



# *The City of Slidell*

## PLANNING DEPARTMENT

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### **Update on the Hazard Mitigation Plan Progress**

The City of Slidell participates in hazard mitigation planning with the Parish and other incorporated areas in the Parish. Under the Disaster Management Act and as part of our participation in the National Flood Insurance Program and the CRS (Community Rating System) program, we must provide an annual progress report on the implementation of the Hazard Mitigation Plan action items in Slidell.

The Hazard Mitigation Plan was adopted by the Parish in 2000 and undergoes recurring updates. It includes a list of actions for Slidell, including:

#### Ongoing projects:

- The W-14 Pumping Station
- The Levee for Slidell, which is partially completed
- Bayou Patassat Drainage Canal improvements
- Elevation of homes that have flooded multiple times
- Drainage improvements for Pontchartrain Drive
- Audubon ditch drainage improvements
- Breckenridge ditch improvements
- Carollo Drive drainage improvements
- Rue Miramon drainage improvements
- Lindberg Dr. drainage improvements
- The W-14 / W-15 detention pond
- Mitigation public outreach programs
- Dellwood pump station improvements
- Sewer system improvements for Hermandel Subdivision
- Construction of a City safe room
- Gause Blvd. / Robert Blvd. Drainage Improvements
- North Blvd. Road Elevation
- Beechwood / Walnut St. Drainage Improvements
- W-15 Canal Improvements
- Development of a Stormwater Master Plan
- Review and Update of Storm water Ordinances and Design Manual
- Emergency Generator Procurement/ Installation
- Drought education program development
- Education about lightning hazards
- Identification of Critical Infrastructure Vulnerable to Lightning and Installation of Lightning Rods

- Cleaning / Snagging Bayou Vincent
- Flood Mitigation at Palm Lake
- Dellwood Pump Station Hardening
- Lee St Pump Station Hardening
- Residential Buyout and Canal Widening for the W-14
- Detention Pond Improvements
- Culvert Replacement leading to the W-14
- Culvert Upgrade on Bonfouca near Palm Lake
- Master Drainage Plan
- Enhanced Mitigation Outreach and Education for All Hazards
- Creating redundancies in the potable water supply system
- Flood Proofing Projects for Critical Facilities
- Road Elevation
- Pumping Station Projects
- Communication System Upgrades
- Water Conservation Measures

Completed projects:

- Adoption of International Building Codes and Regulation of New Development

More detail on each project shown on the following pages.



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 Director of Planning

Jurisdiction Specific Action	Action Description	Funding Source	Timeframe	Responsible Party, Agency, or Department	Hazard	Status	Notes
W-14 Pumping Station Construction	Construct a pumping station at the mouth/terminus of the W-14 Drainage Canal. A pump at the mouth of the W-14 would allow water to continue to be pumped out of the city even when the Lake is full and will impede back flooding.	Federal, State, Local	1-5 Years	City of Slidell Mayor's Office	Tropical Cyclone, Flooding	Ongoing	
Levee Protection Project	Construct a Levee or Flood Wall paralleling the Norfolk-Southern railroad tracks from its intersection with the Schneider Canal Levee to Gause Blvd. US HWY 11 Segment has been completed.	Federal, State, Local	1-5 years	City of Slidell, Mayor's Office	Tropical Cyclone, Flooding, Levee Failure	Ongoing/partially Completed	
Bayou Patassat Improvements	Bayou Patassat Drainage Canal needs to be reshaped. The channel needs to be reshaped and smoothed so the water is effectively and efficiently conveyed to the pumps upgraded from the last hazard mitigation plan and discharged into Bayou Bonfouca. Additionally, the subsurface section of the channel should be removed and upgraded to match the increase in capacity for the reshaped sections.	Federal, State, Local	1-5 years	City of Slidell, Mayor's Office	Tropical Cyclone, Flooding	Ongoing	

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Elevation of Severe Repetitive Loss and Repetitive Loss Structures	Homes outside levee protection need to be elevated above the City of Slidell's Design Flood Elevation (DFE). The majority of the City's residences were built pre-FIRM. Approximately 973 repetitive loss homes have not yet been elevated.	Federal	1-5 Years	City of Slidell, Mayor's Office	Tropical Cyclone, Flooding	Ongoing	
Pontchartrain Drive Drainage Improvements	Pontchartrain Drive is an older commercial corridor. Drainage along the corridor was constructed and modified in a piecemeal fashion spanning decades. These factors have combined to create a drainage system that struggles to handle heavy rain events because the system's slope is not uniform, the channel is not straight, and the water has a long way to travel until it is safely discharged into Lake Pontchartrain. During events the system becomes overwhelmed and adjacent properties are flooded.	Federal, State, Local	1-5 years	City of Slidell, Mayor's Office	Tropical Cyclone, Flooding	Ongoing	
Audubon Ditch Drainage Improvement	Improving the shape and slope of the Audubon ditch and removing debris and other obstructions would allow storm water to move quicker and more efficiently from the neighborhoods and out of the city, thereby reducing the threat of flooding during storm events.	Federal, State, Local	1-5 years	City of Slidell, Mayor's Office	Tropical Cyclone, Flooding	Ongoing	
Breckenridge Ditch Improvements	The Breckenridge ditch discharges first into a detention pond then into the W15. Improving the Breckenridge ditch design and	Federal, State, Local	1-5 years	City of Slidell, Mayor's office	Tropical Cyclone, Flooding	Ongoing	

