

**Community Rating System
Activity 510 (Floodplain Management Planning)**

Progress Report on Implementation of Credited Plan

Date this Report was Prepared: 7/8/20

Name of Community: Terrebonne Parish Consolidated Government (City of Houma and Terrebonne Parish)

Name of Plan: Terrebonne Parish Hazard Mitigation Plan Update 2020

Date of Adoption of Plan: 6/11/20

5 Year CRS Expiration Date: 6/11/25

1. How can a copy of the original plan or area analysis report be obtained:

Visit tpcg.org/hmpu and click on Terrebonne Parish Hazard Mitigation Plan Update 2020 - Final Adopted Plan.

2. Describe how this progress report was prepared and how it was submitted to the governing body, released to the media, and made available to the public:

The progress report was prepared using the information from the Terrebonne Parish Hazard Mitigation Plan Update 2020 5 year update. It was emailed to all Council Members and media organizations, and posted online at tpcg.org/hmpu.

3. Provide a description of the implementation of each recommendation or action item in the action plan or area analysis report, including a statement on how the project was implemented or not implemented during the previous year:

See attached *2020 HMPU Project Status*

4. Discuss why any objectives were not reached or why implementation is behind schedule:

There is a listing in the plan and the 2018 yearly maintenance about what projects were completed. There are a number of projects on the list, and insufficient funding to do all of the projects that we have identified.

5. What are the recommendations for new projects or revised recommendations?

See attached *2020 HMPU Goals and Objectives*

2020 HMPU Project Status

Project	Coastal Wetlands Planning, Protection, & Restoration Act (B)	Coastal Impact Assistance Program (C)	Coastal Protection & Restoration Authority (D)	ESF-14 (TP Long Term Recovery Plan) (E)	TP Hazard Mitigation Plan (F)	TP 1603 DR 2008 Letter of Intent (G)	TP Feasibility Study for Levee Enhancement Projects (H)	Project 2010 Update (I)	New Projects, 2014 Update (J)	Approximate Cost	Level of Priority	Parish Capacity to Complete	Desired Timeline to Complete	1-5 years 5-10 years 10-15 years	Responsible Department/ Division for Implementation
G4	Forced Drainage 1-1B Channel Improvement (Maintenance & Dredging)					X									
I22	Drainage Improvement -- D-20 Schriever Pump Station Bar Screen Cleaner							X							
B31	Brady Canal Hydrologic Restoration	X													
B28	Coastwide Reference Monitoring Systems	X													
B27	Falgout Canal Planting Demonstration	X													
B26	Floating Marsh Creation	X													
B25	GIWW Bank Restoration of Critical Areas in Terrebonne Parish	X													
B24	Isles Dernieres Restoration East Island	X													
B23	Isles Dernieres Restoration Trinity Island	X													
B22	Lake Chapeau Sediment Input and Hydrologic Restoration	X													
B19	Mandalay Bank Protection Demonstration	X													
B18	New Cut Dune and Marsh Creation	X													
B16	North Lake Menchant Landbridge Restoration	X													
B14	Penchant Bases Natural Resources Plan--Increment 1	X													
B13	Point Au Fer Canal Plugs--Saltwater Intrusion	X													
B12	Raccoon Island Breakwater Demonstration	X													
B11	Raccoon Island Shoreline Protection/Marsh Creation	X													
B9	South Lake De Cade Freshwater Introduction	X													
B7	Terrebonne Bay Shore Protection Demonstration	X													
B6	Thin Mat Floating Marsh Enhancement	X													
B5	Timbalier Island Dune and Marsh Creation	X													
B4	Timbalier Island Planting Demonstration Overview	X													
B3	West Lake Boudreaux Shoreline Protection and Marsh Creation	X													
B1	Whiskey Island Restoration	X													
J2	Communications - Community Alert System (First Call), Reverse 911, Community Hotline, Alert FM, Redundant Phone System at EOC								X						
I23	Drainage Improvement -- D-3 Upper Montegut Bar Screen Cleaner							X							
E15	Construct Emergency Operations Center			X											
J35	Develop a Program for Public Information								X	\$5,000.00					
I163	Wind Retrofit -- Juvenile Detention Center							X				Yes			
I169	Wind Retrofit -- New Roll-up Door at EOC -- 911							X				Yes			
H5	Ashland North -- 1.5 Miles to +8'						X								
H15	Upper Dularge East Levee -- 5.2 Miles to +8'						X								
J1	Safe Room - OEP (Substitute)								X						
I148	Wind Retrofit -- Civic Center (Shutters or Window Film)							X				Yes			
I150	Wind Retrofit -- Courthouse Annex (Window Film)							X				Yes			
I158	Wind Retrofit -- Harden Front and Back Doors of Convention Center							X				Yes			
I171	Wind Retrofit -- Roof of Convention Center							X				Yes			
D9	Barrier Shoreline Restoration in Terrebonne Parish		X												
B20	Madison Bay Marsh Creation & Terracing	X													
D8	Ridge Habitat Restoration in Terrebonne Parish		X												
B20	Terrebonne Bay Marsh Creation - Nourishment	X													
B2	Whiskey Island Back Barrier Marsh Creation	X													
C8	Atchafalaya Long Distance Sediment Pipeline		X									High			
	Bayou DeCade Ridge Restoration											High			
	Bayou DuLarge Ridge Restoration											High			
	Bayou Pointe aux Chenes Ridge Restoration											High			
	Bayou Terrebonne Ridge Restoration											High			
C2	Beach and Back Barrier Marsh Restoration		X									High			
	Caillou Lake-Lake Mechant Marsh Creation											High			
	Falgout Canal Marsh Creation											High			

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	Golden Meadow-Montegut Marsh Creation - Component A												High				
	Increase Atchafalaya Flow to Eastern Terrebonne												High				
	Isle Dernieres Barrier Island Restoration												High				
D5	Marsh Restoration Using Dredged Material in Terrebonne Basin			X									High				
C4	North Lost Lake Marsh Creation/Enhancement		X										High				
	North Terrebonne Bay Marsh Creation												High				
C5	Shoreline Protection on Houma Navigational Canal		X										High				
	Small Bayou LaPointe Ridge Restoration												High				
	Timbalier Islands Barrier Island Restoration												High				
J11	20 Pump Stations/Scada/Telemetry, the automation of forced drainage Pump Stations to reduce response time and flooding. Monitored and controlled remotely during storm events										X	\$3,000,000.00	High				
B29	Coastwide Nutria Control Program		X														
C1	Falgout Canal Freshwater Enhancement Phase I			X													
D1	Morganza to the Gulf				X												
B17	North Lake Boudreaux Basin Freshwater Introduction and Hydrologic Management		X														
B15	Nutria Harvest for Wetland Restoration Demonstration		X														
I156	Wind Retrofit -- Government Tower (Window Film)									X					Yes		
I162	Wind Retrofit -- Houma PD									X					Yes		
I96	Emergency Preparedness -- Military Showers									X							
	Point Au Fer Island Marsh Creation														Low		
	Point Au Fer Island Shoreline Protection														Low		
B21	Lower Bayou LaCache Hydrologic Restoration		X														
B10	Ship Shoal: Whiskey West Flank Restoration		X														
I137	Generators--Central Fire Department Station, Montegut Middle School , Houma Police Department, Terrebonne Parish Civic Center, Terrebonne Parish Public Works building, Terrebonne Parish EOC						X						X				
C6	Houma Navigational Canal Lock			X													
C7	Mississippi River Long Distance Sediment Pipeline			X													
I46	Safe Room - Bayou Country Road										X						
	Atchafalaya River Diversion														Priority		
	Bayou Chene Floodgate														Priority		
	Bayou DeCade Marsh Creation														Priority		
	Bayou Penchant Marsh Creation														Priority		
B30	Central Terrebonne Freshwater Enhancement		X												Priority		
D6	Chacahoula Basin Hydrologic Restoration				X										Priority		
C3	Closure of Breaches of GIWW			X											Priority		
J6	Communications Tower North Campus/Telemetry/Forced Drainage										X	\$400,000.00	Priority				
	Dulac-Cocodrie Marsh Creation														Priority		
D7	Freshwater Introduction via Blue Hammock Bayou				X										Priority		
	HNC-Lake Mechant Marsh Creation														Priority		
I125	Generator -- Public Works -- Portable Trailer Unit Mounted for 6 Treatment Plants (56KW)										X						
I127	Generator -- Public Works Valhi Lift Station (135KW)										X						
I130	Generator -- Public Works, Service Center Yard (400 KW 208/480 Volt)										X						
	Lower Atchafalaya Marsh Creation														Priority		
	Mauvais Bois Ridge Restoration														Priority		
	Terrebonne GIWW Marsh Creation														Priority		
I138	Generator -- Public Works -- Forced Drainage Pump Station D-03, D-07, D-12, 20KW										X				Priority		
G1	Automatic Bar Screen Cleaners (Pump Stations -- D-58, D-03, D-69, D-22, D-28, D-07, D-21)						X										
D4	Multipurpose Operation of the Houma Navigational Canal				X												
E12	Plan, Implement, and Construct Parish wide Sewerage					X											
I99	Floodproof -- Terrebonne Parish General Medical Center, The TPCG Generating Station, and the 2 Consolidated Waterworks Treatment Plants										X						
A1	Expand Forced Drainage to Flood Prone Areas w/o System in Place (3-7)																

