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May 2, 2017

Miles E. Anderson, Chief, Bureau of Mitigation
Florida Division of Emergency Management
ATTENTION: Mitigation Planning Section
2555 Shumard Oaks Boulevard
Tallahassee, FL 32399-2100

RE: Pinellas County Local Mitigation Strategy – Appendix 9 Mitigation Initiatives List Update & Endorsement Letter for FEMA 4280-DR-FL, Hurricane Hermine

Dear Mr. Anderson:

This letter is to inform you that the Pinellas County Local Mitigation Strategy (LMS) Working Group has voted at a meeting on May 2, 2017 to add two projects to the prioritized Mitigation Initiatives shown in Table 9-1 of the County's LMS. These projects are highlighted in Attachment 1 of this letter.

Correspondingly, these two projects were formally endorsed by the LMS Working Group at the May 2, 2017 meeting to apply for the Hazard Mitigation Grant Program funding associated with FEMA 4280-DR-FL, Hurricane Hermine, that was allocated to Pinellas County. A copy of that letter is also provided as Attachment 2 to this letter.

If you have any questions, please feel to contact me at 727-464-8200 or via email at rvincent@pinellascounty.org.

Sincerely,

Renea Vincent
Pinellas County Planning Director
LMS Chair

Attachments

- 1) Pinellas County LMS Appendix 9 Updates (Underline Copy)
- 2) Pinellas County LMS Endorsement Letter for FEMA 4280-DR-FL, Hurricane Hermine

cc: Commissioner Janet C. Long, Chair
Pinellas County Board of County Commissioners

Sally Bishop, Director
Pinellas County Emergency Management

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Attachment 1

Pinellas County LMS Appendix 9 Update (Underline Copy)

APPENDIX 9
MITIGATION INITIATIVES

Pinellas County Local Mitigation Strategy

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APPENDIX 9: MITIGATION INITIATIVES

Introduction

The mitigation measures or initiatives listed in Attachment 1 are the result of the identification, evaluation and prioritizing of the proposed actions from the representatives on the LMS Working Group. The mitigation measures are consistent with the Goals and Objectives identified in Appendix 4 and the priority methodology defined in Appendix 8.



Identification of Mitigation Measures

Mitigation measures implemented in Florida can be grouped into five general categories or approaches: preventive measure, property protection, emergency services, structural projects, natural resource protection and public information.

Preventive Measures

Preventive measures keep problems from getting started or getting worse. The use of known hazard areas, like floodplains, can be limited through growth management strategies, land acquisition or regulation. Building, zoning, planning and code enforcement activities work hand-in-hand to implement public safety and mitigation goals in the most cost-effective manner. Implementation of preventive measures is a local responsibility which involves planning, permitting and development review.

Property Protection

Property protection refers to the actions which retrofit or relocate vulnerable properties including property acquisition, elevation of structures, hardening of structures (shutters), safe rooms or flood proofing. Many of the measures listed are property protection strategies.

Structural Projects

Structural projects are typically engineering projects designed to reduce or redirect the impact of natural disaster (especially floods) away from at-risk population areas. Examples include reservoirs, levees, seawalls, channel modification, storm water management facilities and drainage system maintenance. Stormwater management is a major task in urbanized areas such as Pinellas County and represents a significant part of local government budgets.

Natural Resource Protection

Natural resource protection preserves or restores natural areas or their natural functions. Park and recreation departments, conservation agencies or wildlife groups usually implement such measures including wetland protection, riverine protection, erosion and sediment control, and beach re-nourishment projects.

Public Information Programs

Public information programs involve conveying risk to property owners and potential property owners and an awareness of mitigation actions they should take. Examples of these activities include flood maps and data, library resources, outreach projects, technical assistance, real estate

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disclosure information and environmental education projects. Existing ongoing public outreach projects are addressed in Appendix 7.

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Table 9-1: Mitigation Initiatives (as amended May 1, 2017)

Total Score	Jurisdiction/ Organization	Project Name	Description/ Natural Hazard Addressed Key: 1=Flooding; 2=Storm Wind; 3=Erosion; 4=All Hazard	Est. Cost	Timeframe / Status	Possible Funding Sources (see App 11 for key to acronyms)	Date Last Reviewed/ Updated	Review/Update Comments	Reviewer
1025	Baycare, Inc. / St. Petersburg	Hospital EOC	Construct new EOC. Estimated completion time: more than 12 months. / 4	\$1,100,000	Currently Unfunded	EMPATF, HMGP; PDM Program			
1150	Bayfront Medical Center / St. Petersburg	Harden Window Openings - Building A	Harden the exterior of Building A and install new hurricane-rated windows. Estimated completion time: more than 12 months. / 2	\$1,217,370	Currently Unfunded	EMPATF, HMGP; PDM Program			
1150	Bayfront Medical Center / St. Petersburg	Harden Window and Roof - Building C Center	Harden the exterior including hurricane-rated windows and roofing system to protect against high wind velocity events. Estimated completion time: more than 12 months. / 2	\$2,789,889	Currently Unfunded	EMPATF, HMGP; PDM Program			
1150	Bayfront Medical Center / St. Petersburg	Harden Window and Roof - Building C South	Harden the exterior including hurricane-rated windows and roofing system to protect against high wind velocity events. Estimated completion time: more than 12 months. / 2	\$4,575,295	Currently Unfunded	EMPATF, HMGP; PDM Program			
1150	Bayfront Medical Center / St. Petersburg	Harden Window and Roof - Building C North	Harden the exterior including hurricane-rated windows and roofing system to protect against high wind velocity events. Estimated completion time: more than 12 months. / 2	\$4,646,281	Currently Unfunded	EMPATF, HMGP; PDM Program			
1090	Bayfront Medical Center / St. Petersburg	Harden Cancer Care Center	Harden the exterior including the roof, windows and walls to ensure continuity of operations. Estimated completion time: more than 12 months. / 2	\$430,003	Currently Unfunded	EMPATF, HMGP; PDM Program			
1070	Bayfront Medical Center / St. Petersburg	Harden West Lobby	Harden the roof and curtainwall window assembly to protect against high wind velocity events. Estimated completion time: more than 12 months. / 2	\$1,250,200	Currently Unfunded	EMPATF, HMGP; PDM Program			
1000	Bayfront Medical Center / St. Petersburg	Harden Mechanical Room & Medical Gas Enclosure - Building B/C	The Mechanical Room and a fenced lean to will be hardened. Estimated completion time: more than 12 months. / 2	\$1,000,000	Currently Unfunded	Emergency Management, Preparedness and Assistance Trust Fund, HMGP; PDM Program			
995	Bayfront Medical Center / St. Petersburg	Building C Boiler / Chiller Plant Hardening & Rooftop Equipment Mitigation	The hospital's boiler & chiller plant needs hardening for severe weather mitigation. Estimated completion time; More than 12 months. / 2	\$1,000,000	Currently Unfunded	Emergency Management, Preparedness and Assistance Trust Fund, HMGP; PDM Program			
995	Bayfront Medical Center / St. Petersburg	Tank Farm Enclosure	On the South side of Building C, the Oxygen Tank Farm will be hardened. Estimated completion time; more than 12 months. / 2	\$1,000,000	Currently Unfunded	Emergency Management, Preparedness and Assistance Trust Fund, HMGP; PDM Program			
995	Bayfront Medical Center / St. Petersburg	Life Services Building Window, Door & Wall Hardening	The Life Services Building needs windows, doors and walls hardened for protection against high wind velocity and severe weather events. Estimated completion time; more than 12 months. / 2	\$1,000,000	Currently Unfunded	Emergency Management, Preparedness and Assistance Trust Fund, HMGP; PDM Program			

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990	Bayfront Medical Center / St. Petersburg	Child Development Center Wind, Door & Roof Hardening	Harden windows, doors and roof for hurricane and severe weather mitigation. Estimated completion time: more than 12 months. / 2	\$1,000,000	Currently Unfunded	Emergency Management, Preparedness and Assistance Trust Fund, HMGP; PDM Program			
980	Bayfront Medical Center / St. Petersburg	Family Health Center Structural Hardening	Harden walls and roof to mitigate high wind velocity. Estimated time of completion: 12 months. / 2	\$1,000,000	Currently Unfunded	Emergency Management, Preparedness and Assistance Trust Fund, HMGP; PDM Program			
980	Bayfront Medical Center / St. Petersburg	Haden Exterior - Building C East - Area 4	Harden the exterior of Building C East - including hurricane-rated windows, walls, doors and roofing system to protect against high wind velocity events. / 2	\$3,070,827	Currently Unfunded	Emergency Management, Preparedness and Assistance Trust Fund, HMGP; PDM Program			
1270	Belleair / Support Services	Generator Installation Town Hall/Police Department	1, 2	138,476.00	6 months	HMGP Hurricane Hermine	4/24/17		Greg Lauda
980	Belleair / Support Services	Town Hall Storm Mitigation	Mitigate town hall (901 Ponce de Leon Blvd.). Estimated completion time: more than 12 months. / 2	\$40,000	Currently Unfunded	EMPATF, HMGP; PDM Program			
925	Belleair Beach / Public Works	Traffic Light Mitigation	Replace traffic control light at the corner of Causeway Blvd and Gulf Blvd with a mast arm. Estimated completion time: / 4	\$447,000	Currently Unfunded funded through Gulf Blvd. Beautification Project	EMPATF, HMGP; PDM Program Penny for Pinellas	8/16/2016		Nancy Gonzalez
910	Belleair Beach / Public Works	Stormwater Management	Stormwater repairs, improvements, and replacing curb work. Replace valley curbs Estimated completion time: more than 12 months. / 1	\$55,000	Currently Underway	Local Funds and SWFWMD Cooperative Funding Grant	8/16/2016		Nancy Gonzalez
910	Belleair Beach / Public Works	Master Drainage Plan	Addresses issues with street flooding, drainage hydraulics problems, water quality and community drainage / 1	\$50,000	Currently Underway	Local Funds	8/16/2016		Nancy Gonzalez
970	Belleair Bluffs	City Hall Storm Shutters	Install commercial roll-down storm shutters to protect city hall and the fire department. Estimated completion time: more than 12 months. / 1	\$45,000	Currently Unfunded	EMPATF, HMGP; PDM Program			
960	Clearwater / General Services	Install Communications at Fire Training 48	Install radio tower at the new fire training building, install wireless comms, and install backup radio communications. Estimated completion time: more than 12 months. / 4	\$200,000	Currently unfunded	EMPATF, HMGP; PDM Program	10/4/2016		Sarah Kessler
850	Clearwater / General Services	Hardened Countryside Recreation Center	Harden windows and doors, increase roof attachments and install emergency generator. Estimated completion time: more than 12 months. / 2	\$300,000	Currently unfunded	EMPATF, HMGP; PDM Program	10/4/2016		Sarah Kessler
900	Clearwater / Public Utilities	Purchase trailer mounted antenna	Purchase antenna for citywide telemetry system for monitoring lift stations, water and wastewater plants. Estimated completion time: less than 12 months. / 1	\$75,000	Currently unfunded	EMPATF, HMGP; PDM Program	10/4/2016		Sarah Kessler

