## 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

						1	1	1	ı							
		Coastal														
		Wetlands Planning,		Coastal	ESF-14 (TP			TP Feasibility							1-5 years	Responsible
			Coastal Impact	Protection &	Long Term	TP Hazard	TP 1603 DR	Study for Levee					Parish	Desired		Department/
		Restoration Act	Assistance	Restoration	Recovery Plan)	Mitigation Plan	2008 Letter of	Enhancement	Project 2010	New Projects,		Level of		Timeline to		Division for
	Project	(B)	Program (C)	Authority (D)	(E)	(F)	Intent (G)	Projects (H)	Update (I)	2014 Undate (I)	Approximate Cost	Priority	Complete	Complete	15 years	Implementation
	Forced Drainage 1-1B Channel Improvement (Maintenance	(2)	r rogram (c)	rumorny (D)	(L)	(-)	mem (G)	Trojecto (11)	opune (1)	2011 Opunie (b)	ripproximate cost	Thomas	Complete	Comprete	15 years	imprementation
G4	& Dredging)						X									
	Drainage Improvement D-20 Schriever Pump Station Bar															
122	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														
	GIWW Bank Restoration of Critical Areas in Terrebonne															
B25	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										ļ	ļ			
B19	Mandalay Bank Protection Demonstration	X										<u> </u>				
B18	New Cut Dune and Marsh Creation	X					ļ									
B16	North Lake Menchant Landbridge Restoration	X				ļ	ļ	ļ				ļ	ļ			
B14	Penchant Bases Natural Resources PlanIncrement 1	X										ļ	ļ			
B13	Point Au Fer Canal PlugsSaltwater Intrusion	X								ļ		<b> </b>	ļ			
B12	Raccoon Island Breakwater Demonstration	X				1	<b>.</b>		-	1		<b> </b>	<u> </u>			
B11	Raccoon Island Shoreline Protection/Marsh Creation	X										1				
B9 B7	South Lake De Cade Freshwater Introduction	X														
B6	Terrebonne Bay Shore Protection Demonstration	X														
B5	Thin Mat Floating Marsh Enhancement Timbalier Island Dune and Marsh Creation	X					1									
B4	Timbalier Island Dune and Warsh Creation  Timbalier Island Planting Demonstration Overview	X X											1			
D4	West Lake Boudreaux Shoreline Protection and Marsh	Λ														
В3	Creation	X														
B1	Whiskey Island Restoration	X										1	1			
D1	Communications - Community Alert System (First Call),	Λ														
	Reverse 911, Community Hotline, Alert FM, Redundant															
J2	Phone System at EOC									X						
	Drainage Improvement D-3 Upper Montegut Bar Screen												1			
123	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						
1						]	_					1				
I148	Wind Retrofit Civic Center (Shutters or Window Film)						ļ		X			<u> </u>	Yes			
I150	Wind Retrofit Courthouse Annex (Window Film)						ļ		X			ļ	Yes			
L	Wind Retrofit Harden Front and Back Doors of					1	I					1	L			
I158	Convention Center								X			ļ	Yes			
I171	Wind Retrofit Roof of Convention Center								X	ļ		<b> </b>	Yes			
D9	Barrier Shoreline Restoration in Terrebonne Parish			X						ļ		<u> </u>	<u> </u>			
B20	Madison Bay Marsh Creation & Terracing	X					-					<b> </b>				
D8	Ridge Habitat Restoration in Terrebonne Parish			X		<b> </b>	-	<b> </b>				<b> </b>	<u> </u>			
B20	Terrebonne Bay Marsh Creation - Nourishment	X				<del> </del>	<b>!</b>	<b> </b>		1		<b> </b>	ļ	1		
B2 C8	Whiskey Island Back Barrier Marsh Creation Atchafalaya Long Distance Sediment Pipeline	X	v				<b>-</b>			-		High	<u> </u>			
Co	Bayou DeCade Ridge Restoration		X			-	<del>                                     </del>			1		High	<b> </b>	<del>                                     </del>		
-	Bayou DeCade Ridge Restoration  Bayou DuLarge Ridge Restoration					-	<del>                                     </del>			1		High High	<b> </b>	<del>                                     </del>		
-	Bayou Pointe aux Chenes Ridge Restoration						+					High				
	Bayou Terrebonne Ridge Restoration						<del> </del>					High	<u> </u>			
C2	Beach and Back Barrier Marsh Restoration		X			1	t	1		1		High	<b> </b>	1		
C2	Caillou Lake-Lake Mechant Marsh Creation		Λ				<b>+</b>					High				
	Falgout Canal Marsh Creation						<b>†</b>			1		High	1			
	1 . 0						1	·		1		1-2-5	1			

State Stat		T														<del></del> -	
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Mark Restorates Integra Design Marcard or Tourisment   No.   No.																	
25   No.													High				
Column   C																	ļ
Secular Foreign Toy Marked Contents   Secular Foreign Secular Secular Contents   No.   N					X												
Source Source Committee Name Norgational Control   X   Source Sou				X													
Soul Report Labour Rober Execution  Figh   Figh   Final Program Record Control of the Control of																	
Page				X													
Signature   Sign																	
Second principle Purp Statement on control of Journal of Statement and control of Journal of Statement and control of Statement and Statemen													High				
In Bonding, Munitored and controlled restrictly during a man	2	0 Pump Stations/Scada/Telemetry, the automation of															Į.
11	fe	orced drainage Pump Stations to reduce response time and															Į.
Description	fl	looding. Monitored and controlled remotely during storm															ŀ
Column   Finder Care   February Endocrate Plance   X	11 e	vents									X	\$3,000,000.00	High				ŀ
North Lab Bouleaus Stean Probested Introduction and District Historic Probability (Probested Introduction and District Historic Probability (Probability Historic Probability Shore)  North Lab Bouleaus Stean Probested Historic Probability (Probability Shore)  North Lab Bouleaus Stean Probability Shore)  North Lab Bouleaus Stean Probability Shore (Probability Shore)  North Lab Boul	329 C	Coastwide Nutria Control Program	X														
North Lake Boudeness Basin Freshouter Introduction and M. Y. Share Literace for Vestiland Association Demonstration X. No. 10. Natural Literace for Vestiland Association Demonstration X. No. 10. Natural Literace for Vestiland Association Demonstration X. No. 10.	C1 F	algout Canal Freshwater Enhancement Phase I		X													
Part   Paylonding Management   X	D1 N	Morganza to the Gulf			X												
Part   Paylonding Management   X	N	North Lake Boudreaux Basin Freshwater Introduction and												1			-
1515   Wind Enterfic - Overement Town (Virthory Film)			X			I								]			ļ
150   Word Retain - House 170						1		İ	İ		i			i i			
1822   Wind Remfit - Homos PT						t				X				Yes			
Emergency Proposedness - Mining Showers						†					1					-	
Point Au Fer Island Manife Creation			<u> </u>			<b>†</b>		1						<del> </del>		-+	
Note As Fee Islands Solverings Protection			-			<b> </b>				- 1	1		Low	<del>                                     </del>	<del> </del>	$\longrightarrow$	
10.2														<del>                                     </del>			
Slap Shade Whilekey West Flank Restoration X Concentration Control Restoration Medical School, House Patient Certain Flank Restoration And School Control Restoration			Y			<del>                                     </del>					<del>                                     </del>		LOW	<del>                                     </del>	<del></del>	$\longrightarrow$	
Concentrative - Central Fine Department Fresholms																	
Middle School, House Police Department, Tercebonne   Parish Circ Center, Tercebonne Parish Públic Works   X			Λ			-								+			
Parish Civic Center, Terebome Parish Public Works   X																	ļ
1137   building, Terebonne Parish EOC   X   X																	Į.
							37			**							Į.
Mississipp River Long Distance Sediment Pipeline							X			X							
Safe Room - Bayou Country Road																	
Alchafalaye Rer Diversion   Priority   Bayou DeCade Marsh Creation   Priority   Priority   Bayou DeCade Marsh Creation   Priority				X													
Bayou Cheer Floodgate											X						
Bayou DeCade Marsh Creation   Priority																	
Bayou Fenchant Marsh Creation   Priority																	
1830   Central Terrebonne Freshwater Enhancement   X													,				
December   December																	
Closure of Branches of GIWW   X   Priority			X										Priority				
Communications Tower North Campus/Telemetry/Forced					X								Priority				
Data-Cocordie Marsh Creation   X   S400,000.00 Priority   Data-Cocordie Marsh Creation   Priority   Data-Cocordie Marsh Creation   X   Priority   Data-Cocordie Marsh Creation   X   Priority   Data-Cocordie Marsh Creation   X   Priority   Data-Cocordie Marsh Creation   Data-Coc	C3 C	Closure of Breaches of GIWW		X									Priority				
Dulac-Cocodric Marsh Creation   Priority	C	Communications Tower North Campus/Telemetry/Forced															
D7	6 E	Orainage									X	\$400,000.00	Priority				
HNC-Lake Mechant Marsh Creation   Priority   Generator - Public Works - Portable Trailer Unit Mounted   State   Stat	Ε	Oulac-Cocodrie Marsh Creation											Priority				
Generator - Public Works - Portable Trailer Unit Mounted	D7 F	reshwater Introduction via Blue Hammock Bayou			X								Priority				
Generator - Public Works Portable Trailer Unit Mounted	E	INC-Lake Mechant Marsh Creation											Priority				
1125   for 6 Treatment Plants (56KW)   X   X	C	Generator Public Works Portable Trailer Unit Mounted															
1127   Generator - Public Works Valhi Lift Station (135KW)   X   Generator - Public Works, Service Center Yard (400 KW   X   X   X   X   X   X   X   X   X						I				X				]			
Generator Public Works, Service Center Yard (400 KW  1130 208/480 Volt)  Lower Atchafalaya Marsh Creation  Mauvais Bois Ridge Restoration  Friority  Generator Public Works Forced Drainage Pump  1138 Station D-03, D-07, D-12, 20KW  Automatic Bar Screen Cleaners (Pump Stations D-58, D-60)  G1 03, D-69, D-22, D-28, D-07, D-21)  Multipurpose Operation of the Houma Navigational Canal  E12 Plan, Implement, and Construct Parish wide Sewerage  Floodproof Terrebonne Parish General Medical Center, The TPCG Generating Station, and the 2 Consolidated  Waterworks Treatment Plants  A V  S V  S V  S V  S V  S V  S V  S V						1		İ	İ		i			i i			
1130   208/480 Volty   208/4						t								† †			-
Lower Atchafalaya Marsh Creation Mauvais Bois Ridge Restoration Priority Terrebonne GIWW Marsh Creation Generator - Public Works Forced Drainage Pump I138 Station D-03, D-07, D-12, 20KW Automatic Bar Screen Cleaners (Pump Stations D-58, D-G1 03, D-69, D-22, D-28, D-07, D-21)  Multipurpose Operation of the Houma Navigational Canal X E12 Plan, Implement, and Construct Parish wide Sewerage Floodproof Terrebonne Parish General Medical Center, The TPCG Generating Station, and the 2 Consolidated Waterworks Treatment Plants  Y  Y  Y  X  Y  Y  X  X						I				X				]			ļ
Mauvais Bois Ridge Restoration Terrebonne GIWW Marsh Creation Generator Public Works Forced Drainage Pump Station D-03, D-07, D-12, 20KW Automatic Bar Screen Cleaners (Pump Stations D-58, D-G1 03, D-69, D-22, D-28, D-07, D-21)  Multipurpose Operation of the Houma Navigational Canal X E12 Plan, Implement, and Construct Parish wide Sewerage Floodproof Terrebonne Parish General Medical Center, The TPCG Generating Station, and the 2 Consolidated Waterworks Treatment Plants  Mauvais Bois Ridge Restoration Priority  X Priority  X Priority  X  Priority  X  Priority  X  Y  X  Y  X  Y  X  Y  X  Y  Y  Y  Y			+			<b>†</b>		1					Priority	<del>                                     </del>		-	
Terrebonne GIWW Marsh Creation Generator - Public Works Forced Drainage Pump I138 Station D-03, D-07, D-12, 20KW Automatic Bar Screen Cleaners (Pump Stations D-58, D-G1 03, D-69, D-22, D-28, D-07, D-21)  Multipurpose Operation of the Houma Navigational Canal X  E12 Plan, Implement, and Construct Parish wide Sewerage Floodproof Terrebonne Parish General Medical Center, The TPCG Generating Station, and the 2 Consolidated Waterworks Treatment Plants  Priority  X  Priority  X  S  X  S  X  S  S  S  S  S  S  S  S			-			<b> </b>							,	<b> </b>	-	$\longrightarrow$	
Generator Public Works Forced Drainage Pump  I138 Station D-03, D-07, D-12, 20KW  Automatic Bar Screen Cleaners (Pump Stations D-58, D-  G1 03, D-69, D-22, D-28, D-07, D-21)  X  D4 Multipurpose Operation of the Houma Navigational Canal  E12 Plan, Implement, and Construct Parish General Medical Center,  The TPCG Generating Station, and the 2 Consolidated  I99 Waterworks Treatment Plants  X  Priority  X  Priority  X  Y  Y			-			-							,	<b> </b>	-	$\longrightarrow$	
Station D-03, D-07, D-12, 20KW   X   Priority			+			<del>                                     </del>					<del>                                     </del>		TIVITTY	<del>                                     </del>	<del></del>	$\longrightarrow$	
Automatic Bar Screen Cleaners (Pump Stations D-58, D- G1 03, D-69, D-22, D-28, D-07, D-21)  D4 Multipurpose Operation of the Houma Navigational Canal X E12 Plan, Implement, and Construct Parish wide Sewerage Floodproof Terrebonne Parish General Medical Center, The TPCG Generating Station, and the 2 Consolidated Waterworks Treatment Plants  X  X  In the treatment Plants  X  X  X  In the treatment Plants  X  X  In the treatment Plants  X  X  In the treatment Plants  X  X  In the treatment Plants  X  X  In the treatment Plants  X  X  In the treatment Plants  X  X  In the treatment Plants  X  X  In the treatment Plants						I				v			Driorit	]			ļ
G1 03, D-69, D-22, D-28, D-07, D-21)  D4 Multipurpose Operation of the Houma Navigational Canal X  E12 Plan, Implement, and Construct Parish wide Sewerage X  Floodproof Terrebonne Parish General Medical Center, The TPCG Generating Station, and the 2 Consolidated  199 Waterworks Treatment Plants  X X X X X X X X X X X X X X X X X X X			+			<del>                                     </del>				Λ			1 HOHLY	<del>                                     </del>		$\longrightarrow$	
D4 Multipurpose Operation of the Houma Navigational Canal X E12 Plan, Implement, and Construct Parish wide Sewerage X Floodproof Terrebonne Parish General Medical Center, The TPCG Generating Station, and the 2 Consolidated  199 Waterworks Treatment Plants X						1		v									
E12 Plan, Implement, and Construct Parish wide Sewerage  Floodproof Terrebonne Parish General Medical Center, The TPCG Generating Station, and the 2 Consolidated  199 Waterworks Treatment Plants  X	JI 0	D, D-07, D-22, D-28, D-07, D-21)	1			<del>                                     </del>		X						<del>                                     </del>	-	$\longrightarrow$	
E12 Plan, Implement, and Construct Parish wide Sewerage  Floodproof Terrebonne Parish General Medical Center, The TPCG Generating Station, and the 2 Consolidated  199 Waterworks Treatment Plants  X	, l.	A Minimum On and a Collective No. 100 at 100			**	I								]			
Floodproof Terrebonne Parish General Medical Center, The TPCG Generating Station, and the 2 Consolidated  199 Waterworks Treatment Plants  X					X												
The TPCG Generating Station, and the 2 Consolidated  199 Waterworks Treatment Plants  X						X											
199 Waterworks Treatment Plants X						1											
						I								]			
Expand Forced Drainage to Flood Prone Areas w/o System										X							
			T											i T	T	T	
A1 in Place (3-7)	A1 in	n Place (3-7)				<u> </u>		<u></u>	<u>                                     </u>	<u></u>	<u>                                      </u>		<u></u>	<u>                                       </u>			

