

Jefferson Parish

Action ID and Goals	Description	Prioritization	Responsible Coordinating Entity	Potential Funding Agency	(B/C) Benefit-Costs (TF) Technical Feasibility	Cost	Anticipated Year of Completion	Status Update 2015	Status Update 2016
Flood									
F-1 G1	Elevate, Acquire, Reconstruct, Relocate or Flood proof private and infrastructure in flood-prone areas	7-High	JP FPHM	FEMA CPRA DEQ HUD DNR,	By removing structures from the floodplain, homeowners suffer less mental and physical stress, displacement days, and flood damage. Also, the drain on the NFIP is reduced by a decrease in flood claims.	\$1 B	2020	45 elevation/recon FMA 2014 properties approved Oct 2014-more than half are underway; Summer 2015 applied for elevation/recon of: 150 properties (HMA15); 18 properties (1603), 22 propoerties (1607); these are pending approval	April 2016 applied for elevation/recon/floodproof/and provide on-site green infrastructure for 149 properties (HMA 16); pending approval
F-2 G3	Increase storm water protection management including retention and detention basins	7-High	JP Drainage	FEMA CAP USACE HUD OUTLAY	By improving drainage in flood prone areas, residents will suffer fewer flooded structures and therefore, less mental and physical stress, displacement days, and flood damage. Also, the drain on the NFIP is reduced by a decrease in flood claims.	\$20 M	2020	Manson Ditch Retention Pond-Phase 1 approved April 2015; trying to secure funding through NDRC app due Oct 2015 on other retention projects	HMA 2016 - 149 sites applied for Climate Resilience Mitigaiton actions. Parish has established a Stormwater Mngt Committee to review applicable codes for potential amendment
F-3 G2	Encourage and educate public regarding small-scale flood mitigation projects homeowners can employ	4-Low	JP FPHM JUMP	FEMA PRIV. CPRA HUD FUNDS	Homeowners will be empowered to protect themselves with low-cost, DIY projects and suffer less flood damage.	\$10 M	2017	conducted site visit on 9/18/15 and provided homeowner with flood proofing options	conducted site visits on 4/21/16, 4/22/16, 5/31/16, and 7/28/16 and provided homeowners with mitigation options
F-4 G1	Implement drainage improvement projects in flood-prone areas	6-Medium	JP Drainage	FEMA MILLAGE OUTLAY HUD CAP	By improving drainage in flood prone areas, residents will suffer fewer flooded structures and therefore, less mental and physical stress, displacement days, and flood damage. Also, the drain on the NFIP is reduced by a decrease in flood claims.	\$500 M	2020	Manson Ditch Project Phase 1 approved April 2015; Rivertown Drainage Project in Kenner approved Sept 2015	Completed Projects: B&C Canal and Orleans Village (Marrero); Mazoue Ditch Ph 6 (River Ridge); Bonnabel Canal Ph 1, Canal St Canal, and Taft Pump Station (Metairie); Upper Kraak Pump Station Upgrade (Jefferson); Terry Pkwy Ph 3 (Terrytown) Drainage Improvements Under Construction: Ave D Ph 6 and Maplewood/Paillet (Harvey); Mt. Kennedy (Marrero); Terry Pkwy Ph 4 (Terrytown); Waggaman (Waggaman); W. Metairie at Lester Culvert (Metairie)

F-5 G4	Adopt freeboard	7-High	JP FPHM	n/a	Provides a margin of safety against unknown flood depths while taking into account sea level rise and subsidence. Can ultimately reduce the amount of flooding a home would experience, lower flood insurance premiums, and provide the community with CRS points which in turn also lowers flood insurance premiums.		2014	Adopted for areas outside of the levee protection system in December 2014	Vetting Local Drainage Protection (18 inches above CLS) and proposing to adopt no enclosures greater than 299 sqft
F-6 G2	Encourage the purchase of flood insurance	7-High	JP FPHM JUMP	n/a	Enables homeowners to financially recover from the devastating effects of flooding as quickly as possible. Serves to educate area residents that any homeowner, regardless of location, can purchase flood insurance.		ongoing	ongoing; created specific flood insurance promotion outreach projects as part of the PPI (pending approval)	ongoing; created specific flood insurance promotion outreach projects as part of the PPI; one of which is the creation of a video by Parish President Yenni
F-7 G1	Install increased permanent pumps to alleviate flooding	4-Low	JP Drainage	F, H, M CAP	By improving drainage in flood prone areas, residents will suffer fewer flooded structures and therefore, less mental and physical stress, displacement days, and flood damage. Also, the drain on the NFIP is reduced by a decrease in flood claims.	\$100 M	2020	Capital Outlay pumps at the airport; HMGP Projects approved 2015 = Manson Ditch, Clearview, and Maplewood	Taft/Turnbull finished. Pump to River almost finished. Working on Mounes.
F-8 G2, G4	Educate public on not dumping and cleaning catch basins; enforce penalties for dumping	6-Medium	JP FPHM JP Environ JP Drainage	n/a	An informed public is better able to respond to and protect themselves from flooding.		ongoing	Labeled storm drains with "No Dumping" Markers at the Bunche Village on the WB in July 2015; Terrytown (WB) and the Beach Sweep (EB) in Sept 2015	Labeled storm drains with "No Dumping" Markers as part of the Beach Sweep (EB) in Sept 2016
F-9 G4	Issue fewer permits for building in vulnerable areas "study"	6-Medium	JP Planning	n/a	Reduce the localized flooding problems that would occur with new development and keep neighborhoods safe from disasters.		ongoing	ongoing	ongoing
F-10 G1	Implement failover systems as well as study and implement diversion projects for the Miss River	4-Low	JP Environ	F, H, CAPITAL CPRA		\$200 M	2020	Land Bridge in Lafitte is underway. Requesting funding to continue it through the NDRC Competition due Oct 2015.	Engineering underway for land bridge
Hurricanes and Tropical Storms									

