



## Memorandum

**To:** Mayor Donald J. Villere  
Mandeville City Council

**From:** Louissette L. Scott, AICP, CFM, Director, Dept. of Planning and Development  
/Floodplain Administrator *LS*

**Subject:** 2015 Hazard Mitigation Plan Implementation – CRS Progress Report

**Date:** July 22, 2020

The City Council of the City of Mandeville adopted Resolution 15-33, on June 11, 2015, which adopted the *St. Tammany Parish Hazard Mitigation Update - 2015*. The *Plan* instructs the Floodplain Administrator to continue monitoring implementation of the *Plan Update* and prepare a written progress report to the Mayor and City Council each year. This memo (w/attachments) is the annual progress report through July 31, 2020. This is the final progress report for the 2015 Hazard Mitigation Plan.

As part of the requirements in participating in the Community Rating System (CRS), the City receives credit for distributing the report to the media and making it available to the public. The report will be sent to the City's Journal of Record (St. Tammany Farmer) and is also available for review at City Hall, 3101 East Causeway Approach. A notice of its availability will also be posted on the City's website.

### Background

The *St. Tammany Parish Hazard Mitigation Update – 2015* was coordinated by the St. Tammany Parish Hazard Mitigation Plan Update Steering Committee, in collaboration with community stakeholders and the general public. The Plan (a) documents the St. Tammany Parish Hazard Mitigation Plan Update (HMPU) process; (b) identifies natural hazards and risks within the parish; and (c) identifies the parish's hazard mitigation strategy to make St. Tammany Parish less vulnerable and more disaster resilient. It also includes mitigation project scoping to further identify scopes of work, funding sources, and implementation timing requirements of proposed selected mitigation projects. Information in the plan is used to help guide and coordinate mitigation and local policy decisions affecting future land use.

Every community faces different hazards and every community has different resources and interests to address its challenges. For Mandeville, the *Plan* reviews a variety of measures that can reduce the problems and/or protect people and property when flooding occurs. Measures include maintenance on drainage systems, upgrading the storm drainage system, maintenance of right-of-ways, floodproofing, elevation of SRL/RL structures, wind retrofit of public buildings, building regulations and public information. The *Plan* includes thirty-three (33) action items specific to Mandeville to help reduce or prevent flood damage.

The Disaster Mitigation Act (DMA 2000) requires State and local governments to prepare and update Hazard Mitigation Plans (HMP) every five (5) years. The 2015 HMP expires this year, and currently, St Tammany Parish is in the process of updating the *St. Tammany Hazard Mitigation Plan Update – 2020*. Mandeville is one of many communities participating in this multi-jurisdictional plan. The 2020 draft plan has been submitted to GOHSEP and expected to be completed this fall, 2020.

**A review of the *Plan's* action items:**

The thirty-three (33) action items identified in the Plan (HMP Section 4-29, Table 8) are attached. Each Action item includes an *Action Description, Funding Source, Target Completion Date, Responsible Party Agency, or Department, Hazard, Goal and Status*.

**Action Item Status:**

Of the thirty-three (33) action items, eighteen (18) are ongoing, annual or maintenance activities and fifteen (15) have been completed. In summary, some of the ongoing action items and completed action items are listed below.

- Ongoing Action Items include: Elevation of SRL/RL Structures, Sewerage Treatment Plant Flood Mitigation, Wind Retrofit of public buildings, Cypress Swamp Coastal Restoration and Armoring, Flow Capacity for Storm Water, Participation in FEMA Grant Programs, CRS rating.
- Completed Action Items include: Monroe St. Drainage, Madison St. Drainage, Development of a Master Drainage Plan, Tammany Trace Drainage, Back Up Power Supply/Generators to critical facilities, and roadway drainage projects.

The City has completed or are implementing 100% of the *Plan's* recommendations

**Recommendations:**

1. City staff should continue implementing the *Plan's* ongoing Action Items.
2. The City should continue its participation in the Regional Planning Commission and work with neighboring communities to reduce stormwater and drainage problems that cross corporate boundaries.