F11	reduce flooding, such as requiring proper drainage with	1	1	x	1		ı	1		1	
F11	Construct Communications Infrastructure and Provide			Λ							
E13	Primary Responders with Proper Equipment		X								
H2	Ashland/Woodlawn 2.9 Miles to +8'		A			X					
H19	Brady Road Levee in Dularge 1 mile to +10'					X					
H20	Cane Break to Ashland Levee to +10'					X					
1120	Construct Transportation Improvements Designed to					- 11					
E5	Increase the Economic Viability of Terrebonne Parish		X								
	Drainage Improvement (Chabert Medical Center										
	Levee/Houma Industrial Park) Build Levee from Thompson										
18	Road to Industrial Pump Station						X				
E4	Educate the Public in Disaster Awareness		X								
195	Emergency Preparedness Message Boards						X				
	Emergency Preparedness Nursing Home Evacuation										
197	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							
	Review the existing floodplain ordinance and evaluate ways										
	to improve the Parish's "Community Rating System (CRS)	1		I	I			]			
	rating to reduce the flood insurance premium. Choose from										
	the variety of methods and projects available that can be			1	1						
F9	implemented to improve the CRS rating.			X							
F9 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					
	Drainage Improvement Ann Carroll, Jean Street, Duet										
	Street, and Grace Street (Upgrade Culvert size to drain										
19	water from middle of streets)						X				
	Drainage Improvement Bayou Lacache Pump Canal										
	(Widen and Deepen Canal from Lacache Estate to Pump										
I13	Station)						X				
	Drainage Improvement Bayou Lacarpe (Widen Channel										
	from Tunnel Blvd to pump station and upgrade bar screen										
I14	cleaner						X				
G3	EOC Hardening				X						
	Generator 150KW for Valhi Lift Station										
I105	Generator City Hall (with switching capacity)						X				
	Generator Coteau Fire Station (Natural Gas, includes										
I106	change over switch to ensure response to emergency calls)						X				
I107	Generator Gov't Towers						X				
	Generator Houma Fire Department, Central Station										
I108	(50KW)	1					X				
	Generator Houma Police Department Building	1		I	I			]			
	(Cummings model GFGA 500 KW 120/208 Volt 3 phase,	1		I	I			1			
I109	60 hertz, 1800RPM NG set)	1			ļ		X				
I119	Generator OEP 911 (60KW)	1		ļ	ļ		X	ļ			
L	Generator Pollution Control Portable Unit Trailer	1		I	I			1			
I120	Mounted for 10 treatment plants (50 KW)	1		ļ	ļ		X	ļ			
		1		I	I			1			
I126	Generator Public Works Service Center Yard (400KW)	1					X				
	Drainage Improvement Bonanza Pump Station D-27			1	1						
I17	Tideflex valves on discharge pipes	1					X				
		1						]	I		1
118	Drainage Improvement Coteau 1-1B Bar Screen Cleaner	1			ļ		X				
	Drainage Improvement D-07 Smithridge Pump Station	1		I	I			1			
120	Bar Screen Cleaner	1					X				
	Drainage Improvement Island Road (Stabilize roadway										
I28	shoulders and embankment)	1					X				
	Drainage Improvement Michael Street, Buquet Street,										
	and Daigle Street (Increase Culvert size to drain streets			1	1						
I33	during heavy rain fall)	1					X				
G2	Elevation Residential			1	X						

	Generator Public Works, Buquet Bridge (75 KW 120/240													
I128	Volt)							X						
	Generator Public Works, Klondyke Bridge (75 KW													
I129	120/240 Volt)							X						
	Pursue elevation/acquisition/flood proofing projects and													
F7	structural solutions to flooding.				X									
	Reduce the Potential for Future Flood Losses through the													
E9	Terrebonne Parish Flood Hazard Mitigation Program			X										
	RL and Severe RL Properties Elevation, Acquisition,													
I139	Mitigation Reconstruction (Parish)				<b>_</b>			X				Yes		
I147	Wind Retrofit City Hall (IT Department)				<b>_</b>			X				Yes		
***	150KW generators for Mire, Idlewild, and Elysian Lift													
J10	Stations							77	X					
I37	Drainage Improvement Pump Station Telemetry							X						
I44	Drainage Project Port Commission							X						
	Adopt additional residential and commercial building													
	regulations, which include stricter building standards, Land				1		1	1						
	Use Regulations throughout the Parish consistent with to				I		I	I						
	those that exist within the Urban Services District of				I		I	I						
	Houma and incorporate dry flood proofing techniques.  When the International Building Codes become mandatory,				I		I	I						
E10	they will supersede the existing codes.				v		I	I						
F10	Barrier Plan (Big Bayou Black/Gibson) 1/3 of project 8.4				X		<b>-</b>	<b>-</b>	-		<u> </u>			
H16	Miles to +6.5'				1		X							
H16	Barrier Plan (Big Bayou Black/Gibson) 1/3 of project 8.4						A							
H27	Miles to +6.5'				I		X	I						
П27	Barrier Plan (Big Bayou Black/Gibson) 1/3 of project 8.4				+		Λ	-				1		
Н8	Miles to +6.5'						X							
H10	Bayou Grand Caillou Water Control Structure to +10'	+			+	1	X	<del> </del>	1		<b> </b>	<b> </b>		
H10 H9	Bayou Point Au Chene Sluice Gate to +10'	+			+	1	X	<del> </del>	1		<b> </b>	<b> </b>		
117	Brady Road Levee in Dularge25 miles to Falgout Canal				+		Λ	1			1	1		
H4	to +8'				I		X	I						
H12	Cane Break to Ashland Levee 3.4 Miles to +8'	+			+		X	<del>                                     </del>			<b>-</b>			
.112	Collaborate with communities to design, evaluatej, and	+			+		Λ	t	1		<b> </b>	<b> </b>		
	implement Relocation Strategies for communities located				1									
J24	outside of the levee systems (Tribal)				I		I	I	X					
F	Communications Additional Communications Tower for	<del></del>			<b>†</b>		<b> </b>	<b>I</b>			<b> </b>			
J4	office				I		I	I	X					
-	Communications (Fire, Law Enforcement, Parish, Other)				1	1	†	t	· · ·					
I4	Radios 580 Portables, 372 Mobiles				1			X						
15	Communications for Water Treatment 41 Mobiles	+			1	1	1	X						
16	Communications Tower (Theriot, LA)				1	Ì	1	X						
r e	Develop a Detailed Business Recruitment and Retention				1		1	1						
E8	Plan			X	I		I	I						
F2	Develop Master Drainage Plan				X									
	Drainage Improvement Benoit Crossing (Remove													
I16	Portable Pump and place permanent pump)				I		I	X						
	Drainage Improvement Isle of Cuba Transfer (Off-site													
129	fuel storage gas and diesel)				I		I	X						
	Drainage Improvement Old Spanish Trail 6-1B (Place				1		1	1						
135	area under Force Drainage to Stop Backwater Flooding)				I		I	X						
	Drainage Improvement Savanne Road to Summerfield													
	(Create a force drainage area to stop backwater and storm				I		I	I						
139	events flooding)				1			X						
I43	Drainage Study Airport Commission							X						
H14	East Theriot 9 Miles to +8'						X							
H22	East Theriot to +10'						X							
J37	Education regarding flood safety and property valuation								X	\$5,000.00				
J42	Educational video on evacuation options								X	\$15,000.00				
	Emergency Preparedness Creation of alternative staging													
194	area				<u> </u>		<u></u>	X			<u> </u>			
	Emergency Preparedness Evacuation Sign Purchase and													
J7	Placement				<u>1</u>	<u> </u>	<u> </u>	<u> </u>	X		<u> </u>	<u> </u>		
			_	_						_				

	Emergency Preparedness Gauge installation at pump													
J3	stations near major roadways and bridges/floodgates								X					
	Emergency Preparedness Purchase of Drone for Damage													
J5	Assessment								X					
	Emergency Preparedness Small Power Radio Station for													
198	Hazard Alert							X						
	Ensure that current and future building elevations take the													
	needs of theose individuals with access and functional													
	needs into account. This includes the incorporations of													
J25	lifts. (Tribal)								X					
E7	Expand and Improve Parish wide Sewerage Facilities			X										
	Extension Orange Street Projects in Grand Caillou 2.0													
H25	Miles to +10'						X							
A2	Feasibility and Practicality of New Shelters (3-8)													
	Flood Protection Sea wall at Public Works Yard Grand													
I100	Caillou Road							X						
I101	Flood Wall and Pump Installation for Terrebonne General							X						
	Four P25 Motorola Communications Consoles to be located													
	within the Terrebonne 911 Cat. 5 Hurricane resistant					1			1					
	facility located at 110 Capital Blvd. to be used for					1			1		l			]
	Interoperable Communications between all 15 Terrebonne		Ì	1	1	I		]	I					
	Fire Districts (13 Fire Departments), Law Enforcement					1			1					
	Agencies, OEP, Utilities & Parish Departments (cost		Ì	1	1	I		]	I					]
J45	\$138,000)					1		X	X					
D2	Gibson to Houma Hurricane Protection		X	1		1								
D3	Houma and Vicinity Hurricane Protection		X	1	1	1	Ì	1	1					
	Identification of Donor and Placement Sites for Sediment													
E2	Deposition			X										
	- <del> </del>											1		
	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													
J26	mechanisms along the edges of the road. (Tribal)								X					
J20									Λ					
	Identity vulnerable historic and cultural resources, as well													
J22	as opportunities to protect and/or relocate historic assets (Tribal								X					
JZZ	Implement Capital Improvement Program to Enhance Inner				+				A			1		
E1	Ring of Tidal Protection/Forced Drainage Levees			X										
	Industrial Blvd Gap 2.1 Miles to +8'			Λ			v							
H1	Infiltration Reduction of Underground Wastewater System				+		X					1		
1122	(Testing needed for Locations)							37						
I132	(Testing needed for Locations)							X						
	V													
H7	Intracoastal Canal Near Palm Street 2.3 Miles to +6.5'						X			***				
J34	Levee Safety Educationsl Promotions			1	1	+		1	X	\$30,000.00	<u> </u>	<u> </u>		
J30	Library Storm Preparation and Recovery Flashcards			1	1	+		1	X	\$25,000.00	<u> </u>	<u> </u>		
H24	Lower Point Au Chene85 Miles to +10'			1	1	+	X		-					
Н6	Lower Point Au Chene 3.9 Miles to +8'			1	1	+	X		-					
****	Modification to Village East Lift Station (Conversion from		Ì	1	1	I			I					]
I133	Dry Pit to Submersible Station)				1	<b>_</b>		X			<b>.</b>	ļ		
*10.	New Water Storage Tank Terrebonne General Medical					1			1		1			
I134	Center (1,000,000 Gallons, \$750,000)				1	<b>_</b>		X			<b>.</b>	ļ		
	North of Orange Street Project in Grand Caillou 2.5			1	1	I		]	I					
H3	Miles to +8'			<u> </u>	ļ	<del>                                     </del>	X		<b>.</b>					
H18	North of Orange Street to +10'			ļ		1	X		ļ					
E11	North-South Hurricane Evacuation Route			X		1			ļ					
	Portable billboards to update emergency instructions or					1			1 .					
J44	evacuation routes/changes			ļ		1			X					
				1	1	I		]	I					
	Protect historic and cultural resources, such as cemeteries			1	1	I		]	I					
J23	and gathering places from all hazards (Tribal)		 	<u> </u>	<u> </u>	<u> </u>	<u></u>	L	X		<u> </u>			
	Review capacity to increase nonresidential structure													
J36	mitigations			1	1	I		]	X	Variable				]
E3	Review of Louisiana Coastal Zone Management Program		 <u> </u>	X	<u> </u>	<u>1</u>		<u> </u>	<u> </u>		<u> </u>	<u> </u>	L	
J29	Safe Harvor Study and Education Campaign								X	\$50,000.00				
	•	•												•

	Secure Congressional Authorization and Construct the															
	Morganza to the Gulf Hurricane Protection System and															
E6	Enhance and Protect Critical Waterways in the Parish.				X											
J43	Signage for evacuation routes									X	\$10,000.00					
F6	Sponsor a "Multi-Hazard Awareness" Week					X										
J33	Storm Preparedness Literacy Project									X	\$5,000.00					
J32 J31	Storm Recovery Phase Code Enforcement Capacity				-					X X	Variable \$850,000.00		-			
J31	Structure Inventory Susie Canal Improvements in Grand Caillou 5.3 Miles to									X	\$850,000.00					
Н	Susie Canar improvements in Grand Carriou 5.5 writes to															
J38	Vehicle lift for HPD EOC									X	\$1,500.00		+	-		
H13	West Grand Caillou Levee 4.6 Miles to +8'							X		Λ	\$1,500.00		-			
H21	West Grand Caillou Levee to +10'							X					-			
H26	West Ward 7 15.9 Miles to +10'							X					-			
1120	Work with communities currently residing in flood prone												-			
	areas, particularly outside of the levee systems, on the															
	identification of flood mitigation and climate adaptation															
J27	measures to reduce flood risk. (Tribal)									X						
-	Work with the communities currently residing in at risk		İ													
	areas on the development of evacuation plans including				I											
	access to shelter and transportation assistance as needed.															
J28	(Tribal)									X						
	(From D-12 to Cement Lined Ditch, Widen and Deepen															
·	100 Amp, 3-way SS Disconnects for generator ready			·											T	
J8	connections (approx. 40 Lift station sites)									X						
I1	Blackstart Capacity Houma Power Plant								X							
	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,															
12	Smithridge 1, Smithridge 2, Thunderbird, Village East)								X							
12	Communications Hazard Warning System (Gauges								A				-			
13	Strategically Placed, N-Star)								X							
I7	Connect Station to emergency generator Munson PS								X							
	Drainage Improvement Ashland North D-60 Tideflex				İ											
I10	valves on discharge pipes								X							
	Drainage Improvement Bayou Grand Caillou (D-9 South															
I11	the Landfill Road, Widen and Deepen Channel)								X							
	Drainage Improvement Bayou Grand Caillou (From															
	Oaklawn School to D-9 Pump Station, Widen and Deepen															
I12	Channel)				<u> </u>		<u></u>		X							
	Drainage Improvement Bellaire Drive (Increase Culvert															
I15	Sizes and Slope Ditches)								X							
	Drainage Improvement Crochetville Road Storm Water			·											T	
I19	Diversion canal with flap gates				ļ				X							
	Drainage Improvement D-13 Industrial Blvd. Motorized				ĺ											
I21	screw gates								X							
	Drainage Improvement Evelyn Lateral Between				I											
Y2.4	(Subsurface drainage in lateral ditch from Frank street to				I											
124 125	Perky street)				<b>.</b>				X							
125	Drainage Improvement Highway 24 in Gray Drainage Improvement Highway 315 in Dularge				<b>-</b>				X X					+		
120	Drainage Improvement Highway 315 in Dularge  Drainage Improvement Industrial Pump D-13 Trash	+			-	-			A					-		
127	Screen and Bar Screen Cleaner				ĺ				X							
127 130	Drainage Improvement LA 56 in Chauvin	-			+				X			-				
150	Drainage Improvement LA 36 in Chauvin  Drainage Improvement Lower Montegut D-2 Tideflex	+			<del> </del>				Λ							
I31	Valves on discharge pipes				I				X							
1.71	Drainage Improvement Martin Luther King Blvd				t				Λ							
	(Increase Culvert Size in pump canal under highway in				I											
132	bonanza system)				ĺ				X							
					•	•	•									