H&TS-1 G1	Fortify critical infrastructure with storm shutters, upgraded roofs, and generators	6-Medium	JP Gen Services JP Risk Mngt JP FPHM	FEMA HUD	Provide extra protection to critical infrastructure from potential wind damage, thus allowing operations to continue during hurricanes and tropical storms.	\$50 M	2017	Wind Retrofit Grants: West Jeff Medical Center completed construction Aug 2015; Multiple sites for JP, Gretna and Harahan were applied for through PDM in July 2015; the Fire Station, General Government Building, Kenner Jail, and Town of Lafitte Town Hall Wind Retrofit Projects were approved Sept 2015	Applied for wind retrofit grant for City Hall in Kenner - Buildings A, B, and C.
H&TS-2 G2	Educate public on importance of evacuating, preparing for hurricane season, and generator safety	6-Medium	JP EM JP Fire	n/a	An informed public is better able to respond to and protect themselves from hurricanes.		ongoing	Projects have been identified in the PPI (pending approval)	Implementing projects in the PPI including Prepareathon Day
H&TS-3 G2	Encourage and educate public regarding small-scale wind mitigation projects homeowners can employ	5-Medium	JP FPHM JUMP	n/a	Homeowners will be empowered to protect themselves with low-cost, DIY projects and suffer less flood damage.		ongoing	ongoing	ongoing
H&TS-4 G4	Issue fewer permits for building in vulnerable areas and/or adopt stronger bldg codes "study"	6-Medium	JP Planning	n/a	Reduce the localized flooding and roofing problems that would occur with new development and fortify structures to better withstand flood and wind.		ongoing	ongoing	ongoing
H&TS-5 G1	Widen the bridges to expedite evacuation	5-Medium	JP Streets Cap. Projects		Allows for more efficient traffic flow during evacuation.	\$500 M	2020	Goose Bayou Bridge will be widened	waiting on engineering to begin on Goose Bayou Bridge
Storm Surge									
SS-1 G2	Educate public about risks, preparedness measures, and evacuation procedures	6-Medium	JP EM JP FPHM JUMP	n/a	An informed public is better able to respond to and protect themselves from storm surge.		ongoing	Projects have been identified in the PPI (pending approval); Applied for EPA Education Grant Sept 2015	Implementing projects in the PPI including Prepareathon Day
SS-2 G1	Maintain 100 Year levee protection to ensure continued protection	6-Medium	SELFPA-E/W USACE	n/a	Reduce surge damage and cost to homeowner, government, and NFIP.		ongoing	All of the gates and structures in the hurricane system are exercised by the local levee districts multiple times a year	All of the gates and structures in the hurricane system are exercised by the local levee districts multiple times a year

SS-3 G1	Elevate/ Reconstruct surge-prone structures	4-Low	JP FPHM		By raising structures above the BFE, homeowners suffer less mental and physical stress, displacement days, and flood damage. Also, the drain on the NFIP is reduced by a decrease in flood claims.	\$500 M	2020	45 elevation/recon FMA 2014 properties approved Oct 2014-more than half are underway; Summer 2015 applied for elevation/recon of: 150 properties (HMA15); 18 properties (1603), 22 properties (1607); these are pending approval	April 2016 applied for elevation/recon/floodproof/and provide on-site green infrastructure for 149 properties (HMA 16); pending approval
SS-4 G1, G3	Increase coastal protection	6-Medium	JP Environ		Better coastal protection could help to prolong the presence of the coastline and continue to provide protection against storms as well as economic gain from tourist destinations.	\$2 B		Land Bridge in Lafitte is underway. Requesting funding to continue it through the NDRC Competition due Oct 2015.	Engineering underway for land bridge
SS-5 G1, G3	Build back marsh	6-Medium	JP Environ		Replenish the first lines of defense against hurricanes and surge. This will protect homes from catastrophic levels of damage.	\$2 B		Land Bridge in Lafitte is underway. Requesting funding to continue it through the NDRC Competition due Oct 2015.	Engineering underway for land bridge
SS-6 G4	Issue fewer permits for building in vulnerable areas "study"	6-Medium	JP Planning	n/a	Reduce the number of buildings susceptible to storm surge, thereby, keeping communities safe and damage cost low.		ongoing	ongoing	ongoing
SS-7 G4	Adopt Freeboard	7-High	JP FPHM		Provides a margin of safety against unknown flood depths while taking into account sea level rise and subsidence. Can ultimately reduce the amount of flooding a home would experience, lower flood insurance premiums, and provide the community with CRS points which in turn also lowers flood insurance premiums.		2014	Adopted for areas outside of the levee protection system in December 2014	Vetting Local Drainage Protection (18 inches above CLS) and proposing to adopt no enclosures greater than 299 sqft
SS-8 G3	Fund more erosion mitigation projects (research alternative materials)	6-Medium	JP Environ			\$2 B		Fifi Island Restoration Rock Breakwater Extension has been completed	Plan for protective barrier known as the Gulfside and Bayside Shoreline Breakwaters in Grand Isle is in comment period. Funding would come from the RESTORE Act.