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900	Clearwater / Public Utilities	Northeast Water Pollution Control Plant generators	Procure seven backup generators to maintain the generator reliability. Estimated completion time: less than 12 months. / 4	\$950,000	Currently unfunded	EMPATF, HMGP; PDM Program	10/4/2016		Sarah Kessler
850	Clearwater/ Marine & Aviation	Airpark Hanger	Replace airplane hangar. Added 2016 /2	\$700,000	Unfunded	EMPATF, HMGP; PDM Program	12/16/2016		Sarah Kessler
1150	Clearwater/ Fire & Rescue	Fire Station 46 - Mandalay	Construction of a new fire station to meet current building standards. Added 2016 /4	\$4,305,560	Unfunded	EMPATF, HMGP; PDM Program	12/16/2016		Sarah Kessler
1150	Clearwater/ Fire & Rescue	Fire Station 47	Construction of a new fire station in an alternate location. Added 2016 /4	\$200,000	Unfunded	EMPATF, HMGP; PDM Program	12/16/2016		Sarah Kessler
1210	Clearwater/ Gas	Gas Complex	Construction of a new Clearwater Gas building built to Category 5 building standard. Added 2016 /4	\$13,000,000	Unfunded	EMPATF, HMGP; PDM Program	12/16/2016		Sarah Kessler
710	Clearwater/ Public Utilities	Groundwater Replenishment	Construction of a new hardened facility. Added 2016 /2	\$500,000	Unfunded	EMPATF, HMGP; PDM Program	12/16/2016		Sarah Kessler
900	Clearwater/ Engineering	Intermodal Facility	Construction of a new terminal in downtown. Added 2016 /2	\$2,425,000	Unfunded	EMPATF, HMGP; PDM Program	12/16/2016		Sarah Kessler
830	Clearwater/ Marine & Aviation	Stormwater Management	Construct a stormwater management system at the Marina Added 2016 /1	\$7,000,000	Unfunded	EMPATF, HMGP; PDM Program	12/16/2016		Sarah Kessler
800	Clearwater/ Marine & Aviation	Marina Walkway	Repair walkway at Marina and protect utilities located under the surface. Added 2016 /1	\$1,450,000	Unfunded	EMPATF, HMGP; PDM Program	12/16/2016		Sarah Kessler
1190	Clearwater/ Police	District 3 Headquarters	Rebuild Police Station to be resilient and address site flooding Added 2016 /4	\$3,505,000	Unfunded	EMPATF, HMGP; PDM Program	12/16/2016		Sarah Kessler

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1070	Clearwater/ Engineering	Public Works Complex – Phase 2 Public Utilities and Stormwater Warehouse Facility	New warehouse facility will be built to Category 5 standards. Added 2016 /4	\$4,248,134	Unfunded	EMPATF, HMGP; PDM Program	12/16/2016		Sarah Kessler
1080	Clearwater/ Engineering	Public Works Complex – Phase 3 Administration Building with IT Server	New administration building and secure storage of IT servers will be built to Category 5 standards. Added 2016 /4	\$10,191,909	Unfunded	EMPATF, HMGP; PDM Program	12/16/2016		Sarah Kessler
960	Clearwater/ Engineering	Public Works Complex – Phase 4 Meter Shop/ Utilities Mechanical Shop/ Survey Office	New facility for meter shop, utilities mechanical shop, and survey office will be built to Category 5 standards. Added 2016 /4	\$1,449,586	Unfunded	EMPATF, HMGP; PDM Program	12/16/2016		Sarah Kessler
1150	Clearwater/ Engineering	Public Works Complex – Phase 5 Traffic Operations Facility	New facility for traffic operations will be built to Category 5 standards. Added 2016 /4	\$2,626,580	Unfunded	EMPATF, HMGP; PDM Program	12/16/2016		Sarah Kessler
900	Clearwater/ Engineering	Public Works Complex – Phase 6 Urban Forestry/ Parks & Beautification and Infrastructure	New facility for urban forestry and P&B will be built to Category 5 standards. Added 2016 /4	\$3,902,806	Unfunded	EMPATF, HMGP; PDM Program	12/16/2016		Sarah Kessler
970	Clearwater/ Public Utilities	Water Treatment Plant #3	The expansion of the water treatment plant will make is possible for the City to produce 100% of the necessary water supply for residents. Added 2016 /4	\$13,400,000	Unfunded	EMPATF, HMGP; PDM Program	12/16/2016		Sarah Kessler
1010	Clearwater/ Engineering	Acquisition of Repetitive Loss Properties	Several repetitive loss properties have been identified for acquisition Added 2016 /1	\$16,000,000	Unfunded	EMPATF, HMGP; PDM Program	12/16/2016		Sarah Kessler
1030	Clearwater/ Engineering	Sunshine Towers Stormwater Pipe Realignment	The realignment of the stormwater pipe under the Sunshine Towers will alleviate flooding from the collapsed pipes under the building. Added 2016 /1	\$588,000	Unfunded	EMPATF, HMGP; PDM Program	12/16/2016		Sarah Kessler
970	Dunedin / Public Works	City Hall Shutters	Install hurricane shutters on City Hall (542 Main Street). Estimated completion time: less than 12 months. / 2	\$7,000	Currently Unfunded	EMPATF, HMGP; PDM Program			

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970	Dunedin / Public Works	Lift Station Elevation & Retrofit	Harden & upgrade 12 lift stations for waste water. Estimated completion time: more than 12 months. / 1	\$300,000	Currently Unfunded	EMPATF, HMGP; PDM Program			
920	Dunedin / Public Works	Library Retrofit	Install hurricane shutters on Library Facility (223 Douglas). Estimated completion time: more than 12 months. / 2	\$95,000	Currently funded with HMGP	EMPATF, HMGP; PDM Program			
970	Eckerd College / St. Petersburg	Building Flood/Wind Retrofit	Retrofit priority support building to address vulnerabilities to high winds and/or flooding based on engineering evaluation. Estimated completion time: more than 12 months. / 1, 2	\$50,000	Currently Unfunded	EMPATF, HMGP; PDM Program	10/24/2016		Lisa Mets
940	Eckerd College / St. Petersburg	Building Flood/Wind Retrofit	Retrofit academic building to address vulnerabilities to high winds and/or flooding based on engineering evaluation. Estimated completion time: more than 12 months. / 1, 2	\$250,000	Currently Unfunded	EMPATF, HMGP; PDM Program	10/24/2016		Lisa Mets
1155	Gulfport	Hardening of Critical Facilities	Install window protection devices and storm-resistant exterior doors in the City's lift stations. Estimated completion time; less than 12 months. / 2	\$7,000	Currently Unfunded	EMPATF, HMGP; PDM Program; Municipal Funding			
1130	Gulfport	Fire Station/ EOC Generator	Replace aging generator for the Fire Station/EOC. Estimated completion time: less than 12 months. / 4	\$50,000	Currently Unfunded	EMPATF			
1090	Gulfport	Stormwater Project	Enlarge drainage pipes and construct retention ponds citywide to reduce street and yard flooding to improve drainage in low lying areas of the City. Estimated completion time: more than 12 months. / 1	\$500,000	Currently Unfunded	Capitalization Grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants			
1035	Gulfport	Flood Mitigation in Waterfront Redevelopment District	Construct storm doors for commercial businesses within the 100-year floodplain of the Waterfront Redevelopment District. Estimated completion time: more than 12 months. / 1	\$60,000	Currently Unfunded	EMPATF, HMGP; PDM Program			
1030	Gulfport	Land Acquisition	Public purchase of properties that are flood prone or at high risk/exposure to being flooded or experience wave action/erosion. Estimated completion time: more than 12 months. / 1	\$500,000	Currently Unfunded	EMPATF, HMGP; PDM Program			
1015	Gulfport	Municipal EOC	Build a new City EOC, 1617 - 49th Street South. Estimated completion time: more than 12 months. / 4	\$3,500,000	Currently Unfunded	HMGP; PDM Program			
995	Gulfport	Thermal Imaging Camera	Purchase thermal imaging camera for post-storm search and rescue and hazard abatement. Estimated completion time: less than 12 months. / 4	\$20,000	Currently Unfunded	EMPATF			
1050	Indian Rocks Beach / Building Dept.	Flood Mitigation Buyout	Provide a grant of up to \$15,000 per structure for the removal of noncompliant pre-FIRM structures. / 1	\$150,000	Currently Unfunded	FMAP; HMGP; PDM Program	9/26/2016		Dean Scharmen
1250	Indian Rocks Beach / Public Services	Stormwater Drainage	Reconstruction of small basin stormwater collection and discharge facilities as required by NPDES. All city facilities should be updated by 2017, the end of a 15 year effort and thereby in compliance with NPDES regulations. /4	\$550,000	18 to 24 months/ Currently Unfunded	City of Indian Rocks Beach Capital Improvement Plan; Capitalization Grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants; Penny for Pinellas; SWFWMD	9/26/2016		Dean Scharmen