Description   Processor   Pr													
Description of the Control Control   Section		Drainage Improvement Oak Forest Street (Increase in											
10   See Carlin of Calenda Changes	I34	Culvert Sizes and Pump Station)					X						
10   See Case of Cale Of Case	-	Drainage Improvement Old Spanish Trail 6-1B (Put											
10	136						Y						
150	150			<del>                                      </del>			24			<del>                                     </del>			
Design Superinters—See Mills Blother Cannel Lorder  10	120						v						
Digitar and proteins which reads allow artificiation of the company of the comp	138						X						
100   2016													
Table   Participa   Particip													
15   Martine   15	I40	Canal)					X						
Section	I41	Drainage Improvement Widen Jeannie Canal					X						
Marcine   Marc													
10   19   19   19   19   19   19   19	145						Y						
Inchestive Content Network Webserland Collection System	143		+	+			A			<del>                                     </del>			
Section	146						v						
Supposed To Revision - First Statistics (vision 2) Indicates of Developing Control of Revision - First Statistics (vision Character Statistics) (vision Char	146						X X			-			
Elevation - Fire Statistics rate 2 - Statisty of Brooking.													
SSO   Salay (1 Med Tarey Kool)	I47						X						
Secretary - Fee States on Chancer		Elevation Fire Station (raise 2', history of flooding,											
Secretary - Fee States on Chancer	I48	75'x75' Slab) (1466 Hwy 665)					X						
Incursion - Community of Ribby Driver Jet Station   X   X		Elevation Fire Station in Chauvin		1			X						
										<del>                                     </del>			
152   Elevation — Indicated likely from Van Ace to Pump Station   X   X   X   X   X   X   X   X   X			+	+ + + + + + + + + + + + + + + + + + + +				+		<del>                                     </del>	<u> </u>	+	
Elevation - London Removal System   X	131	Elevation Grand Camou Fank building				-	X			<del>├─</del> ┼			
Elevation - London Removal System   X		m	1										
Elevation – List Sastoons with Solf Priming Pumps (Roung Heights, Edgewood, Ashband North, Ashba	152												
Register, Edgewood, Ashband North, Ashband North, Ashband North II, Ashband South, Woodlawn Ranch, Sais, Prospect, Curriage Cove, Green Acres I, Green Acres III, Latignete Woods, Learnine Fair, Prospec feb. Prospect feb. Pro	I53	Elevation Leachate Removal System					X						
Register, Edgewood, Ashband North, Ashband North, Ashband North II, Ashband South, Woodlawn Ranch, Sais, Prospect, Curriage Cove, Green Acres I, Green Acres III, Latignete Woods, Learnine Fair, Prospec feb. Prospect feb. Pro													
Register, Edgewood, Ashband North, Ashband North, Ashband North II, Ashband South, Woodlawn Ranch, Sais, Prospect, Curriage Cove, Green Acres I, Green Acres III, Latignete Woods, Learnine Fair, Prospec feb. Prospect feb. Pro		Elevation Lift Stations with Self Priming Pumps (Bourg											
Ashind South, Woodstow Ranch, Sair, Prospect, Carriage Cove, Green Acts J. Green Acts L. Ladysette Woods, Lorance Pack, Prespec list, Prespec list (L. Cabert Lorance Pack, Prespec list, Prespec list (L. Cabert Lorance Pack, Prespec list, Prespec list (L. Cabert Lorance Pack, Prespec list, Prespec list (L. Cabert Lorance Pack, Prespec list, Prespec list, Prespec list, Prespect li													
Cove. Gronz Acres J. Gronz Acres II. Laftspeer Woods.   Larraine Fur. Presque liet. Prespee liet. Pr													
Larraine Park, Presigne 16s, Presigne 16st [Carbert   Medical Cortex, Service Cortex, Strictle Carbon, Strictle (Carbon, Strictle Carbon, St													
Medical Contex, Service Contex, Smithridge   Smithridge													
1.   South Terrebonne Estates, Riley Direct													
Elevation - Lift Stations with Submersable Pumps													
Globtown, Dulac, Orange Street, Arbase Jr., Patriot Point, Rounds Road, Applied Hydraulisc, Genoco, Indian Ridge, Startes Road, Sandcastle, Thunderbird Road)   X   Startes Road, Sandcastle, Thunderbird Road)   X   Startes Road, Sandcastle, Thunderbird Road)   X   Startes Road, Sandcastle, Thunderbird Road)   X   Startes Road, Sandcastle, Thunderbird Road)   X   Startes Road, Sandcastle, Thunderbird Road)   X   Startes Road, Sandcastle, Thunderbird Road)   X   Startes Road, Sandcastle, Thunderbird Road   X   Startes Road, Sandcastle, Thunderbird Road   X   Startes Road, Sandcastle, Thunderbird Road   X   Startes Road, Sandcastle, Thunderbird Road   X   Startes Road, Sandcastle, Thunderbird Road, Sandcastle, Sandcast	I54	II, South Terrebonne Estates, Riley Drive)					X						
Globtown, Dulac, Orange Street, Arbase Jr., Patriot Point, Rounds Road, Applied Hydraulisc, Genoco, Indian Ridge, 155   James Road, Sandcastit, Thunderbird Road)   X   Sames Road, Sandcastit, Thunderbird Road)   X   Sames Road, Sandcastit, Thunderbird Road)   X   Sames Road, Sandcastit, Thunderbird Road)   X   Sames Road, Sandcastit, Thunderbird Road)   X   Sames Road, Sandcastit, Thunderbird Road)   X   Sames Road, Sandcastit, Thunderbird Road)   X   Sames Road, Sandcastit, Thunderbird Road)   X   Sames Road, Sandcastit, Thunderbird Road)   X   Sames Road, Sandcastit, Thunderbird Road   X   Sames Road, Sandcastit, Thunderbird Road   X   Sames Road, Sandcastit, Thunderbird Road, Sandca													
Globtown, Dulac, Orange Street, Arbase Jr., Patriot Point, Rounds Road, Applied Hydraulisc, Genoco, Indian Ridge, Startes Road, Sandcastle, Thunderbird Road)   X   Startes Road, Sandcastle, Thunderbird Road)   X   Startes Road, Sandcastle, Thunderbird Road)   X   Startes Road, Sandcastle, Thunderbird Road)   X   Startes Road, Sandcastle, Thunderbird Road)   X   Startes Road, Sandcastle, Thunderbird Road)   X   Startes Road, Sandcastle, Thunderbird Road)   X   Startes Road, Sandcastle, Thunderbird Road   X   Startes Road, Sandcastle, Thunderbird Road   X   Startes Road, Sandcastle, Thunderbird Road   X   Startes Road, Sandcastle, Thunderbird Road   X   Startes Road, Sandcastle, Thunderbird Road, Sandcastle, Sandcast		Elevation Lift Stations with Submersible Pumps											
Rounds Road, Applied Hydraulics, Gemeo, Indian Ridge,													
Sames Road, Sandcaste, Thunderbrid Road)													
Elevation - Lower Dulac Tank Building and Chlorination	166						v						
Squipment	155						X X			-			
Elevation - Montegor Station (1007/S)													
Elevation - Orange Street Wastewater Plant Controls													
Elevation - Points-Aux Chenes Pump Station building and							X						
Solution   Politism Canal P. S. Building, electrical	I59	Elevation Orange Street Wastewater Plant Controls					X						
Solution   Politism Canal P. S. Building, electrical	-	Elevation Pointe-Aux Chenes Pump Station building and											
Elevation - Robinson Canal P.S. Building, electricial	160						x						
161   pump, regulating valve, and meter	100									<del>                                     </del>			
Elevation - Scale   X   Elevation - South Terrebonne Pump Station building and   X   Elevation - South Terrebonne General Medical Center Main Plant   X   Elevation - Terrebonne General Medical Center Main Plant   X   Elevation - Texaco Master Meter Building, regulating   X   Elevation - Texaco Master Meter Building, regulating   X   Elevation - Texaco Master Meter Building, regulating   X   Elevation - Texaco Master Meter Building and chlorination   X   Elevation - Texaco Master Meter Building and chlorination   X   Elevation - Texaco Master Meter Building and chlorination   X   Elevation of Local Evacuation Route   Mile Section of   X   Elevation of Local Evacuation Route - I Mile Section of   X   Elevation of Local Evacuation Route - I.5 Mile Section of   LA 315 near the Dularge Bridge (Evacuation Route for Bayou Dularge and Crozier, Floods in a strong south wind)   X   Elevation of Pump Station Roads - D-19, D-12, and D-5   Elevation of Pump Station Roads - D-19, D-12, and D-5   X   Elevation of ABFE - D-01-04; D-06; D-15; D-21; D-36-   37; D-40; D-44; D-46; D-15; D-59; D-00; D-15   D-21; D-36-   37; D-40; D-44; D-46; D-15; D-52; D-36-   37; D-40; D-44; D-46; D-15; D-52; D-36-   37; D-40; D-44; D-46; D-15; D-52; D-36-   37; D-40; D-44; D-46; D-15; D-52; D-36-   37; D-40; D-44; D-46; D-15; D-52; D-36-   37; D-40; D-46; D-15; D-52; D-56-   37; D-40; D-46; D-15; D-56; D-59; D-40;	161						v						
Elevation South Terrebonne Pump Station building and pump   X   X   Elevation Terrebonne General Medical Center Main Plant   X   Elevation Terrebonne General Medical Center Main Plant   X   Elevation Texaco Master Meter Building, regulating   X   Elevation Texaco Master Meter Building, regulating   X   Elevation Texaco Master Meter Building, regulating   X   X   Elevation West Gibson Tank building and chlorination   X   Elevation West Gibson Tank building and chlorination   X   Elevation Texaco Master Meter Building and chlorination   X   Elevation Texaco Master Meter Building and chlorination   X   Elevation Texaco Master Meter Building and chlorination   X   Elevation Texaco Master Building and Choraco   X   Elevation Texaco Master Building and Choraco   X   Elevation Texaco Master Building and Choraco   X   Elevation of Local Evacuation Route I Mile Section of   X   Elevation of Local Evacuation Route I.5 Mile Section of   X   Elevation of Local Evacuation Route I.5 Mile Section of   X   Elevation of Local Evacuation Route I.5 Mile Section of   X   Elevation of Pump Bation Roads D-19, D-12, and D-5   Elevation of Pump Station Roads D-19, D-12, and D-5   Elevation of Pump Station Roads D-19, D-12, and D-5   X   Elevation of Local Evacuation Route Texaco   X   Elevation of Local Evacuation Route Texaco   X   Elevation of Local Evacuation Route Texaco   X   Elevation of Local Evacuation Route Texaco   X   Elevation of Local Evacuation Route Texaco   X   Elevation of Local Evacuation Route Texaco   X   Elevation of Local Evacuation Route Texaco   X   Elevation of Local Evacuation Route Texaco   X   Elevation of Local Evacuation Route Texaco   X   Elevation of Local Evacuation Route Texaco   X   Elevation of Local Evacuation Route Texaco   X   Elevation of Local Evacuation Route Texaco   X   Elevation of Local Evacuation Route Texaco   X   Elevation of Local Evacuation Route Texaco   X   Elevation of Local E										<del>                                     </del>			
Elevation Terrebonne General Medical Center Main Plant   Elevation Texes Master Meter Building, regulating   X   Elevation Texes Master Meter Building, regulating   X   Elevation Texes Master Meter Building, regulating   X   Elevation West Gibson Tank building and chlorination   X   Elevation West Gibson Tank building and chlorination   X   Elevation West Gibson Tank building and chlorination   X   Elevation of Local Evacuation Route 1 Mile Section of   X   Elevation of Local Evacuation Route 1.5 Mile Section of   X   Elevation of Local Evacuation Route 1.5 Mile Section of   X   Elevation of Local Evacuation Route for   X   Elevation of Local Evacuation Route for   X   Elevation of Local Evacuation Route for   X   Elevation of Local Evacuation Route for   X   Elevation of Dump Station Rouds D-19, D-12, and D-5   Elevation of Pump Station Rouds D-19, D-12, and D-5   Pumps   Elevation of ABFE D-01-04; D-06; D-15; D-21; D-36-   37; D-40; D-42-44; D-46-51; D 53;-54; D-56; D-59-60; D-15   D-36-54; D-59-60	102			+ + + + + + + + + + + + + + + + + + + +			X	_		+		+	
Elevation Terrebonne General Medical Center Main Plant  Elevation Texaco Master Meter Building, regulating  Elevation Texaco Master Meter Building, regulating  valve and meter  Elevation West Gibson Tank building and chlorination  Elevation West Gibson Tank building and chlorination  Quipment  Elevation of Local Evacuation Route 1 Mile Section of  LA 56 in Chauvin, LA (Ward 7 Evacuation Routes)  Elevation of Local Evacuation Route 1.5 Mile Section of  LA 315 near the Dularge Bridge (Evacuation Route for  Elevation of Pump Station Roads D-19, D-12, and D-5  Elevation of Pump Station Roads D-19, D-12, and D-5  Elevation of Decal Evacuation Route 1.5 Mile Section of  LA 315 near the Dularge Bridge (Evacuation Route for  X  Elevation of Decal Evacuation Route 1.5 Mile Section of  LA 315 near the Dularge Bridge (Evacuation Route for  X  Elevation of Decal Evacuation Route 1.5 Mile Section of  LA 315 near the Dularge Bridge (Evacuation Route for  X  Elevation of Decal Evacuation Route 1.5 Mile Section of  LA 315 near the Dularge Bridge (Evacuation Route for  X  Elevation of Local Evacuation Route 1.5 Mile Section of  LA 315 near the Dularge Bridge (Evacuation Route for  X  Elevation of Local Evacuation Route 1.5 Mile Section of  LA 315 near the Dularge Bridge (Evacuation Route for  X  X  Elevation of Local Evacuation Route 1.5 Mile Section of  X  X  Elevation of Local Evacuation Route 1.5 Mile Section of  X  X  Elevation of Local Evacuation Route 1.5 Mile Section of  X  X  X  X  X  X  X  X  X  X  X  X  X													
Elevation - Texaco Master Meter Building, regulating   X   X   Elevation - Texaco Master Meter Building, regulating   X   X   Elevation - Texaco Master Meter Building, regulating   X   X   X   Elevation - West Gibson Tank building and chlorination   X   X   Elevation of Local Evacuation Route - 1 Mile Section of   X   Elevation of Local Evacuation Route - 1 Mile Section of   X   Elevation of Local Evacuation Route - 1.5 Mile Section of   X   Elevation of Local Evacuation Route - 1.5 Mile Section of   X   Elevation of Local Evacuation Route for   X   Elevation of Dungage and Crozier, Floods in a strong south wind)   X   Elevation of Pump Station Roads - D-19, D-12, and D-5   X   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-   Elevation to ABFE - D-01-04; D-06; D-15; D-50; D-50-60; D-104; D-06; D-15; D-50; D-50-60; D-104; D-06; D-15; D-50-60; D-104; D-06; D-15; D-50-60; D-104; D-06; D-15; D-50-60; D-104; D-06; D-15; D-50-60; D-104; D-06; D-15; D-50-60; D-104; D-06; D-15; D-50-60; D-104; D-06; D-15; D-50-60; D-104; D-06; D-15; D-50-60; D-104; D-06; D-15; D-50-60; D-104; D-06; D-15; D-50-60; D-104; D-06; D-15; D-50-60; D-104; D-06; D-15; D-50-60; D-104; D-06; D-15; D-50-60; D-104; D-06; D-15; D-50-60; D-104; D-06; D-15; D-50-60; D-104; D-06; D-15; D-21; D-36-37; D-0	I63	pump					X						
Elevation - Texaco Master Meter Building, regulating   X   X   Elevation - Texaco Master Meter Building, regulating   X   X   Elevation - Texaco Master Meter Building, regulating   X   X   X   Elevation - West Gibson Tank building and chlorination   X   X   Elevation of Local Evacuation Route - 1 Mile Section of   X   Elevation of Local Evacuation Route - 1 Mile Section of   X   Elevation of Local Evacuation Route - 1.5 Mile Section of   X   Elevation of Local Evacuation Route - 1.5 Mile Section of   X   Elevation of Local Evacuation Route for   X   Elevation of Dungage and Crozier, Floods in a strong south wind)   X   Elevation of Pump Station Roads - D-19, D-12, and D-5   X   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-   Elevation to ABFE - D-01-04; D-06; D-15; D-50; D-50-60; D-104; D-06; D-15; D-50; D-50-60; D-104; D-06; D-15; D-50-60; D-104; D-06; D-15; D-50-60; D-104; D-06; D-15; D-50-60; D-104; D-06; D-15; D-50-60; D-104; D-06; D-15; D-50-60; D-104; D-06; D-15; D-50-60; D-104; D-06; D-15; D-50-60; D-104; D-06; D-15; D-50-60; D-104; D-06; D-15; D-50-60; D-104; D-06; D-15; D-50-60; D-104; D-06; D-15; D-50-60; D-104; D-06; D-15; D-50-60; D-104; D-06; D-15; D-50-60; D-104; D-06; D-15; D-50-60; D-104; D-06; D-15; D-50-60; D-104; D-06; D-15; D-21; D-36-37; D-0			1										
Elevation - Texaco Master Meter Building, regulating   X   X   Elevation - Texaco Master Meter Building, regulating   X   X   Elevation - Texaco Master Meter Building, regulating   X   X   X   Elevation - West Gibson Tank building and chlorination   X   X   Elevation of Local Evacuation Route - I Mile Section of   X   Elevation of Local Evacuation Route - I Mile Section of   X   Elevation of Local Evacuation Route   LA 56 in Chauvin, LA (Ward 7 Evacuation Routes)   X   Elevation of Local Evacuation Route   LA 315 near the Dularge Bridge (Evacuation Route for   X   X   Elevation of Dump Station Roads - D-19, D-12, and D-5   X   Elevation of Dump Station Roads - D-19, D-12, and D-5   X   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-   Elevation to ABFE - D-01-04; D-06; D-15; D-50; D-50   D-10   Elevation to ABFE - D-01-04; D-06; D-15; D-50; D-50   D-10   Elevation to ABFE - D-01-04; D-06; D-15; D-50; D-50   D-10   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-10   Elevation to ABFE - D-01-04; D-06; D-15; D-50; D-50   D-10   Elevation to ABFE - D-01-04; D-06; D-15; D-50; D-50   D-10   Elevation to ABFE - D-01-04; D-06; D-15; D-50; D-50   D-10   Elevation to ABFE - D-01-04; D-06; D-15; D-50; D-50   D-10   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-10   Elevation to ABFE - D-01-04; D-06; D-15; D-21; D-36-37; D-40; D42-44; D-46-51; D-53-63; D-53-60; D-50   Elevation to ABFE - D-01-04; D-06; D-15; D-50; D-50; D-50   Elevation to ABFE - D-01-04; D-06; D-15; D-50; D-50; D-50   Elevation to ABFE - D-01-04; D-06; D-15; D-50; D-50; D-50   Elevation to ABFE - D-01-04; D-06; D-15; D-21; D-36-37; D-40; D42-44; D-46-51; D-53-64; D-50; D-50   Elevation to ABFE - D-01-04; D-06; D-15; D-21; D-36-37; D-40; D42-44; D-46-51; D-51-50; D-50; D-50   Elevation to ABFE - D-01-04; D-06; D-15; D-21; D-36-37; D-36-37; D-36-37; D-36-37; D-36-37; D-36-37; D-36-37		Elevation Terrebonne General Medical Center Main Plant	1										
Elevation Texaco Master Meter Building, regulating	164						X						
165   valve and meter   X   X													
Elevation West Gibson Tank building and chlorination	165		1				v						
166   equipment	103			+			^ ^	_		$\vdash$		-	
Elevation of Local Evacuation Route 1 Mile Section of LA 56 in Chauvin, LA (Ward 7 Evacuation Routes)  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)  Elevation of Pump Station Roads D-19, D-12, and D-5 Pumps  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-	***		1										
LA 56 in Chauvin, LA (Ward 7 Evacuation Routes)	166						X			<u> </u>			
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													
LA 315 near the Dularge Bridge (Evacuation Route for Bayou Dularge and Crozier, Floods in a strong south wind)	167	LA 56 in Chauvin, LA (Ward 7 Evacuation Routes)	<u> </u>	<u> </u>	<u> </u>		X						<u> </u>
LA 315 near the Dularge Bridge (Evacuation Route for Bayou Dularge and Crozier, Floods in a strong south wind)			İ										
LA 315 near the Dularge Bridge (Evacuation Route for Bayou Dularge and Crozier, Floods in a strong south wind)		Elevation of Local Evacuation Route 1.5 Mile Section of	1										
Bayou Dularge and Crozier, Floods in a strong south wind)   X   X     Elevation of Pump Station Roads D-19, D-12, and D-5   X     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-			1										
Elevation of Pump Station Roads D-19, D-12, and D-5   X	160		1				**						
169   Pumps   X	168		<u> </u>				X			<b> </b>		_	
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-			1										
37; D-40; D42-44; D-46-51; D 53-54; D-56; D-59-60; D-	169						X		<u> </u>	L l			
37; D-40; D42-44; D-46-51; D 53-54; D-56; D-59-60; D-		Elevation to ABFE D-01-04; D-06; D-15; D-21; D-36-											
			1										
	170						x						
		,	1			l l	1 12		l.	· · · ·			