City of Gretna

Action ID and Goals	Description	Prioritization	Responsible Coordinating Entity	Potential Funding Agency	(B/C) Benefit-Costs (TF) Technical Feasibility	Cost	Anticipated Year of Completion	Status Update 2015	Status Update 2016	
Flood										
F-1 G1	Elevate, Acquire, Reconstruct, Relocate or Flood proof private and public structures and infrastructure in flood-prone areas	7-High	JP FPHM	FEMA CPRA DEQ	HUD DNR,	By removing structures from the floodplain, homeowners suffer less mental and physical stress, displacement days, and flood damage. Also, the drain on the NFIP is reduced by a decrease in flood claims.	\$1 B	2020	45 elevation/recon FMA 2014 properties approved Oct 2014-more than half are underway; Summer 2015 applied for elevation/recon of: 150 properties (HMA15); 18 properties (1603), 22 propoerties (1607); these are pending approval	April 2016 applied for elevation/recon/floodproof/and provide on-site green infrastructure for 149 properties (HMA 16); pending approval
F-2 G3	Increase storm water protection management including retention and detention basins	7-High	JP Drainage	FEMA CAP OUTLAY USACE	HUD	By improving drainage in flood prone areas, residents will suffer fewer flooded structures and therefore, less mental and physical stress, displacement days, and flood damage. Also, the drain on the NFIP is reduced by a decrease in flood claims.	\$20 M	2020	no update	Completed Racetrack detention pond project. Hancock Canal project began August, 2016, enclosing canal and increasing drainage capacity. 4th Street Extension project to break ground Q1 2017, includes new drainage infrastructure. Engineering complete on Downtown Drainage Project, waiting on funding to start construction.
F-3 G2	Encourage and educate public regarding small-scale flood mitigation projects homeowners can employ	4-Low	JP FPHM JUMP	FEMA HUD FUNDS	PRIV. CPRA	Homeowners will be empowered to protect themselves with low-cost, DIY projects and suffer less flood damage.	\$10 M	2017	no update	Ongoing outreach as part of PPI.
F-4 G1	Implement drainage improvement projects in flood-prone areas	6-Medium	JP Drainage	FEMA MILLAGE OUTLAY	HUD CAP	By improving drainage in flood prone areas, residents will suffer fewer flooded structures and therefore, less mental and physical stress, displacement days, and flood damage. Also, the drain on the NFIP is reduced by a decrease in flood claims.	\$500 M	2020	no update	Projects detailed in F2 above also impact flood prone areas and are equally applicable here.

F-5 G4	Adopt freeboard	7-High	JP FPHM	n/a	Provides a margin of safety against unknown flood depths while taking into account sea level rise and subsidence. Can ultimately reduce the amount of flooding a home would experience, lower flood insurance premiums, and provide the community with CRS points which in turn also lowers flood insurance premiums.		2014	considering in the coming year	City anticipates adoption of the new 2016 DFIRMS in 2017. Administration will recommend to City Council to maintain our current 3' above BFE as a high regulatory standard.	
F-6 G2	Encourage the purchase of flood insurance	7-High	JP FPHM JUMP	n/a	Enables homeowners to financially recover from the devastating effects of flooding as quickly as possible. Serves to educate area residents that any homeowner, regardless of location, can purchase flood insurance.		ongoing	ongoing; created specific flood insurance promotion outreach projects as part of the PPI (pending approval)	Implementing the the PPI. Video produced featuring Mayor Constant to promote purchase of flood insurance published on web, social media, and shown at public meetings.	
F-7 G1	Install increased permanent pumps to alleviate flooding	4-Low	JP Drainage	F, H, M	CAP	By improving drainage in flood prone areas, residents will suffer fewer flooded structures and therefore, less mental and physical stress, displacement days, and flood damage. Also, the drain on the NFIP is reduced by a decrease in flood claims.	\$100 M	2020	no update	No update
F-8 G2	Educate public on not dumping and cleaning catch basins; enforce penalties for dumping	6-Medium	JP FPHM JP Environ JP Drainage	n/a		An informed public is better able to respond to and protect themselves from flooding.		ongoing	ongoing	Ongoing. Hosted several MS4 workshops targeted at contractors, builders, and building inspectors.
F-9 G1	Technology redundancy	7-High				Backing up technology at multiple locations can reduce disruption in productivity and operations.		ongoing	ongoing	Implemented server virtualization for faster recovery capabilities, relocated critical application servers to new hardened facility that is elevated and equipped with redundant/failover power and internet access. Maintain disaster recovery redundancy with primary financial software vendor.

Hurricanes and Tropical Storms

H&TS-1 G1	Fortify critical infrastructure with storm shutters, upgraded roofs, and generators	6-Medium	JP Gen Services JP Risk Mngt JP FPHM	FEMA HUD	Provide extra protection to critical infrastructure from potential wind damage, thus allowing operations to continue during hurricanes and tropical storms.	\$50 M	2017	Wind Retrofit Grants: Multiple sites for JP, Gretna and Harahan were applied for through PDM in July 2015; the General Government Building, in Gretna Wind Retrofit Project was approved Sept 2015	Refining scope of proposed project to work within PDM requirements for the Wind Retrofit Grants. New Police Department building has been completed designed to withstand wind and flood hazards and with backup generators. Mel Ott Multipurpose Center (a designated emergency operation location) has been retrofitted with backup power generation.
H&TS-2 G2	Educate public on importance of evacuating, preparing for hurricane season, and generator safety	6-Medium	JP EM JP Fire	n/a	An informed public is better able to respond to and protect themselves from hurricanes.		ongoing	Projects have been identified in the PPI (pending approval)	Implementing the PPI. City also pre-registers at-risk populations for evacuation assistance.
H&TS-3 G2	Encourage and educate public regarding small-scale wind mitigation projects homeowners can employ	5-Medium	JP FPHM JUMP	n/a	Homeowners will be empowered to protect themselves with low-cost, DIY projects and suffer less flood damage.		ongoing	ongoing	Ongoing. City adopted generator safety ordinance in building codes. City enforces wind load regulations on all new construction.
Storm Surge									
SS-1 G2	Educate public about risks, preparedness measures, and evacuation procedures	6-Medium	JP EM JP FPHM JUMP	n/a	An informed public is better able to respond to and protect themselves from storm surge.		ongoing	Projects have been identified in the PPI (pending approval); Applied for EPA Education Grant Sept 2015	Ongoing through PPI activities
SS-2 G1	Maintain 100 Year levee protection to ensure continued protection	6-Medium	SELFPA-E/W USACE	n/a	Reduce surge damage and cost to homeowner, government, and NFIP.		ongoing	All of the gates and structures in the hurricane system are exercised by the local levee districts multiple times a year	All of the gates and structures in the hurricane system are exercised by the local levee districts multiple times a year
SS-3 G1, G3	Coastal erosion projects	6-Medium			Increased coastal protection could help to prolong the presence of the coastline and continue to provide protection against storms as well as economic gain from tourist destinations.			no update	no update
SS-4 G1, G3	Revitalize wetlands to protect City from surge	6-Medium			Replenish the first lines of defense against hurricanes and surge. This will protect homes from catastrophic levels of damage.			no update	no update