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870	Indian Rocks Beach / Public Services	Gulf Blvd Utility Undergrounding	To make aesthetic and safety improvements to Gulf Blvd, including the undergrounding of the Gulf Blvd overhead utilities and to elevate transformers and other equipment above the base flood elevation. Phase 1 of the project, about \$4 million in cost would start at the southern boundary of the City (Whitehurst) and continue north through the Gulf Blvd/Walsingham Rd intersection to at least 6th Ave. Project construction design is scheduled for 2016, undergrounding construction in 2017 and surface restoration in 2018. /4	4,000,000	12 to 36 months	CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants; PDM Program; EMPATF, <u>Penny for Pinellas: City of Indian Rocks Beach Capital Improvement Plan</u>	9/26/2016		Dean Scharmen
860	Indian Rocks Beach / Public Services	Road Milling, Resurfacing and curbing	Road deterioration causes safety hazards and negatively impacts the attractiveness of the neighborhood. This project includes continuation of street milling, resurfacing, and curb replacement and includes updating the drainage system in the areas resurfaced. This project also includes concrete curb and gutter replacement and asphalt milling and resurfacing at selected locations in Fiscal Years 2016 and 2018. / <u>3-2017 through 2021 / 3</u>	\$2,580,000	Currently Unfunded	Special Revenue Fund – Penny for Pinellas; City of Indian Rocks Beach Capital Improvement Plan; Capitalization Grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants	9/26/2016		Dean Scharmen
1030	Indian Shores / Town Administrator	Critical Facility Rebuild	Build new town hall, police department and annex buildings. Estimated completion time: more than 12 months. / 2	\$3,500,000	Currently Unfunded	FMAP; HMGP; PDM Program			
915	Indian Shores / Town Administrator	Seawall Erosion Control	Reconstruct seawall with tiebacks at Intra Coastal Waterway and Town Street. Estimated completion time: more than 12 months. / 3	\$160,000	Currently Unfunded	Capitalization Grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants			
865	Indian Shores / Town Administrator	Detention Pond	Create a detention pond and storm water drainage system in the community redevelopment area. Estimated completion time: more than 12 months. / 1	\$100,000	Currently Unfunded	Capitalization Grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants			
910	Kenneth City	Stormwater Management	Repair, rework, and replace components in the Kenneth City storm drain system. Estimated completion time: more than 12 months. / 1	\$300,000	Currently Unfunded	Capitalization Grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants			
910	Kenneth City	Stormwater Management	Repair, rework, and replace components in the Kenneth City storm drain system. Estimated completion time: more than 12 months. / 1	\$500,000	Currently Unfunded	Capitalization Grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants			
1240	Largo	Fire Station Renovation Program	The City of Largo operates six fire stations, 38, 39, 40, 41, 42 and 43. The stations are in need of significant repair, maintenance, and upgrade in order to remain operational. An outside consultant completed a needs analysis in 2015 to determine the following: space needs analysis, analysis of all current and immediate repair and maintenance needs and costs, and estimates on the remaining useful life of the buildings. The 2015 Needs	\$557,000	FY 17-FY 21	General (Local Fund)	12/22/16		Matthew DiFiore

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			Assessment indicated extensive repairs and upgrades for Largo Fire Rescue stations, including updating the Bay Doors, interior renovations, and exhaust removal. /4						
1150	Largo	Fire Station 38 Reconstruction	This is the youngest of the three proposed stations however still has many of the same issues. The roof and HVAC systems will need replacing, the building will need to be brought up to ADA and NFPA standards and living quarters will need redesign and reconfiguration. This building has gone through many changes due to personnel additions and changes over the last ten years. The current building is 6,500 square feet and was constructed in 1986. /4	\$4,500,000	N/A	Unfunded	12/22/16		Matthew DiFiore
1150	Largo	Fire Station 39 Reconstruction	This building has exceeded its useful life and currently is in need of a roof replacement and internal renovations. The building has no separated living quarters and has inadequate storage space for the needs of the department. This project is intended to work in coordination with the county project to rebuild Rainbow Village. The current building is 5,300 square feet and was constructed in 1979./4	\$4,500,000	N/A	Unfunded	12/22/16		Matthew DiFiore
1150	Largo	Fire Station 42 Reconstruction	On top of issues regarding access and the age of the facility, the building has had multiple roof replacements, renovations, and updates throughout its life. It is recommended that a new building be built with better access for apparatus and better separation of living quarters for firefighters. The current building is 5,300 square feet and was constructed in 1978. /4	\$4,500,000	N/A	Unfunded	12/22/16		Matthew DiFiore
990	Largo	WWRF - Biosolids Building Hardening	The Biosolids building is a large industrial, pre-engineered metal building. It houses most of the operating components used to convert wastewater solid into a Class AA Biosolid product, used for fertilization. Due to the essential nature of the facility and the potential for the facility to sustain significant damage during a hurricane, a study was conducted to evaluate the structural performance of the building under the effects of a Category 3 hurricane. Based on the results of the contracted study, scope for this project includes either 1) structural modifications to the existing building, including roofing work, wall work, all structural bracing and stiffening, replacement of doors, windows, louvers (framed openings), and fans, and painting or 2) replacement of the entire building. /1, 2	\$1,600,000	FY 18 -FY19	Wastewater (Local Fund)	12/22/16		Matthew DiFiore
1190	Largo	WWRF - Operations Center Reconstruction	The existing WWRF control building and laboratory, both of which are approximately 40 years of age, are not hurricane hardened. As these structures are essential to treatment plant operations, the Department would like to construct a new facility so that staff could continue to operate the plant after a storm event. This would entail design and construction of a new two-story building overlooking the process trains, which would be hurricane hardened for safe quartering during a storm. It would contain the main control room for SCADA workstations, a server room, a full laboratory for permit required lab analysis, storage for chemicals & supplies, a bunker/lounge area, a records room, and a variety of other needs to be determined during the design process. /1, 2	\$4,570,000	FY 18-FY19	Wastewater (Local Fund)	12/22/16		Matthew DiFiore
970	Largo	City Hall Reconstruction	The City Hall facility has a number of issues. First, it is not rated for hurricane winds and is in a flood plain. It has electrical and plumbing systems that are original to the building and are repeatedly needing repair. The HVAC system needs to be redesigned as it is not efficient and does not service employees there appropriately. The building is not hardened and has significant space utilization issues. This estimate would construct a new building with the same square footage of the current City Hall and does not include land acquisition or design costs at this time. Policy direction is needed to determine the needs for inside a new City Hall building. The current building is 57,740 square feet and was constructed in 1973. /1, 2	\$18,000,000	N/A	Unfunded	12/22/16		Matthew DiFiore
1000	Largo	Public Works Complex Reconstruction	Due to the complex being built on a former closed landfill, the soil underneath the complex is giving way to considerable damage to both the pavement used around the building and the buildings themselves. The Administration building is showing settling in both the facilities workshop and the fleet central stores area and while currently not a structure issue, may be in the near future. The building does not currently meet some	\$20,000,000	N/A	Unfunded	12/22/16		Matthew DiFiore

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			ADA requirements for facilities of this nature and size and the building has had multiple issues with water intrusion over the past ten years. It is in the intention that through this project Public Works administrative and management functions can be reviewed, centralized, and coordinated more efficiently. This project scope and cost is based upon engineering estimates and a space needs analysis done in 2013. Costs include the environmental remediation, the moving of the fuel island, the consolidation of the divisions into one building, and associated vehicle storage areas. Total square footage of existing buildings is 44,528, Public Works Administration and Fleet building was constructed in 1976 and the Solid Waste facility was constructed in 1990. /3						
1010	Largo	Stormwater Program Update	The City of Largo's Stormwater Program is faced with many challenges due to the age and condition of the City's stormwater infrastructure, status of compliance with stormwater regulations, and constrained Stormwater Program resources. This project is to develop a citywide comprehensive stormwater asset management plan (Plan). The Plan would provide the City with a framework for achieving sustainable stormwater management, operations, maintenance, and capital improvement programs. The goal is to develop a stormwater program that meets regulatory requirements for water quality and flood protection, achieves community and stakeholders expected level of service, is operationally attainable, and is financially and politically feasible to implement. Phase 1 of the initiative started in FY 2015 and includes development of a stormwater asset inventory (hard and natural assets), condition assessment and state of the system report. Phase 2 of the initiative, starting in FY 2016, would include analysis of management resources and systems (soft assets), level of service evaluation, funding and rate analysis, and stakeholder and public outreach. /1	\$250,000	FY 17	Stormwater (Local Fund)	12/22/16		Matthew DiFiore
1210	Largo	Regional Watershed Management Planning	The Regional Watershed Management Planning project was initiated in the FY2012-2016 CIP and identified the need for the development of a City-wide Watershed Management Plan for the various drainage basins (Starkey, Longbranch, Allen's Creek, McKay Creek) and sub-basins located in the City of Largo. This project included joint funding and participation with the South West Florida Water Management District, Pinellas County, City of Clearwater and other entities that share jurisdiction within the watersheds. The watershed management plans for McKay Creek, Allen's Creek, Long Branch Creek, Starkey Road Basin, and the Clearwater-Largo Road Drainage District Study were completed by FY14. The purpose of this project is to begin planning and designing stormwater system improvements based on the Best Management Practices (BMPs) identified in the Watershed Plans to address flooding, water quality, infrastructure rehabilitation, and meet regulatory requirements. This project will contribute to compliance with the City's National Pollutant Discharge Elimination System (NPDES) stormwater permit and pending Total Maximum Daily Loads (TMDL's) regulations which are administered by the Florida Department of Environmental Protection. /1	\$14,800,000	N/A	Unfunded	12/22/16		Matthew DiFiore
1090	Largo	WWRF Master Plan Improvements - Biological Treatment Systems	The City's Wastewater Reclamation Facility (WWRF) Master Plan encompasses a number of major wastewater infrastructure improvement projects intended to provide protection from sanitary sewer overflows, accommodate population growth, comply with effluent limitations, and replace deteriorated and antiquated infrastructure. /1	\$21,300,00	FY 18	Wastewater (Local Fund)	12/22/16		Matthew DiFiore
1060	Lealman SFCD / Emergency Management	Fire Station #18 EOC Hardening	Harden by installing roll down shutters, 5 double doors, 3 single doors and 16 windows. Estimated completion time: more than 12 months. / 2	\$36,500	Currently Unfunded				
980	Lealman SFCD / Emergency Management	Fire Station #19 Secondary EOC Hardening	Harden by adding roll down shutters, 4 single doors and 5 windows. Estimated completion time: more than 12 months. / 2	\$12,700	Currently Unfunded				