	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												
	Flood Proof Essential Community Facilities (Power Plants,												
A3	Substations, Hospitals) (3-8)												
	Flood Proof Terrebonne Parish EOC, Terrebonne Parish												
	General Medical Center, Chabert Medical Center, The												
	TPCG Generating Station and the 2 Consolidated												
F1	Waterworks Treatment Plants			X									
-	Generator 100KW for Chabert Medical Center												
	Generator 100KW for Terrebonne General											l	
I103	Generator 100KW for W. Woodlawn Station	-	+	t	1		X						
1103	Generator 100KW 101 W. WOOGIAWII Station			<del>                                     </del>		<b>—</b>	Λ			<b> </b>		<del>                                     </del>	
1104	Company 200KW for Cough W		İ	I	Ì		37						
I104	Generator 200KW for South Wastewater Treatment Plant		+	1	1	ļ	X						
****	Generator Lift Stations Receiving Effluent from		İ	I	Ì	]							
I110	Hospitals, Chabert Medical Center (50 KW)		_	ļ	ļ		X						
			İ	I	Ì	]							
	Generator Lift Stations Receiving Effluent from		1	1		]							
I111	Hospitals, Terrebonne General Medical Center (50 KW)						X						
I112	Generator Major Lift Stations, Douglas (50 KW)						X						
I113	Generator Major Lift Stations, Highland Drive (150 KW)						X						
I114	Generator Major Lift Stations, Mire (75 KW)						X						
I115	Generator Major Lift Stations, Westside (50 KW)						X						
I116	Generator Major Lift Stations, Westview (100 KW)						X						
1110	Generator Montegut, Pointe Aux Chenes Fire Stations			-			Λ						
I117	(need 40-50 KW \$15,000)						X						
I118	Generator North Terrebonne Treatment Plant						X						
	Generator Pollution Control, S. Treatment Plant Effluent												
I121	Lift Station (250 KW)						X						
	Generator Pollution Control, S. Treatment Plant												
I122	Perimeter Drainage Pump Station (100 KW)						X						
I123	Generator Port Commission Forced Drainage (50 KW)						X						
	Generator Public Works Portable Generator for												
I124	Bridges (80 KW)						X						
-	Generator Study/Environmental Review/Provision of												
J40	Generators		1	1		]		X	\$650,000.00				
3.0	Generator Study/Environmental Review/Provision of Quick	-	+	<b>—</b>	<b> </b>				4050,000.00				
J41	Connects		İ	I	]			X	\$500,000.00				
3-11	Generators Lift Stations Receiving Effluent from		+	<del>                                     </del>	1	<del> </del>		Λ	φ200,000.00			<del>                                     </del>	
1121			İ	I	Ì	]	v						
I131	Hospitals, Valhi II (125 KW)			<del>                                     </del>	<del>                                     </del>	<del>                                     </del>	X			<b> </b>		<b> </b>	
	Investigate and implement localized interior drainage		1	1		]							
	projects at Lower Bayouside Drive, Savanne Road, Ringo		1	1		]							
	Cocke to Hudson Canal, LA 311 at Hollywood Road,		İ	I	Ì	]							
	Parish Road 15 at Mandalay, and Susie Canal at Ashland		İ	I	Ì	[							
	South, which are repetitive loss areas, and reduce its flood		İ	I	Ì	[							
F8	potential.		 	X	<u> </u>	<u>                                       </u>		<u> </u>		L		L	
J39	Natural Gas Generator							X	\$50,000.00				
I135	Relocation Deadwood						X		•				
I136	Relocation Jean Charles						X						
	Replacement of wooden lift station fence/gates with chain		İ	İ	İ	1		İ					
Ј9	link to mitigate wind damage		İ	I	Ì	[		X					
-	Safe House Houma Fire Department 2101 East Tunnel		+	t	<b> </b>	<u> </u>							
J15	Blvd.		İ	I	Ì	[		X					
I140	Safe room Coteau Fire Station			<del>                                     </del>		<u> </u>	X	Λ		<b> </b>		<del>                                     </del>	
1140	Sare 100111 Coteau File Station			<del>                                     </del>	<del>                                     </del>	<del>                                     </del>	A			<b> </b>		<b> </b>	
71.41	C.C.P C. I.T P. U. C C. C		İ	I	]		***						
I141	Safe Room Gov't Towers Parking Structure (Pet Shelter)		+	1			X						
71.40	Wind Retrofit Bac-T Lab (install shutters or impact		İ	I	]						**		
I143	resistant glass on windows, strengthen doors)			<u> </u>		<u>l</u>	X				Yes		

I144	Wind Retrofit Bob Jones Building (Cat 4 or 5)					X			Yes			
	Wind Retrofit Bourg Fire Department (4317 Hwy 24)											
J17	Windows with Shutters						X	\$25,000.00				
	Wind Retrofit Bourg Fire Station, 2 Bay Doors (22'x10',							,				
I145	14'x10') and 3 Windows (36"x36")					X			Yes			
1143						Λ			1 05			
	Wind Retrofit Buquet Bridge and Klondyke Bridge											
I146	Tender's Buildings (Cat 3)					X			Yes			
	Wind Retrofit Coteau Fire Department (2325 Coteau Rd)											
J18	Window with Shutters						X	\$25,000.00				
	Wind Retrofit Coteau Fire Station (include main											
I149	structure, apparatus room, generator room doors)					X			Yes			
I151	Wind Retrofit Director's Building (Cat 3)					X			Yes	<u> </u>		
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			
	Wind Retrofit Little Caillou Fire Department (4588 Hwy	1	+						1	1 1		
J19	56) Windows with Shutters		l				X	\$25,000.00				
J17							Λ	\$25,000.00				
	Wind Retrofit Little Caillou Fire Department (5610 Hwy											
J20	56) Windows with Shutters						X	\$25,000.00				
	Wind Retrofit Little Caillou Fire Department (6668 Hwy											
J21	56) Windows with Shutters						X	\$25,000.00				
I165	Wind Retrofit Mail Library					X		, .,	Yes			
1103	Wind Retrofit Main Office (Install shutters or impact	+							1 03			
I166	resistant glass on windows, strengthen doors)					X			Yes			
	Wind Retrofit Montague, Pointe Aux Chenes Fire											
	Stations (5 Windows at 1466 Hwy 665, 6 Windows at 407											
I167	Island Rd, 6 Windows at 1746 Hwy 55)					X			Yes			
	Wind Retrofit Montegut Fire Department (1105 Hwy 55)											
J16	Garage Doors						X	\$30,000.00				
						***	Λ	\$30,000.00	***			
I168	Wind Retrofit Morgue					X			Yes			
	Wind Retrofit North Terrebonne Standpipe (strengthen											
I170	door)					X			Yes			
I172	Wind Retrofit Schriever Elementary					X			Yes			
J13	Wind Retrofit Schriever Water Treatment Facility						X					
							- 1				-	
1172	Wind Data St. Clades Dans Duilding (strength on doors)					W			X7			
I173	Wind Retrofit Sludge Press Building (strengthen doors)	 1				X			Yes			
I174	Wind Retrofit South Terrebonne High School					X			Yes			
I175	Wind Retrofit Southdown Elementary					X	<u> </u>		Yes			
I176	Wind Retrofit Terrebonne High School					X			Yes			
	Wind Retrofit Waterworks Office Complex at 8814 Main										1	
J14	Street, Houma, LA						X					
517	Wind Retrofit West Park Elementary	+					Λ		V	+	+	
		_							Yes			
	Wind Retrofit and Elevation Houma Plant 3 (Install		l									
1	shutters or impact resistant glass on windows, strengthen		l									
I177	doors, raise pumps and electrical panels)					X			Yes			
	Wind Retrofit and Elevation Houma Plant High Service										1	
I178	pumps and electrical panels, strengthen door		l			X			Yes			
2170	Wind Retrofit and Elevation Lafort Canal RW PS	1				Α			103	+	+	
1170						***						
I179	(elevate pumps and generator, strengthen door)					X			Yes			
1												
	Wind Retrofit and Elevation Munson PS (Elevate		l									
1	Building, electrical pumps, regulating valves and meters,		l									
I180	Install Shutters on windows, strengthen the doors)		l			X			Yes			
1100	Wind Retrofit and Elevation Schriever Plant (install	+	+						103	+		
1												
	shutters or impact resistant glass on windows, strengthen		l			-			L			
I181	doors, elevate pumps)					X			Yes			
1	Wind Retrofit and Elevation Shell PS (elevate pumps and		П								T	
I182	electrical panels, strengthen door)					X			Yes			
			-									

