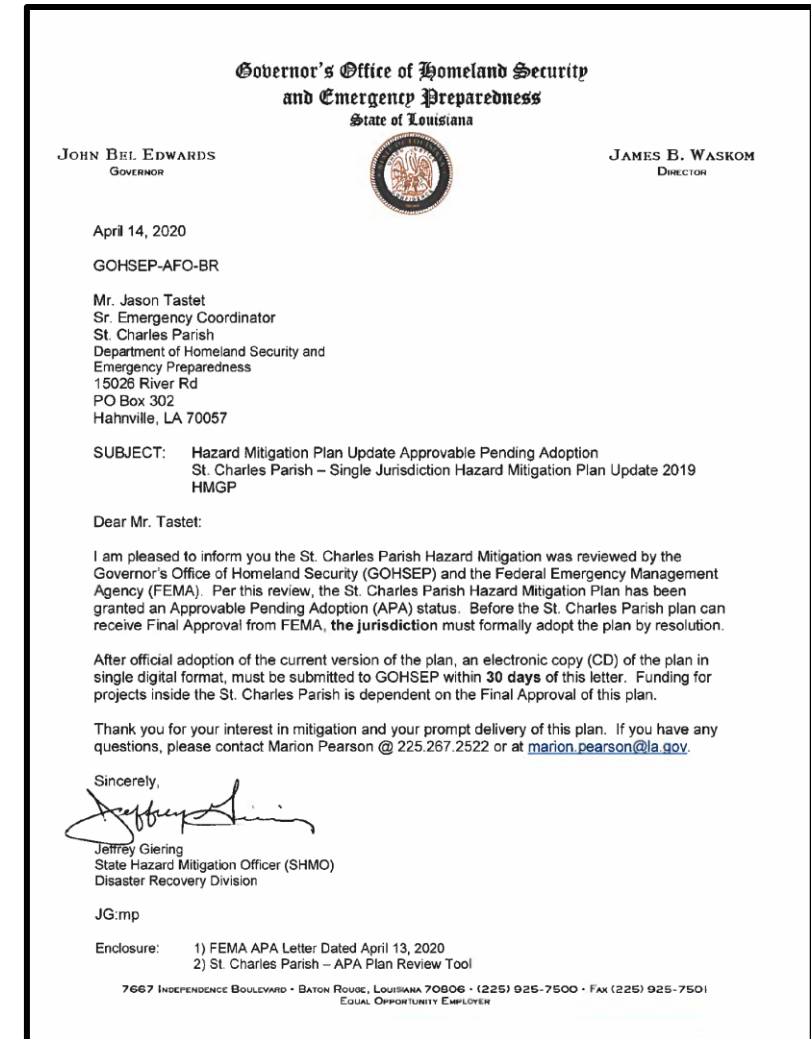
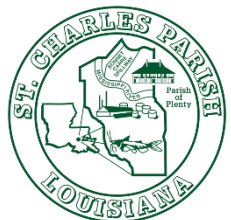
Appendix C: Critical Facilities

- 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

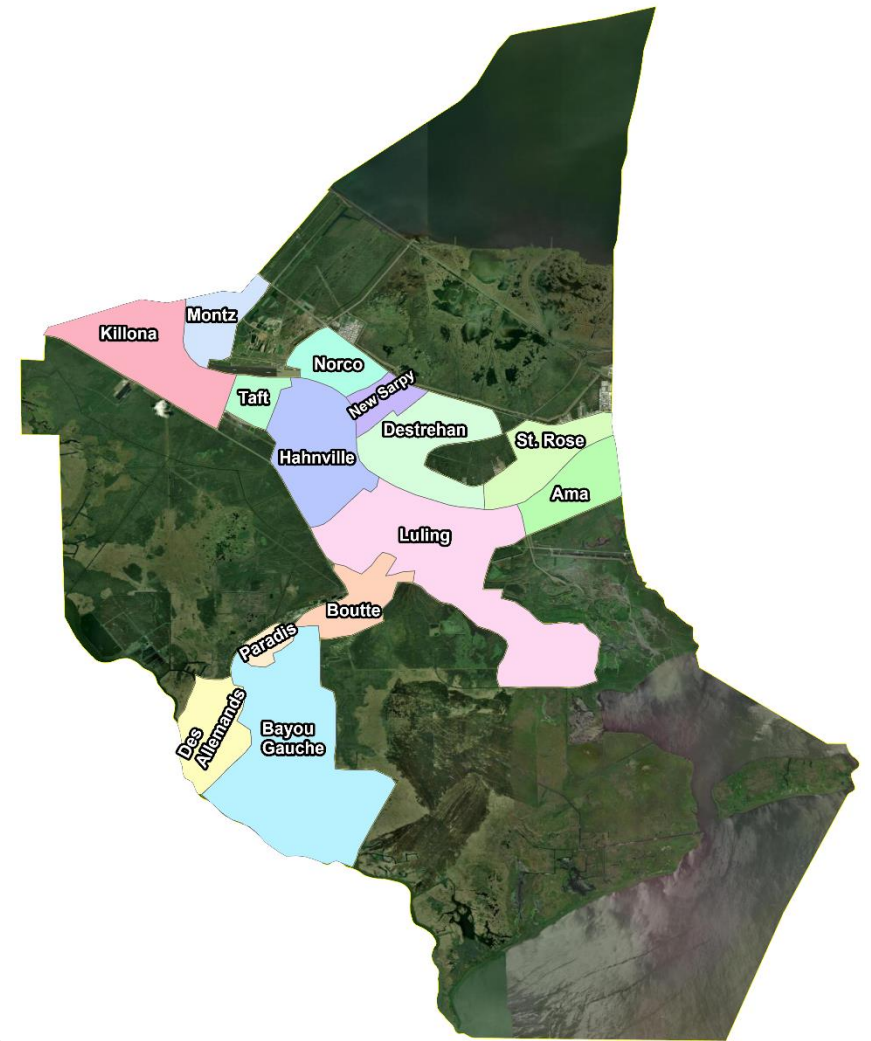
- Parish council resolution must be adopted, signed, and placed into the final planning document
- The formal adoption must take place **AFTER the plan is issued**
APA status