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860	Lealman SFCD / Emergency Management	Fleet Building Hardening	Harden with roll down shutters, 2 single doors and 1 window. Estimated completion time: less than 12 months. / 2	\$3,900	Currently unfunded				
840	Lealman SFCD / Emergency Management	Fleet Building Emergency Power	Evaluate and install quick connect and power transfer switch. Estimated completion time: less than 12 months. / 4	\$35,000	Currently Unfunded	EMPATF, HMGP; PDM Program			
1010	Madeira Beach	850 Bay Point Dr.	Mitigation of SRL Property 850 Bay Point Drive	\$200,000	Unfunded	HMGP & Private	10/5/2016		Michelle Orton
	Madeira Beach	13001 Boca Avenue	Mitigation of SRL Property 13001 Boca Avenue	\$200,000	Unfunded	HMGP & Private	10/5/2016		Michelle Orton
	Madeira Beach	847 Bay Point	Mitigation of SRL Property 847 Bay Point	\$200,000	Unfunded	HMGP & Private	10/5/2016		Michelle Orton
	Madeira Beach	14196 W Parsley	Mitigation of SRL Property 14196 W Parsley	\$200,000	Unfunded	HMGP & Private	10/5/2016		Michelle Orton
	Madeira Beach	911 Bay Point	Mitigation of SRL Property 911 Bay Point	\$200,000	Unfunded	HMGP & Private	10/5/2016		Michelle Orton
	Madeira Beach	577 Crystal Drive	Mitigation of SRL Property 577 Crystal Drive	\$200,000	Unfunded	HMGP & Private	10/5/2016		Michelle Orton
	Madeira Beach	Drainage Basin A - As depicted in the Stormwater Master Plan	Stormwater system upgrades to address flooding and tide control devices	\$2,142,000	Unfunded	EMPATF; HMGP; PDM Program	10/5/2016		Michelle Orton
	Madeira Beach	Drainage Basin B - As depicted in the Stormwater Master Plan	Stormwater system upgrades to address flooding and tide control devices	\$3,166,000	Unfunded	EMPATF; HMGP; PDM Program	10/5/2016		Michelle Orton
	Madeira Beach	Drainage Basin C - As depicted in the Stormwater Master Plan	Stormwater system upgrades to address flooding and tide control devices	\$8,100,000	Unfunded	EMPATF; HMGP; PDM Program	10/5/2016		Michelle Orton
	Madeira Beach	Drainage Basin D - As depicted in the Stormwater Master Plan	Stormwater system upgrades to address flooding and tide control devices	\$4,360,000	Unfunded	EMPATF; HMGP; PDM Program	10/5/2016		Michelle Orton
	Madeira Beach	Drainage Basin E- As depicted in the Stormwater Master Plan	Stormwater system upgrades to address flooding and tide control devices	\$3,500,000	Unfunded	EMPATF; HMGP; PDM Program	10/5/2016		Michelle Orton
	Madeira Beach	Drainage Basin F - as depicted in the	Stormwater system upgrades to address flooding and tide control devices	\$2,200,000	Unfunded	EMPATF; HMGP; PDM Program	10/5/2016		Michelle Orton

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		Stormwater Master Plan							
	Madeira Beach	Underground Utilities	Underground utilities – East and West side streets	\$3,000,000	Unfunded	Local	10/5/2016		Michelle Orton
890	Morton Plant Hospital / Clearwater	Hospital Retrofit	Replace windows at Morton Plant Hospital's Adler/ Women's Center Estimated completion time: more than 12 months. / 2	\$680,000	Currently Unfunded	EMPATF, HMGP; PDM Program			
890	Morton Plant Hospital / Clearwater	Hospital Retrofit	Replace the lower roof of Witt South building at Morton Plant Hospital. Estimated completion time: more than 12 months. / 2	\$400,000	Currently Unfunded	FMAP; HMGP; PDM Program			
840	North Redington Beach / Public Works	Stormwater Management #1	Install storm water sewer valve to prevent storm water/tidal backup into the streets. Estimated completion time: less than 12 months. / 1	\$25,000	Currently Unfunded	FMAP; HMGP; PDM Program			
830	North Redington Beach / Public Works	Stormwater Management #2	Implement retrofit of the remaining 14 storm water valves. Estimated completion time: more than 12 months. / 1	\$210,000	Currently Unfunded	EMPATF, HMGP; PDM Program			
810	North Redington Beach / Public Works	Underground Utilities	Place underground utilities along Gulf Boulevard (NRB). Estimated completion time: more than 12 months. / 2	\$7,000,000	Currently Unfunded	EMPATF; HMGP; PDM Program			
950	Oldsmar / City Clerk; IT	COOP Document Imaging	Document management program utilizing scanning and digitization of vital records for off-site storage and retrieval. / 4	\$75,000	Currently Unfunded	EMPATF; HMGP; PDM Program	10/31/2016		Steven Everitt
880	Oldsmar / Planning and Redevelopment; Communications	Public Education and Information	Provide education and information to property and business owners about storm damage and ways to properly protect structures. Estimated completion time: more than 12 months. / 4	\$25,000	Currently Unfunded	EMPATF; HMGP; PDM Program	10/31/2016		Steven Everitt
940	Oldsmar / Public Works; Engineering	Storm Water Management Plan	Prepare a citywide drainage plan to minimize flooding throughout the City. Estimated completion time: more than 12 months. / 1	\$100,000	Currently Unfunded	FMAP; HMGP; PDM Program	10/31/2016	In-progress	Steven Everitt
995	Oldsmar / Public Works; Facilities	Harden/Retrofit City Hall	Replace windows at city hall. Estimated completion time: less than 12 months. / 2	\$150,000	Currently Unfunded	FMAP; HMGP; PDMP	10/31/2016		Steven Everitt
970	Oldsmar / Public Works; Facilities	Critical Facility Generator Retrofit	Replace electrical generating equipment at Water Reclamation Facility. Estimated completion time: less than 12 months. / 4	\$1,200,000	Currently Unfunded	State Revolving Funds, CDBGs; FMAP; HMGP; HMGP Planning	10/31/2016		Steven Everitt
995	Oldsmar / Public Works; Storm Water	Mitigation/ Response/ Recovery Equipment	Purchase vacuum excavation system for the maintenance and recovery of all storm water inlets and structures. Estimated completion time: less than 12 months. / 1	\$50,000	Currently Unfunded	EMPATF; HMGP; PDM Program	10/31/2016		Steven Everitt
950	Oldsmar / Public Works; TECO	Bury Utilities Underground	Bury the overhead electric, telephone and cable TV utility lines in the Community Redevelopment District. Estimated completion time: more than 12 months. / 2	\$2,000,000	Currently Unfunded		10/31/2016		Steven Everitt

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1160	Oldsmar / Public Works; Water Reclamation	Flood Proofing and Hardening of Sanitary Sewer Lift Stations	Storm proof and retrofit eight existing sanitary sewer lift stations within the flood plain. Estimated completion time: more than 12 months. / 1, 2	\$400,000	Currently Unfunded	EMPATF; HMGP; PDM Program	10/31/2016		Steven Everitt
930	PARC	Disabilities Registration	Provide computerized pre-registration for individuals with severe developmental disabilities. Estimated completion time: less than 12 months. / 4	\$25,000	Currently Unfunded				
920	PARC / St. Petersburg	Special Needs Shelter Retrofit	Harden PARC building to serve as a safe multi-hazard shelter including an emergency operation center. Estimated completion time: more than 12 months. / 2	\$4,000,000	Currently Unfunded				
920	PC Parks & Conservation Resources	Alligator Lake Habitat Restoration (845)	Comprehensive ecosystem restoration project for wetland and upland creation and enhancement and stormwater polishing. /2	\$1,300,000	FY2012 - FY2017	Grant; Local funds; SWFWMD	11/1/2016	Project on schedule in monitoring/maintenance phase	Steve Harper
680	PC Parks & Conservation Resources	Mobbly Bay Habitat Restoration (656)	Comprehensive ecosystem restoration project for wetland and upland creation and enhancement and stormwater polishing. /2	\$1,100,000	FY2012 - FY2017	Grant; Local funds; SWFWMD	11/1/2016	Project on hold due to withdrawal of funding commitment by SWFWMD	Steve Harper
1255	PC Planning and Development Review Services	Sea Level Rise Vulnerability Assessment	Pinellas County Sea Level Rise Vulnerability Assessment and Adaptation Strategies / 3	\$350,000	FY2016 – FY2019	U.S. Treasury	10/27/2016	Grant application approved	Chris Moore
1200	PC Public Safety	County-wide	Replace seven (7) existing radio shelters housing the infrastructure of Pinellas County's 800 MHz Intergovernmental Public Safety Radio System serving over 10,000 responders to meet national standards and practices as defined by the Association of Public Safety Communication Officials (APCO) and local building codes. Shelter structures must be constructed to eliminate the threat of flooding with elevated platforms and drainage, while protecting against hurricane force winds. The hardening of sites is one of the most critical elements in the construction of a reliable communications system to prevent radio communication failure and better serve public safety responders and the public during routine incidents and major disasters. Public safety grade shelters are imperative to ensure the ability of public safety users to communicate at all times.	\$15,130,000	FY16-18	Penny for Pinellas	10/27/2016		
1340	PC Public Works	Joes Creek Watershed Management Plan	Evaluate drainage patterns within Joes Creek watershed; identify flooding locations; develop BMPs to address the issues	\$500,000	FY2014 - FY2016	Surface Water Assessment and SWFWMD Grant	10/27/2016	Plan development in progress	Rahim Harji
1150	PC Public Works	Span Wire Intersection Replacement Program	Replacement of 24 existing span wire intersections with mast arms. Intersections are along major evacuation routes throughout Pinellas County. Approx. \$240k per intersection. Estimated completion time: more than 12 months. / 4	\$5.8 million	Unfunded	Seeking Pre-Disaster Mitigation Program grant funds	11/17/2016		Gina Harvey
1130	PC Public Works	Stormwater Conveyance System Improvement Program (921321)	Replace/reline inadequate or deteriorating stormwater conveyance systems county wide. Estimated completion time: more than 12 months. / 1	\$44,025,000	FY2016 - FY2026 In Progress	Penny for Pinellas	10/27/16	Added additional funding. Projects in progress	David Talhouk/Rahim Harji