City of Harahan

Action ID and Goals	Description	Prioritization	Responsible Coordinating Entity	Potential Funding Agency	(B/C) Benefit-Costs (TF) Technical Feasibility	Cost	Anticipated Year of Completion	Status Update 2015	Status Update 2016	
Flood										
F-1 G1	Elevate, Acquire, Reconstruct, Relocate or Flood proof private and public structures and infrastructure in flood-prone areas	7-High	JP FPHM	FEMA CPRA DEQ	HUD DNR,	By removing structures from the floodplain, homeowners suffer less mental and physical stress, displacement days, and flood damage. Also, the drain on the NFIP is reduced by a decrease in flood claims.	\$1 B	2020	45 elevation/recon FMA 2014 properties approved Oct 2014-more than half are underway; Summer 2015 applied for elevation/recon of: 150 properties (HMA15); 18 properties (1603), 22 propoerties (1607); these are pending approval	April 2016 applied for elevation/recon/floodproof/and provide on-site green infrastructure for 149 properties (HMA 16); pending approval
F-2 G3	Increase storm water protection management including retention and detention basins	7-High	JP Drainage	FEMA CAP USACE	HUD OUTLAY	By improving drainage in flood prone areas, residents will suffer fewer flooded structures and therefore, less mental and physical stress, displacement days, and flood damage. Also, the drain on the NFIP is reduced by a decrease in flood claims.	\$20 M	2020	no update	no update
F-3 G2	Encourage and educate public regarding small-scale flood mitigation projects homeowners can employ	4-Low	JP FPHM JUMP	FEMA PRIV. FUNDS CPRA	HUD	Homeowners will be empowered to protect themselves with low-cost, DIY projects and suffer less flood damage.	\$10 M	2017	no update	no update
F-4 G1	Implement drainage improvement projects in flood-prone areas	6-Medium	JP Drainage	FEMA MILLAGE OUTLAY	HUD CAP	By improving drainage in flood prone areas, residents will suffer fewer flooded structures and therefore, less mental and physical stress, displacement days, and flood damage. Also, the drain on the NFIP is reduced by a decrease in flood claims.	\$500 M	2020	no update	no update
F-5 G4	Adopt freeboard	7-High	JP FPHM	n/a		Provides a margin of safety against unknown flood depths while taking into account sea level rise and subsidence. Can ultimately reduce the amount of flooding a home would experience, lower flood insurance premiums, and provide the community with CRS points which in turn also lowers flood insurance premiums.		2014	considering in the coming year	no update

F-6 G2	Encourage the purchase of flood insurance	7-High	JP FPHM JUMP	n/a	Enables homeowners to financially recover from the devastating effects of flooding as quickly as possible. Serves to educate area residents that any homeowner, regardless of location, can purchase flood insurance.		ongoing	ongoing; created specific flood insurance promotion outreach projects as part of the PPI (pending approval)	ongoing; created specific flood insurance promotion outreach projects as part of the PPI; one of which is the creation of a video by Mayor Miceli
F-7 G2	Educate public on not dumping and cleaning catch basins	6-Medium	JP FPHM JP Environ JP Drainage	n/a	An informed public is better able to respond to and protect themselves from flooding.		ongoing	ongoing	ongoing
Hurricanes and Tropical Storms									
H&TS-1 G1	Fortify critical infrastructure with storm shutters, upgraded roofs, and generators	6-Medium	JP Gen Services JP Risk Mngt JP FPHM	FEMA HUD	Provide extra protection to critical infrastructure from potential wind damage, thus allowing operations to continue during hurricanes and tropical storms.	\$50 M	2017	Multiple sites for JP, Gretna and Harahan were applied for through PDM in July 2015	still awaiting approval of PDM 2015 projects
H&TS-2 G2	Educate public on importance of evacuating, preparing for hurricane season, and generator safety	6-Medium	JP EM JP Fire	n/a	An informed public is better able to respond to and protect themselves from hurricanes.		ongoing	Projects have been identified in the PPI (pending approval)	implementing projects identified in the PPI
H&TS-3 G2	Encourage and educate public regarding small-scale wind mitigation projects homeowners can employ	5-Medium	JP FPHM JUMP	n/a	Homeowners will be empowered to protect themselves with low-cost, DIY projects and suffer less flood damage.		ongoing	ongoing	ongoing
H&TS-4 G4	Issue fewer permits for building in vulnerable areas	6-Medium	JP Planning	n/a	Reduce the localized flooding and roofing problems that would occur with new development		ongoing	ongoing	ongoing
Storm Surge									
SS-1 G2	Educate public about risks, preparedness measures, and evacuation procedures	6-Medium	JP EM JP FPHM JUMP	n/a	An informed public is better able to respond to and protect themselves from storm surge.		ongoing	Projects have been identified in the PPI (pending approval); Applied for EPA Education Grant Sept 2015	implementing projects identified in the PPI
SS-2 G1	Maintain 100 Year levee protection to ensure continued protection	6-Medium	SELFPA-E/W USACE	n/a	Reduce surge damage and cost to homeowner, government, and NFIP.		ongoing	All of the gates and structures in the hurricane system are exercised by the local levee districts multiple times a year	All of the gates and structures in the hurricane system are exercised by the local levee districts multiple times a year