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, 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.		
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

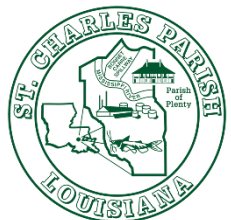
Insurance Summary		Comments
How many NFIP policies are in the community? What is the total premium and coverage?	11382 policies \$9,878,974 premiums +FPF \$3,559,906,000 coverage	nfip_policy-information-by-state_20240229_0.xlsx (live.com)
How many claims have been paid in the community? What is the total 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



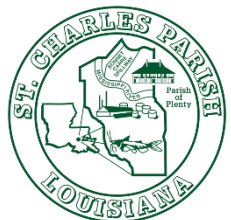
Building Inventory

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

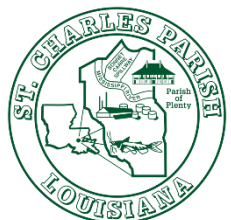
Vulnerable Populations - St. Charles Parish					
All Hospitals (Private or Public)					
Name	Street	City	Zip Code	Latitude	Longitude
St. Charles Parish Hospital - East Bank	13100 River Road	Destrehan	70047	29.94701587	-90.36808149
St. Charles Parish Hospital - West Bank	1057 Paul Maillard Road	Luling	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)

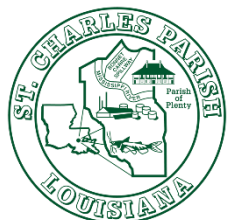
- The CRS program is a voluntary, incentive-based program that encourages communities to participate in floodplain management practices.
- Communities that participate in the CRS program can receive flood insurance premium discounts for all NFIP policies, including those outside of the Special Flood 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)

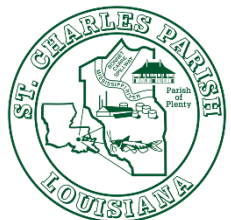
- The FMP is divided into 10 steps. Each step has a different set of tasks/activities to complete in order to receive credit.
- Some of the steps that are included in the FMP will be accomplished with the completion of the Hazard Mitigation Plan.
- The maximum points an FMP can receive is 382.
- St.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



Parish Mitigation Survey

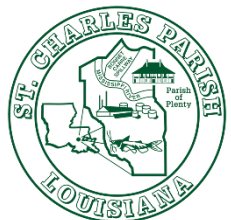
- Collects information from citizens regarding their perceptions of local hazards and mitigation efforts
- Results will be included in the plan if there are enough responses

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>



LSU | Stephenson Disaster Management Institute

SDMI HOME  

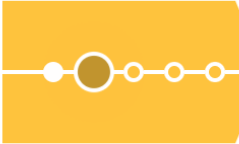
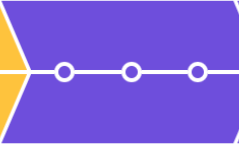
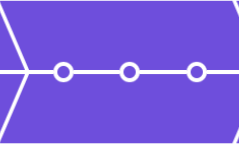
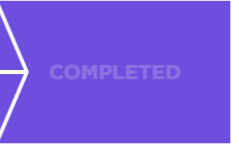
HAZARD MITIGATION