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F11	reduce flooding, such as requiring proper drainage with					X													
E13	Construct Communications Infrastructure and Provide Primary Responders with Proper Equipment					X													
H2	Ashland/Woodlawn -- 2.9 Miles to +8'									X									
H19	Brady Road Levee in Dularge -- 1 mile to +10'									X									
H20	Cane Break to Ashland Levee to +10'									X									
E5	Construct Transportation Improvements Designed to Increase the Economic Viability of Terrebonne Parish					X													
I8	Drainage Improvement -- (Chabert Medical Center Levee/Houma Industrial Park) Build Levee from Thompson Road to Industrial Pump Station																		X
E4	Educate the Public in Disaster Awareness					X													
I95	Emergency Preparedness -- Message Boards																		X
I97	Emergency Preparedness -- Nursing Home Evacuation Coordination/Plan																		X
H11	Falgout Canal Water Control Structure to +10'									X									
E10	Increase Affordable Housing throughout the Parish					X													
F5	Increase Public Awareness of Hazards and Hazard Areas																		X
F4	Promote Purchase of Flood Insurance																		X
E9	Review the existing floodplain ordinance and evaluate ways to improve the Parish's "Community Rating System (CRS) rating to reduce the flood insurance premium. Choose from the variety of methods and projects available that can be implemented to improve the CRS rating.																		X
H17	Susie Canal Improvements in Grand Caillou to +10'																		X
E14	Update Parish Emergency Operations Plan					X													
H23	Upper Dularge East Levee to +10'																		X
I9	Drainage Improvement -- Ann Carroll, Jean Street, Duet Street, and Grace Street (Upgrade Culvert size to drain water from middle of streets)																		X
I13	Drainage Improvement -- Bayou Lacache Pump Canal (Widen and Deepen Canal from Lacache Estate to Pump Station)																		X
I14	Drainage Improvement -- Bayou Lacarpe (Widen Channel from Tunnel Blvd to pump station and upgrade bar screen cleaner)																		X
G3	EOC Hardening																		X
I105	Generator -- 150KW for Valhi Lift Station																		X
I105	Generator -- City Hall (with switching capacity)																		X
I106	Generator -- Coteau Fire Station (Natural Gas, includes change over switch to ensure response to emergency calls)																		X
I107	Generator -- Gov't Towers																		X
I108	Generator -- Houma Fire Department, Central Station (50KW)																		X
I109	Generator -- Houma Police Department Building (Cummings model GFGA 500 KW 120/208 Volt 3 phase, 60 hertz, 1800RPM NG set)																		X
I119	Generator -- OEP 911 (60KW)																		X
I120	Generator -- Pollution Control Portable Unit Trailer Mounted for 10 treatment plants (50 KW)																		X
I126	Generator -- Public Works Service Center Yard (400KW)																		X
I17	Drainage Improvement -- Bonanza Pump Station D-27 Tideflex valves on discharge pipes																		X
I18	Drainage Improvement -- Coteau 1-1B Bar Screen Cleaner																		X
I20	Drainage Improvement -- D-07 Smithridge Pump Station Bar Screen Cleaner																		X
I28	Drainage Improvement -- Island Road (Stabilize roadway shoulders and embankment)																		X
I33	Drainage Improvement -- Michael Street, Buquet Street, and Daigle Street (Increase Culvert size to drain streets during heavy rain fall)																		X
G2	Elevation -- Residential																		X

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I128	Generator -- Public Works, Buquet Bridge (75 KW 120/240 Volt)										X								
I129	Generator -- Public Works, Klondyke Bridge (75 KW 120/240 Volt)										X								
F7	Pursue elevation/acquisition/flood proofing projects and structural solutions to flooding.				X														
E9	Reduce the Potential for Future Flood Losses through the Terrebonne Parish Flood Hazard Mitigation Program				X														
I139	RL and Severe RL Properties -- Elevation, Acquisition, Mitigation Reconstruction (Parish)										X								Yes
I147	Wind Retrofit -- City Hall (IT Department)										X								Yes
J10	150KW generators for Mire, Idlewild, and Elysian Lift Stations											X							
I37	Drainage Improvement -- Pump Station Telemetry										X								
I44	Drainage Project -- Port Commission										X								
F10	Adopt additional residential and commercial building regulations, which include stricter building standards, Land Use Regulations throughout the Parish consistent with those that exist within the Urban Services District of Houma and incorporate dry flood proofing techniques. When the International Building Codes become mandatory, they will supersede the existing codes.				X														
H16	Barrier Plan (Big Bayou Black/Gibson) 1/3 of project -- 8.4 Miles to +6.5'										X								
H27	Barrier Plan (Big Bayou Black/Gibson) 1/3 of project -- 8.4 Miles to +6.5'										X								
H8	Barrier Plan (Big Bayou Black/Gibson) 1/3 of project -- 8.4 Miles to +6.5'										X								
H10	Bayou Grand Caillou Water Control Structure to +10'										X								
H9	Bayou Point Au Chene Sluice Gate to +10'										X								
H4	Brady Road Levee in Dularge -- .25 miles to Falgout Canal to +8'										X								
H12	Cane Break to Ashland Levee -- 3.4 Miles to +8'										X								
J24	Collaborate with communities to design, evaluate, and implement Relocation Strategies for communities located outside of the levee systems (Tribal)												X						
J4	Communications -- Additional Communications Tower for office												X						
I4	Communications (Fire, Law Enforcement, Parish, Other) Radios 580 Portables, 372 Mobiles										X								
I5	Communications for Water Treatment -- 41 Mobiles										X								
I6	Communications Tower (Theriot, LA)										X								
E8	Develop a Detailed Business Recruitment and Retention Plan				X														
F2	Develop Master Drainage Plan				X														
I16	Drainage Improvement -- Benoit Crossing (Remove Portable Pump and place permanent pump)										X								
I29	Drainage Improvement -- Isle of Cuba Transfer (Off-site fuel storage -- gas and diesel)										X								
I35	Drainage Improvement -- Old Spanish Trail 6-1B (Place area under Force Drainage to Stop Backwater Flooding)										X								
I39	Drainage Improvement -- Savanne Road to Summerfield (Create a force drainage area to stop backwater and storm events flooding)										X								
I43	Drainage Study -- Airport Commission										X								
H14	East Theriot -- 9 Miles to +8'										X								
H22	East Theriot to +10'										X								
I37	Education regarding flood safety and property valuation											X							\$5,000.00
I42	Educational video on evacuation options											X							\$15,000.00
I94	Emergency Preparedness -- Creation of alternative staging area										X								
J7	Emergency Preparedness -- Evacuation Sign Purchase and Placement											X							