City of Kenner

Action ID and Goals	Description	Prioritization	Responsible Coordinating Entity	Potential Funding Agency	(B/C) Benefit-Costs (TF) Technical Feasibility	Cost	Anticipated Year of Completion	Status Update 2015	Status Update 2016
Flood									
F-1 G1	Elevate, Acquire, Reconstruct, Relocate or Flood proof private and public structures and infrastructure in flood-prone areas	7-High	JP FPHM	FEMA HUD CPRA DNR, DEQ	By removing structures from the floodplain, homeowners suffer less mental and physical stress, displacement days, and flood damage. Also, the drain on the NFIP is reduced by a decrease in flood claims.	\$1 B	2020	approved Oct 2014-more than half are underway; Summer 2015 applied for elevation/recon of: 150 properties (HMA15); 18 properties (1603), 22 propeorties (1607); these are pending approval	April 2016 applied for elevation/recon/floodproof/and provide on-site green infrastructure for 149 properties (HMA 16); pending approval
F-2 G3	Increase storm water protection management including retention and detention basins	7-High	JP Drainage	FEMA HUD CAP OUTLAY USACE	By improving drainage in flood prone areas, residents will suffer fewer flooded structures and therefore, less mental and physical stress, displacement days, and flood damage. Also, the drain on the NFIP is reduced by a decrease in flood claims.	\$20 M	2020	no update	no update
F-3 G2	Encourage and educate public regarding small-scale flood mitigation projects homeowners can employ	4-Low	JP FPHM JUMP	FEMA HUD PRIV. FUNDS CPRA	Homeowners will be empowered to protect themselves with low-cost, DIY projects and suffer less flood damage.	\$10 M	2017	no update	no update
F-4 G1	Implement drainage improvement projects in flood-prone areas	6-Medium	JP Drainage	FEMA HUD MILLAGE CAP OUTLAY	By improving drainage in flood prone areas, residents will suffer fewer flooded structures and therefore, less mental and physical stress, displacement days, and flood damage. Also, the drain on the NFIP is reduced by a decrease in flood claims.	\$500 M	2020	Rivertown Drainage Project in Kenner approved Sept 2015	Rivertown Drainage Project underway
F-5 G4	Adopt freeboard	7-High	JP FPHM	n/a	Provides a margin of safety against unknown flood depths while taking into account sea level rise and subsidence. Can ultimately reduce the amount of flooding a home would experience, lower flood insurance premiums, and provide the community with CRS points which in turn also lowers flood insurance premiums.		2014	considering in the coming year	still under consideration

F-6 G2	Encourage the purchase of flood insurance	7-High	JP FPHM JUMP	n/a	Enables homeowners to financially recover from the devastating effects of flooding as quickly as possible. Serves to educate area residents that any homeowner, regardless of location, can purchase flood insurance.		ongoing	ongoing; created specific flood insurance promotion outreach projects as part of the PPI (pending approval)	ongoing; created specific flood insurance promotion outreach projects as part of the PPI; one of which is the creation of a video by Acting Mayor Sigur
F-7 G1	Install increased permanent pumps to alleviate flooding	4-Low	JP Drainage	F, H, M CAP	By improving drainage in flood prone areas, residents will suffer fewer flooded structures and therefore, less mental and physical stress, displacement days, and flood damage. Also, the drain on the NFIP is reduced by a decrease in flood claims.	\$100 M	2020	no update	Massive pumping station at new airport expansion facility underway
F-8 G2	Educate public on not dumping and cleaning catch basins	6-Medium	JP FPHM JP Environ JP Drainage	n/a	An informed public is better able to respond to and protect themselves from flooding.		ongoing	Labeled storm drains with "No Dumping" Markers at the Beach Sweep (EB) in Sept 2015	Cleaned and labeled storm drains with "No Dumping" markers at the Beach Sweep (EB) in Sept 2016
Hurricanes and Tropical Storms									
H&TS-1 G1	Fortify critical infrastructure with storm shutters, upgraded roofs, and generators	6-Medium	JP Gen Services JP Risk Mngt JP FPHM	FEMA HUD	Provide extra protection to critical infrastructure from potential wind damage, thus allowing operations to continue during hurricanes and tropical storms.	\$50 M	2017	Kenner Jail, Wind Retrofit Project was approved Sept 2015	Storm shutters added to police complex and public works complex; looking to add some to the city hall building as well
H&TS-2 G2	Educate public on importance of evacuating, preparing for hurricane season, and generator safety	6-Medium	JP EM JP Fire	n/a	An informed public is better able to respond to and protect themselves from hurricanes.		ongoing	Projects have been identified in the PPI (pending approval)	implementing projects identified in the PPI
H&TS-3 G2	Encourage and educate public regarding small-scale wind mitigation projects homeowners can employ	5-Medium	JP FPHM JUMP	n/a	Homeowners will be empowered to protect themselves with low-cost, DIY projects and suffer less flood damage.		ongoing	ongoing	ongoing
H&TS-4 G4	Adopt and Enforce Strict and uniform bldg codes	6-Medium			Fortify structures to better withstand flood and wind.			no update	no update
Storm Surge									
SS-1 G2	Educate public about risks, preparedness measures, and evacuation procedures	6-Medium	JP EM JP FPHM JUMP	n/a	An informed public is better able to respond to and protect themselves from storm surge.		ongoing	Projects have been identified in the PPI (pending approval); Applied for EPA Education Grant Sept 2015	implementing projects identified in the PPI

SS-2 G1	Maintain 100 Year levee protection to ensure continued protection	6-Medium	SELFPA-E/W USACE	n/a	Reduce surge damage and cost to homeowner, government, and NFIP.		ongoing	All of the gates and structures in the hurricane system are exercised by the local levee districts multiple times a year	All of the gates and structures in the hurricane system are exercised by the local levee districts multiple times a year
SS-3 G2	Awareness of climate change and environmental impacts	6-Medium			An informed public is better able to respond to and protect themselves from climate change and disasters resulting from climate change.			Requesting funding through the NDRC Competition due Oct 2015 to create an educational component around environmental impacts; Beach Sweep twice a year.	participated in Beach Sweep along Lake Pontchartrain

