



May 22, 2024

Ms. Laura Dhuwe, State Hazard Mitigation Officer
Florida Division of Emergency Management (FDEM)
2555 Shumard Oak Boulevard Tallahassee,
Florida 32399-2100

Re: Pinellas County Endorsement Letter for HMGP-Idalia FEMA 4734-DR-FL and updated Local Mitigation Strategy Table D-1 Mitigation Initiatives list.

Dear Ms. Dhuwe:

The Pinellas County Local Mitigation Strategy (LMS) Working Group has approved by vote and prioritized the following projects for HMGP funding from this disaster. These 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 Regulations 44§201.6.)

The Pinellas County LMS Working Group, presents the following projects (see Attachment 1 - Prioritized Project List), in the order that they are to be considered for funding. Correspondingly, Attachment 2 is the updated Table D-1 Mitigation Initiatives list, from Appendix D in Pinellas County's LMS. Table D-1 contains a list of all the planned mitigation initiatives for the participating jurisdictions and non-profit partners, in the County's LMS Working Group.

The Prioritized Project List (PPL) and Table D-1 were approved by the Pinellas LMS Working Group on April 10, 2024. The PPL includes a breakup of the cost for each of the projects.

For further information or inquiry, please contact me at 727-464-8221 or via email at sambadi@pinellascounty.org.

Sincerely,

Smita Ambadi, LEED AP, SCPM, LMS Chair
Pinellas County LMS

ATTACHMENT 1

Pinellas County Hazard Mitigation Grant Program (HMGP)

Prioritized Project List

FEMA 4734-DR-FL Hurricane-Idalia

PRIORITIZED PROJECT LIST - HMGP Idalia

Pinellas County

Ranking as approved by the Pinellas LMS Working Group on April 10th, 2024.

FUNDING PRIORITY	PROJECT NAME OR DESCRIPTION	APPLICANT	GOAL OR OBJECTIVE IMPLEMENTED	ESTIMATED TOTAL PROJECT COST	ESTIMATED LOCAL SHARE	ESTIMATED FEDERAL SHARE
1	Advent Health Critical Facility Generator	Advent Health North Pinellas	Become a More Disaster Resilient Community/Property Protection	\$14,512,241	\$3,628,060	\$10,884,181
2	Lift Station Portable Emergency Generators	Redington Shores	Become a More Disaster Resilient Community/Property Protection	\$108,600	\$27,150	\$81,450
3	Tarpon Springs Sponge Docks Flooding Abatement	Tarpon Springs	Minimize Coastal Flooding Losses in the CHHA, Coastal Storm Area and Hurricane Vulnerability Zone//Prevention; Property Protection.	\$4,881,230	\$1,738,390	\$3,142,840
4	Stormwater Infrastructure Improvements	Redington Shores	Minimize Coastal Flooding Losses in the CHHA, Coastal Storm Area and Hurricane Vulnerability Zone/Prevention	\$426,194	\$106,549	\$319,646
5	Acquisition of Repetitive Loss Properties for Flood Mitigation within Smith Bayou and Cross Bayou Watersheds	Pinellas County	Become a More Disaster Resilient Community/Prevention	\$13,284,224	\$3,321,056	\$9,963,168
6	Hardening Building Envelope for Hurricane Protection	Advent Health North Pinellas	Become a More Disaster Resilient Community/Property Protection	\$74,063,104	\$18,515,776	\$55,547,328
7	Shore Acres and Riviera Bay Backflow Prevention Vaults	St. Petersburg	Minimize Coastal Flooding Losses in the CHHA, Coastal Storm Area and Hurricane Vulnerability Zone/Prevention; Property Protection.	\$14,353,080	\$3,588,270	\$10,764,810
8	Acquisition of repetitive loss properties for flood mitigation within Tinney Creek Swamp	Pinellas County	Become a More Disaster Resilient Community/Prevention	\$7,700,000	\$1,925,000	\$5,775,000

ATTACHMENT 2

Pinellas County LMS

Table D-1 Mitigation Initiatives

(Appendix D)