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J3	Emergency Preparedness -- Gauge installation at pump stations near major roadways and bridges/floodgates										X				
J5	Emergency Preparedness -- Purchase of Drone for Damage Assessment										X				
I98	Emergency Preparedness -- Small Power Radio Station for Hazard Alert								X						
J25	Ensure that current and future building elevations take the needs of those individuals with access and functional needs into account. This includes the incorporations of lifts. (Tribal)										X				
E7	Expand and Improve Parish wide Sewerage Facilities			X											
H25	Extension Orange Street Projects in Grand Caillou -- 2.0 Miles to +10'							X							
A2	Feasibility and Practicality of New Shelters (3-8)														
I100	Flood Protection -- Sea wall at Public Works Yard Grand Caillou Road										X				
I101	Flood Wall and Pump Installation for Terrebonne General										X				
J45	Four P25 Motorola Communications Consoles to be located within the Terrebonne 911 Cat. 5 Hurricane resistant facility located at 110 Capital Blvd. to be used for Interoperable Communications between all 15 Terrebonne Fire Districts (13 Fire Departments), Law Enforcement Agencies, OEP, Utilities & Parish Departments (cost \$138,000)										X	X			
D2	Gibson to Houma Hurricane Protection			X											
D3	Houma and Vicinity Hurricane Protection			X											
E2	Identification of Donor and Placement Sites for Sediment Deposition				X										
J26	Identify mechanisms to protect the Island Road from surge and tidal impacts. This might include engineered solutions to decrease wave impacts and/or erosion control mechanisms along the edges of the road. (Tribal)											X			
J22	Identify vulnerable historic and cultural resources, as well as opportunities to protect and/or relocate historic assets (Tribal)											X			
E1	Implement Capital Improvement Program to Enhance Inner Ring of Tidal Protection/Forced Drainage Levees			X											
H1	Industrial Blvd Gap -- 2.1 Miles to +8'							X							
I132	Infiltration Reduction of Underground Wastewater System (Testing needed for Locations)										X				
H7	Intracoastal Canal Near Palm Street -- 2.3 Miles to +6.5'							X							
J34	Levee Safety Educational Promotions										X		\$30,000.00		
J30	Library Storm Preparation and Recovery Flashcards										X		\$25,000.00		
H24	Lower Point Au Chene -- .85 Miles to +10'							X							
H6	Lower Point Au Chene -- 3.9 Miles to +8'							X							
I133	Modification to Village East Lift Station (Conversion from Dry Pit to Submersible Station)										X				
I134	New Water Storage Tank -- Terrebonne General Medical Center (1,000,000 Gallons, \$750,000)										X				
H3	North of Orange Street Project in Grand Caillou -- 2.5 Miles to +8'							X							
H18	North of Orange Street to +10'							X							
E11	North-South Hurricane Evacuation Route			X											
J44	Portable billboards to update emergency instructions or evacuation routes/changes											X			
J23	Protect historic and cultural resources, such as cemeteries and gathering places from all hazards (Tribal)											X			
J36	Review capacity to increase nonresidential structure mitigations											X	Variable		
E3	Review of Louisiana Coastal Zone Management Program			X											
J29	Safe Harbor Study and Education Campaign										X		\$50,000.00		

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134	Drainage Improvement -- Oak Forest Street (Increase in Culvert Sizes and Pump Station)								X										
136	Drainage Improvement -- Old Spanish Trail 6-1B (Put Screw Gates on Culvert Crossings)								X										
138	Drainage Improvement -- Royce Street (Increase culvert size to stop rainfall flooding)								X										
140	Drainage Improvement -- South Ellendale Estates Lateral (Dig and possible widen lateral from subdivision to Hanson Canal)								X										
141	Drainage Improvement -- Widen Jeannie Canal								X										
145	Dry Floodproof RL Structure Next to Robinson Canal (Meeting #3)								X										
146	Dry Floodproofing -- Infiltration Reduction of Underground Wastewater Collection System								X										
147	Elevation -- Bayou Dularge Tank building and chlorination equipment								X										
148	Elevation -- Fire Station (raise 2', history of flooding, 75'x75' Slab) (1466 Hwy 665)								X										
149	Elevation -- Fire Station in Chauvin								X										
150	Elevation -- Generator for Riley Drive Lift Station								X										
151	Elevation -- Grand Caillou Tank building								X										
152	Elevation -- Industrial Blvd from Van Ave to Pump Station								X										
153	Elevation -- Leachate Removal System								X										
154	Elevation -- Lift Stations with Self Priming Pumps (Bourg Heights, Edgewood, Ashland North, Ashland North II, Ashland South, Woodlawn Ranch, Saia, Prospect, Carriage Cove, Green Acres I, Green Acres II, Lafayette Woods, Lorraine Park, Presque Isle, Presque Isle II, Chabert Medical Center, Service Center, Smithridge I, Smithridge II, South Terrebonne Estates, Riley Drive)								X										
155	Elevation -- Lift Stations with Submersible Pumps (Bobtown, Dulac, Orange Street, Airbase Jr., Patriot Point, Rounds Road, Applied Hydraulics, Gemoco, Indian Ridge, James Road, Sandcastle, Thunderbird Road)								X										
156	Elevation - Lower Dulac Tank Building and Chlorination equipment								X										
157	Elevation -- Montegut Station (100'x75')								X										
159	Elevation -- Orange Street Wastewater Plant Controls								X										
160	Elevation -- Pointe-Aux Chenes Pump Station building and electrical pump, regulating valve and meter								X										
161	Elevation -- Robinson Canal P.S. Building, electrical pump, regulating valve, and meter								X										
162	Elevation -- Scale								X										
163	Elevation -- South Terrebonne Pump Station building and pump								X										
164	Elevation -- Terrebonne General Medical Center Main Plant Electrical Switch Gear, Boilers, and Chillers (\$2,750,000)								X										
165	Elevation -- Texaco Master Meter Building, regulating valve and meter								X										
166	Elevation -- West Gibson Tank building and chlorination equipment								X										
167	Elevation of Local Evacuation Route -- 1 Mile Section of LA 56 in Chauvin, LA (Ward 7 Evacuation Routes)								X										
168	Elevation of Local Evacuation Route -- 1.5 Mile Section of LA 315 near the Dularge Bridge (Evacuation Route for Bayou Dularge and Crozier, Floods in a strong south wind)								X										
169	Elevation of Pump Station Roads -- D-19, D-12, and D-5 Pumps								X										
170	Elevation to ABFE -- D-01-04; D-06; D-15; D-21; D-36-37; D-40; D42-44; D-46-51; D 53-54; D-56; D-59-60; D-65; D69 Gear Drives, Motors, and Controls								X										

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	Elevation to ABFE -- D-11 Gear Drives, Motors, and Controls																		
	Elevation to ABFE -- D-61 Gear Drives, Motors, and Controls																		
	Elevation to ABFE -- D-62 Gear Drives, Motors, and Controls																		
	Elevation to ABFE -- D-65 Gear Drives, Motors, and Controls																		
	Elevation to ABFE -- D-69 Gear Drives, Motors, and Controls																		
A3	Flood Proof Essential Community Facilities (Power Plants, Substations, Hospitals) (3-8)																		
F1	Flood Proof Terrebonne Parish EOC, Terrebonne Parish General Medical Center, Chabert Medical Center, The TPCG Generating Station and the 2 Consolidated Waterworks Treatment Plants																		
	Generator -- 100KW for Chabert Medical Center																		
	Generator -- 100KW for Terrebonne General																		
I103	Generator -- 100KW for W. Woodlawn Station																		
I104	Generator -- 200KW for South Wastewater Treatment Plant																		
I110	Generator -- Lift Stations Receiving Effluent from Hospitals, Chabert Medical Center (50 KW)																		
I111	Generator -- Lift Stations Receiving Effluent from Hospitals, Terrebonne General Medical Center (50 KW)																		
I112	Generator -- Major Lift Stations, Douglas (50 KW)																		
I113	Generator -- Major Lift Stations, Highland Drive (150 KW)																		
I114	Generator -- Major Lift Stations, Mire (75 KW)																		
I115	Generator -- Major Lift Stations, Westside (50 KW)																		
I116	Generator -- Major Lift Stations, Westview (100 KW)																		
I117	Generator -- Montegut, Pointe Aux Chenes Fire Stations (need 40-50 KW -- \$15,000)																		
I118	Generator -- North Terrebonne Treatment Plant																		
I121	Generator -- Pollution Control, S. Treatment Plant Effluent Lift Station (250 KW)																		
I122	Generator -- Pollution Control, S. Treatment Plant Perimeter Drainage Pump Station (100 KW)																		
I123	Generator -- Port Commission Forced Drainage (50 KW)																		
I124	Generator -- Public Works -- Portable Generator for Bridges (80 KW)																		
J40	Generator Study/Environmental Review/Provision of Generators																		
J41	Generator Study/Environmental Review/Provision of Quick Connects																		
I131	Generators -- Lift Stations Receiving Effluent from Hospitals, Valhi II (125 KW)																		
F8	Investigate and implement localized interior drainage projects at Lower Bayou Drive, Savanne Road, Ringo Coker to Hudson Canal, LA 311 at Hollywood Road, Parish Road 15 at Mandalay, and Susie Canal at Ashland South, which are repetitive loss areas, and reduce its flood potential.																		
I39	Natural Gas Generator																		
I135	Relocation -- Deadwood																		
I136	Relocation -- Jean Charles																		
J9	Replacement of wooden lift station fence/gates with chain link to mitigate wind damage																		
J15	Safe House -- Houma Fire Department 2101 East Tunnel Blvd.																		
I140	Safe room -- Coteau Fire Station																		
I141	Safe Room -- Gov't Towers Parking Structure (Pet Shelter)																		
I143	Wind Retrofit -- Bac-T Lab (install shutters or impact resistant glass on windows, strengthen doors)																		Yes