	Wind Retrofit and Elevation Williams Street Pump								
	Station (elevate pumps and electrical panels, strengthen								
I183	door)				X		Yes		

				Coastal									
				Wetlands		Coastal	ECE 14 (TD			TD Equalbility			
				Planning, Protection, &	Coastal Impact	Coastal Protection &	ESF-14 (TP Long Term	TP Hazard	TP 1603 DR	TP Feasibility Study for Levee			
Sourc			TP Master	Restoration Act	Assistance	Restoration	Recovery Plan)	Mitigation Plan	2008 Letter of	Enhancement	Project 2010	New Projects,	Approximate
e	Project	Status	Plan (A)	(B)	Program (C)	Authority (D)	(E)	(F)	Intent (G)	Projects (H)	Update (I)	2014 Update (J)	
I43	Drainage Study Airport Commission	Completed	1 1411 (11)	(2)	Trogram (c)	riddionty (B)	(2)	(1)	intent (G)	110,000.0 (11)	X	zor i opunie (b)	0050
	Brady Canal Hydrologic Restoration	Completed		X							А		
	Coastwide Reference Monitoring Systems	Completed		X									
	Falgout Canal Planting Demonstration	Completed		X									
B26	Floating Marsh Creation	Completed		X									
	GIWW Bank Restoration of Critical Areas in Terrebonne												
B25	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			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 PlanIncrement 1	Completed		X									
B13	Point Au Fer Canal PlugsSaltwater Intrusion	Completed		X									
	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									
D1	West Lake Boudreaux Shoreline Protection and Marsh	Completed		Λ									
В3	Creation	Completed		X									
	Whiskey Island Restoration	Completed		X									
E15	Construct Emergency Operations Center	Completed					X						
	Develop a Program for Public Information	Completed					A					X	\$5,000.00
H11	Falgout Canal Water Control Structure to +10'	completed								X			22,000.00
B2	Whiskey Island Back Barrier Marsh Creation	Completed		X									
C1	Falgout Canal Freshwater Enhancement Phase I	Completed			X								
	Bayou Decade Ridge Restoration	Completed											
C5	Shoreline Protection on Houma Navigational Canal	Completed			X								
	Bayou Decade Marsh Creation	Completed	1									1	
	Bayou Penchant Marsh Creation	Completed											
	HNC-Lake Mechant Marsh Creation	Completed											
	Levee Safety Educational Promotions	Completed										X	\$30,000.00
	Emergency Preparedness Purchase of Drone for												
J5	Damage Assessment	Completed	1									X	
	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		1									1	
	Terrebonne Fire Districts (13 Fire Departments), Law												
	Enforcement Agencies, OEP, Utilities & Parish		1									1	
	Departments (cost \$138,000) replacement due to		1									1	
J45	obsolesence	Completed	1								X	X	
	Communications - Community Alert System (First Call),												
	Reverse 911, Community Hotline, Alert FM, Redundant		1									1	
J2	Phone System at EOC	Completed	<u> </u>									X	
	Drainage Improvement D-3 Upper Montegut Bar												
I23	Screen Cleaner	Completed									X		

Total   Mark Remarks   New Reical on Development of the Comment of the Mark Section   Compelend   N.	11.62	Wind Date Control Date of the Control	Completed	I								X		
Work Return C. Constrained Entwor (Windows Nectors)														
156   Discret   Completed   No.   X   X	1169		Completed									X		
148   Wand Reason Country (Wandow Film)   Completed														
Test   Wend Returnit - Crox Center (Shathers or Window File)   Completed												X		
Total Record - Counterous Assets (Window Film)   Completed	J1	Safe Room - OEP (Substitute)	Completed										X	
Total Record - Counterous Assets (Window Film)   Completed														
150 Wand Research - Count Founds Almost Number Fallow   Name	I148	Wind Retrofit Civic Center (Shutters or Window Film)	Completed									X		
Weak Records - Backer From and Back Doars of Completed														
1858   Convention Center   Completed     X		` ,												
1717   Wind Remofin - Root of Convention Center   Designation progression   District prog	1159		Completed									v		
Datasings Improvement - Coloran I-18 Har Street   Datasings Improvement - Siland Road (Subhilze roadway completed														
Datagog Ingrovement — D-07 Statuludge Pump Station   S	11/1		Completed									Λ		
De Bar Serce (Claner Content of De Properties Completed completed policy and protection of the Content of De Properties Completed comple	710		1 . 1									37		
20   Bar Neteen Cleaner			completed									X		
Dentange Improvement - Island Rood (Stabilizer ondways best absolutes and embankment)  Dentange Improvement - Michael Street, Buguel Street, and Duglis Street (Increase Cultivation Street on Grant Street (Increase Cultivation Street on Grant Street)  13 during leavy rain full)  14 Wind Rottotia - Coxy Hall (IT Department)  15 Wind Rottotia - Coxy Hall (IT Department)  16 Out Rotton - Bayen Country Rood  17 Wind Rottotia - Coxy Hall (IT Department)  18 Wind Rottotia - Stabilizer Indiancement  18 Wind Rottotia - Stabilizer Indiancement  19 Wind Rottotia - Stabilizer Indiancement  19 Wind Rottotia - Stabilizer Indiancement  20 Wind Rottotia - Stabilizer Indiancement  21 Wind Rottotia - Stabilizer Indiancement  22 Wind Rottotia - Stabilizer Indiancement  23 Wind Rottotia - Stabilizer Indiancement  24 Wind Rottotia - Stabilizer Indiancement  25 Wind Rottotia - Stabilizer Indiancement  26 Wind Rottotia - Stabilizer Indiancement  27 Wind Rottotia - Stabilizer Indiancement  28 Wind Rottotia - Stabilizer Indiancement  29 Construction  20 Wind Rottotia - Stabilizer Indiancement  20 Wind Rottotia - Stabilizer Indiancement  20 Wind Rottotia - Stabilizer Indiancement  20 Wind Rottotia - Stabilizer Indiancement  20 Wind Rottotia - Stabilizer Indiancement  20 Wind Rottotia - Stabilizer Indiancement  20 Wind Rottotia - Stabilizer Indiancement  20 Wind Rottotia - Stabilizer Indiancement  20 Wind Rottotia - Stabilizer Indiancement  20 Wind Rottotia - Stabilizer Indiancement  20 Wind Rottotia - Stabilizer Indiancement  20 Wind Rottotia - Stabilizer Indiancement  20 Wind Rottotia - Stabilizer Indiancement  20 Wind Rottotia - Stabilizer Indiancement  20 Wind Rottotia - Stabilizer Indiancement  20 Wind Rottotia - Stabilizer Indiancement  21 Wind Rottotia - Stabilizer Indiancement  22 Wind Rottotia - Stabilizer Indiancement  23 Wind Rottotia - Stabilizer Indiancement  24 Wind Rottotia - Stabilizer Indiancement  25 Wind Rottotia - Stabilizer Indiancement  26 Wind Rottotia - Stabilizer Indiancement  27 Wind Rottotia - Stabilizer Indian														
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133   during heavy rain fall)   completed		Drainage Improvement Michael Street, Buquet Street,												
1417   Wind Retrofit - City Hall (IT Department)   Completed		and Daigle Street (Increase Culvert size to drain streets												
Generator - 100kW for Terrobonue General   Completed	I33	during heavy rain fall)	completed									X		
Generator - 100kW for Terrobonic General Completed   Selection - 100kW for Terrobonic General Completed   Selection - 100kW for Terrobonic General Completed   Selection - 100kW for Terrobonic General Construction   Selection   Selection - 100kW for Terrobonic General Construction   Selection	I147	Wind Retrofit City Hall (IT Department)										X		
Asia Hose Lake Marsh Creation/Enhancement   Construction   X		Generator 100KW for Terrebonne General	Completed											
Asia Hose Lake Marsh Creation/Enhancement   Construction   X	J46	Safe Room - Bayou Country Road	Completed										X	
Safe House — House Fire Department 210 East Tumel  115 Bld.  116 Wind Retroft — Southdown Elementary  220 Coastruction  230 Coastruction Construction  240 Coastruction  251 Coastruction  252 Coastruction  253 Coastruction  254 Coastruction  255 Coastruction  255 Coastruction  256 Coastruction  257 Coastruction  258 C						Х	1							
115   Blud.   Construction   X   Construction   X   Construction   X   Construction   X   Construction   X   Construction   X   Continuous   Continuous   Continuous   X   Continuous   Continuou														
175   Wind Retrofit = South-down Elementary   Construction   X	115		Construction										v	
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 priecets available that can be implemented to improve the CRS rating.  Reduce the Potential for Future Flood Losses through the Terrebonne Parish Flood Hazard Mitigation Program Continous  R. and Severe R. Properties - Elevation. Acquisition, and Mitigation Reconstruction (Parish) continous  R. and Severe R. Properties - Elevation. Acquisition, continous  Fig. Increase Public Awareness of Hazards and Hazard Areas  Fig. Increase Public Awareness of Hazards and Hazard Areas  Continuous  Type Thomate Purchase of Flood Insurance  Gentinous S. X. S. S. S. S. S. S. S. S. S. S. S. S. S.												v	Λ	
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J12   Wind Retrofit Houma Water Treatment Facility   Deauthorized   X     J13   Wind Retrofit Schriever Water Treatment Facility   Deauthorized   X     Wind Retrofit and Elevation Schriever Plant (install shutters or impact resistant glass on windows, strengthen   doors, elevate pumps)   Deauthorized   X     Drainage Improvement Bonanza Pump Station D-27   Design Complete   X     117   Tideflex valves on discharge pipes   Design Complete   X     X	B20	Madison Bay Marsh Creation & Terracing	Deauthorized		X									
J12   Wind Retrofit Houma Water Treatment Facility   Deauthorized   X     J13   Wind Retrofit Schriever Water Treatment Facility   Deauthorized   X     Wind Retrofit and Elevation Schriever Plant (install shutters or impact resistant glass on windows, strengthen   doors, elevate pumps)   Deauthorized   X     Drainage Improvement Bonanza Pump Station D-27   Design Complete   X     I17   Tideflex valves on discharge pipes   Design Complete   X							1							
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Drainage Improvement Bonanza Pump Station D-27 II7 Tideflex valves on discharge pipes Design Complete X	I181		Deauthorized				ĺ					X		
117 Tideflex valves on discharge pipes Design Complete X		7 1 1 7												
	117		Design Complete				1					X		
H22 Univer Dularra Fort Laves to ±10' Engineering Funded			_ Isign complete				<b>+</b>					Α		
	H23	Upper Dularge East Levee to +10'	Engineering Funded				1				X			
112.) Opper Duninge Last Leve to 110 Engineering runned	1123	Opper Durange East Devec to ±10	Engineering runded				+				^			
H12 Cone Break to Achland Lavae 2.4 Miles to ±9! Engineering Funded	шэ	Cone Breek to Ashland Lavae 2.4 Miles to ±0!	Engineering Funds				ĺ				v			
H12 Cane Break to Ashland Levee 3.4 Miles to +8' Engineering Funded X	П12						<del>                                     </del>				X			
Bayou Dularge Ridge Restoration Engineering Funded Engineering Funded		Bayou Duiarge Ridge Restoration	Engineering Funded				L							

	D T Did Dtti	Engine anima Englad			1	I					1	
	Bayou Terrebonne Ridge Restoration	Engineering Funded										<del>                                     </del>
	Increase Atchafalaya Flow to Eastern Terrebonne	Engineering Funded										
		Feasibility Study		**								
C8	Atchafalaya Long Distance Sediment Pipeline	Completed		X								
	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		
	150KW generators for Mire, Idlewild, and Elysian Lift											
J10	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									
	Generator Public Works Forced Drainage Pump											
I138	Station D-03, D-07, D-12, 20KW	Funding Requested								X		
	100 Amp, 3-way SS Disconnects for generator ready	Ŭ Î										
J8	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		<del>                                     </del>
1103	Generator 200KW for South Wastewater Treatment	r unumg reequesteu										<del>                                     </del>
I104	Plant	Funding Requested								X		
1104	Generator Lift Stations Receiving Effluent from	runung Kequesteu								Λ		-
1110	Hospitals, Chabert Medical Center (50 KW)	Edina Danisatad								X		
I110	Hospitals, Chabert Medical Center (50 KW)	Funding Requested						-		Λ		
	a riago i poi i pago d											
	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		
	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		
	Generator Montegut, Pointe Aux Chenes Fire Stations											
I117	(need 40-50 KW \$15,000)	Funding Requested								X		
I118	Generator North Terrebonne Treatment Plant	Funding Requested								X		
	Generator Pollution Control, S. Treatment Plant											
I121	Effluent Lift Station (250 KW)	Funding Requested								X		
1121	Generator Pollution Control, S. Treatment Plant	r unumg requested										<del>                                     </del>
I122	Perimeter Drainage Pump Station (100 KW)	Funding Requested								X		
	Lower Bayou LaCache Hydrologic Restoration	Obsolete	X							А		
	Ship Shoal: Whiskey West Flank Restoration	Obsolete	X									-
	Vehicle lift for HPD EOC	Obsolete	Λ								V	61.500.00
138		Obsolete						-			X	\$1,500.00
* 4.0	Generator Study/Environmental Review/Provision of	01 1									**	
J40	Generators	Obsolete			ļ						X	\$650,000.00
	Generator Study/Environmental Review/Provision of											
J41	Quick Connects	Obsolete			ļ			ļ	1	1	X	\$500,000.00
	Safe Room Gov't Towers Parking Structure (Pet							ĺ				
I141	Shelter)	Obsolete								X		
	Houma Navigational Canal Lock	Partial		X				1				
C7	Mississippi River Long Distance Sediment Pipeline	Partial		X								
	20 Pump Stations/Scada/Telemetry, the automation of											
	forced drainage Pump Stations to reduce response time							ĺ				
	and flooding. Monitored and controlled remotely during	Partially funded by						ĺ				
	storm events	TPCG						ĺ			X	\$3,000,000,00
	Generator Public Works, Buquet Bridge (75 KW				1		<b>†</b>		1	1		,,000.00
I128	120/240 Volt)	funded						ĺ		X		
1120	Generator Public Works, Klondyke Bridge (75 KW	runutu			<u> </u>			1		Λ		
I129	120/240 Volt)	funded						ĺ		X		
1129	Timbalier Islands Barrier Island Restoration	Planning Funded			<del> </del>	<b> </b>	+	-	1	Λ		
Ь	Timounci Islands Dather Island Restoration	r ranning r unucu			1	L	<u> </u>	l .	l	l	l	