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1120	PC Public Works	Cross Bayou Improvements	Improve conveyance through Cross Bayou Canal and reduce duration of flooding. Removed material should be tested to account for pollutant removal. Estimated completion time: more than 12 months	\$6,770,000	FY2014 - FY2019	Penny for Pinellas	10/27/16	Project in progress	David Talhouk/Rahim Harji
1090	PC Public Works	118th Avenue Expressway (1618)	Build east-west evacuation route parallel to Ulmerton Rd. Estimated completion time: more than 12 months. / 4	\$-55,750,000	- FY2016-FY2020	Penny for Pinellas	11/17/2016		Gina Harvey
1020	PC Public Works	Roosevelt Channel 5 improvements	Various BMPs from the 1981 Watershed Master Plans, Removal of salinity barrier. 1, 3. Increase box culvert size; water treatment ponds.	\$4,679,200	FY2015 - FY2019 In Progress	Penny for Pinellas	10/27/16	Increase box culvert size; water treatment ponds. Project in progress	David Talhouk/Rahim Harji
1020	PC Public Works	Pinellas County Stormwater Facilities (Countywide)	1, 3	\$1,170,000	FY2016-2019	Penny for Pinellas	10/27/16	No Change Projects in progress	David Talhouk/Rahim Harji
1020	PC Public Works	McKay Creek Drainage/Hickory	1, 3	\$1,000,000	FY2015-2017	Penny for Pinellas/FDOT	10/27/16	Project in progress	David Talhouk/Rahim Harji
870	PC Public Works	Drainage Pond Compliance Program (1629)	Improve existing ponds for permit compliance. Estimated completion time: more than 12 months. / 1	\$4,509,500	FY2016-FY2026 In Progress	Penny for Pinellas	10/27/16	Revised est. cost and timeframe	David Talhouk/Rahim Harji
870	PC Public Works	Bee Branch Drainage Improvements (922333)	Bank stabilization, erosion control, and drainage structure replacement. Estimated completion time: more than 12 months. / 3	\$2,990,000	FY2012 - FY2018 Phase 2 complete, phase1 in progress	Penny for Pinellas; SWFWMD	10/27/16	Revised est. cost and timeframe Phase 1 in progress. Other phases complete.	David Talhouk/Rahim Harji
860	PC Public Works	Antilles/Oakhurst Drainage Improvements (1820)	Improvements to alleviate street flooding. Estimated completion time: end of 2016. / 1	\$3,160,000	FY2012 - FY 2017 In Progress (Construction 2016)	Penny for Pinellas	10/27/16	Revised est. cost and timeframe Project under construction	David Talhouk/Rahim Harji
860	PC Public Works	Pinellas Trail - 54th Ave. Drainage Improvements (1823)	Alleviate flooding on 54th Ave. N, Pinellas Trail, and 97th Way. Estimated completion time: more than 12 months. / 1	\$1,975,000	FY2015 - FY2018 In Progress	Penny for Pinellas	10/27/16	Revised est. cost. Project in progress	Rahim Harji
1000	PC Public Works	Acquisition of Repetitive Loss Properties	Purchase repetitive loss properties in unincorporated Pinellas County to mitigate losses. Estimated completion time: more than 12 months. / 1	\$36,100,000	Currently Unfunded	HMGP, PDM, FMA	11/28/2016		Lisa Foster
830	PC Public Works	Cross Bayou Channel 2 - Rena Dr. (1821)	Improve Cross Bayou Channel 2 from 66th St. to Pinecrest Subdivision. Estimated completion time: more than 12 months. / 1	\$1,150,000	FY2015-FY2018 In Progress	Penny for Pinellas	10/27/16	Revised est. cost and timeframe Project in progress	David Talhouk/Rahim Harji
1300	Pinellas Park/ Public Works	Generator for Public Works Facility	The Public Works facility is hardened for a Category 3 storm and is the central location for all storm and stormwater equipment and personnel that are activated before, during and after the storm. The generator is necessary to ensure protection from flooding by providing continuity of operations./1	\$ 225,000	FY 2018-2019 Currently unfunded	The funding will be a combination of HGMP grant and local funds.	3/15/17		C.W. Porter

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1150	Pinellas Park /Public Works	Storm Hardening Preparedness Study	Consultant study to evaluate hardening structures for Public Works equipment protection / 4	\$25,000	Currently Unfunded	Infrastructure Sales Tax	10/05/2016		C.W. Porter
890	Pinellas Park / Fire Dept.	Community Emergency Response Team (CERT).	Supply CERT Training to 60 trainees. Estimated completion time: less than 12 months. / 4	\$30,000	Currently Unfunded	EMPATF, HMGP; PDM Program, and local funds (i.e., Penny for Pinellas)	10/05/2016		C.W. Porter
970	Pinellas Park / Public Works	Structure Hardening - Forbes Recreation Center	Harden the recreation center to be used for sheltering and operations during and after a storm event. Estimated completion time: more than 12 months. / 2	\$775,000	Currently Unfunded	EMPATF, HMGP; PDM Program; & local funds	10/05/2016		C.W. Porter
940	Pinellas Park / Public Works	Hardening - Public Works / Technical Services Building	Harden the Public Works/Technical Services Building for sheltering and operations. Estimated completion time: more than 12 months. / 2	\$950,000	Currently Unfunded	HMGP, EMPATF, and local funds (i.e. Penny for Pinellas)	10/05/2016		C.W. Porter
920	Pinellas Park / Public Works	Hardening - Fire Station 35	Harden the station by stiffening the trusses and strapping them to the foundation, replacing garage doors, adding shutters, and replacing the roof. Estimated completion time: more than 12 months. / 2	\$800,000	Currently Unfunded	EMPATF, HMGP; PDM Program	10/05/2016		C.W. Porter
780	Pinellas Park / Public Works	Municipal EOC	Design, engineer, construct and equip an Emergency Operations and Command Center. Estimated completion time: more than 12 months. / 4	\$15,000,000	Currently Unfunded	Funding for the current phase is from local coffers. Funding for implementation could include: Local Funds, SWFWMD Grant, EMPATF, HMGP; PDM Program.	10/05/2016		C.W. Porter
970	Pinellas Park/ Police & Fire Administration	PD & FD Headquarters Consolidation	To develop at one location a facility to house the Police & fire Administrations as well as provide for a central first responders EOC that will also serve as the secondary EOC for the City. The structure will be built to withstand natural threats, allow for a centralized communication facility, and reduce the cost and increase the efficiency of coordination between these entities. Existing facilities exhibit varying degrees of vulnerability to hurricanes and storm surge. The proposed area in which this facility would be located is currently under served and holds great potential for a serious event. /4	\$12,580,000	Currently Unfunded	EMPATF, HMGP; PDM Program; & local funds	10/05/2016		C.W. Porter
1060	Pinellas Park/ Public Works	72nd Ave. Channel Culverting	Install a stormwater culvert at the headwaters of Pinellas Park Water Mgt. District Channel 3A to eliminate localized flooding. Additionally, this improvement would remove a hazard which when over t's banks can totally submerge a car and eliminate the opportunity for people and children to be caught up in moving waters. /1	\$5,500,000	Currently Unfunded	Funding for the current phase is from local coffers. Funding for implementation could include: Local Funds, SWFWMD Grant, EMPATF, HMGP; PDM Program	10/05/2016		C.W. Porter