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I144	Wind Retrofit -- Bob Jones Building (Cat 4 or 5)									X								Yes
J17	Wind Retrofit -- Bourg Fire Department (4317 Hwy 24) Windows with Shutters										X		\$25,000.00					
I145	Wind Retrofit -- Bourg Fire Station, 2 Bay Doors (22'x10', 14'x10') and 3 Windows (36"x36")									X								Yes
I146	Wind Retrofit -- Buquet Bridge and Klondyke Bridge Tender's Buildings (Cat 3)									X								Yes
J18	Wind Retrofit -- Coteau Fire Department (2325 Coteau Rd) Window with Shutters										X		\$25,000.00					
I149	Wind Retrofit -- Coteau Fire Station (include main structure, apparatus room, generator room doors)									X								Yes
I151	Wind Retrofit -- Director's Building (Cat 3)									X								Yes
I152	Wind Retrofit -- Drainage Building (Cat 3)									X								Yes
I153	Wind Retrofit -- Evergreen Junior High									X								Yes
I154	Wind Retrofit -- Fire Stations (central, #2, #3, #4) Shutters									X								Yes
I155	Wind Retrofit -- Garage Doors (407 Island)									X								Yes
I157	Wind Retrofit -- Gulf States LTAC									X								Yes
I159	Wind Retrofit -- Headstart Center									X								Yes
I160	Wind Retrofit -- Houma Junior High									X								Yes
I161	Wind Retrofit -- Houma Municipal Auditorium									X								Yes
J12	Wind Retrofit -- Houma Water Treatment Facility										X							
I164	Wind Retrofit -- Legion Park Middle									X								Yes
J19	Wind Retrofit -- Little Caillou Fire Department (4588 Hwy 56) Windows with Shutters										X		\$25,000.00					
J20	Wind Retrofit -- Little Caillou Fire Department (5610 Hwy 56) Windows with Shutters										X		\$25,000.00					
J21	Wind Retrofit -- Little Caillou Fire Department (6668 Hwy 56) Windows with Shutters										X		\$25,000.00					
I165	Wind Retrofit -- Mail Library									X								Yes
I166	Wind Retrofit -- Main Office (Install shutters or impact resistant glass on windows, strengthen doors)									X								Yes
I167	Wind Retrofit -- Montague, Pointe Aux Chenes Fire Stations (5 Windows at 1466 Hwy 665, 6 Windows at 407 Island Rd, 6 Windows at 1746 Hwy 55)									X								Yes
J16	Wind Retrofit -- Montegut Fire Department (1105 Hwy 55) Garage Doors										X		\$30,000.00					
I168	Wind Retrofit -- Morgue									X								Yes
I170	Wind Retrofit -- North Terrebonne Standpipe (strengthen door)									X								Yes
I172	Wind Retrofit -- Schriever Elementary									X								Yes
J13	Wind Retrofit -- Schriever Water Treatment Facility										X							
I173	Wind Retrofit -- Sludge Press Building (strengthen doors)									X								Yes
I174	Wind Retrofit -- South Terrebonne High School									X								Yes
I175	Wind Retrofit -- Southdown Elementary									X								Yes
I176	Wind Retrofit -- Terrebonne High School									X								Yes
J14	Wind Retrofit -- Waterworks Office Complex at 8814 Main Street, Houma, LA										X							
	Wind Retrofit -- West Park Elementary																	Yes
I177	Wind Retrofit and Elevation -- Houma Plant 3 (Install shutters or impact resistant glass on windows, strengthen doors, raise pumps and electrical panels)									X								Yes
I178	Wind Retrofit and Elevation -- Houma Plant High Service pumps and electrical panels, strengthen door									X								Yes
I179	Wind Retrofit and Elevation -- Lafort Canal RW PS (elevate pumps and generator, strengthen door)									X								Yes
I180	Wind Retrofit and Elevation -- Munson PS (Elevate Building, electrical pumps, regulating valves and meters, Install Shutters on windows, strengthen the doors)									X								Yes
I181	Wind Retrofit and Elevation -- Schriever Plant (install shutters or impact resistant glass on windows, strengthen doors, elevate pumps)									X								Yes
I182	Wind Retrofit and Elevation -- Shell PS (elevate pumps and electrical panels, strengthen door)									X								Yes

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1183	Wind Retrofit and Elevation -- Williams Street Pump Station (elevate pumps and electrical panels, strengthen door)								X			Yes			
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2020 HMPU Project Status

Source	Project	Status	TP Master Plan (A)	Coastal Wetlands Planning, Protection, & Restoration Act (B)	Coastal Impact Assistance Program (C)	Coastal Protection & Restoration Authority (D)	ESF-14 (TP Long Term Recovery Plan) (E)	TP Hazard Mitigation Plan (F)	TP 1603 DR 2008 Letter of Intent (G)	TP Feasibility Study for Levee Enhancement Projects (H)	Project 2010 Update (I)	New Projects, 2014 Update (J)	Approximate Cost
I43	Drainage Study -- Airport Commission	Completed									X		
B31	Brady Canal Hydrologic Restoration	Completed		X									
B28	Coastwide Reference Monitoring Systems	Completed		X									
B27	Falgout Canal Planting Demonstration	Completed		X									
B26	Floating Marsh Creation	Completed		X									
B25	GIWW Bank Restoration of Critical Areas in Terrebonne Parish	Completed		X									
B24	Isles Dernieres Restoration East Island	Completed		X									
B23	Isles Dernieres Restoration Trinity Island	Completed		X									
B22	Lake Chapeau Sediment Input and Hydrologic Restoration	Completed		X									
B19	Mandalay Bank Protection Demonstration	Completed		X									
B18	New Cut Dune and Marsh Creation	Completed		X									
B16	North Lake Menchant Landbridge Restoration	Completed		X									
B14	Penchant Bases Natural Resources Plan--Increment 1	Completed		X									
B13	Point Au Fer Canal Plugs--Saltwater Intrusion	Completed		X									
B12	Raccoon Island Breakwater Demonstration	Completed		X									
B11	Raccoon Island Shoreline Protection/Marsh Creation	Completed		X									
B9	South Lake De Cade Freshwater Introduction	Completed		X									
B7	Terrebonne Bay Shore Protection Demonstration	Completed		X									
B6	Thin Mat Floating Marsh Enhancement	Completed		X									
B5	Timbalier Island Dune and Marsh Creation	Completed		X									
B4	Timbalier Island Planting Demonstration Overview	Completed		X									
B3	West Lake Boudreaux Shoreline Protection and Marsh Creation	Completed		X									
B1	Whiskey Island Restoration	Completed		X									
E15	Construct Emergency Operations Center	Completed					X						
J35	Develop a Program for Public Information	Completed										X	\$5,000.00
H11	Falgout Canal Water Control Structure to +10'	completed								X			
B2	Whiskey Island Back Barrier Marsh Creation	Completed		X									
C1	Falgout Canal Freshwater Enhancement Phase 1	Completed			X								
	Bayou Decade Ridge Restoration	Completed											
C5	Shoreline Protection on Houma Navigational Canal	Completed			X								
	Bayou Decade Marsh Creation	Completed											
	Bayou Penchant Marsh Creation	Completed											
	HNC-Lake Mechant Marsh Creation	Completed											
J34	Levee Safety Educational Promotions	Completed										X	\$30,000.00
J5	Emergency Preparedness -- Purchase of Drone for Damage Assessment	Completed										X	
J45	Four P25 Motorola Communications Consoles to be located within the Terrebonne 911 Cat. 5 Hurricane resistant facility located at 110 Capital Blvd. to be used for Interoperable Communications between all 15 Terrebonne Fire Districts (13 Fire Departments), Law Enforcement Agencies, OEP, Utilities & Parish Departments (cost \$138,000) replacement due to obsolescence	Completed									X	X	
J2	Communications - Community Alert System (First Call), Reverse 911, Community Hotline, Alert FM, Redundant Phone System at EOC	Completed										X	
I23	Drainage Improvement -- D-3 Upper Montegut Bar Screen Cleaner	Completed									X		