	I.I. Davis and Davis and Davis and	DI			ı	l I		I	ı	ı	ı	1
	Isle Dernieres Barrier Island Restoration	Planning Funded		<del></del>								
D5	Marsh Restoration Using Dredged Material in Terrebonne Basin	Dlamaina E.m.dad	i	ĺ	v							
DS		Planning Funded	<del></del>	<b>├</b>	X							
G1	Automatic Bar Screen Cleaners (Pump Stations D-58, D-03, D-69, D-22, D-28, D-07, D-21)	Redundant						X				
1124	Generator Public Works Portable Generator for Bridges (80 KW)	Redundant								X		
I124	Generators Lift Stations Receiving Effluent from	Redundant								Λ		
	Hospitals, Valhi II (125 KW)	Redundant	<b></b>	<b></b>						X		
I140	Safe room Coteau Fire Station	Redundant	<b></b>							X		
D4	Multipurpose Operation of the Houma Navigational Canal	Redundant with C6?			X							
E12	Plan, Implement, and Construct Parish wide Sewerage	Redundantw/ 7?				X						
	Bayou Chene Floodgate	TCLD										
H16	Barrier Plan (Big Bayou Black/Gibson) 1/3 of project 8.4 Miles to +6.5'	TCLD							X			
	Barrier Plan (Big Bayou Black/Gibson) 1/3 of project											
H27	8.4 Miles to +6.5' Barrier Plan (Big Bayou Black/Gibson) 1/3 of project	TCLD							X			
Н8	8.4 Miles to +6.5'	TCLD	l	1					X			
	Morganza to the Gulf	Underway		<del></del>	X				^			
171	North Lake Boudreaux Basin Freshwater Introduction	Unuciway		$\overline{}$	^							<del> </del>
B17	and Hydrologic Management	Underway	X	1								
D17	and Trydrotogic Wanagement	Olluciway	Λ	<del></del>								
B15	Nutria Harvest for Wetland Restoration Demonstration	Underway	X									
H20	Cane Break to Ashland Levee to +10'	Underway							X			
			i	ĺ								
J37	Education regarding flood safety and property valuation	Underway									X	\$35,000.00
	Communications Tower North		l	1								
J6	Campus/Telemetry/Forced Drainage	Underway	<b></b>								X	\$400,000.00
	Wind Retrofit Houma PD	Completed	<b></b>							X		
I1	Blackstart Capacity Houma Power Plant	Completed	<b></b>							X		\$1,200,000.00
I5	Communications for Water Treatment 41 Mobiles		<b></b>							X		
	Emergency Preparedness Military Showers		<b></b>							X		
	Develop Master Drainage Plan		<b></b>				X					
	Develop a Detailed Business Recruitment and Retention Plan					X						
	Forced Drainage 1-1B Channel Improvement											
G4	(Maintenance & Dredging)		i	ĺ				X				
H2	Ashland/Woodlawn 2.9 Miles to +8'								X			
H19	Brady Road Levee in Dularge 1 mile to +10'								X			
E5	Construct Transportation Improvements Designed to Increase the Economic Viability of Terrebonne Parish					Х						
	Drainage Improvement (Chabert Medical Center											
	Levee/Houma Industrial Park) Build Levee from		i	1								
18	Thompson Road to Industrial Pump Station		i	1						X		1
E4	Educate the Public in Disaster Awareness		i			X						
	Emergency Preparedness Message Boards		i							X		
	Emergency Preparedness Nursing Home Evacuation											
197	Coordination/Plan		i	1						X		
H17	Susie Canal Improvements in Grand Caillou to +10'								X			
E14	Update Parish Emergency Operations Plan					X						
	Bayou Pointe aux Chenes Ridge Restoration											
C2	Beach and Back Barrier Marsh Restoration			X								
	Caillou Lake-Lake Mechant Marsh Creation		 									
	Falgout Canal Marsh Creation											
			 	1				l				
	Golden Meadow-Montegut Marsh Creation - Component A		1	ļ								

	I	1					1	1	1	1	1	
	North Terrebonne Bay Marsh Creation											
	Point Au Fer Island Marsh Creation											
	Point Au Fer Island Shoreline Protection											
200	Atchafalaya River Diversion											
B30	Central Terrebonne Freshwater Enhancement		X									
D6	Chacahoula Basin Hydrologic Restoration				X							
C3	Closure of Breaches of GIWW			X								
	Dulac-Cocodrie Marsh Creation											
D7	Freshwater Introduction via Blue Hammock Bayou				X							
	Lower Atchafalaya Marsh Creation											
	Mauvais Bois Ridge Restoration											
	Terrebonne GIWW Marsh Creation											
	Terrebonne Grw w Marsh Creation											
	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.											
7740	When the International Building Codes become						**					
F10	mandatory, they will supersede the existing codes.						X					
H10	Bayou Grand Caillou Water Control Structure to +10'								X			
H9	Bayou Point Au Chene Sluice Gate to +10'								X			
	Brady Road Levee in Dularge25 miles to Falgout											
H4	Canal to +8'								X			
	Collaborate with communities to design, evaluatej, and											
	implement Relocation Strategies for communities located											
J24	outside of the levee systems (Tribal)										X	
	Communications (Fire, Law Enforcement, Parish, Other)											
	Equipment purchased 2003-2013 now obsolete. Need to											
I4	purchase next model.									X		
I6	Communications Tower (Theriot, LA)									X		
	Drainage Improvement Benoit Crossing (Remove											
I16	Portable Pump and place permanent pump)									X		
	Drainage Improvement Isle of Cuba Transfer (Off-site											
I29	fuel storage gas and diesel)									X		
	Drainage Improvement Old Spanish Trail 6-1B (Place											
I35	area under Force Drainage to Stop Backwater Flooding)									X		
	Drainage Improvement Savanne Road to Summerfield											
	(Create a force drainage area to stop backwater and storm											
I39	events flooding)									X		
H22	East Theriot to +10'								X			
J42	Educational video on evacuation options										X	\$15,000.00
	Emergency Preparedness Creation of alternative											
I94	staging area									X		
	Emergency Preparedness Evacuation Sign Purchase		İ									
J7	and Placement										X	
	Emergency Preparedness Gauge installation at pump											
J3	stations near major roadways and bridges/floodgates										X	
	Emergency Preparedness Small Power Radio Station											
198	for Hazard Alert									X		
	Ensure that current and future building elevations take											
	the needs of theose individuals with access and											
	functional needs into account. This includes the											
J25	incorporations of lifts. (Tribal)										X	
E7	Expand and Improve Parish wide Sewerage Facilities					X					Λ	
L/	Extension Orange Street Projects in Grand Caillou 2.0					Λ						
H25	Miles to +10'								X			
1123		l					l	l	Λ	l	l	

A2	Feasibility and Practicality of New Shelters (3-8)		X		1	I						I	
AZ	Flood Protection Sea wall at Public Works Yard Grand		Λ										
I100	Caillou Road										X		
1100	Cantou Road										Λ		
I101	Flood Wall and Pump Installation for Terrebonne General										X		
	Gibson to Houma Hurricane Protection					X					Λ		
	Houma and Vicinity Hurricane Protection					X			-				
D3	Identification of Donor and Placement Sites for Sediment					Λ			-				
E2	Deposition						X						
EZ	Deposition						Λ		-				
	Illeric and a large state of the ID and Company												
	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												
J26	mechanisms along the edges of the road. (Tribal)											X	
320	Identity vulnerable historic and cultural resources, as											Α	
	well as opportunities to protect and/or relocate historic												
J22	assets (Tribal)											X	
322	assets (1110a1)											Λ	
	Implement Capital Improvement Program to Enhance												
E1	Inner Ring of Tidal Protection/Forced Drainage Levees						X						
	Industrial Blvd Gap 2.1 Miles to +8'						A			X			
	Infiltration Reduction of Underground Wastewater												
I132	System (Testing needed for Locations)										X		
Н7	Intracoastal Canal Near Palm Street 2.3 Miles to +6.5'									X			
	Library Storm Preparation and Recovery Flashcards											X	\$25,000.00
	Lower Point Au Chene85 Miles to +10'									X			,
	Modification to Village East Lift Station (Conversion												
I133	from Dry Pit to Submersible Station)										X		
	New Water Storage Tank Terrebonne General Medical												
I134	Center (1,000,000 Gallons, \$750,000)										X		
E11	North-South Hurricane Evacuation Route						X						
	Portable billboards to update emergency instructions or												
J44	evacuation routes/changes											X	
	-												
	Protect historic and cultural resources, such as cemeteries												
J23	and gathering places from all hazards (Tribal)											X	
	Review capacity to increase nonresidential structure												
J36	mitigations											X	Variable
E3	Review of Louisiana Coastal Zone Management Program						X						
J29	Safe Harbor Study and Education Campaign											X	\$50,000.00
	Secure Congressional Authorization and Construct the												
	Morganza to the Gulf Hurricane Protection System and												
E6	Enhance and Protect Critical Waterways in the Parish.						X						
J43	Signage for evacuation routes											X	\$10,000.00
F6	Sponsor a "Multi-Hazard Awareness" Week				1			X			1		
J33	Storm Preparedness Literacy Project	ļ										X	\$5,000.00
J32	Storm Recovery Phase Code Enforcement Capacity											X	Variable
	Structure Inventory				1						1	X	\$850,000.00
	Susie Canal Improvements in Grand Caillou 5.3 Miles				İ								,
Н	to +8'												
H26	West Ward 7 15.9 Miles to +10'				İ					X			
	Work with communities currently residing in flood prone												
	areas, particularly outside of the levee systems, on the												
	identification of flood mitigation and climate adaptation	UHN/Tulane Study											
J27	measures to reduce flood risk. (Tribal)	afoot										X	
	. \/		i	i			i .	i		i			