City of Westwego

Action ID and Goals	Description	Prioritization	Responsible Coordinating Entity	Potential Funding Agency	(B/C) Benefit-Costs (TF) Technical Feasibility	Cost	Anticipated Year of Completion	Status Update 2015	Status Update 2016
Flood									
F-1 G1	Elevate, Acquire, Reconstruct, Relocate or Flood proof private and public structures and infrastructure in flood-prone areas	7-High	JP FPHM	FEMA HUD CPRA DNR, DEQ	By removing structures from the floodplain, homeowners suffer less mental and physical stress, displacement days, and flood damage. Also, the drain on the NFIP is reduced by a decrease in flood claims.	\$1 B	2020	45 elevation/recon FMA 2014 properties approved Oct 2014-more than half are underway; Summer 2015 applied for elevation/recon of: 150 properties (HMA15); 18 properties (1603), 22 propoerties (1607); these are pending approval	April 2016 applied for elevation/recon/floodproof/and provide on-site green infrastructure for 149 properties (HMA 16); pending approval
F-2 G3	Increase storm water protection management including retention and detention basins	7-High	JP Drainage	FEMA HUD CAP OUTLAY USACE	By improving drainage in flood prone areas, residents will suffer fewer flooded structures and therefore, less mental and physical stress, displacement days, and flood damage. Also, the drain on the NFIP is reduced by a decrease in flood claims.	\$20 M	2020	no update	no update
F-3 G2	Encourage and educate public regarding small-scale flood mitigation projects homeowners can employ	4-Low	JP FPHM JUMP	FEMA HUD PRIV. FUNDS CPRA	Homeowners will be empowered to protect themselves with low-cost, DIY projects and suffer less flood damage.	\$10 M	2017	no update	no update
F-4 G1	Implement drainage improvement projects in flood-prone areas	6-Medium	JP Drainage	FEMA HUD MILLAGE CAP OUTLAY	By improving drainage in flood prone areas, residents will suffer fewer flooded structures and therefore, less mental and physical stress, displacement days, and flood damage. Also, the drain on the NFIP is reduced by a decrease in flood claims.	\$500 M	2020	in early design phase	no update
F-5 G4	Adopt freeboard	7-High	JP FPHM	n/a	Provides a margin of safety against unknown flood depths while taking into account sea level rise and subsidence. Can ultimately reduce the amount of flooding a home would experience, lower flood insurance premiums, and provide the community with CRS points which in turn also lowers flood insurance premiums.		2014	considering in the coming year	still under consideration
F-6 G2	Encourage the purchase of flood insurance	7-High	JP FPHM JUMP	n/a	Enables homeowners to financially recover from the devastating effects of flooding as quickly as possible. Serves to educate area residents that any homeowner, regardless of location, can purchase flood insurance.		ongoing	ongoing; created specific flood insurance promotion outreach projects as part of the PPI (pending approval)	ongoing; created specific flood insurance promotion outreach projects as part of the PPI; one of which is the creation of a video by Mayor Shaddinger

F-7 G1	Install increased permanent pumps to alleviate flooding	4-Low	JP Drainage	F, H, M CAP	By improving drainage in flood prone areas, residents will suffer fewer flooded structures and therefore, less mental and physical stress, displacement days, and flood damage. Also, the drain on the NFIP is reduced by a decrease in flood claims.	\$100 M	2020	no update	no update
F-8 G2	Educate public on not dumping and cleaning catch basins	6-Medium	JP FPHM JP Environ JP Drainage	n/a	An informed public is better able to respond to and protect themselves from flooding.		ongoing	ongoing	ongoing through PPI projects
Hurricanes and Tropical Storms									
H&TS-1 G1	Fortify critical infrastructure with storm shutters, upgraded roofs, and generators	6-Medium	JP Gen Services JP Risk Mngt JP FPHM	FEMA HUD	Provide extra protection to critical infrastructure from potential wind damage, thus allowing operations to continue during hurricanes and tropical storms.	\$50 M	2017	no update	no update
H&TS-2 G2	Educate public on importance of evacuating, preparing for hurricane season, and generator safety	6-Medium	JP EM JP Fire	n/a	An informed public is better able to respond to and protect themselves from hurricanes.		ongoing	Projects have been identified in the PPI (pending approval)	implementing projects identified in PPI
H&TS-3 G2	Encourage and educate public regarding small-scale wind mitigation projects homeowners can employ	5-Medium	JP FPHM JUMP	n/a	Homeowners will be empowered to protect themselves with low-cost, DIY projects and suffer less flood damage.		ongoing	ongoing	ongoing
H&TS-4 G4	Issue fewer permits for building in vulnerable areas	6-Medium	JP Planning	n/a	Reduce the localized flooding and roofing problems that would occur with new development.		ongoing	ongoing	ongoing
Storm Surge									
SS-1 G2	Educate public about risks, preparedness measures, and evacuation procedures	6-Medium	JP EM JP FPHM JUMP	n/a	An informed public is better able to respond to and protect themselves from storm surge.		ongoing	Projects have been identified in the PPI (pending approval); Applied for EPA Education Grant Sept 2015	implementing projects identified in PPI
SS-2 G1	Maintain 100 Year levee protection to ensure continued protection	6-Medium	SELFPA-E/W USACE	n/a	Reduce surge damage and cost to homeowner, government, and NFIP.		ongoing	All of the gates and structures in the hurricane system are exercised by the local levee districts multiple times a year	All of the gates and structures in the hurricane system are exercised by the local levee districts multiple times a year
SS-3 G4	Issue fewer permits for building in vulnerable areas	6-Medium			Reduce the number of buildings susceptible to storm surge, thereby, keeping communities safe and damage cost low.		ongoing	ongoing	ongoing