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I163	Wind Retrofit -- Juvenile Detention Center	Completed											X		
I169	Wind Retrofit -- New Roll-up Door at EOC -- 911	Completed											X		
I156	Wind Retrofit -- Government Tower (Window Screens, Doors)	Completed											X		
J1	Safe Room - OEP (Substitute)	Completed												X	
I148	Wind Retrofit -- Civic Center (Shutters or Window Film)	Completed											X		
I150	Wind Retrofit -- Courthouse Annex (Window Film)	Completed											X		
I158	Wind Retrofit -- Harden Front and Back Doors of Convention Center	Completed											X		
I171	Wind Retrofit -- Roof of Convention Center	Completed											X		
I18	Drainage Improvement -- Coteau 1-1B Bar Screen Cleaner	completed											X		
I20	Drainage Improvement -- D-07 Smithridge Pump Station Bar Screen Cleaner	completed											X		
I28	Drainage Improvement -- Island Road (Stabilize roadway shoulders and embankment)	completed											X		
I33	Drainage Improvement -- Michael Street, Buquet Street, and Daigle Street (Increase Culvert size to drain streets during heavy rain fall)	completed											X		
I147	Wind Retrofit -- City Hall (IT Department)	Completed											X		
J46	Generator -- 100KW for Terrebonne General	Completed													
J46	Safe Room - Bayou Country Road	Completed												X	
C4	North Lost Lake Marsh Creation/Enhancement	Construction				X									
J15	Safe House -- Houma Fire Department 2101 East Tunnel Blvd.	Construction												X	
I175	Wind Retrofit -- Southdown Elementary	Construction											X		
B29	Coastwide Nutria Control Program	Continous				X									
F9	Review the existing floodplain ordinance and evaluate ways to improve the Parish's "Community Rating System (CRS) rating to reduce the flood insurance premium. Choose from the variety of methods and projects available that can be implemented to improve the CRS rating.	Continous											X		
E9	Reduce the Potential for Future Flood Losses through the Terrebonne Parish Flood Hazard Mitigation Program	Continous										X			
I139	RL and Severe RL Properties -- Elevation, Acquisition, Mitigation Reconstruction (Parish)	continous											X		
E10	Increase Affordable Housing throughout the Parish	Continuous											X		
F5	Increase Public Awareness of Hazards and Hazard Areas	Continuous											X		
F4	Promote Purchase of Flood Insurance	Continuous											X		
G2	Elevation and Reconstruction-- Residential	Continuous												X	
B20	Madison Bay Marsh Creation & Terracing	Deauthorized				X									
I123	Generator -- Port Commission Forced Drainage (50 KW)	Deauthorized												X	
J12	Wind Retrofit -- Houma Water Treatment Facility	Deauthorized													X
J13	Wind Retrofit -- Schriever Water Treatment Facility	Deauthorized													X
I181	Wind Retrofit and Elevation -- Schriever Plant (install shutters or impact resistant glass on windows, strengthen doors, elevate pumps)	Deauthorized												X	
I17	Drainage Improvement -- Bonanza Pump Station D-27 Tideflex valves on discharge pipes	Design Complete												X	
H23	Upper Dularge East Levee to +10'	Engineering Funded											X		
H12	Cane Break to Ashland Levee -- 3.4 Miles to +8'	Engineering Funded											X		
	Bayou Dularge Ridge Restoration	Engineering Funded													

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	Bayou Terrebonne Ridge Restoration	Engineering Funded																	
	Increase Atchafalaya Flow to Eastern Terrebonne	Engineering Funded																	
C8	Atchafalaya Long Distance Sediment Pipeline	Feasibility Study Completed				X													
H5	Ashland North -- 1.5 Miles to +8'	Funded											X						
H15	Upper Dularge East Levee -- 5.2 Miles to +8'	Funded											X						
	Small Bayou LaPointe Ridge Restoration	Funded																	
I136	Relocation -- Jean Charles	Funded															X		
J10	150KW generators for Mire, Idlewild, and Elysian Lift Stations	Funding Requested																	X
D9	Barrier Shoreline Restoration in Terrebonne Parish	Funding Requested							X										
D8	Ridge Habitat Restoration in Terrebonne Parish	Funding Requested							X										
B20	Terrebonne Bay Marsh Creation - Nourishment	Funding Requested				X													
I138	Generator -- Public Works -- Forced Drainage Pump Station D-03, D-07, D-12, 20KW	Funding Requested																	X
J8	100 Amp, 3-way SS Disconnects for generator ready connections (approx. 40 Lift station sites)	Funding Requested																	X
	Generator -- 100KW for Chabert Medical Center	Funding Requested																	
I103	Generator -- 100KW for W. Woodlawn Station	Funding Requested																	X
I104	Generator -- 200KW for South Wastewater Treatment Plant	Funding Requested																	X
I110	Generator -- Lift Stations Receiving Effluent from Hospitals, Chabert Medical Center (50 KW)	Funding Requested																	X
I111	Generator -- Lift Stations Receiving Effluent from Hospitals, Terrebonne General Medical Center (50 KW)	Funding Requested																	X
I112	Generator -- Major Lift Stations, Douglas (50 KW)	Funding Requested																	X
I113	Generator -- Major Lift Stations, Highland Drive (150 KW)	Funding Requested																	X
I114	Generator -- Major Lift Stations, Mire (75 KW)	Funding Requested																	X
I115	Generator -- Major Lift Stations, Westside (50 KW)	Funding Requested																	X
I116	Generator -- Major Lift Stations, Westview (100 KW)	Funding Requested																	X
I117	Generator -- Montegut, Pointe Aux Chenes Fire Stations (need 40-50 KW -- \$15,000)	Funding Requested																	X
I118	Generator -- North Terrebonne Treatment Plant	Funding Requested																	X
I121	Generator -- Pollution Control, S. Treatment Plant Effluent Lift Station (250 KW)	Funding Requested																	X
I122	Generator -- Pollution Control, S. Treatment Plant Perimeter Drainage Pump Station (100 KW)	Funding Requested																	X
B21	Lower Bayou LaCache Hydrologic Restoration	Obsolete				X													
B10	Ship Shoal: Whiskey West Flank Restoration	Obsolete				X													
J38	Vehicle lift for HPD EOC	Obsolete																	X
J40	Generator Study/Environmental Review/Provision of Generators	Obsolete																	X
J41	Generator Study/Environmental Review/Provision of Quick Connects	Obsolete																	X
I141	Safe Room -- Gov't Towers Parking Structure (Pet Shelter)	Obsolete																	X
C6	Houma Navigational Canal Lock	Partial							X										
C7	Mississippi River Long Distance Sediment Pipeline	Partial							X										
J11	20 Pump Stations/Scada/Telemetry, the automation of forced drainage Pump Stations to reduce response time and flooding. Monitored and controlled remotely during storm events	Partially funded by TPCG																	X
I128	Generator -- Public Works, Buquet Bridge (75 KW 120/240 Volt)	funded																	X
I129	Generator -- Public Works, Klondyke Bridge (75 KW 120/240 Volt)	funded																	X
	Timbalier Islands Barrier Island Restoration	Planning Funded																	