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	removing debris and other obstructions would allow storm water to move quicker and more efficiently from the neighborhoods and out of the city, thereby reducing the threat of flooding during storm events.						
Carollo Drive Drainage Improvements	Improving the Carollo Drainage, especially the detention pond, would allow for the capture and controlled release of storm and flood water during storm events, thereby reducing the threat of flooding.	Federal, State, Local	1-5 Years	City of Slidell, Mayor's Office	Tropical Cyclone, Flooding	Ongoing	
Rue Miramon Drainage Improvements	Improving the Rue Miramon drainage system is key to removing storm water from the Bon Village subdivision and reducing flooding on Gause Blvd.	Federal, State, Local	1-5 Years	City of Slidell, Mayor's Office	Tropical Cyclone, Flooding	Ongoing	
Lindberg Dr. Drainage Improvements	This project would redesign and improve the affected sections of these drainage canals, especially where they converge.	Federal, State, Local	1-5 Years	City of Slidell, Mayor's Office	Tropical Cyclone, Flooding	Ongoing	
W-14 / W-15 Detention Pond	Failure of this node has led to overtopping of the canal and ditch and flooding of nearby homes and businesses. Creation of a detention pond and controlled release of storm/floodwaters at this point in City's drainage system would provide for temporary relief during a storm or flood event.	Federal, State, Local	1-5 Years	City of Slidell, Mayor's Office	Tropical Cyclone, Flooding	Ongoing	

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Mitigation Public Outreach Program	Enhance the public outreach programs for the parish and all jurisdictions by increasing awareness of risks and safety as well as providing information on high risk areas. Educating citizens on proper mitigation efforts will create resiliency within the parish	FEMA HMGP	Ongoing	City of Slidell, Mayor's Office	Flooding, Wind, Hail, Lightning, Tornado, Tropical Cyclone, Wildfire, Termites, Fog	Ongoing	
Pump Station Improvements	Dellwood Storm water Pump Station Improvements.	Local, FEMA	1-5 Years	City of Slidell, Mayor's Office	Tropical Cyclone, Flooding	Ongoing	
Sewer System Improvement	Hermadel Subdivision Storm Sewer System.	Local, FEMA	1-5 Years	City of Slidell, Mayor's Office	Tropical Cyclone, Flooding	Ongoing	
Safe Room	Construct safe room for City of Slidell to utilize during major tornado and wind events.	Local	1-5 Years	City of Slidell, Mayor's Office	Tornado, Wind	In Progress	
Drainage Improvements	Gause Boulevard and Robert Road Intersection Drainage Improvements.	Local, LA DOTD	1-5 Years	City of Slidell, Mayor's Office	Tropical Cyclone, Flooding	Ongoing	
Road Elevation	North Boulevard Roadway Elevation.	Local	1-5 Years	City of Slidell, Mayor's Office	Tropical Cyclone, Flooding	Ongoing	
Drainage Improvements	Beechwood Street/Walnut Street Drainage Improvements.	Local, FEMA	1-5 Years	City of Slidell, Mayor's Office	Tropical Cyclone, Flooding	Ongoing	

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Canal Improvements	W-15 Canal Improvements.	Local, STP	1-5 Years	City of Slidell, Mayor's Office	Tropical Cyclone, Flooding	Ongoing	
Stormwater Master Plan	Development of a Comprehensive Storm water Master Plan.	Local	1-5 Years	City of Slidell, Mayor's Office	Tropical Cyclone, Flooding	Ongoing	
Ordinance Improvements	Review and Update of Storm water Ordinances and Design Manual.	Local, FEMA	1-5 Years	City of Slidell, Mayor's Office	Tropical Cyclone, Flooding	Ongoing	
Generator Procurement/ Installation	Purchase and Installation of Emergency Generators at Key Facilities.	Local, State, FEMA	Ongoing	City of Slidell, Mayor's Office	Tropical Cyclone, Flooding, Wind, Lightning, Tornado	Ongoing	
Drought education program development	Development of a Public Education Outreach on Water Conservation Measures.	Local, FEMA	Ongoing	City of Slidell, Mayor's Office	Drought	Continuous	
Lightning Education	Development of a Public Education Outreach on Lightning Dangers.	Local	Ongoing	City of Slidell, Mayor's Office	Tropical Cyclone, Flooding	Continuous	
Lightning Mitigation	Identification of Critical Infrastructure Vulnerable to Lightning and Installation of Lightning Rods.	Local, FEMA	Ongoing	City of Slidell, Mayor's Office	Tropical Cyclone, Lightning	Continuous	
Bayou Improvements	De-snag and clean Bayou Vincent. The portion from Hwy 190/Gause BLVD West northward to I-12 still needs to be cleaned.	N/A	Ongoing	City of Slidell, Mayor's Office	Tropical Cyclone, Flooding	Ongoing	