	-								
	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.								
J28	(Tribal)							X	
	Replacement of wooden lift station fence/gates with								
Ј9	chain link to mitigate wind damage							X	
I159	Wind Retrofit Headstart Center						X		
	GeneratorsMontegut Middle School				X		X		
1137	Wind Retrofit and Elevation Houma Plant 3 (Install				А		Λ		
	shutters or impact resistant glass on windows, strengthen								
1177							X		
I177	doors, raise pumps and electrical panels)						Λ		
	Drainage Improvement D-20 Schriever Pump Station						**		
I22	Bar Screen Cleaner						X		
I172	Wind Retrofit Schriever Elementary						X		
	Drainage Improvement Ann Carroll, Jean Street, Duet								
	Street, and Grace Street (Upgrade Culvert size to drain								
19	water from middle of streets)						X		
	Drainage Improvement Bayou Lacache Pump Canal								1
	(Widen and Deepen Canal from Lacache Estate to Pump								
I13	Station)						X		
	Drainage Improvement Bayou Lacarpe (Widen								
	Channel from Tunnel Blvd to pump station and upgrade								
I14	bar screen cleaner	9					X		
	Generator 150KW for Valhi Lift Station	?							
	Pursue elevation/acquisition/reconstruction and flood	•							
F7	proofing projects and structural solutions to flooding.	ongoing			X				
1 /	proteing projects and structural solutions to modeling.	ongoing							
	(From D-12 to Cement Lined Ditch, Widen and Deepen								
	(170111 B-12 to Centent Ented Biten, widen and Beepen								
	Communications Conversion of SCADA system from								
	Dhone to Dadio (Airbase Ir Applied Hydraulies								
	Phone to Radio (Airbase Jr., Applied Hydraulics,								
	Ashland North 1, Ashland North 2, Ashland South,								
	Ashland North 1, Ashland North 2, Ashland South, Bobtown, Bourg Heights, Central Heights, Clinton St.								
	Ashland North 1, Ashland North 2, Ashland South, Bobtown, Bourg Heights, Central Heights, Clinton St. Package Plant, Dulac, Edgewood, Frank, Grmoco, Green								
	Ashland North 1, Ashland North 2, Ashland South, Bobtown, Bourg Heights, Central Heights, Clinton St.								
	Ashland North 1, Ashland North 2, Ashland South, Bobtown, Bourg Heights, Central Heights, Clinton St. Package Plant, Dulac, Edgewood, Frank, Grmoco, Green								
	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,								
	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,								
12	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						X		
<u>I2</u>	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,						X		
<u>12</u> 13	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 X		
	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) Communications Hazard Warning System (Gauges								
13	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) Communications Hazard Warning System (Gauges Strategically Placed, N-Star)						Х		
	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) Communications Hazard Warning System (Gauges Strategically Placed, N-Star) Connect Station to emergency generator Munson PS								
I3 I7	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) Communications Hazard Warning System (Gauges Strategically Placed, N-Star)  Connect Station to emergency generator Munson PS Drainage Improvement Ashland North D-60 Tideflex						X X		
13	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) Communications Hazard Warning System (Gauges Strategically Placed, N-Star)  Connect Station to emergency generator Munson PS Drainage Improvement Ashland North D-60 Tideflex valves on discharge pipes						Х		
13 17 110	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) Communications Hazard Warning System (Gauges Strategically Placed, N-Star)  Connect Station to emergency generator Munson PS Drainage Improvement Ashland North D-60 Tideflex valves on discharge pipes Drainage Improvement Bayou Grand Caillou (D-9						x x x		
I3 I7	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) Communications Hazard Warning System (Gauges Strategically Placed, N-Star)  Connect Station to emergency generator Munson PS Drainage Improvement Ashland North D-60 Tideflex valves on discharge pipes Drainage Improvement Bayou Grand Caillou (D-9 South the Landfill Road, Widen and Deepen Channel)						X X		
13 17 110	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) Communications Hazard Warning System (Gauges Strategically Placed, N-Star)  Connect Station to emergency generator Munson PS Drainage Improvement Ashland North D-60 Tideflex valves on discharge pipes Drainage Improvement Bayou Grand Caillou (D-9 South the Landfill Road, Widen and Deepen Channel) Drainage Improvement Bayou Grand Caillou (From						x x x		
13 17 110 111	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) Communications Hazard Warning System (Gauges Strategically Placed, N-Star)  Connect Station to emergency generator Munson PS Drainage Improvement Ashland North D-60 Tideflex valves on discharge pipes Drainage Improvement Bayou Grand Caillou (D-9 South the Landfill Road, Widen and Deepen Channel) Drainage Improvement Bayou Grand Caillou (From Oaklawn School to D-9 Pump Station, Widen and						x x x		
13 17 110 111	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) Communications Hazard Warning System (Gauges Strategically Placed, N-Star)  Connect Station to emergency generator Munson PS Drainage Improvement Ashland North D-60 Tideflex valves on discharge pipes Drainage Improvement Bayou Grand Caillou (D-9 South the Landfill Road, Widen and Deepen Channel) Drainage Improvement Bayou Grand Caillou (From Oaklawn School to D-9 Pump Station, Widen and						x x x		
13 17 110 111	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) Communications Hazard Warning System (Gauges Strategically Placed, N-Star)  Connect Station to emergency generator Munson PS Drainage Improvement Ashland North D-60 Tideflex valves on discharge pipes Drainage Improvement Bayou Grand Caillou (D-9 South the Landfill Road, Widen and Deepen Channel) Drainage Improvement Bayou Grand Caillou (From Oaklawn School to D-9 Pump Station, Widen and Deepen Channel) Drainage Improvement Bellaire Drive (Increase						x x x x		
13 17 110 111	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) Communications Hazard Warning System (Gauges Strategically Placed, N-Star) Connect Station to emergency generator Munson PS Drainage Improvement Ashland North D-60 Tideflex valves on discharge pipes Drainage Improvement Bayou Grand Caillou (D-9 South the Landfill Road, Widen and Deepen Channel) Drainage Improvement Bayou Grand Caillou (From Oaklawn School to D-9 Pump Station, Widen and Deepen Channel) Drainage Improvement Bellaire Drive (Increase Culvert Sizes and Slope Ditches)						x x x		
13 17 110 111 112 115	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) Communications Hazard Warning System (Gauges Strategically Placed, N-Star)  Connect Station to emergency generator Munson PS Drainage Improvement Ashland North D-60 Tideflex valves on discharge pipes Drainage Improvement Bayou Grand Caillou (D-9 South the Landfill Road, Widen and Deepen Channel) Drainage Improvement Bayou Grand Caillou (From Oaklawn School to D-9 Pump Station, Widen and Deepen Channel) Drainage Improvement Bellaire Drive (Increase Culvert Sizes and Slope Ditches) Drainage Improvement Crochetville Road Storm Water						x x x x x		
13 17 110 111 112 115	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) Communications Hazard Warning System (Gauges Strategically Placed, N-Star)  Connect Station to emergency generator Munson PS Drainage Improvement Ashland North D-60 Tideflex valves on discharge pipes Drainage Improvement Bayou Grand Caillou (D-9 South the Landfill Road, Widen and Deepen Channel) Drainage Improvement Bayou Grand Caillou (From Oaklawn School to D-9 Pump Station, Widen and Deepen Channel) Drainage Improvement Bellaire Drive (Increase Culvert Sizes and Slope Ditches) Drainage Improvement Crochetville Road Storm Water Diversion canal with flap gates						x x x x		
13 17 110 111 112 115	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) Communications Hazard Warning System (Gauges Strategically Placed, N-Star)  Connect Station to emergency generator Munson PS Drainage Improvement Ashland North D-60 Tideflex valves on discharge pipes Drainage Improvement Bayou Grand Caillou (D-9 South the Landfill Road, Widen and Deepen Channel) Drainage Improvement Bayou Grand Caillou (From Oaklawn School to D-9 Pump Station, Widen and Deepen Channel) Drainage Improvement Bellaire Drive (Increase Culvert Sizes and Slope Ditches) Drainage Improvement Crochetville Road Storm Water Diversion canal with flap gates Drainage Improvement Crochetville Road Storm Water						x x x x x x x		
13 17 110 111 112 115	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, Sandeastle, Sarah, Smithridge 1, Smithridge 2, Thunderbird, Village East) Communications Hazard Warning System (Gauges Strategically Placed, N-Star)  Connect Station to emergency generator Munson PS Drainage Improvement Ashland North D-60 Tideflex valves on discharge pipes Drainage Improvement Bayou Grand Caillou (D-9 South the Landfill Road, Widen and Deepen Channel) Drainage Improvement Bayou Grand Caillou (From Oaklawn School to D-9 Pump Station, Widen and Deepen Channel) Drainage Improvement Bellaire Drive (Increase Culvert Sizes and Slope Ditches) Drainage Improvement Crochetville Road Storm Water Diversion canal with flap gates Drainage Improvement D-13 Industrial Blvd. Motorized screw gates						x x x x x		
13 17 110 111 112 115 119	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) Communications Hazard Warning System (Gauges Strategically Placed, N-Star)  Connect Station to emergency generator Munson PS Drainage Improvement Ashland North D-60 Tideflex valves on discharge pipes Drainage Improvement Bayou Grand Caillou (D-9 South the Landfill Road, Widen and Deepen Channel) Drainage Improvement Bayou Grand Caillou (From Oaklawn School to D-9 Pump Station, Widen and Deepen Channel) Drainage Improvement Bellaire Drive (Increase Culvert Sizes and Slope Ditches) Drainage Improvement Crochetville Road Storm Water Diversion canal with flap gates Drainage Improvement Crochetville Road Storm Water						x x x x x x x		
13 17 110 111 112 115 119	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, Sandeastle, Sarah, Smithridge 1, Smithridge 2, Thunderbird, Village East) Communications Hazard Warning System (Gauges Strategically Placed, N-Star)  Connect Station to emergency generator Munson PS Drainage Improvement Ashland North D-60 Tideflex valves on discharge pipes Drainage Improvement Bayou Grand Caillou (D-9 South the Landfill Road, Widen and Deepen Channel) Drainage Improvement Bayou Grand Caillou (From Oaklawn School to D-9 Pump Station, Widen and Deepen Channel) Drainage Improvement Bellaire Drive (Increase Culvert Sizes and Slope Ditches) Drainage Improvement Crochetville Road Storm Water Diversion canal with flap gates Drainage Improvement D-13 Industrial Blvd. Motorized screw gates						x x x x x x x		
13 17 110 111 112 115 119	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) Communications Hazard Warning System (Gauges Strategically Placed, N-Star)  Connect Station to emergency generator Munson PS Drainage Improvement Ashland North D-60 Tideflex valves on discharge pipes Drainage Improvement Bayou Grand Caillou (D-9 South the Landfill Road, Widen and Deepen Channel) Drainage Improvement Bayou Grand Caillou (From Oaklawn School to D-9 Pump Station, Widen and Deepen Channel) Drainage Improvement Bellaire Drive (Increase Culvert Sizes and Slope Ditches) Drainage Improvement Crochetville Road Storm Water Diversion canal with flap gates Drainage Improvement D-13 Industrial Blvd. Motorized screw gates Drainage Improvement Evelyn Lateral Between						x x x x x x x		

	Drainage Improvement Industrial Pump D-13 Trash							
I27	Screen and Bar Screen Cleaner						X	
	Drainage Improvement Lower Montegut D-2 Tideflex							
I31	Valves on discharge pipes						X	
	Drainage Improvement Martin Luther King Blvd							
	(Increase Culvert Size in pump canal under highway in							
I32	bonanza system)						X	
132	Drainage Improvement Oak Forest Street (Increase in						Λ	
I34	Culvert Sizes and Pump Station)						X	
134	Drainage Improvement Old Spanish Trail 6-1B (Put						Λ	
126	Screw Gates on Culvert Crossings)						X	
I36							X	
***	Drainage Improvement Royce Street (Increase culvert						**	
I38	size to stop rainfall flooding)						X	
	Drainage Improvement South Ellendale Estates Lateral							
	(Dig and possible widen lateral from subdivision to							
I40	Hanson Canal)						X	
	Dry Floodproof RL Structure Next to Robinson Canal							
I45	(Meeting #3)						X	
	Dry Floodproofing Infiltration Reduction of						·	
I46	Underground Wastewater Collection System		 		 	 	X	 
	Elevation Bayou Dularge Tank building and		 		 			 
I47	chlorination equipment						X	
	Elevation Fire Station (raise 2', history of flooding,							
I48	75'x75' Slab) (1466 Hwy 665)						X	
I49	Elevation Fire Station in Chauvin						X	
	Elevation Generator for Riley Drive Lift Station					İ	X	
I51	Elevation Grand Caillou Tank building						X	
131	Elevation Industrial Blvd from Van Ave to Pump	<b></b>					А	
152	Station						X	
I53	Elevation Leachate Removal System						X	
133	,						Λ	
	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,							
I54	Riley Drive)						X	
	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							
I55	Road)						X	
	Elevation - Lower Dulac Tank Building and Chlorination							
I56	equipment						X	
I57	Elevation Montegut Station (100'x75')						X	
							-	
159	Elevation Orange Street Wastewater Plant Controls						X	
107								
	Elevation Pointe-Aux Chenes Pump Station building							
160	and electrical pump, regulating valve and meter						X	
100	Elevation Robinson Canal P.S. Building, electrictal						А	
161	pump, regulating valve, and meter						X	
I61								
I62	Elevation Scale						X	
162	Elevation South Terrebonne Pump Station building and						**	
I63	pump						X	
	Elevation Terrebonne General Medical Center Main							
	Plant Electrical Switch Gear, Boilers, and Chillers							
I64	(\$2,750,000)						X	

			1			1			
	Elevation Texaco Master Meter Building, regulating								
I65	valve and meter						X		
	Elevation West Gibson Tank building and chlorination								
I66	equipment						X		
	Elevation of Local Evacuation Route 1 Mile Section of								
I67	LA 56 in Chauvin, LA (Ward 7 Evacuation Routes)						X		
	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								
168	wind)						X		
100	Elevation of Pump Station Roads D-19, D-12, and D-5								
169	Pumps						X		
107	Elevation to ABFE D-01-06, 11, 15, 21, 36, 37, 41-62,						A		
170	65, 69 Gear Drives, Motors, and Controls						X		
1/0							Λ		
4.2	Flood Proof Essential Community Facilities (Power	37							
A3	Plants, Substations, Hospitals) (3-8)	X							
	Flood Proof Terrebonne Parish EOC, Terrebonne Parish								
	General Medical Center, Chabert Medical Center, The								
	TPCG Generating Station and the 2 Consolidated								
F1	Waterworks Treatment Plants				X				
	Investigate and implement localized interior drainage								
	projects at Lower Bayouside Drive, Savanne Road, Ringo								
	Cocke 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								
F8	flood potential.				X				
I135	Relocation Deadwood						X		
	Wind Retrofit Bac-T Lab (install shutters or impact								
I143	resistant glass on windows, strengthen doors)						X		
I144	Wind Retrofit Bob Jones Building (Cat 4 or 5)						X		
1111	Wind Retrofit Bourg Fire Department (4317 Hwy 24)								
J17	Windows with Shutters							X	\$25,000.00
317	Wind Retrofit Bourg Fire Station, 2 Bay Doors							Λ	\$23,000.00
I145	(22'x10', 14'x10') and 3 Windows (36"x36")						X		
1143							Λ		
71.46	Wind Retrofit Buquet Bridge and Klondyke Bridge						37		
I146	Tender's Buildings (Cat 3)						X		
	Wind Retrofit Coteau Fire Department (2325 Coteau								
J18	Rd) Window with Shutters							X	\$25,000.00
	Wind Retrofit Coteau Fire Station (include main								
I149	structure, apparatus room, generator room doors)						X		
I153	Wind Retrofit Evergreen Junior High						X		
	Wind Retrofit Fire Stations (central, #2, #3, #4)								
I154	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		
	Wind Retrofit Little Caillou Fire Department (4588								
J19	Hwy 56) Windows with Shutters							X	\$25,000.00
317	Wind Retrofit Little Caillou Fire Department (5610							- 11	Ψ25,000.00
J20	Hwy 56) Windows with Shutters							X	\$25,000.00
J20								Λ	\$43,000.00
121	Wind Retrofit Little Caillou Fire Department (6668							37	625 000 00
J21	Hwy 56) Windows with Shutters						37	X	\$25,000.00
I165	Wind Retrofit Main Library						X		
	Wind Retrofit Montague, Pointe Aux Chenes Fire								
L.	Stations (5 Windows at 1466 Hwy 665, 6 Windows at						_		
I167	407 Island Rd, 6 Windows at 1746 Hwy 55)						X		

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

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 discusions with the Governor.
Bayou Black Pump Station - WSI			Application through PDM 2019	
Fire House Hardening - Windows and Doors	Volunteer stations primarily.		M. d. d. In.; d. Cl 1	
Firehouse Generator Project  Black Start Generator - Utility Department	Funding request pending. Funded.		Montegut and Pointe au Chenes served	Check with Sheriever and then down the bayou for next time.
Pump Station Generator - Utility Department  Pump Station Generator - Public Works	Funded. 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	I arriany funded with CDBG through EA SATE.		in process. I thinking required for 10070	
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			r	
Stabilization Projects			Elevations/Recons in 2019 FMA application	
Liberty Street Dredging and Marsh Creation			The state of the s	
Levee District Boudreaux Marsh Terrace Creation				
Devel Bistrict Boundaries Marish Terrace Creation	In partnership with NGOs, the Tree Board and corporate			
Cypress Tree Plantings for Natural Retention and Shoreline Stabilization	sponsors.	Planning Department - RAMP		
Develop H&H Study List for Advance Assistance		g - 1/mm	Lacarpe 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 shoreline	s			
Identify Opportunities/seek funding for engineering, H&H Studies for living shoreline Identify Opportunities/seek funding for engineering, H&H Studies for feasible mars				
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 priva	te			
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 privation	te			
investment safer, more energy efficient structures			Duplicate	
Research avenues to identify any and all funding sources to support private investmen	f			
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 reelected - 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 obselesence/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		Stania - Camarin		
identify and fund specific projects	submitted during review	Steering Committee		

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 suppor			
coastal restoration or protection efforts.	submitted during review	Steering Committee	

<sup>\*</sup> State Watershed Initiative

### 4.0 §201.6 (c)(3) HAZARD MITIGATION STRATEGIES

Information presented below provides documentation in conformance with sections (c)(3)(i, ii, iii, and iv) relative to mitigation strategies evaluated for hazards identified in Terrebonne Parish, Louisiana.

# 4.1 §201.6 (c)(3)(i) A description of mitigation goals to reduce or avoid long-term vulnerabilities to the identified hazards.

The Terrebonne Parish HMPU Steering Committee reviewed and analyzed the risk assessment evaluation performed for the parish as well as goals reflective of that risk assessment. Goals and action items that would have the greatest benefit in reducing or eliminating hazard damage to the parish were identified. The evaluation criteria used in determining these goals and action items followed the Zurich Flood Resilience Alliance Approach from page 34 of this plan.