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	Isle Dernieres Barrier Island Restoration	Planning Funded																		
D5	Marsh Restoration Using Dredged Material in Terrebonne Basin	Planning Funded																		
G1	Automatic Bar Screen Cleaners (Pump Stations -- D-58, D-03, D-69, D-22, D-28, D-07, D-21)	Redundant																		
I124	Generator -- Public Works -- Portable Generator for Bridges (80 KW)	Redundant																		
I131	Generators -- Lift Stations Receiving Effluent from Hospitals, Valhi II (125 KW)	Redundant																		
I140	Safe room -- Coteau Fire Station	Redundant																		
D4	Multipurpose Operation of the Houma Navigational Canal	Redundant with C6?																		
E12	Plan, Implement, and Construct Parish wide Sewerage	Redundantw/ 7?																		
	Bayou Chene Floodgate	TCLD																		
H16	Barrier Plan (Big Bayou Black/Gibson) 1/3 of project -- 8.4 Miles to +6.5'	TCLD																		
H27	Barrier Plan (Big Bayou Black/Gibson) 1/3 of project -- 8.4 Miles to +6.5'	TCLD																		
H8	Barrier Plan (Big Bayou Black/Gibson) 1/3 of project -- 8.4 Miles to +6.5'	TCLD																		
D1	Morganza to the Gulf	Underway																		
B17	North Lake Boudreaux Basin Freshwater Introduction and Hydrologic Management	Underway																		
B15	Nutria Harvest for Wetland Restoration Demonstration	Underway																		
H20	Cane Break to Ashland Levee to +10'	Underway																		
J37	Education regarding flood safety and property valuation	Underway																		
	Communications Tower North																			
J6	Campus/Telemetry/Forced Drainage	Underway																		
I162	Wind Retrofit -- Houma PD	Completed																		
I1	Blackstart Capacity -- Houma Power Plant	Completed																		
I5	Communications for Water Treatment -- 41 Mobiles																			
I96	Emergency Preparedness -- Military Showers																			
F2	Develop Master Drainage Plan																			
E8	Develop a Detailed Business Recruitment and Retention Plan																			
G4	Forced Drainage 1-1B Channel Improvement (Maintenance & Dredging)																			
H2	Ashland/Woodlawn -- 2.9 Miles to +8'																			
H19	Brady Road Levee in Dularge -- 1 mile to +10'																			
E5	Construct Transportation Improvements Designed to Increase the Economic Viability of Terrebonne Parish																			
I8	Drainage Improvement -- (Chabert Medical Center Levee/Houma Industrial Park) Build Levee from Thompson Road to Industrial Pump Station																			
E4	Educate the Public in Disaster Awareness																			
I95	Emergency Preparedness -- Message Boards																			
I97	Emergency Preparedness -- Nursing Home Evacuation Coordination/Plan																			
H17	Susie Canal Improvements in Grand Caillou to +10'																			
E14	Update Parish Emergency Operations Plan																			
C2	Bayou Pointe aux Chenes Ridge Restoration																			
	Beach and Back Barrier Marsh Restoration																			
	Caillou Lake-Lake Mechant Marsh Creation																			
	Falgout Canal Marsh Creation																			
	Golden Meadow-Montegut Marsh Creation - Component A																			

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	North Terrebonne Bay Marsh Creation																			
	Point Au Fer Island Marsh Creation																			
	Point Au Fer Island Shoreline Protection																			
	Atchafalaya River Diversion																			
B30	Central Terrebonne Freshwater Enhancement				X															
D6	Chacahoula Basin Hydrologic Restoration								X											
C3	Closure of Breaches of GIWW																			
	Dulac-Cocodrie Marsh Creation																			
D7	Freshwater Introduction via Blue Hammock Bayou																			
	Lower Atchafalaya Marsh Creation																			
	Mauvais Bois Ridge Restoration																			
	Terrebonne GIWW Marsh Creation																			
F10	Adopt additional residential and commercial building regulations, which include stricter building standards, Land Use Regulations throughout the Parish consistent with to those that exist within the Urban Services District of Houma and incorporate dry flood proofing techniques. When the International Building Codes become mandatory, they will supersede the existing codes.																			
H10	Bayou Grand Caillou Water Control Structure to +10'																			
H9	Bayou Point Au Chene Sluice Gate to +10'																			
H4	Brady Road Levee in Dularge -- .25 miles to Falgout Canal to +8'																			
J24	Collaborate with communities to design, evaluate, and implement Relocation Strategies for communities located outside of the levee systems (Tribal)																			
I4	Communications (Fire, Law Enforcement, Parish, Other) Equipment purchased 2003-2013 now obsolete. Need to purchase next model.																			
I6	Communications Tower (Theriot, LA)																			
I16	Drainage Improvement -- Benoit Crossing (Remove Portable Pump and place permanent pump)																			
I29	Drainage Improvement -- Isle of Cuba Transfer (Off-site fuel storage -- gas and diesel)																			
I35	Drainage Improvement -- Old Spanish Trail 6-1B (Place area under Force Drainage to Stop Backwater Flooding)																			
I39	Drainage Improvement -- Savanne Road to Summerfield (Create a force drainage area to stop backwater and storm events flooding)																			
H22	East Theriot to +10'																			
J42	Educational video on evacuation options																			
I94	Emergency Preparedness -- Creation of alternative staging area																			
J7	Emergency Preparedness -- Evacuation Sign Purchase and Placement																			
J3	Emergency Preparedness -- Gauge installation at pump stations near major roadways and bridges/floodgates																			
I98	Emergency Preparedness -- Small Power Radio Station for Hazard Alert																			
J25	Ensure that current and future building elevations take the needs of those individuals with access and functional needs into account. This includes the incorporations of lifts. (Tribal)																			
E7	Expand and Improve Parish wide Sewerage Facilities																			
H25	Extension Orange Street Projects in Grand Caillou -- 2.0 Miles to +10'																			

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A2	Feasibility and Practicality of New Shelters (3-8)			X									
I100	Flood Protection -- Sea wall at Public Works Yard Grand Caillou Road										X		
I101	Flood Wall and Pump Installation for Terrebonne General										X		
D2	Gibson to Houma Hurricane Protection					X							
D3	Houma and Vicinity Hurricane Protection					X							
E2	Identification of Donor and Placement Sites for Sediment Deposition									X			
J26	Identify mechanisms to protect the Island Road from surge and tidal impacts. This might include engineered solutions to decrease wave impacts and/or erosion control mechanisms along the edges of the road. (Tribal)												X
J22	Identify vulnerable historic and cultural resources, as well as opportunities to protect and/or relocate historic assets (Tribal)												X
E1	Implement Capital Improvement Program to Enhance Inner Ring of Tidal Protection/Forced Drainage Levees									X			
H1	Industrial Blvd Gap -- 2.1 Miles to +8'										X		
I132	Infiltration Reduction of Underground Wastewater System (Testing needed for Locations)											X	
H7	Intracoastal Canal Near Palm Street -- 2.3 Miles to +6.5'										X		
J30	Library Storm Preparation and Recovery Flashcards												X
H24	Lower Point Au Chene -- .85 Miles to +10'										X		\$25,000.00
I133	Modification to Village East Lift Station (Conversion from Dry Pit to Submersible Station)											X	
I134	New Water Storage Tank -- Terrebonne General Medical Center (1,000,000 Gallons, \$750,000)											X	
E11	North-South Hurricane Evacuation Route									X			
J44	Portable billboards to update emergency instructions or evacuation routes/changes												X
J23	Protect historic and cultural resources, such as cemeteries and gathering places from all hazards (Tribal)												X
J36	Review capacity to increase nonresidential structure mitigations												X
E3	Review of Louisiana Coastal Zone Management Program									X			
J29	Safe Harbor Study and Education Campaign												X
E6	Secure Congressional Authorization and Construct the Morganza to the Gulf Hurricane Protection System and Enhance and Protect Critical Waterways in the Parish.												X
J43	Signage for evacuation routes												X
F6	Sponsor a "Multi-Hazard Awareness" Week												X
J33	Storm Preparedness Literacy Project												X
J32	Storm Recovery Phase Code Enforcement Capacity												X
J31	Structure Inventory												X
H	Susie Canal Improvements in Grand Caillou -- 5.3 Miles to +8'												
H26	West Ward 7 -- 15.9 Miles to +10'												X
J27	Work with communities currently residing in flood prone areas, particularly outside of the levee systems, on the identification of flood mitigation and climate adaptation measures to reduce flood risk. (Tribal)	UHN/Tulane Study	afoot										X