Jurisdiction Specific Action	Action Description	Funding Source	Timeframe	Responsible Party, Agency, or Department	Hazard	Status	Notes
Flood Mitigation	Elevate the low spot near Palm Lake on Bonfouca Drive.	N/A	Ongoing	City of Slidell, Mayor's Office	Tropical Cyclone, Flooding	Ongoing	
Dellwood Pump Station Hardening	Construct Bar Screen and Rakes.	Federal, State, Local	1-5 Years	City of Slidell, Mayor's Office	Tropical Cyclone, Flooding	Ongoing	
Lee St Pump Station Hardening	Construct Bar Screen and Rakes.	Federal, State, Local	1-5 Years	City of Slidell, Mayor's Office	Tropical Cyclone, Flooding	Ongoing	
Residential Buyout and Canal Widening (W-14)	Purchase properties along W-14 canal and widen canal.	Federal, State, Local	1-5 Years	City of Slidell, Mayor's Office	Tropical Cyclone, Flooding	Ongoing	
Detention Pond Improvements	Modify weir and pond to help conveyance of water into the pond.	Federal, State, Local	1-5 Years	City of Slidell, Mayor's Office	Tropical Cyclone, Flooding	Ongoing	
Culvert Replacement	Replace bridge to all for better conveyance in the W-14 canal.	Federal, State, Local	1-5 Years	City of Slidell, Mayor's Office	Tropical Cyclone, Flooding	Ongoing	
Culvert Upgrade	Upgrade the culvert on Bonfouca Drive near Palm Lake.	N/A	Ongoing	City of Slidell, Mayor's Office	Tropical Cyclone, Flooding	Ongoing	
Master Drainage Plan	Develop a master drainage plan which will evaluate drainage projects at major drainage laterals to determine best method of increasing drainage capacity.	City Budget	Ongoing	City of Slidell, Mayor's Office	Tropical Cyclone, Flooding	Ongoing	



Jurisdiction Specific Action	Action Description	Funding Source	Timeframe	Responsible Party, Agency, or Department	Hazard	Status	Notes
	Implement recommended projects resulting from drainage plan.						
Enhanced Mitigation Outreach and Education for All Hazards	Increase public awareness of hazards and hazardous areas. Actions may include distribution of public awareness information regarding all hazards and potential mitigation measures; implementation of educational program for children and merchants; Integrate emergency preparedness and mitigation into the public school curriculum, providing public education on the importance of maintaining the ditches, promotion of the purchase of flood insurance for public. Sponsor a "MultiHazard Awareness Week", to educate the public on all hazards.	HMGP, Federal	1-5 Years	City of Slidell, Mayor's Office	Flooding, Thunderstorms, Tornadoes, Tropical Cyclones, Coastal Hazards, Drought, Fog, Termites, Wildfires	Ongoing	
Potable Water	Create redundancy of potable water supply to critical facilities, and provide protection of potable water supply by acquisition/installation of backflow preventers at appropriate critical locations.	HMGP, Federal	1-5 Years	City of Slidell, Mayor's Office	Flooding, Thunderstorms, Tornadoes, Tropical Cyclones	Ongoing	
Flood Proofing Projects	Flood-proof critical structures within Slidell to help promote continuation of critical services during a storm event.	HMGP, Federal	1-5 Years	City of Slidell, Mayor's Office	Tropical Cyclones, Flooding	Ongoing	
Road Elevation	Elevate roads in vulnerable locations prone to flooding and drainage problems.	HMGP, Federal	1-5 Years	City of Slidell, Mayor's Office	Tropical Cyclones, Flooding	Ongoing	

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Pumping Station Projects	Elevate or flood proof pump stations; upgrade existing pump stations by installing block valves to prevent/protect against backwater.	HMGP, Federal	1-5 Years	City of Slidell, Mayor's Office	Tropical Cyclones, Flooding	Ongoing	
Communication System Upgrades	Implement upgrades and additions to communications systems, including the Auto call out system. Implement a public notification system, such as sirens or a call down system with backup capabilities.	HMGP, Local, Regional, and Federal	1-5 years	City of Slidell, Mayor's Office	Flooding, Thunderstorms, Tornadoes, Tropical Cyclones, Wildfire, Fog	Ongoing	
Adoption of International Building Codes and Regulation of New Development	Adopt the current International Building Codes by ordinance, which would result in additional techniques to harden structures and mitigate against damage from hazards.	HMGP, Local	1-5 Years	St Tammany Parish Government / Slidell Mayor's Office	Coastal Hazards, Flooding, Tropical Cyclone, Termites, Tornadoes, Thunderstorms, Wildfires	Complete	
Water Conservation Measures	Adopt ordinances requiring water-saving measures in time of drought.	HMGP, Local	1-5 Years	St Tammany Parish Government / Slidell Mayor's Office	Drought	Ongoing	