Section 4-29, Table 8

STP Natural Hazards Mitigation Plan - 2015 Update  
 Action Items  
 Progress  
 2019-2020 Annual  
 Report

**Mitigation Actions**

Action	Action Description	Funding Source	Target Completion Date	Responsible Party, Agency, or Department	Hazard	Goal	Status
<b>Mitigation Actions for City of Mandeville</b>							
MAN1: Elevation of Severe Repetitive Loss and Repetitive Loss Structures	Currently there are 59 properties listed on FEMA's SRL/RL list Properties will be prioritized based on the SRL / RL. The City elevates properties as funding is made available while developing strategies for coastal and flood control protection and mitigation.	FEMA HMPG	1-5 Years	City of Mandeville	Flooding, Tropical Cyclone	1,4,6,7	Ongoing
MAN2: Sewerage Treatment Plant Flood Mitigation	The proposed project would include the construction of either an earthen berm or I-wall surrounding a portion of the sewerage treatment plant to prevent the inundation of flood waters from storm surge. The project will also include the elevation of Ultraviolet lights used in the final stage of sewerage treatment.	FEMA HMPG	1-5 Years	City of Mandeville	Flooding, Tropical Cyclone	1,2,3,7	Ongoing
MAN3: Monroe Street Drainage	The proposed project would change the elevation of a section of roadway that is inundated by flood waters on a regular basis. Additionally, it would improve the drainage along portions of Kleber Street where there is a history of flooding including of structures.	FEMA HMPG	1-5 years	City of Mandeville	Flooding, Tropical Cyclone	1,2,3,7	Complete



MAN4: Wind Retrofit of Mandeville Police Department Headquarters	Mandeville Police Department Headquarters will be retrofitted to provide protection from high winds. The Scope of Work includes but is not limited to hardening windows, doors, and mechanical equipment. This retrofit will exceed the International Building Code wind load requirements for this location.	Local, State, Federal	1-5 years	City of Mandeville	Tropical Cyclone, wind, hail, Tornado	1,2,3	Ongoing
MAN5: Madison Street Drainage	The proposed project would close in the existing open ditches with new 36" RCP culverts, with associated catch basins and drop inlets. Madison Street from Marigny Avenue to Little Bayou Castain is approximately 1,200 linear feet. The project will help drainage in an area with a history of flooding, and where homes have received flood damage in the past.	Local, State, Federal	1-5 Years	City of Mandeville	Tropical Cyclone, Flooding	1,4,7	Complete
MAN6 Wind Retrofit of Mandeville Community Center	Mandeville Community Center will be retrofitted to provide protection from high winds. Includes but is not limited to hardening windows, doors, and mechanical equipment. This retrofit will exceed the International Building Code wind load requirements for this location.	Local, State, Federal	ongoing	City of Mandeville	Tropical Cyclone, wind, hail, tornado	1,2,3	Ongoing
MAN7: Wind Retrofit of Mandeville Public Works Department Facility	Mandeville Public Works Department Facility will be retrofitted to provide protection from high winds. The Scope of Work includes but is not limited to hardening windows, doors, and mechanical equipment. This retrofit will exceed the International Building Code wind load requirements for this location.	FEMA HMPG	1-5 years	City of Mandeville	Tropical Cyclone, wind, hail, tornado	1,2,3	Ongoing