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J28	Work with the communities currently residing in at risk areas on the development of evacuation plans including access to shelter and transportation assistance as needed. (Tribal)												X
J9	Replacement of wooden lift station fence/gates with chain link to mitigate wind damage												X
I159	Wind Retrofit -- Headstart Center												X
I137	Generators--Montegut Middle School						X						X
I177	Wind Retrofit and Elevation -- Houma Plant 3 (Install shutters or impact resistant glass on windows, strengthen doors, raise pumps and electrical panels)												X
I22	Drainage Improvement -- D-20 Schriever Pump Station Bar Screen Cleaner												X
I172	Wind Retrofit -- Schriever Elementary												X
I9	Drainage Improvement -- Ann Carroll, Jean Street, Duet Street, and Grace Street (Upgrade Culvert size to drain water from middle of streets)												X
I113	Drainage Improvement -- Bayou Lacache Pump Canal (Widen and Deepen Canal from Lacache Estate to Pump Station)												X
I114	Drainage Improvement -- Bayou Lacarpe (Widen Channel from Tunnel Blvd to pump station and upgrade bar screen cleaner	?											X
F7	Generator -- 150KW for Valhi Lift Station	?											
	Pursue elevation/acquisition/reconstruction and flood proofing projects and structural solutions to flooding.	ongoing					X						
	(From D-12 to Cement Lined Ditch, Widen and Deepen												
I12	Communications -- Conversion of SCADA system from Phone to Radio (Airbase Jr., Applied Hydraulics, Ashland North 1, Ashland North 2, Ashland South, Bobtown, Bourg Heights, Central Heights, Clinton St. Package Plant, Dulac, Edgewood, Frank, Grmoco, Green Acres 1, Green Acres 2, Indian Ridge, Jail, James, Lafayette Woods, Mary Hughes, Moffet/Saia, Orange/Marjorie, Patriot Point, Presque Isle 1, Presque Isle 2, Riley, Rounds, Sandcastle, Sarah, Smithridge 1, Smithridge 2, Thunderbird, Village East)												X
I13	Communications -- Hazard Warning System (Gauges Strategically Placed, N-Star)												X
I17	Connect Station to emergency generator -- Munson PS												X
I110	Drainage Improvement -- Ashland North D-60 Tideflex valves on discharge pipes												X
I111	Drainage Improvement -- Bayou Grand Caillou (D-9 South the Landfill Road, Widen and Deepen Channel)												X
I112	Drainage Improvement -- Bayou Grand Caillou (From Oaklawn School to D-9 Pump Station, Widen and Deepen Channel)												X
I115	Drainage Improvement -- Bellaire Drive (Increase Culvert Sizes and Slope Ditches)												X
I119	Drainage Improvement -- Crochetville Road Storm Water Diversion canal with flap gates												X
I121	Drainage Improvement -- D-13 Industrial Blvd. Motorized screw gates												X
I124	Drainage Improvement -- Evelyn Lateral Between (Subsurface drainage in lateral ditch from Frank street to Perky street)												X

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127	Drainage Improvement -- Industrial Pump D-13 Trash Screen and Bar Screen Cleaner																			X			
131	Drainage Improvement -- Lower Montegut D-2 Tideflex Valves on discharge pipes																				X		
132	Drainage Improvement -- Martin Luther King Blvd (Increase Culvert Size in pump canal under highway in bonanza system)																				X		
134	Drainage Improvement -- Oak Forest Street (Increase in Culvert Sizes and Pump Station)																				X		
136	Drainage Improvement -- Old Spanish Trail 6-1B (Put Screw Gates on Culvert Crossings)																				X		
138	Drainage Improvement -- Royce Street (Increase culvert size to stop rainfall flooding)																				X		
140	Drainage Improvement -- South Ellendale Estates Lateral (Dig and possible widen lateral from subdivision to Hanson Canal)																				X		
145	Dry Floodproof RL Structure Next to Robinson Canal (Meeting #3)																				X		
146	Dry Floodproofing -- Infiltration Reduction of Underground Wastewater Collection System																				X		
147	Elevation -- Bayou Dularge Tank building and chlorination equipment																				X		
148	Elevation -- Fire Station (raise 2', history of flooding, 75'x75' Slab) (1466 Hwy 665)																				X		
149	Elevation -- Fire Station in Chauvin																				X		
150	Elevation -- Generator for Riley Drive Lift Station																				X		
151	Elevation -- Grand Caillou Tank building																				X		
152	Elevation -- Industrial Blvd from Van Ave to Pump Station																				X		
153	Elevation -- Leachate Removal System																				X		
154	Elevation -- Lift Stations with Self Priming Pumps (Bourg Heights, Edgewood, Ashland North, Ashland North II, Ashland South, Woodlawn Ranch, Saia, Prospect, Carriage Cove, Green Acres I, Green Acres II, Lafayette Woods, Lorraine Park, Presque Isle, Presque Isle II, Chabert Medical Center, Service Center, Smithridge I, Smithridge II, South Terrebonne Estates, Riley Drive)																				X		
155	Elevation -- Lift Stations with Submersible Pumps (Bobtown, Dulac, Orange Street, Airbase Jr., Patriot Point, Rounds Road, Applied Hydraulics, Gemoco, Indian Ridge, James Road, Sandcastle, Thunderbird Road)																				X		
156	Elevation - Lower Dulac Tank Building and Chlorination equipment																				X		
157	Elevation -- Montegut Station (100'x75')																				X		
159	Elevation -- Orange Street Wastewater Plant Controls																				X		
160	Elevation -- Pointe-Aux Chenes Pump Station building and electrical pump, regulating valve and meter																				X		
161	Elevation -- Robinson Canal P.S. Building, electrical pump, regulating valve, and meter																				X		
162	Elevation -- Scale																				X		
163	Elevation -- South Terrebonne Pump Station building and pump																				X		
164	Elevation -- Terrebonne General Medical Center Main Plant Electrical Switch Gear, Boilers, and Chillers (\$2,750,000)																				X		

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I65	Elevation -- Texaco Master Meter Building, regulating valve and meter											X		
I66	Elevation -- West Gibson Tank building and chlorination equipment											X		
I67	Elevation of Local Evacuation Route -- 1 Mile Section of LA 56 in Chauvin, LA (Ward 7 Evacuation Routes)											X		
I68	Elevation of Local Evacuation Route -- 1.5 Mile Section of LA 315 near the Dularge Bridge (Evacuation Route for Bayou Dularge and Crozier, Floods in a strong south wind)											X		
I69	Elevation of Pump Station Roads -- D-19, D-12, and D-5 Pumps											X		
I70	Elevation to ABFE -- D-01-06, 11, 15, 21, 36, 37, 41-62, 65, 69 Gear Drives, Motors, and Controls											X		
A3	Flood Proof Essential Community Facilities (Power Plants, Substations, Hospitals) (3-8)		X											
F1	Flood Proof Terrebonne Parish EOC, Terrebonne Parish General Medical Center, Chabert Medical Center, The TPCG Generating Station and the 2 Consolidated Waterworks Treatment Plants										X			
F8	Investigate and implement localized interior drainage projects at Lower Bayouside Drive, Savanne Road, Ringo Cocks to Hudson Canal, LA 311 at Hollywood Road, Parish Road 15 at Mandalay, and Susie Canal at Ashland South, which are repetitive loss areas, and reduce its flood potential.										X			
I135	Relocation -- Deadwood											X		
I143	Wind Retrofit -- Bac-T Lab (install shutters or impact resistant glass on windows, strengthen doors)											X		
I144	Wind Retrofit -- Bob Jones Building (Cat 4 or 5)											X		
J17	Wind Retrofit -- Bourg Fire Department (4317 Hwy 24) Windows with Shutters												X	\$25,000.00
I145	Wind Retrofit -- Bourg Fire Station, 2 Bay Doors (22'x10', 14'x10') and 3 Windows (36"x36")											X		
I146	Wind Retrofit -- Buquet Bridge and Klondyke Bridge Tender's Buildings (Cat 3)											X		
J18	Wind Retrofit -- Coteau Fire Department (2325 Coteau Rd) Window with Shutters												X	\$25,000.00
I149	Wind Retrofit -- Coteau Fire Station (include main structure, apparatus room, generator room doors)											X		
I153	Wind Retrofit -- Evergreen Junior High											X		
I154	Wind Retrofit -- Fire Stations (central, #2, #3, #4) Shutters											X		
I155	Wind Retrofit -- Garage Doors (407 Island)											X		
I157	Wind Retrofit -- Gulf States LTAC											X		
I160	Wind Retrofit -- Houma Junior High											X		
I161	Wind Retrofit -- Houma Municipal Auditorium											X		
I164	Wind Retrofit -- Legion Park Middle											X		
J19	Wind Retrofit -- Little Caillou Fire Department (4588 Hwy 56) Windows with Shutters												X	\$25,000.00
J20	Wind Retrofit -- Little Caillou Fire Department (5610 Hwy 56) Windows with Shutters												X	\$25,000.00
J21	Wind Retrofit -- Little Caillou Fire Department (6668 Hwy 56) Windows with Shutters												X	\$25,000.00
I165	Wind Retrofit -- Main Library											X		
I167	Wind Retrofit -- Montague, Pointe Aux Chenes Fire Stations (5 Windows at 1466 Hwy 665, 6 Windows at 407 Island Rd, 6 Windows at 1746 Hwy 55)											X		