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1020	Pinellas Park/ Public Works	Fairlawn Subdivision Drainage	Install a stormwater collection and conveyance system in a subdivision originally developed in the County in the 1960s and 70s. This would eliminate issues of localized flooding and dangerous stormwater inlets. /1	\$1,500,000	Currently Unfunded	Funding for the current phase is from local coffers. Funding for implementation could include: Local Funds, SWFWMD Grant, EMPATF, HMGP; PDM Program	10/05/2016		C.W. Porter
980	Pinellas Park/ Public Works	Relocation or Construction of FS 34	Fire Station #34 at its present location cannot effectively service the geographic area which it originally serviced due to unanticipated growth and expansion. It is necessary to either relocate FS 34 or construct another station to serve the western third of the community. /4	\$7,000,000	Currently Unfunded	EMPATF, HMGP; PDM Program; & local funds	10/05/2016		C.W. Porter
945	Pinellas Park/ Public Works	Link 68th Street and Canal Street	Link 68th Street and Canal Street by installing a bridging system and connecting road approaches. This connection will afford secondary access and escape to two areas. The first being the western extension of 102nd Avenue which is the neighborhood of Cross Bayou Elementary School, Hospice of Pinellas Park, an ALF and a MHP. The other area is an industrial subdivision which is currently only accessible from Bryan Dairy Road. This connection will provide a secondary point for fire and emergency vehicle access. /4	\$750,000	Currently Unfunded	Funding for the current phase is from local coffers. Funding for implementation could include: Local Funds, SWFWMD Grant, EMPATF, HMGP; PDM Program	10/05/2016		C.W. Porter
905	Pinellas Park/ Public Works	Primary EOC and Storm Safe Parking Facility	Develop a storm safe multi-level parking garage with the City's Primary EOC atop of the structure. The EOC would be situated above both storm surge and 100 year floodplain hazards and be constructed to be wind resistant. The elevated status would provide for self-sufficiency by utilizing solar and wind energy to supplement the local power company source when power failure occurs. Additionally the structure would be constructed to protect response vehicles of personnel that are housed at the City Shelter next door. The structure would also be able to serve as a support feature for downtown development and support a future rail or BRT stop since the proposed site is near Park Station. /4	\$4,500,000	Currently Unfunded	HMGP, EMPATF, and local funds (i.e. Penny for Pinellas)	10/05/2016		C.W. Porter
835	Pinellas Park/ Public Works	78th Ave. and 78th St. Stormwater Improvements	Install a stormwater system to eliminate localized flooding. /1	\$750,000	Currently Unfunded	Funding for the current phase is from local coffers. Funding for implementation could include: Local Funds, SWFWMD Grant, EMPATF, HMGP; PDM Program	10/05/2016		C.W. Porter
1000	Pinellas Park	Replace Generator at Technical Services Building	Emergency Generator Installation to Maintain Service / 4	\$ 225,000	6 months FY 2017-2018	Infrastructure Sales Tax	10/05/2016		C.W. Porter
1180	Pinellas Park	Boardwalk and Restoration of Wetlands - Performing Arts Center/England Brothers Park	Design work to improve drainage and natural functions of floodplain / 1	\$ 100,000	12 months FY 2017-2018	Local funding	10/05/2016		C.W. Porter

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1270	Pinellas Park	Fire Station 35 Fuel Tank Replacement	Convault Tank Installation for Emergency Generator to Maintain Service / 4	\$ 35,000	6 months FY 2019-2020	Infrastructure Sales Tax	10/05/2016		C.W. Porter
1090	Pinellas Park	98 th Avenue Pond Improvements	Improvement of wet pond to increase drainage capability for several single family subdivisions and a 60 acre park / 1	\$ 200,000	12 months FY 2016-2017	FDEP Grant and Pinellas Park Utility fees	10/05/2016		C.W. Porter
1090	Pinellas Park	Technical Services Pond Improvements	Restoration of a 9,095 s.f. dry pond, to improve environmental conditions (pond now wet) and increase drainage capability of an area serving mobile home parks and industrial uses / 1	\$ 200,000	12 months FY 2016-2017	FDEP Grant and Pinellas Park Utility fees	10/05/2016		C.W. Porter
1050	Pinellas Park	England Brothers Park Drainage and Water Quality Improvements	Improvements to increase drainage capability and water quality for a 42.5 acre drainage area that flows through Channel One into Cross Bayou / 1	\$ 768, 125	18 months	SWFWMD Grant and Pinellas Park Utility fees	10/05/2016		C.W. Porter
1020	Pinellas Park	90 th Avenue Drainage Improvements	Design and construct drainage features and sidewalks on 90 th Avenue to provide better drainage to Jan Cory Subdivision / 1	\$ 260,000	12 months	Infrastructure Sales Tax and Pinellas Park Utility fees	10/05/2016		C.W. Porter
1110	Redington Shores / Emergency Management	Impact Windows for Town Hall EOC (Critical Facility)	Town Hall /EOC updates to existing for expedited response to emergency by reducing labor commitment and with revised Wind & Impact loads per current codes, located at 17425 Gulf Blvd. Estimated completion time: less than 12 months.	\$15,000	Town Funded	EMPATF, HMGP; PDM Program	8/30/2016		Steve Andrews
1050	Redington Shores / Emergency Management	Flood proofing, Tie -Down or Re-elevation of Town Hall EOC (Critical Facility)	Town Hall /EOC updates to existing for Coastal High Hazard AE zone located at 17425 Gulf Blvd. Estimated completion time: more than 24 months.	\$2,150,000	Currently Unfunded	EMPATF, HMGP; PDM Program	8/30/2016		Steve Andrews
880	Redington Shores / Emergency Management	TV-Media Upgrades	CATV broadcasting equipment emergency replacement for public education & awareness to provide up to date info re: Evacuation & shelters, flood mitigation programs & projects prior to emergencies. Estimated completion time: less than 12 months. / 1	\$35,000	Town Funded	Town annual budget for EM.	8/30/2016		Steve Andrews
870	Redington Shores / Preservation / Parks area	Create a Beach (Erosion) Management plan.	Provide for plans and specifications to expand existing Dune System and Walkover use. Estimated completion time: more than 12 months. / 2	\$150,000	Currently Unfunded	CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants; HMGP Planning	8/30/2016		Steve Andrews
1240	Redington Shores / Flood Stormwater Planning	Create a Revised CRS program for the Town	Consultant to review/recommend program upgrades to flood management planning / 1 / 2	\$8,000	Town Funded	Local	8/30/2016		Steve Andrews
850	Redington Shores / Public Works	Stormwater Management	Rebuild stormwater drainage system in the last three (3) phases. Two phases were completed early 2006. Estimated completion time: more than 12 months. / 1	\$3,100,000	Funding by SWFWMD Grant and Town C.I.P. 2008-2009.	CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants	8/30/2016		Steve Andrews
830	Redington Shores / Public Works	Flood proofing, Structural Hardening of	Wet Flood Proofing and bracing the Town's existing Maintenance facility located at 155 174th Ave. E. Located in FEMA Zone AE-11. Estimated completion time: more than 12 months. / 1	\$150,000	Currently Unfunded	EMPATF, HMGP; PDM Program	8/30/2016		Steve Andrews

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		Town Maintenance Garage (Essential Facility)							
820	Redington Shores / Public Works	Underground Utilities	Place underground electrical, telephone and cable utilities to all properties along Gulf Boulevard from 175th Avenue to 83rd Terrace West. Estimated completion time: more than 12 months. / 2	\$7,500,000	Currently Unfunded	CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants; HMGP Planning	8/30/2016		Steve Andrews
960	Redington Shores / Sewer Department	Flood and wind retrofit of lift stations	Storm proof sanitary sewer lift stations (3). Estimated completion time: less than 12 months. / 1	\$550,000	Funding by SWFWMD Grant and Town C.I.P. 2008-2009.	Capitalization Grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants; HMGP Planning	8/30/2016		Steve Andrews
1320	Safety Harbor	Baytowne West Lift Station	Complete Renovation of Sanitary Sewer Lift Station. / 1,2	\$60,000	FY21/22	Local	10/21/2016		Michael Schoderbock
1320	Safety Harbor	Highlands Lift Station	Complete Renovation of Sanitary Sewer Lift Station. / 1,2	\$60,000	FY18/19	Local	10/21/2016		Michael Schoderbock
1320	Safety Harbor	North Bayshore Lift Station	Complete Renovation of Sanitary Sewer Lift Station. / 1,2	\$60,000	FY17/18	Local	10/21/2016		Michael Schoderbock
1270	Safety Harbor	Cypress Hollow Lift Station Repair	Complete Renovation of Sanitary Sewer Lift Station. / 1,2	\$60,000	FY19/20	Local	10/21/2016		Michael Schoderbock
1270	Safety Harbor	Harbor Woods Lift Station Repair	Complete Renovation of Sanitary Sewer Lift Station. / 1,2	\$75,000	FY20/21	Local	10/21/2016		Michael Schoderbock
1240	Safety Harbor	South Bayshore Lift Station and Generator	Complete Renovation of Sanitary Sewer Lift Station. / 1,2	\$125,000	FY16/17	Local	10/21/2016		Michael Schoderbock
1180	Safety Harbor	City Hall Window Replacement	Replace City Hall windows with wind resistant / impact resistant product. /2	\$150,000	FY16/17	Local	10/21/2016		Michael Schoderbock
1030	Safety Harbor	Lower Mullet Creek Project	Design of the Lower Mullet Creek project. Water Quality and Flooding. /1,3,4	\$300,000	12-18 months	Unfunded– pending joint project with Pinellas County	10/21/2016		Michael Schoderbock
1030	South Pasadena / Public Works	City Hall Window Protection	Install protective window film on all windows in City Hall. Estimated completion time: less than 12 months. / 2	\$50,000	Currently Unfunded	Residential Construction Mitigation Program; EMPATF, HMGP; PDM Program			
1010	South Pasadena / Public Works	Finish Mast Arms on Evac Route	Install mast arms at 3 remaining locations on Pasadena Avenue. Estimated completion time: less than 12 months. / 2	\$1,500,000	Currently Unfunded	FDOT; EMPATF, Hazard Mitigation Grant Program; PDM Program.			
950	South Pasadena / Public Works	Generators	Install emergency generator at city hall. Estimated completion time: less than 12 months. / 4	\$60,000	Currently Unfunded	Residential Construction Mitigation Program; EMPATF, HMGP; PDM Program; Penny for Pinellas			