Town of Grand Isle

Action ID and Goals	Description	Prioritization	Responsible Coordinating Entity	Potential Funding Agency	(B/C) Benefit-Costs (TF) Technical Feasibility	Cost	Anticipated Year of Completion	Status Update 2015	Status Update 2016
Flood									
F-1 G1	Elevate, Acquire, Reconstruct, Relocate or Flood proof private and public structures and infrastructure in flood-prone areas	7-High	JP FPHM	FEMA HUD CPRA DNR, DEQ	By removing structures from the floodplain, homeowners suffer less mental and physical stress, displacement days, and flood damage. Also, the drain on the NFIP is reduced by a decrease in flood claims.	\$1 B	2020	45 elevation/recon FMA 2014 properties approved Oct 2014-more than half are underway; Summer 2015 applied for elevation/recon of: 150 properties (HMA15); 18 properties (1603), 22 propoerties (1607); these are pending approval	April 2016 applied for elevation/recon/floodproof/and provide on-site green infrastructure for 149 properties (HMA 16); pending approval
F-2 G3	Increase storm water protection management including retention and detention basins	7-High	JP Drainage	FEMA HUD CAP OUTLAY USACE	By improving drainage in flood prone areas, residents will suffer fewer flooded structures and therefore, less mental and physical stress, displacement days, and flood damage. Also, the drain on the NFIP is reduced by a decrease in flood claims.	\$20 M	2020	no update	no update
F-3 G2	Encourage and educate public regarding small-scale flood mitigation projects homeowners can employ	4-Low	JP FPHM JUMP	FEMA HUD PRIV. FUNDS CPRA	Homeowners will be empowered to protect themselves with low-cost, DIY projects and suffer less flood damage.	\$10 M	2017	no update	no update
F-4 G1	Implement drainage improvement projects in flood-prone areas	6-Medium	JP Drainage	FEMA HUD MILLAGE CAP OUTLAY	By improving drainage in flood prone areas, residents will suffer fewer flooded structures and therefore, less mental and physical stress, displacement days, and flood damage. Also, the drain on the NFIP is reduced by a decrease in flood claims.	\$500 M	2020	no update	no update

F-5 G4	Adopt freeboard	7-High	JP FPHM	n/a	Provides a margin of safety against unknown flood depths while taking into account sea level rise and subsidence. Can ultimately reduce the amount of flooding a home would experience, lower flood insurance premiums, and provide the community with CRS points which in turn also lowers flood insurance premiums.		2014	no update	no update
F-6 G2	Encourage the purchase of flood insurance	7-High	JP FPHM JUMP	n/a	Enables homeowners to financially recover from the devastating effects of flooding as quickly as possible. Serves to educate area residents that any homeowner, regardless of location, can purchase flood insurance.		ongoing	ongoing; created specific flood insurance promotion outreach projects as part of the PPI (pending approval)	ongoing
Hurricanes and Tropical Storms									
H&TS-1 G1	Fortify critical infrastructure with storm shutters, upgraded roofs, and generators	6-Medium	JP Gen Services JP Risk Mngt JP FPHM	FEMA HUD	Provide extra protection to critical infrastructure from potential wind damage, thus allowing operations to continue during hurricanes and tropical storms.	\$50 M	2017	no update	no update
H&TS-2 G2	Educate public on importance of evacuating, preparing for hurricane season, and generator safety	6-Medium	JP EM JP Fire	n/a	An informed public is better able to respond to and protect themselves from hurricanes.		ongoing	Projects have been identified in the PPI (pending approval)	ongoing
H&TS-3 G2	Encourage and educate public regarding small-scale wind mitigation projects homeowners can employ	5-Medium	JP FPHM JUMP	n/a	Homeowners will be empowered to protect themselves with low-cost, DIY projects and suffer less flood damage.		ongoing	ongoing	ongoing
H&TS-4 G3	Use debris (fallen trees) after a strong hurricane for coastal restoration (like Christmas tree project)	6-Medium			Better coastal protection could help to prolong the presence of the coastline and continue to provide protection against storms as well as economic gain from tourist destinations.			no 2015 hurricane	no 2016 hurricane
H&TS-5 G1	Upgrade and lower water lines to 20 ft below the water surface	5-Medium			This would allow uninterrupted water service for residents living in the Town.			Requesting funding to continue it through the NDRC Competition due Oct 2015	NDRC did not get funded

Storm Surge									
SS-1 G2	Educate public about risks, preparedness measures, and evacuation procedures	6-Medium	JP EM JP FPHM JUMP	n/a	An informed public is better able to respond to and protect themselves from storm surge.		ongoing	ongoing; applied for EPA Education Grant Sept 2015	ongoing
SS-2 G1, G3	Increase coastal protection	6-Medium			Better coastal protection could help to prolong the presence of the coastline and continue to provide protection against storms as well as economic gain from tourist destinations.			Fifi Island Restoration Rock Breakwater Extension has been completed	Plan for protective barrier known as the Gulfside and Bayside Shoreline Breakwaters in Grand Isle is in comment period. Funding would come from the RESTORE Act.
SS-3 G1	Elevate/ Reconstruct surge-prone structures	4-Low			By raising structures above the BFE, homeowners suffer less mental and physical stress, displacement days, and flood damage. Also, the drain on the NFIP is reduced by a decrease in flood claims.			45 elevation/recon FMA 2014 properties approved Oct 2014-more than half are underway; Summer 2015 applied for elevation/recon of: 150 properties (HMA15); 18 properties (1603), 22 properties (1607); these are pending approval	April 2016 applied for elevation/recon/floodproof/and provide on-site green infrastructure for 149 properties (HMA 16); pending approval
SS-4 G1, G3	Natural Shoreline/ Dune Restoration	4-Low			Better coastal protection could help to prolong the presence of the coastline and continue to provide protection against storms as well as economic gain from tourist destinations.			Fifi Island Restoration Rock Breakwater Extension has been completed	Plan for protective barrier known as the Gulfside and Bayside Shoreline Breakwaters in Grand Isle is in comment period. Funding would come from the RESTORE Act.