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J16	Wind Retrofit -- Montegut Fire Department (1105 Hwy 55) Garage Doors											X	\$30,000.00
I168	Wind Retrofit -- Morgue											X	
I170	Wind Retrofit -- North Terrebonne Standpipe (strengthen door)											X	
I173	Wind Retrofit -- Sludge Press Building (strengthen doors)											X	
I174	Wind Retrofit -- South Terrebonne High School											X	
I176	Wind Retrofit -- Terrebonne High School											X	
J14	Wind Retrofit -- Waterworks Office Complex at 8814 Main Street, Houma, LA												X
	Wind Retrofit -- West Park Elementary												
I178	Wind Retrofit and Elevation -- Houma Plant High Service pumps and electrical panels, strengthen door											X	
I179	Wind Retrofit and Elevation -- Lafort Canal RW PS (elevate pumps and generator, strengthen door)											X	
I180	Wind Retrofit and Elevation -- Munson PS (Elevate Building, electrical pumps, regulating valves and meters, Install Shutters on windows, strengthen the doors)											X	
I182	Wind Retrofit and Elevation -- Shell PS (elevate pumps and electrical panels, strengthen door)											X	
I183	Wind Retrofit and Elevation -- Williams Street Pump Station (elevate pumps and electrical panels, strengthen door)											X	
I199	Floodproof -- Terrebonne Parish General Medical Center, The TPCG Generating Station, and the 2 Consolidated Waterworks Treatment Plants											X	

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Project	Responses, Comments or Notes	Requested by	Update for 2020	To Do
Hanson Canal- Chacahoula Pump Station	In process.			
Hanson Canal Generators -			Purchased	
Elliot Jones/Geraldine Pump Stations - WSI*			Verbal from Governor	Get President into discussions with the Governor.
Bayou Black Pump Station - WSI			Application through PDM 2019	
Fire House Hardening - Windows and Doors	Volunteer stations primarily.			
Firehouse Generator Project	Funding request pending.		Montegut and Pointe au Chenes served	Check with Sheriever and then down the bayou for next time.
Black Start Generator - Utility Department	Funded.			
Pump Station Generator - Public Works	Funding request pending.			
Oyster Bed Construction Phase	Partially funded.		Application in development for PDM 2019	
Living Mitigation - Lake Boudreaux Construction Phase	Partially funded with CDBG through LA SAFE.		In process. Funding required for 100%	
HNC Pump Station- WSI				
Cypress Grove Culverts and Sluice Gates				
Lake Boudreaux Shoreline Stabilization Project - Ongoing				
Lake Barre' Living Shoreline Protection Project			completed - why here?	
Lake Felicity Ridge Restoration Project			In CPRA 2012 plan. In latest?	
Match Assistance Program	For individuals.	Planning Department - RAMP	Completed.	
Local Support for Mitigation Activities - Match			Not put to council yet. Elevators of particular interest.	
Coordinate Recreation Activities with Stormwater Retention				
Incorporate Regional Stormwater Management project with State Watershed Initiative			In process through SCPDC/WSI	
Combining Traditional Elevation and Restoration with Stormwater Retention or Soi Stabilization Projects			Elevations/Recons in 2019 FMA application	
Liberty Street Dredging and Marsh Creation				
Levee District Boudreaux Marsh Terrace Creation				
Cypress Tree Plantings for Natural Retention and Shoreline Stabilization	In partnership with NGOs, the Tree Board and corporate sponsors.	Planning Department - RAMP		
Develop H&H Study List for Advance Assistance			Lacarbe in 2019 FEMA application.	
Survey major thoroughfares for shoreline hardening - avoid undermining o transportation routes				
H&H Studies on lake shorelines and marsh projects				
Dual Use Park and Regional Stormwater Retention or Detention as Necessary				
1-1A Stormwater Retention Basin				
Identify Opportunities/seek funding for engineering, H&H Studies for living shorelines				
Identify Opportunities/seek funding for engineering, H&H Studies for feasible marsl creation or restoration options.				
Seek opportunities to work with university system/ academics to study the efficacy o new technologies				
Study permit application support initiatives and regulatory advocacy to promote private investment in restoration and protection efforts			2018 student study on alternatives.	
Westside Stormwater Detention Project				
Study permit application support initiatives and regulatory advocacy to promote private investment safer, more energy efficient structures			Duplicate	
Research avenues to identify any and all funding sources to support private investment in flood or wind mitigation efforts including new construction.				
Wonder Lake Environmental Control Structures				
Pollution Control Operator's Room Hardening				
1-1A Drainage Pump Station @ Fannie Street				
Elevation of Savanne Road- Rouses Going West to curve		Pollution Control		
5 New Company vehicles Forced Drainage Levee Maintenance		Forced Drainage		
20 5:1 M22 Gear Drives for Woodlawn Pump Station and Coteau Pump Stations.		Pollution Control		
Bar screen cleaners for Woodlawn Station and also 1-1b Hwy 182 Pump Station		Forced Drainage		
2 Gradals 4400 xl / Daily maintenance and storm debris cleanup.		Forced Drainage		
1 vacuum truck / culvert cleaning / storm response		Forced Drainage		
1 50ft boom excavator with tree cutter attachment		Forced Drainage		
Monarc /Hollywood outfall channel / Drainage improvments /		Christa Duplantis	Not relected - Priority?	
Alma at Westside Drainage improvement project		Forced Drainage	Selected for funding from PDM 2018	
Cat 5 Public Works / Drainage office / North Campus		Forced Drainage		
Rebuild and relocate the 1-1a Bonanza Levee		Forced Drainage		
Rebuild and relocate the Donner Chacahoula Levee		Forced Drainage		
Revitalize 10 Drainage Pump Stations		Forced Drainage		
Remote Weather Stations at Fire Stations throughout Parish		Forced Drainage/OEP		
Vehicles for various departments due to obsolesence/age			2 for HPD (2018 and 2019), one for Planning, Finance, and Head Start (all 2019).	
Shell/Savanne regional Stormwater Retention and Recreation Facility				
Retraining and educational programs for economic stability and local job creation			Fletcher coastal program.	
Investigate projects to improve drainage improvements down Grand Caillou/Dulac an identify and fund specific projects	submitted during review	Steering Committee		

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Research the benefit of bulk-heading of lands on Shrimpers Row that meet with th Navigational Canal to protect shorelines and property and identify and fund specific projects	submitted during review	Steering Committee		
Research the effect of erosion and degraded marsh conditions on pipelines to support coastal restoration or protection efforts.	submitted during review	Steering Committee		

* State Watershed Initiative

- Timeframe: Ongoing
 - Funding: HMA, state
 - Staff: Planning and Zoning, Housing and Human Services
 - Hazard Event Mitigated: Hurricane/Flooding/Levee Failure
- Action 4.2.4: Work with landowners in flood prone areas, particularly outside of the levee systems, and other stakeholders to identify flood mitigation and climate adaptation measures to reduce flood risk.*
- Timeframe: Ongoing
 - Funding: HMA, state
 - Staff: Planning and Zoning
 - Hazard Event Mitigated: Hurricane/Flooding/Levee Failure/Saltwater Intrusion/ Coastal Erosion

Action 4.2.5: Work with communities currently residing in flood prone areas, particularly outside of the levee systems, on the identification of flood mitigation and climate adaptation measures to reduce flood risk.

- Timeframe: Ongoing
- Funding: HMA, state, CDBG, local
- Staff: Planning and Zoning
- Hazard Event Mitigated: Hurricane/Flooding/Levee Failure/Saltwater Intrusion/ Coastal Erosion

Action 4.2.5: Research partners and low tech or low cost alternatives for marsh, coastal or shoreline protection or restoration programs to reduce harm from all hazards.

- **Goal 5: Assess the feasibility of setting a uniform standard of protection incorporated into all drainage, development and mitigation activities.**
- **All actions under this goal will be approached as follows:**
 - Timeframe: 1-5 years
 - Funding: HMA, state, Watershed Initiative, BRIC
 - Staff: Planning and Zoning, Administration, Public Works
 - Hazard Event Mitigated: Hurricane/Flooding/Levee Failure/Saltwater Intrusion/ Subsidence

Action 5.1 Review the level of risk currently acceptable across all relevant plans or codes and compare to flood ordinance requirements.

Action 5.2 Develop a benefit cost assessment for the economic impact of higher standards including attracting high value businesses and insurance savings.

Action 5.3 Approach regional partners to coordinate stormwater management plan and uniform standard of protection for all drainage, development, and mitigation activities.