Pinellas County Local Mitigation Strategy

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915	South Pasadena / Public Works	Bury Utilities	Bury utilities on all streets. Phase I - main roads \$1,500,000. Phase II - \$2,000,000. Estimated completion time: more than 12 months. / 2	\$3,500,000	Currently Unfunded	CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants; HMGP Planning			
780	St. Anthony's Hospital / St. Petersburg	Public Education	Develop a community education program to provide a better interface between the City and its stakeholders. Estimated completion time: less than 12 months. / 4	\$10,000	Currently Unfunded	Residential Construction Mitigation Program; EMPATF, HMGP; PDM Program			
780	St. Anthony's Hospital / St. Petersburg	ER Retrofit to provide surge capacity for emergencies	Build surge capacity for St. Anthony's Hospital including a new Emergency Dept. Estimated completion time: more than 12 months. / 4	\$2,000,000	Currently Unfunded	Residential Construction Mitigation Program; EMPATF, HMGP; PDM Program			
1175	St. Pete Beach	GIS/ Computer Hardware and Software Enhancement	Develop work order system w/GIS enhancements. Estimated completion time: less than 12 months. / 4	\$35,000	Currently Unfunded	Capitalization Grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants	11/1/2016		Chelsey Welden
1330	St. Pete Beach	City EOC Retrofit	Provide shutters for the city EOC. Estimated completion time: less than 12 months. / 2	\$40,000	Currently Unfunded	EMPATF, HMGP; PDM Program	11/1/2016		Chelsey Welden
990	St. Pete Beach	Stormwater Management	City-wide drainage repairs and upgrades. Drainage upgrades (pipes, grading inlets and outfalls). Estimated completion time: more than 12 months. / 1	\$500,000	Currently Unfunded	FMAP; HMGP; PDM Program	11/1/2016		Chelsey Welden
890	St. Pete Beach	Flood Proof Recreation Building	Flood-proof recreation building. Estimated completion time: more than 12 months. / 1	\$350,000	Currently Unfunded	FMAP; HMGP; PDM Program; EMPATF	11/1/2016		Chelsey Welden
1000	St. Pete Beach	Seawall Improvement & stormwater project	Construct seawall improvements throughout the City. Estimated completion time: more than 12 months. / 3	\$800,000	Currently Unfunded	Capitalization Grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants; HMGP Planning	11/1/2016		Chelsey Welden
1000	St. Pete Beach	Acquisition of Repetitive Loss Properties	Purchase repetitive loss properties to mitigate losses. Estimated completion time: more than 12 months. / 1	\$1,000,000	Currently Unfunded	EMPATF, HMGP; PDM Program	11/1/2016		
930	St. Pete Beach	Force Main Replacement	Replace sanitary sewer force main from pump station #1 to St. Petersburg pipeline. Estimated completion time: more than 12 months. / 1	\$800,000	Currently Unfunded	Capitalization Grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants	11/1/2016		
680	St. Pete Beach	Underground Utilities	Bury Gulf Blvd. utilities underground. Estimated completion time: more than 12 months. / 2	\$15,500,000	Partially Funded	FMAP; HMGP; PDM Program	11/1/2016		Chelsey Welden
1220	St. Pete Beach	Dune Creation	Create dunes where there are gaps in the system and restore those which do not meet current FDEP dune standards. This will protect the entire city against the impacts of storms and damage to lives and property. /1,3	\$500,000	Currently Unfunded		11/01/2016		Chelsey Welden
1060	St. Pete Beach	Sea Level Rise Study	Identify areas which are particularly vulnerable to sea level rise and which experience frequent flooding and develop an action plan to mitigate future damages. Many areas of the city become inundated with water during storms and greatly affect the welfare of the	\$40,000	Currently Unfunded		11/01/2016		Chelsey Welden

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			community. By coming up with strategies to prevent this, the city reduces the threat level of flooding and erosion.						
845	St. Petersburg / Development Svcs	Acquisition of Repetitive Loss Properties	Acquire repetitive loss properties to mitigate real property vulnerabilities. Estimated completion time: more than 12 months. / 1	\$1,000,000	Currently Unfunded	Residential Construction Mitigation Program; EMPATF, HMGP; PDM Program	9/26/2016		Noah Taylor
845	St. Petersburg / Development Svcs	Acquisition of Repetitive Loss Properties	Acquire repetitive loss properties to mitigate real property vulnerabilities. Estimated completion time: more than 12 months. / 1	\$1,000,000	Currently Unfunded	Residential Construction Mitigation Program; EMPATF, HMGP; PDM Program	9/26/2016		Noah Taylor
930	St. Petersburg / Stormwater, Pavements and Traffic Operations Dept.	Backflow Prevention Stormwater Vaults	Project design, permitting and construction of flood protection vaults for City repetitive loss neighborhood. 47 vaults are planned for installation. / 1	\$2,855,000	FY16- FY18	PDM Program	9/26/2016		Noah Taylor
930	St. Petersburg / Stormwater, Pavements and Traffic Operations Dept.	Backflow Prevention Stormwater Vaults	Project design, permitting and construction of flood protection vaults for City repetitive loss neighborhood. 47 vaults are planned for installation. / 1	\$2,855,000	FY16- FY18	PDM Program	9/26/2016		Noah Taylor
1320	St. Petersburg/ Public Works	EOC	Design construct and equip a municipal Emergency Operations Center Facility/4	\$3,500,000	Currently Unfunded	Penney for Pinellas/Local	9/26/2016		Noah Taylor
1320	St. Petersburg/ Public Works	EOC	Design construct and equip a municipal Emergency Operations Center Facility/4	\$3,500,000	Currently Unfunded	Penney for Pinellas/Local	9/26/2016		Noah Taylor
1190	St. Petersburg/ Public Works	94th Ave. at Tinney Creek Storm Drainage Improvements	Project will construct large conveyance piping to reduce street and property flooding. /1	\$1,500,000	FY14 - FY18	Penney for Pinellas/Local	9/26/2016		Noah Taylor
1190	St. Petersburg/ Public Works	94th Ave. at Tinney Creek Storm Drainage Improvements	Project will construct large conveyance piping to reduce street and property flooding. /1	\$1,500,000	FY14 - FY18	Penney for Pinellas/Local	9/26/2016		Noah Taylor
1170	St. Petersburg/ Public Works	Oak Street NE and Gandy Blvd Storm Drainage Improvements	Project will construct large conveyance piping to reduce street and property flooding. /1	\$1,000,000	FY16- FY18	Local	9/26/2016		Noah Taylor
1130	St. Petersburg/ Public Works	4th St & 14th Ave N to Crescent Lake Storm Drainage Improvements	Design and construct larger conveyance piping to reduce street flooding 1 & 3	\$1,900,000	FY 15 - 19	Penney for Pinellas/Local	9/26/2016		Noah Taylor
1000	St. Petersburg/ Public Works	8th Ave. S. & 44th St. S. Storm	Project will construct large conveyance piping to reduce street and property flooding. /1	\$4,500,000	FY15 - FY18	Penney for Pinellas/Local	9/26/2016		Noah Taylor

Pinellas County Local Mitigation Strategy

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		Drainage Improvements							
1430	St. Petersburg/ Public Works	Stormwater Management Master Plan Update	Update 1994 Stormwater Management Master Plan utilizing SWFWMD criteria. /1	\$1,800,000	FY17-FY20	SWFWMD/Local	9/26/2016		Noah Taylor
1130	Tampa Bay Regional Planning Council / Pinellas County	Regional Public Education Initiative	With Pinellas County Emergency Management develop a county-wide public education program to address preparation and mitigation actions for all hazards related to hurricanes. All jurisdictions will benefit from this effort. Estimated completion time: less than 12 months. / 4	\$75,000	Currently Unfunded	EMPATF, HMGP, PDM Program			
940	Tampa Bay Regional Planning Council / Pinellas County	Post-Storm Evaluation of the Regional Evacuation Study	Evaluate the evacuation study to identify any discrepancies in the predicted and observed elements of the Regional Plan. Estimated completion time: less than 12 months. / 4	\$90,000	Currently Unfunded	EMPATF, HMGP; PDM Program			
1000	Tarpon Springs Building Development Division	FEMA Grant #1	SRL- Severe Repetitive Loss Grant / or HMGP Mitigation Reconstruction or Property Acquisition and Structure Demolition for Open Space / Hurricane Damage / 1	\$150,000 for SRL or HMGP / up to \$276,000 Acquisition, demolition, open space	FY 2017 Currently Unfunded	FEMA – SRL Grant FEMA – HMGP Grant FEMA – Property acquisition / Structural Demolition and Open Space through the HMA Program	10-24-16	This house is no longer habitable due to structural damage caused by flooding of the home during Hurricane Hermine	Heather Urwiller
1000	Tarpon Springs Building Development Division	FEMA Grant #2	SRL- Severe Repetitive Loss Grant / or HMGP Mitigation Reconstruction or Property Acquisition and Structure Demolition for Open Space / Hurricane Damage / 1	\$150,000 000 for SRL or HMGP / up to \$276,000 Acquisition, demolition, open space	FY 2017 Currently Unfunded	FEMA – SRL Grant FEMA – HMGP Grant FEMA – Property acquisition / Structural Demolition and Open Space through the HMA Program	10-24-16	This house is no longer habitable due to repetitive mold damage caused by flooding of the home during several flooding events including Hurricane Hermine	Heather Urwiller
940	Tarpon Springs Public Works Department	Window Replacement, Roof Replacement and Waterproofing of City Hall	Window replacement to meet current wind loads & improve energy efficiency, roof replacement, brick pointing and waterproofing of the exterior of City Hall / 2	\$2,100,000	6 months / currently under construction	City of Tarpon Springs General Fund and Penny for Pinellas	10-24-16		Heather Urwiller
1150	Tarpon Springs / Fire Department	Fire Station #71	Construct a new Fire Station	\$2,700,000	9 months / currently under construction	City of Tarpon Springs General Fund and Penny for Pinellas	10-24-16		Heather Urwiller
1290	Tarpon Springs Stormwater Division	SAP	Stormwater Capital Improvement plan. (SAP-Stormwater Action Plan) Estimated completion time: Ongoing. / 4	\$100,000 Annually	Currently funded	Stormwater Tax Assessment	10-24-16		Heather Urwiller