MAN8: Wind Retrofit of Mandeville City Hall	Mandeville City Hall will be retrofitted to provide protection from high winds. The Scope of Work includes but is not limited to hardening windows, doors, and mechanical equipment. This retrofit will exceed the International Building Code wind load requirements for this location.	FEMA HMPG	1-5 Years	City of Mandeville	Tropical Cyclone, wind, hail, tornado	1,2,3	Ongoing
MAN9: Cypress Swamp/Green Fund Coastal Restoration and Armoring	The proposed project would construct a berm of a yet to be determined type in Lake Pontchartrain in front of an endangered cypress swamp along the shoreline of the City of Mandeville. The berm would armor the identified section of shoreline against continued coastal erosion as well as reduce the velocity of storm runoff thereby allowing suspended sediments to rebuild land.	FEMA HMPG	1-5 Years	City of Mandeville	Tropical Cyclone, Coastal Hazards, Flooding	1,5	Ongoing
No. 1: Upgrade the flow capacity of storm water along Lake Shore Drive in Golden Glen Subdivision and along Bayou Chinchuba, Bayou Castine, and Little Bayou Castine by expanding and sloping the canals and replacing any inferior culverts along the major drainage laterals	N/A	City budget and Grants	Ongoing - Scheduled for complete in 2020	Street Supervisor/Public Works Director	Flooding, Tropical Cyclone	N/A	Ongoing
No. 2: Add Back up power supply/generators at critical locations such as Mandeville Fire Station, and sewer lift stations.	N/A	City Budget, Grant, Fire budget	COMPLETE	Public Works and Wastewater Supervisor	Flooding, Tropical Cyclone, wind, lightning, tornado	N/A	COMPLETE

No.3: Develop a master drainage plan which will evaluate drainage projects at major drainage laterals to determine best method of increasing drainage capacity. Implement recommended projects resulting from drainage plan.	N/A	City Budget,	Ongoing-Scheduled for complete in 2020	City Engineer and or Department of Public Works	Flooding, Tropical Cyclone	N/A	Complete
No.4: Madison (Marigny to Little Bayou Castain); Overlay (1,200' x 18') Drainage (36" RCPA)	N/A	City Budget, potential for FEMA grant	Carried Over	City Engineer and or Department of Public Works	Flooding, storm surge	N/A	Carried over
No.5: Coffee (Villere to Jefferson); Overlay (2,300' x18') Drainage (24" RCPA to 54" RCPA)	N/A	City Budget, potential for FEMA grant	COMPLETE	City Engineer and or Department of Public Works	Flooding, Storm Surge	N/A	COMPLETE
No.6: Trace drainage (Marigny to Lamarque and Capusel to Little Bayou Castine)	N/A	City Budget	Ongoing - Scheduled for complete in 2020	City Engineer and or Department of Public Works	Flooding, Storm Surge	N/A	Complete
No.7: Trace Drainage (Lafitte to Coffee)	N/A	City Budget	Ongoing - Scheduled for complete in 2020	City Engineer and or Department of Public Works	Flooding, Storm Surge	N/A	Complete
No.8: Wilkinson (Extend 60" RCPA) (North of Monroe)	N/A	City Budget	COMPLETE	City Engineer and or Department of Public Works	Flooding, Storm Surge	N/A	COMPLETE
No. 9: Carondelet (Junction Box at School)	N/A	City Budget	Ongoing - Scheduled for complete in 2020	City Engineer and or Department of Public Works	Flooding, Storm Surge	N/A	Complete

No.10: Esquinance (Oak to City limits)Reconstruct Roadway (550' x 20') Drainage (18" RCPA)	N/A	City Budget	Ongoing - Scheduled for complete in 2020	City Engineer and or Department of Public Works	Flooding, Storm Surge	N/A	Complete
No.11:Carroll (Hwy 190 to Monroe) Overlay (2200'x18') Drainage (18"RCPA to 24"RCPA)	N/A	City Budget	Ongoing - Scheduled for complete in 2020	City Engineer and or Department of Public Works	Flooding, Storm Surge	N/A	Complete
No.12:Wilkinson (ravine aux Coquilles to Jefferson) (capital outlay request submitted) Overlay (1300'x18') Drainage (24"RCPA)	N/A	City Budget	COMPLETE	City Engineer and or Department of Public Works	Flooding, Storm Surge	N/A	COMPLETE
No.13: Lamarque (LA Hwy 190 to lakeshore) Overlay (4400'x2-' Drainage (18"RCPA @ roadways and drives) Water (La Hwy 190 to Livingston)	N/A	City Budget	COMPLETE	City Engineer and or Department of Public Works	Flooding, Storm Surge	N/A	COMPLETE
No.14:Sandra Lee (W. Causeway to Lovers) Concrete (800'x20')	N/A	City Budget	COMPLETE	City Engineer and or Department of Public Works	Flooding, Storm Surge	N/A	COMPLETE
No.15: Wind retrofit of Mandeville City Hall	N/A	FEMA grants with city matching funds	Ongoing - Scheduled for complete in 2020	Public Works Department	Tropical Cyclone, wind, tornadoes	N/A	Ongoing
No.16: Wind retrofit of Mandeville Department of Public Works building	N/A	FEMA grants with city matching funds	Ongoing - Scheduled for complete in 2020	Public Works Department	Tropical Cyclone, wind, tornadoes	N/A	Ongoing