The goals developed to reduce or avoid long-term vulnerabilities to the identified hazards are listed below:

- **Goal 1:** Identify and pursue preventive measures that will reduce future damages from hazards.
- **Goal 2:** Enhance public awareness, *public education*, and understanding of disaster preparedness.
- **Goal 3:** Reduce repetitive flood losses in the parish.
- **Goal 4:** Facilitate sound development in the parish to reduce or eliminate the potential impact of hazards.
- **Goal 5:** Assess the feasibility of setting a uniform standard of protection incorporated into all drainage, development and mitigation activities.
- 4.2 §201.6 (c)(3)(ii) The mitigation strategy shall include a section that identifies and analyzes a comprehensive range of specific mitigation actions and projects being considered to reduce the effects of each hazard, with particular emphasis on new and existing buildings and infrastructure.

The Terrebonne Parish Hazard Mitigation Plan Update Committee identified several projects that would reduce and/or prevent future damage from naturally occurring hazard events. This coordinated effort, which included the planning committee, the consultant team, and other engineering representatives, was accomplished with frequent and open

communications including committee meetings, telephone conversations, emails, and face-to-face meetings.

The projects and resulting action items relate to community goals which are presented immediately following the Project List attachment. Projects include those that may be eligible under the proposed Building Resilient Infrastructure and Communities that will be available starting in 2020. The Parish specifically reached out to entities that are responsible for the community lifelines in the Parish to capture the current conditions and projects that could increase the resilience of those critical infrastructure assets and service providers. A list of outreach efforts and meetings is included in Attachment c4-2.

The Parish will continue to focus on hardening of critical structures. The Parish has already wind hardened the Government Tower, the Generating Station, the Houma Police Department, and the Courthouse Annex, and has shutters on the Houma Fire Department. The TOHSEP office was moved to a Cat 5 building outside the SFHA as was the majority of the Public Works offices, the Juvenile Justice Facility and the Animal Shelter. Each of these buildings and the fire departments have redundant power and the span bridges and pump stations are funded for redundant power, which will be in place in 2020. Advances in communications and evacuation procedures and routes have also been accomplished along with an update to the Flood Response Plan.

Regardless of the topic, education was central to all activities reviewed. Ongoing efforts were applauded, but in most instances, increased education was identified as a necessary component of any resulting plan. For example, the evacuation routes have been developed, but are not widely known. The Parish is investing in a flood gate and lock system backed up by pump stations and retention basins. The general public should have access to training that explains how the system works together, and who is responsible for what element of the process. Educational initiatives are also necessary to bring industries a more detailed knowledge of the safety and resilience practices including insurance professionals, real estate interests, banks and builders. Without the education, support and enforcement would be frustrating, expensive, and less productive, it was decided, than to work toward a common goal. Action items and the proposed project list includes outreach initiatives from the Multijurisdictional Program for Public Information, Levee Safety, Safe Harbor, etc. The objectives for education are listed below Goal 3.

The established and agreed upon objectives and actions relative to the established goals are as follows. All projects are in Attachment c3-1.

## • Goal 1: Identify and pursue preventative measures that will reduce future damages from hazards

• **Objective 1.1:** Ensure existing structures are structurally sound to endure hurricane-force winds

Action 1.1.1: Wind harden structures

- Timeframe: 1-5 years, as funding permits
- Funding: HMGP, local, regional, and other federal
- Staff: Public Works, Planning and Zoning

- Hazard Event Mitigated: Hurricane
- **Objective 1.2:** Ensure all citizens and employees of Terrebonne Parish are safe from high winds (hurricanes and tornado related)

Action 1.2.1: Construct safe rooms at critical facilities and assess whether new structures should include a category 5 area for employees

- Timeframe: 1-5 years, as funding permits
- Funding: HMGP, local, regional, and federal
- Staff: Public Works, Planning and Zoning, Public Safety
- Hazard Event Mitigated: Hurricane/Tornado

Action 1.2.2: Expand the coverage and participation in the Parish's hazard early warning system.

- Timeframe: 1-5 years, as funding permits
- Funding: BRIC, local, state and regional.
- Staff: Office of Emergency Preparedness
- Hazard Event Mitigated: Hurricane/Tornado
- **Objective 1.3:** Ensure all first responders are adequately equipped to respond to a storm event

Action 1.3.1: Purchase or upgrade communication devices as necessary to ensure interoperability among first responders and develop recurring cost funding source.

- Timeframe: 1-5 years, as funding permits
- Funding: HMGP, local, regional, and federal
- Staff: Parish, Public Safety, 9-1-1
- Hazard Event Mitigated: Hurricane/Tornado/Flooding/Levee Failure

Action 1.3.2: Purchase generators for critical facilities (see Attachment c3-1 for locations) to ensure operation during and after a hazard event

- Timeframe: 1-5 years, as funding permits
- Funding: HMGP, local, regional, and federal
- Staff: Public Safety, Public Works
- Hazard Event Mitigated: Hurricane/Tornado/Flooding/Levee Failure
- **Objective 1.4:** Protect citizens from saltwater intrusion

Action 1.4.3: Continue to construct Morganza to the Gulf storm surge protection levee and proposed lock system to reduce the effects of saltwater intrusion

- Timeframe: 1-5 years
- Funding: local, federal
- Staff: Public Works, Planning and Zoning
- Hazard Event Mitigated: Hurricane/Flooding/Levee Failure/Saltwater Intrusion/ Coastal Erosion

• **Objective 1.5:** Reduce the effects of Land Subsidence

Action 1.5.1: Pursue approvals and funding for coastal restoration projects such as sediment diversions to reduce land subsidence in coastal areas.

- Timeframe: Ongoing
- Funding: Local
- Staff: Planning and Zoning, Public Works
- Hazard Event Mitigated: Coastal Erosion/Land Subsidence

Action 1.5.2: Study foreseeable subsidence that is often correlated with forced drainage areas under pump, and retention options if needed.

- Timeframe: Ongoing
- Funding: local, federal
- Staff: Existing parish administration, DCRP
- Hazard Event Mitigated: Coastal Erosion/Land Subsidence

Action 1.5.3: Monitor agricultural activities and encourage smart farming practices to reduce soil compaction and acceleration of subsidence

- Timeframe: Ongoing
- Funding: local, federal
- Staff: Planning and Zoning
- Hazard Event Mitigated: Land Subsidence
- Objective 1.6: Protect historic and cultural resources, such as cemeteries and gathering places from all hazards

Action 1.6.1: Identify vulnerable historic and cultural resources, and opportunities to protect and/or relocate historic assets threatened by sea level rise

Timeframe: Ongoing

- Funding: local, federal
- Staff: Planning and Zoning
- Hazard Event Mitigated: Hurricane/Flooding/Levee Failure/Saltwater Intrusion/ Coastal Erosion/Land Subsidence
- **Objective 1.7:** Protect critical facilities from lightning strikes

Action 1.7.1: Install lightning rods on all critical facilities

- Timeframe: As needed
- Funding: local, federal
- Staff: Public Safety/Public Works
- Hazard Event Mitigated: Lightning

Action 1.7.2: Install and maintain surge protection on all critical electronic equipment

- Timeframe: As needed
- Funding: local, federal
- Staff: All Parish Departments and Public Safety
- Hazard Event Mitigated: Lightning

### • Goal 2: Enhance public awareness and understanding of disaster preparedness

- **Objective 2.1:** Increase public awareness of hazard areas and educate the public on mitigation through existing channels and organizations and their memberships,
- All Actions in this section will be approached as follows:
  - Timeframe: 1-5 years
  - Funding: BRIC, Local and State
  - Staff: Planning and Zoning in coordination w/ TOHSEP, TSD, IT, etc.
  - Hazard Event Mitigated: All Hazards with a focus on Hurricane/Flooding/Levee Failure/Saltwater Intrusion/ Coastal Erosion/ Tornado/Lightning.
  - Action 2.1.1: Continue to advertise public meetings during the hazard mitigation planning process and throughout the year
  - Action 2.1.2: TOHSEP will continue to attend public gatherings, provide yearly materials for preparedness, and updates to the registration system for people needing evacuation or other services in preparation for an event
  - Action 2.1.3: Continue web and email postings of mitigation programs available to reduce risks.
  - Action 2.1.4: Develop or identify and place pamphlets in the libraries and the Parish Robert "Bobby" Bergeron Government Tower regarding the risk of identified hazards.
  - Action 2.1.5 Increase social media to increase penetration of messaging
  - Action 2.1.6 Increase education regarding Law and Ordinance and Flood Insurance Claims to assist in elevation or other code compliance.
  - Action 2.1.7 Increase transparency on the website and links to useful material.
  - Action 2.1.8 Provide age appropriate materials for schools to support physical and mental health through knowledge of natural hazard preparation and recovery.
  - Action 2.1.9 Educate communities currently residing in at risk areas on the six (6) evacuation plans, access to shelter and transportation assistance as needed.
  - **Action 2.1.10** Promote increased participation in the NFIP and continued participation in the Community Ratings System.
  - Action 2.1.11: Better promote the Multijurisdictional Program for Public Information to educate population on risk reduction strategies, their responsibilities, and the Parish's responsibility for enforcement

Action 2.1.12 Gather and present information on subsidence and climate change as models mature and understanding improves.

Action 2.2.13 Increase understanding of public, real estate, banking and mortgage stakeholders regarding the value of flood and wind safety building alternatives.

#### **Goal 3: Reduce repetitive flood losses in the parish**

• **Objective 3.1.:** Eliminate threat of flood damage to structures in Terrebonne Parish including storm surge and levee failure

Action 3.1.1: Continue to upgrade current drainage infrastructure (see Attachment c3-1 for locations)

- Timeframe: 1-5 years
- Funding: HMA, BRIC, Local, State
- Staff: Public Works, Planning and Zoning
- Hazard Event Mitigated: Hurricane/Flooding/Levee Failure/Saltwater Intrusion/ Coastal Erosion

#### Action 3.1.2:

Action 3.1.3: Elevate or acquire all RL and SRL structures in Terrebonne Parish (see Attachment c2-25 on page 111)

- Timeframe: 1-10 years, as funding permits
- Funding: HMA, FMA, PDM
- Staff: Planning and Zoning
- Hazard Event Mitigated: Hurricane/Flooding/Levee Failure

Action 3.1.4: Develop new and more accurate models to project the impact of various activities.

Timeframe: 1-10 years, as funding permits

- Funding: CDBG, FMA, PDM, BRIC, Watershed Initiative
- Staff: Planning and Zoning
- Hazard Event Mitigated: Hurricane/Flooding/Levee Failure

**Action 3.1.5:** Elevate equipment that is vulnerable to flood damage (see Attachment c3-1 for locations)

- Timeframe: 1-5 years, as funding permits
- Funding: HMA, Local, State
- Staff: Public Works
- Hazard Event Mitigated: Hurricane/Flooding/Levee Failure

Action 3.1.6: Flood proof public buildings vulnerable to flood damage that cannot be relocated if cost effective

- Timeframe: 1-5 years, as funding permits
- Funding: HMGP
- Staff: Public Works, Planning and Zoning
- Hazard Event Mitigated: Hurricane/Flooding/Levee Failure

Action 3.1.7: Construct Morganza to the Gulf Hurricane Protection Levee which would protect both new and current developments

- Timeframe: 1-10 years, as funding permits
- Funding: local, regional, and federal
- Staff: Public Works, Planning and Zoning
- Hazard Event Mitigated: Hurricane/Flooding/Levee Failure

Action 3.1.8: Collaborate with communities to design, evaluate, and implement Relocation Strategies for communities located outside the levee systems as needed

- Timeframe: 1-10 years, as funding permits
- Funding: local, regional, and federal
- Staff: Planning and Zoning, Public Safety
- Hazard Event Mitigated: Hurricane/Flooding/Levee Failure

Action 3.1.9: Ensure that current and future building elevations take the needs of those individuals with access and functional needs into account. This includes the incorporation of lifts.

- Timeframe: 1-10 years, as funding permits
- Funding: local, regional, and federal
- Staff: Public Works, Planning and Zoning
- Hazard Event Mitigated: Hurricane/Flooding/Levee Failure

Action 3.1.10: Assess ability of current efforts to protect the Island Road from surge and tidal impacts for sufficiency. This might include engineered solutions to decrease wave impacts and/or erosion control mechanisms along the edges of the road.

- Timeframe: 1-10 years, as funding permits
- Funding: local, regional, and federal
- Staff: Public Works, Planning and Zoning
- Hazard Event Mitigated: Hurricane/Flooding/Levee Failure

### • Goal 4: Facilitate sound development in the parish to reduce or eliminate potential impacts of hazards

• Objective 4.1: Promote and permit commercial and industrial development, including public critical facilities, outside of hazard areas to limit business interruption, property damage, and impairment to critical facilities in strict accordance with the parish zoning, flood management, and other applicable state and federal regulations.

Action 4.1.1: Enforce building codes to ensure that future development does not increase hazard losses.

- Timeframe: Ongoing
- Funding: No additional funds required
- Staff: Planning and Zoning

• Hazard Event Mitigated: Hurricane/Flooding/Levee Failure/Saltwater Intrusion/ Coastal Erosion/ Tornado

Action 4.1.2: Guide future residential development away from hazard areas using zoning regulations or tax options while maintaining other parish priorities such as economic development and the quality of life

- Timeframe: Ongoing
- Funding: Local/BRIC for outreach or modeling
- Staff: Planning and Zoning
- Hazard Event Mitigated: Hurricane/Flooding/Levee Failure/Saltwater Intrusion/ Coastal Erosion/ Tornado.

Action 4.1.3: Provide safe locations for files, records, and computer equipment

- Timeframe: Ongoing
- Funding: CDBG/HMA/BRIC
- Staff: Finance Department, Information Technologies Division
- Hazard Event Mitigated: Hurricane/Flooding/Levee Failure/ Tornado

Action 4.1.4: Examine current zoning regulations and determine what new regulations could be passed to reduce the effects of hazards on new buildings and infrastructure

- Timeframe: Ongoing
- Funding: Not additional funds required
- Staff: Planning and Zoning
- Hazard Event Mitigated: Hurricane/Flooding/Levee Failure/Saltwater Intrusion/ Coastal Erosion/ Tornado
- Objective 4.2: Promote preservation and/or conservation of flood prone areas for parish parks, recreation areas, and general flood plain management

Action 4.2.1: Participate in existing programs at the state and federal levels oriented to environmental enhancement and conservation

- Timeframe: Ongoing
- Funding: local, regional, and federal
- Staff: Planning and Zoning, Recreation, Parks, & Grounds, Coastal Restoration and Preservation
- Hazard Event Mitigated: Hurricane/Flooding/Levee Failure/Saltwater Intrusion/ Coastal Erosion/ Tornado

Action 4.2.2: Continue to participate in the NFIP (including Houma under the Consolidated Government) and incorporate Community Ratings System principles as appropriate.

- Timeframe: Ongoing
- Funding: Local, BRIC
- Staff: Planning and Zoning
- Hazard Event Mitigated: Hurricane/Flooding/Levee Failure

Action 4.2.3: Establish a public outreach campaign to ensure all homeowners in floodplains are aware of the various types of coverage options under the NFIP

- 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.