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1060	Tarpon Springs Streets & Stormwater Division	Vehicles	Purchase Johnson Street Sweeper for in-house removal of roadside sediment & debris that would otherwise get into our stormwater system. Estimated completion time: Ongoing. / 1,3	\$240,000	Purchased	Stormwater Tax Assessment	10-24-16		Heather Urwiller
1130	Tarpon Springs Streets & Stormwater Division	Vehicles	Purchase CAT Mini Loader for in-house construction and maintenance of Stormwater infrastructure. Estimated completion time: Ongoing. / 1,3	\$89,000	Purchased	Stormwater Tax Assessment	10-24-16		Heather Urwiller
1080	Tarpon Springs Streets & Stormwater Division	Vehicles	Purchase Aquatech VacCon for in-house removal of sediment & debris that cause blockages of our stormwater system. Estimated completion time: Ongoing. / 1,3	\$350,000	Purchased	Stormwater Tax Assessment	10-24-16		Heather Urwiller
1170	Tarpon Springs Streets & Stormwater Division	Spruce Street flood abatement SAP 29	Project to reduce/eliminate localized flooding and emergency vehicle access.	\$151,230	Currently Unfunded	Stormwater Tax Assessment, EMPATF, HMGP; PDM Program	10-24-16		Heather Urwiller
1170	Tarpon Springs Streets & Stormwater Division	Avoka Drive flood abatement SAP 74	Project to reduce/eliminate localized flooding and emergency vehicle access.	\$255,600	Currently Unfunded	Stormwater Tax Assessment, EMPATF, HMGP; PDM Program	10-24-16		Heather Urwiller
1140	Tarpon Springs Streets & Stormwater Division	Mango Street & Mango Circle flood abatement SAP 102	Project to reduce/eliminate localized flooding and emergency vehicle access.	\$43,900	Currently Unfunded	Stormwater Tax Assessment, EMPATF, HMGP; PDM Program	10-24-16		Heather Urwiller
1160	Tarpon Springs Streets & Stormwater Division	Coburn Drive flood abatement SAP 39	Project to reduce/eliminate localized flooding and emergency vehicle access.	\$210,040	Currently Unfunded	Stormwater Tax Assessment, EMPATF, HMGP; PDM Program	10-24-16		Heather Urwiller
1160	Tarpon Springs Streets & Stormwater Division	Levis between Lime & Oakwood flood abatement SAP 25	Project to reduce/eliminate localized flooding and emergency vehicle access.	\$248,638	Currently Unfunded	Stormwater Tax Assessment, EMPATF, HMGP; PDM Program	10-24-16		Heather Urwiller
1190	Tarpon Springs Streets & Stormwater Division	Kenneth Way & Seaside flood abatement SAP 57	Project to reduce/eliminate localized flooding and emergency vehicle access.	\$91,000	Currently Unfunded	Stormwater Tax Assessment, EMPATF, HMGP; PDM Program	10-24-16		Heather Urwiller
1120	Tarpon Springs Housing Authority	Emergency Operations Generator	Emergency generator to allow operations during state of emergency, power outages or other events of power loss. 1 & 2	\$64,200	Currently Unfunded	CDBG, HUD	9/21/2016		Michael Denehy
800	Tarpon Springs Housing Authority	Landscape Restoration	Trimming of Palm, Planting of Sod & Shrubs, Repair of Erosion and Control of Runoff	\$56,640	Currently Unfunded	CDBG, HUD	9/21/2016		Michael Denehy
1100	Tarpon Springs	Door & Window Upgrades	Door & Window Replacements to meet current wind codes & to improve energy efficiency.	\$96,300	Currently Unfunded	CDBG, HUD	9/21/2016		Michael Denehy

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	Housing Authority								
1710	Treasure Island	Citywide Seawall Assessment and Repair for Locations NOT listed as a separate project (street ends, etc.)	Seawall repair/replacement. Estimated completion time: more than 12 months. / 4	\$630,000	Currently Unfunded	EMPATF, HMGP; PDM Program; CDBG	10/15/2016		Paulette Cohen
970	Treasure Island	Wind Retrofit of critical facilities	Harden critical municipal facilities including: PWorks Admin, PWorks Garage. Estimated completion time: more than 12 months. / 2	\$100,000	Funded by City	EMPATF, HMGP; PDM Program;	10/15/2016		Paulette Cohen
1290	Treasure Island	Stormwater Interceptor project in Sunset Beach and rehabilitation of underdrain system at lots 2 and 3 improvement of stormwater discharge throughout the city / 4	At lots 2 and 3 and nearby areas 2016: Phase 4 & 5 2017: Phase 6 2018: Master Plan 2019: Causeway Area 2020: Sunshine Beach Area 2021: Downtown Area	\$3,105,000	Partially Funded (50% funded by SWFWMD) FY16 – FY17 Unfunded: FY 18- FY 21	Capitalization Grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP; SWFWMD Cooperative Funding, Nonpoint Source Implementation Grants	10/15/2016		Paulette Cohen
1270	Treasure Island	Replacement of City Hall and seawall rehabilitation	Harden critical municipal facilities - Admin, Fire, and Police Estimated completion time: more than 12 months. / 2	\$8,000,000	Currently Unfunded	EMPATF, HMGP; PDM Program; CDBG; FMAP	10/15/2016		Paulette Cohen
1220	Treasure Island	Provide ten -- 10.5 and 5 hp pumps and controls to city lift stations	(Lift Station 7 - \$250,000)(Lift Station 9 - \$250,000)(Lift Station 8 - \$250,000)(Lift Station 6 - \$250,000) Harden critical municipal facilities - Estimated completion time: more than 12 months. / 4	\$1,000,000	Partially Funded by City	Capitalization Grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants; HMGP Planning	10/15/2016		Paulette Cohen
970	Treasure Island	Kingfish Park Seawall Rehabilitation	Repair/replace seawall: Estimated completion time: less than 12 months. / 3	\$45,000	Currently Unfunded; Projected for FY 2018	EMPATF, HMGP; PDM Program; CDBG	10/15/2016		Paulette Cohen
940	Treasure Island	Lift Station #4 - Refurbishment	Elevation of Controls & Electrical Equipment in Lift Station #4 Estimated completion time: more than 12 months. / 4	\$823,300	Partially Funded by City	Capitalization Grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants; HMGP Planning	10/15/2016		Paulette Cohen
890	Treasure Island	GPS Inventory of Street Signs	Inventory all street and identification signs using GPS technology to facilitate replacement following a storm event. Estimated completion time: more than 12 months./ 4	\$50,000	Currently Unfunded; Projected for FY 2018	CDBG; HMGP; HMGP Planning	10/15/2016		Paulette Cohen

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1060	Treasure Island	City Hall Seawall Rehabilitation	Repair/replace seawall adjacent to critical facilities: Estimated completion time: more than 12 months. / 3	\$660,000	Currently Unfunded	EMPATF, HMGP; PDM Program; CDBG	10/15/2016		Paulette Cohen
970	Treasure Island	Electronic Information Signs at Bridges	Purchase and installation of four (4) electronic signs, to be placed at strategic locations on either side of the two bridges. Signs would afford motorists, cyclists, and pedestrian's sufficient opportunity to choose alternate travel routes in the event bridge(s) are closed for repairs, malfunction, traffic accidents, or other reasons. /4	\$600,000	Currently Unfunded; Projected for FY 2019	DOT Grant (County Incentive Program); CDBG; HMGP; HMGP Planning; Local Funding	10/15/2016		Paulette Cohen
1060	Treasure Island	Mitigation of Rising Sea Levels Study	Hire a consultant to conduct a study regarding rising sea level impacts and possible mitigation measures and associated mitigation measure costs for Treasure Island.	\$400,000	Currently Unfunded; Projected for FY 2021	DOT Grant (County Incentive Program); Capitalization Grants for Clean Water State Revolving Funds CDBG; HMGP; HMGP Planning; Local Funding	10/15/2016		Paulette Cohen

Attachment 2

Pinellas County LMS Endorsement Letter for
FEMA 4280-DR-FL, Hurricane Hermine

**BOARD OF COUNTY
COMMISSIONERS**

Dave Eggers
Pat Gerard
Charlie Justice
Janet C. Long
John Morroni
Karen Williams Seel
Kenneth T. Welch

May 2, 2017



Mr. Miles Anderson, State Hazard Mitigation Officer Florida Division of Emergency Management 2555 Shumard Oak Boulevard Tallahassee, Florida 32399-2100

Re: Hazard Mitigation Grant Program (HMGP) applications for FEMA 4280-DR-FL, Hurricane Hermine

Dear Mr. Anderson,

The Pinellas County Local Mitigation Strategy (LMS) Working Group has approved by vote the following projects for HMGP funding from this disaster. The projects align with our LMS goals and objectives as noted, and with the State's mitigation goals and objectives (in accordance with the Code of Federal

FEMA 4280-DR-FL Funding priority	Project name or description	Applicant	Goal/objective implemented	Estimated federal share
1.	Public Works Complex Generator	City of Pinellas Park	1.B. (1.6)	\$168,750
2.	Town Hall/Police Department Generator	Town of Belleair	1.B. (1.6)	\$103,857

Regulations 44§ 201.6.)

The Pinellas County LMS Working Group therefore presents the projects below to be considered for funding.

For further information or inquiry, please contact me at 727-464-8200 or rvincent@pinellascounty.org.

Sincerely,

Carol R. Vincent, LMS Chair
Pinellas County LMS

cc: Commissioner Janet C. Long, Chair
Pinellas County Board of County Commissioners

Sally Bishop, Director
Pinellas County Emergency Management

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