Intro Events FEMA Resources **Parish Plans** Settings

St. Charles Parish



PLAN DUE DATE:
MAY 20 2025

DEVELOPMENT STATUS

PLAN DEVELOPMENT	PLAN REVIEW	PLAN ADOPTION	COMPLETED
			
KICKOFF MEETING FEB 2024	TBD	TBD	TBD

PARTICIPATING JURISDICTIONS

- St. Charles Parish, Unincorporated Areas

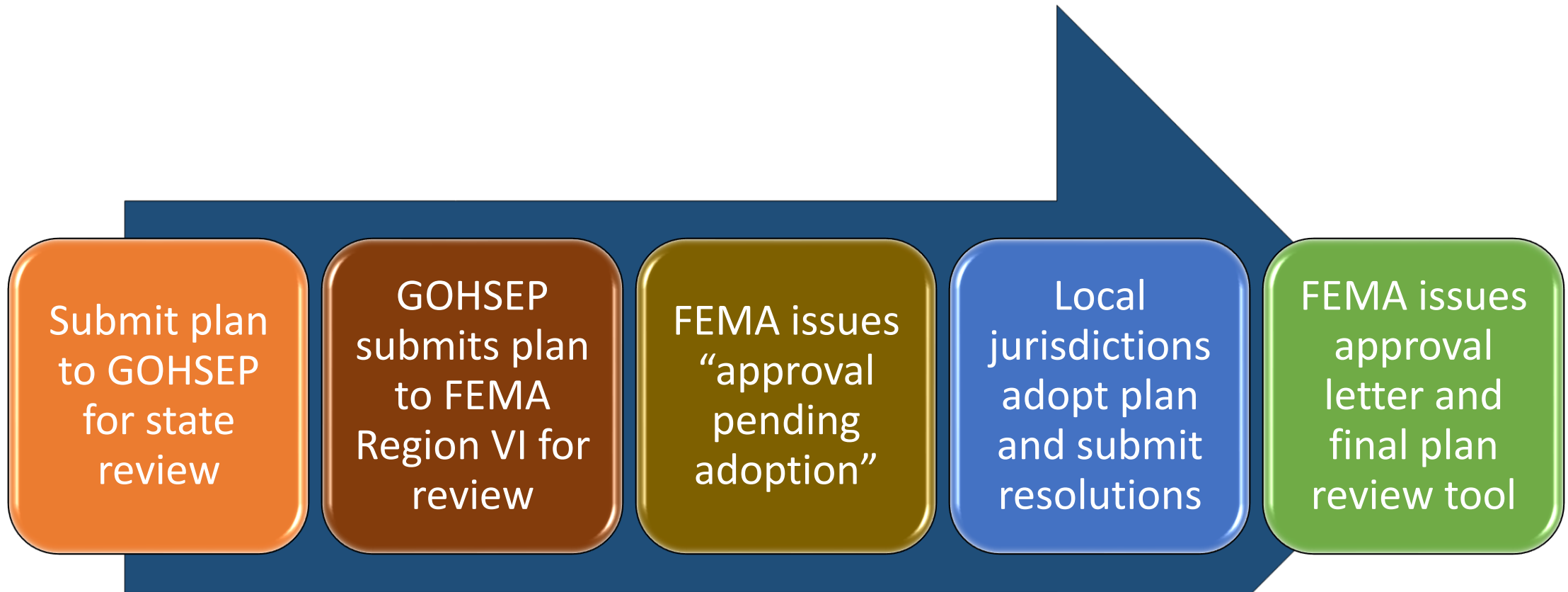
FEB 20	2025 SCP KICKOFF MEETING Hahnville, LA 09:00 AM - 10:30 AM 2/20/2024	
APR 9	2025 SCP INITIAL PLANNING COMMITTEE MEETING Hahnville, LA 09:00 AM - 11:00 AM 4/9/2024	

LSU

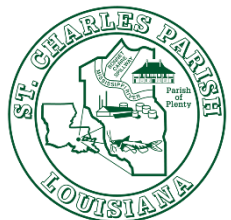
Stephenson Disaster Management Institute • Louisiana State University
Louisiana Emerging Technology Center • Baton Rouge, LA 70803
225.578.0238 Voice • 225.578.8741 Fax
sdmi@lsu.edu

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Plan Approval Process

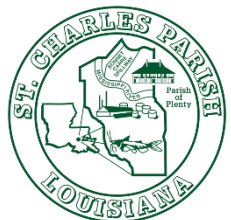


The plan will be subject to revisions as it moves through the review process.



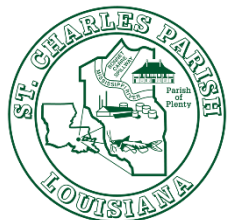
The Final Product

- **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



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