No.17: Wind retrofit of Mandeville Police Headquarters	N/A	FEMA grants with city matching funds	Ongoing - Scheduled for complete in 2020	Public Works Department	Tropical Cyclone, wind, tornadoes	N/A	Ongoing
No.18: Wind retrofit of Mandeville Community Center	N/A	FEMA grants with city matching funds	Ongoing - Scheduled for complete in 2020	Public Works Department	Tropical Cyclone, wind, tornadoes	N/A	Ongoing
No.24: City has used a program called "Drain Team" to increase public awareness and involvement in keeping ditches and drainage inlets free of obstruction. Notably, the city has also prepared and initiated a sandbag distribution plan, which has been successfully deployed twice during the last few years. This is an ongoing effort that the city intends to continue	N/A	City Budget	Ongoing - Scheduled for complete in 2020	City floodplain Manager and "Drain Team"	Tropical Cyclone, flooding, storm surge	N/A	Complete
No.25: The city continues to provide hazard education to the public through public service advertising, meetings with schools and neighborhood organizations, and distribution of materials at retailers, the library, and city hall	N/A	City Budget and grants	Ongoing - Scheduled for complete in 2020	Mayor's Office and Public Works Director	Flooding, Tropical Cyclone, wind, hail, lightning	N/A	Ongoing



<p>No. 26: The city continues active participation in various FEMA grant programs, in particular the HMGP, which has funded multiple elevation projects in Mandeville.</p>	<p>N/A</p>	<p>City Budget and grants</p>	<p>Ongoing - schedule now estimated for completion by 2020--Change verbiage to 59 properties and cost to \$8,850,000</p>	<p>City Building Permit Director and City Floodplain manager</p>	<p>Flooding, Tropical Cyclone</p>	<p>N/A</p>	<p>Ongoing</p>
<p>No.28: Improve seawall along lakeshore drive by increasing its size to better protect structures from Tropical Cyclone and tropical storm induced tidal flooding. (Public opposition to this proposal probably means that it will not be initiated)</p>	<p>N/A</p>	<p>City Budget and Grants</p>	<p>Ongoing - schedule now estimated for completion by 2020 – Corps of Engineers is currently doing an economic feasibility study</p>	<p>Public Works Department</p>	<p>Flooding, Tropical Cyclone, Storm Surge</p>	<p>N/A</p>	<p>Ongoing</p>
<p>No.29: On October 1, 2018 the city improved from a CRS class 7 to a class 6. This improvement qualifies residents for an additional 5% discount on flood insurance premiums. The city will continue its activities to improve the CRS rating.</p>	<p>N/A</p>	<p>City Budget</p>	<p>Ongoing - Scheduled for complete in 2020</p>	<p>City Floodplain Manager</p>	<p>Flooding, Tropical Cyclone, wind, lightning, Storm Surge</p>	<p>N/A</p>	<p>Ongoing</p>

No.30: Continue enforcement of floodplain regulations, subdivision regulations, engineering standards, and building code to ensure that all future development is implemented in such a way that risk from natural hazards is minimized	N/A	City Budget	ongoing	Floodplain manager/building inspector	Flooding, Tropical Cyclone, wind, Storm Surge	N/A	ongoing
---	-----	-------------	---------	---------------------------------------	---	-----	---------