Town of Jean Lafitte

Action ID and Goals	Description	Prioritization	Responsible Coordinating Entity	Potential Funding Agency	(B/C) Benefit-Costs (TF) Technical Feasibility	Cost	Anticipated Year of Completion	Status Update 2015	Status Update 2016
Flood									
F-1 G1	Elevate, Acquire, Reconstruct, Relocate or Flood proof private and public structures and infrastructure in flood-prone areas	7-High	JP FPHM	FEMA HUD CPRA DNR, DEQ	By removing structures from the floodplain, homeowners suffer less mental and physical stress, displacement days, and flood damage. Also, the drain on the NFIP is reduced by a decrease in flood claims.	\$1 B	2020	45 elevation/recon FMA 2014 properties approved Oct 2014-more than half are underway; Summer 2015 applied for elevation/recon of: 150 properties (HMA15); 18 properties (1603), 22 proproperties (1607); these are pending approval	April 2016 applied for elevation/recon/floodproof/and provide on-site green infrastructure for 149 properties (HMA 16); pending approval
F-2 G3	Increase storm water protection management including retention and detention basins	7-High	JP Drainage	FEMA HUD CAP OUTLAY USACE	By improving drainage in flood prone areas, residents will suffer fewer flooded structures and therefore, less mental and physical stress, displacement days, and flood damage. Also, the drain on the NFIP is reduced by a decrease in flood claims.	\$20 M	2020	Implementing 7 to 8 foot of tidal surge levees.	levees are underway
F-3 G2	Encourage and educate public regarding small-scale flood mitigation projects homeowners can employ	4-Low	JP FPHM JUMP	FEMA HUD PRIV. FUNDS CPRA	Homeowners will be empowered to protect themselves with low-cost, DIY projects and suffer less flood damage.	\$10 M	2017	presented enviroscape program to 3rd grade classes in Lafitte on 9/18/15	ongoing
F-4 G1	Implement drainage improvement projects in flood-prone areas	6-Medium	JP Drainage	FEMA HUD MILLAGE CAP OUTLAY	By improving drainage in flood prone areas, residents will suffer fewer flooded structures and therefore, less mental and physical stress, displacement days, and flood damage. Also, the drain on the NFIP is reduced by a decrease in flood claims.	\$500 M	2020	The Town has implemented over 7 million dollars in the past year	no update
F-5 G4	Adopt freeboard	7-High	JP FPHM	n/a	Provides a margin of safety against unknown flood depths while taking into account sea level rise and subsidence. Can ultimately reduce the amount of flooding a home would experience, lower flood insurance premiums, and provide the community with CRS points which in turn also lowers flood insurance premiums.		2014	considering in the coming year	still under consideration

F-6 G2	Encourage the purchase of flood insurance	7-High	JP FPHM JUMP	n/a	Enables homeowners to financially recover from the devastating effects of flooding as quickly as possible. Serves to educate area residents that any homeowner, regardless of location, can purchase flood insurance.		ongoing	ongoing; created specific flood insurance promotion outreach projects as part of the PPI (pending approval)	ongoing; created specific flood insurance promotion outreach projects as part of the PPI; one of which is the creation of a video by Mayor Kerner
F-7 G1	Install increased permanent pumps to alleviate flooding	4-Low	JP Drainage	F, H, M CAP	By improving drainage in flood prone areas, residents will suffer fewer flooded structures and therefore, less mental and physical stress, displacement days, and flood damage. Also, the drain on the NFIP is reduced by a decrease in flood claims.	\$100 M	2020	no update	no update
Hurricanes and Tropical Storms									
H&TS-1 G1	Fortify critical infrastructure with storm shutters, upgraded roofs, and generators	6-Medium	JP Gen Services JP Risk Mngt JP FPHM	FEMA HUD	Provide extra protection to critical infrastructure from potential wind damage, thus allowing operations to continue during hurricanes and tropical storms.	\$50 M	2017	Town of Lafitte Town Hall Wind Retrofit Project was approved Sept 2015	project is underway
H&TS-2 G2	Educate public on importance of evacuating, preparing for hurricane season, and generator safety	6-Medium	JP EM JP Fire	n/a	An informed public is better able to respond to and protect themselves from hurricanes.		ongoing	Projects have been identified in the PPI (pending approval)	implementing projects in PPI
H&TS-3 G2	Encourage and educate public regarding small-scale wind mitigation projects homeowners can employ	5-Medium	JP FPHM JUMP	n/a	Homeowners will be empowered to protect themselves with low-cost, DIY projects and suffer less flood damage.		ongoing	ongoing	ongoing
H&TS-4 G1	Barrier construction along bayous to prevent erosion	4-Low			Better coastal protection could help to prolong the presence of the coastline and continue to provide protection against storms as well as economic gain from tourist destinations.			Implementing 7 to 8 foot of tidal surge levees.	levees are underway
H&TS-5 G1	Elevate evacuation routes	5-Medium			Alleviates the need to close evacuation routes due to road flooding and helps homeowners seek safety quicker.			Plans are being discussed	no update
H&TS-6 G1	Emergency generators at sewer treatment plants and lift stations	5-Medium			Provide continuous source of power during power outages to keep homes protected from flood waters and sewer backup.			Rosethorn Sewer Project being proposed in NDRC Competition due Oct 2015	NDRC did not get funded; seeking other funds
Storm Surge									
SS-1 G2	Educate public about risks, preparedness measures, and evacuation procedures	6-Medium	JP EM JP FPHM JUMP	n/a	An informed public is better able to respond to and protect themselves from storm surge.		ongoing	Projects have been identified in the PPI (pending approval); Applied for EPA Education Grant Sept 2015	implementing projects in PPI

SS-2 G1, G3	Build back marsh	6-Medium			Replenish the first lines of defense against hurricanes and surge. This will protect homes from catastrophic levels of damage.			Land Bridge in Lafitte is underway. Requesting funding to continue it through the NDRC Competition due Oct 2015.	Engineering underway for land bridge
SS-3 G1	Elevate/ Reconstruct surge-prone structures	4-Low			By raising structures above the BFE, homeowners suffer less mental and physical stress, displacement days, and flood damage. Also, the drain on the NFIP is reduced by a decrease in flood claims.			45 elevation/recon FMA 2014 properties approved Oct 2014-more than half are underway; Summer 2015 applied for elevation/recon of: 150 properties (HMA15); 18 properties (1603), 22 propoerties (1607); these are pending approval	April 2016 applied for elevation/recon/floodproof/and provide on-site green infrastructure for 149 properties (HMA 16); pending approval