**Pinellas County
Local Mitigation Strategy 2023-2024
Appendix D, Table D-1: Mitigation Initiatives**

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	Date Last Reviewed	Date Last Updated	Updated By
1274	AdventHealth North Pinellas	Hardening Building Envelope for Hurricane Protection	Complete building envelope of hospital facility to withstand hurricane winds/2 The hospital facility is a critical community lifeline that provides emergency services, as well as inpatient and outpatient care. The facility currently has 168 licensed beds which includes acute care and skilled nursing. Except for the Emergency Department addition, all existing portions of the facility were constructed prior to any code requirements for the enhanced wind loads and impact resistance brought on by Hurricane Andrew. While adequate to meet the code requirements of their time, many of the structures fall short of the requirements of current code and practice. In recent years, AHNP has been forced to evacuate and shut down operations every time a hurricane was projected to affect the facility. This has caused extraordinary disruptions in patient care and has cost AHNP millions of dollars in additional expenses. Hurricane Idalia forced AHNP to evacuate 65 patients over 4 counties (Marion, Pasco, Hillsborough, and Pinellas) and disrupted healthcare operations for 6 days. In 2017, Hurricane Irma tore away a large section of exterior cladding from the patient tower, exposing the inner wall construction to outside elements. This damage put the hospital at risk for catastrophic failure. The proposed hardening of the facility envelope will bring all structures up to current Florida Building Code for wind speed impacts which improves resilience against future storm events. After completion of the hardening, the hospital will no longer have to evacuate for every storm. The facility will be able to withstand hurricane wind impacts and maintain operations that ensure patient and staff safety during high winds and storms. Reducing the likelihood of evacuations also reduces stress on patients and families, and potential strain on other critical resources for transportation and sheltering of displaced patients, some with critical care needs. In 2023, there were 112,000 patient encounters at this hospital. The ability to remain operational in place and reopen immediately following storms is essential to the safety of the community, the community's resilience, and long-term recovery. All components and materials specified and used will meet American Society for Testing and Materials (ASTM) standards and the requirements mandated by the Florida Building Code (FBC). /4	\$74,063,104		Capital funding through Advent Health	5/22/2024		Carol Clark
1274	AdventHealth North Pinellas	Advent Health Critical Facility Generator	The hospital facility is a critical community lifeline that provides emergency services, as well as inpatient and outpatient care. The facility currently has 168 licensed beds which includes acute care and skilled nursing. Except for the Emergency Department addition, all existing portions of the facility were constructed prior to any code requirements for the enhanced wind loads and impact resistance brought on by Hurricane Andrew. In recent years, AHNP has been forced to evacuate and shut down operations every time a hurricane was projected to affect the facility. This has caused extraordinary disruptions in patient care and has cost AHNP millions of dollars in additional expenses. The existing backup power system is not sufficient and unable to supply backup power to the entire facility in an emergency. The proposed generator system will be installed in the recently completed generator building. The new system will modify the existing electrical service and emergency power system at AHNP which will bring all of the hardened equipment, including main power and emergency power, back to the Central Energy Plant (CEP). The generator system will ensure backup power can be maintained throughout the entire facility, in the event of electrical power disruption. The facility will be able to maintain operations that ensure patient and staff safety during high winds and storm related power interruptions. Reducing the likelihood of evacuations also reduces stress on patients and families, and potential strain on other critical resources for transportation and sheltering of displaced patients, some with critical care needs. In 2023, there were 112,000 patient encounters at this hospital. The ability to reopen immediately following storms is essential to the safety of the community, the community's resilience, and long-term recovery. All components and materials specified and used will meet American Society for Testing and Materials (ASTM) standards and the requirements mandated by the Florida Building Code (FBC). /4	\$14,512,241		Capital funding through Advent Health	5/22/2024		Carol Clark
1065	The Arc Tampa Bay	The Arc Tampa Bay Residential Mitigation Project - Group Home	Installation of impact resistant windows for residential properties for opening protection. One facility is a group home for medical/aging residents with intellectual and developmental disabilities that is used as a shelter during hurricanes. 2 group homes evacuate to this location. There is a generator onsite. The other property is a group home for individuals with autism spectrum disorder. This home is not occupied during hurricane events but wind mitigation activities would strengthen post-event resiliency and return to normalcy for residents.	\$55,000	FY23/24	Local funding, HMGP	1/17/2024		Carolyn Reginelli
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	1/17/2024		
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	1/17/2024		
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	1/17/2024		
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	1/17/2024		
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	1/17/2024		
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	1/17/2024		
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	1/17/2024		
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	1/17/2024		
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	1/17/2024		
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	1/17/2024		
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	1/17/2024		
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	1/17/2024		
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	1/17/2024		

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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	1/17/2024		
1089	Belleair Beach	STREET AND DRAINAGE IMPROVEMENTS FROM 9TH STREET TO MORGAN DRIVE	The 9TH Street to Morgan Drive Stormwater and Roadway Improvement Project includes the mill and resurfacing of approximate 26,181 Square Yards of residential roadway, curb replacement, stormwater collection improvements including installation of 3 inlets, replacing 9 inlet tops, installation of 656 Lineal Feet of Cured-in-Place-Pipe lining in existing stormwater culverts, clear debris and remove barnacles from stormwater culverts.	\$4,100,000	Construction	Local Funds	1/17/2024	8/16/2016	Kyle Riefler
910	Belleair Beach	Stormwater Management	Stormwater repairs, improvements, and replacing curb work.	\$60,000	Design	Local Funds	1/17/2024	8/16/2016	Kyle Riefler
1086	Belleair Beach/Public Works	Gulf Blvd. Utility Undergrounding	Undergrounding overhead power utilities and equipment to build resiliency in Belleair Beach. Project includes east side of Gulf Blvd. from the City Marina to 28th Ave. N. Provides a major reduction to power outages and reduce threat to human life.	\$4,729,757	Construction	HMGP, Local Funds	1/17/2024		Kyle Riefler
970	Belleair Bluffs / Public Works	City Hall Storm Shutters	Install commercial roll-down storm shutters to protect city hall. Estimated completion time: more than 12 months.	\$80,000	Currently Unfunded	EMPATF, HMGP; PDM Program	1/17/2024		RUSSELL SCHMADER, PUBLIC WORKS SUPERVISOR
1044	Belleair Bluffs / Public Works	PUBLIC WORKS FACILITY - UNDERGROUND GAS RUN GENERATOR	A fully operational gas line operated building generator for use during any outages, storms, storm preparations. It is imperative that the public works facility be ready to mitigate storm risks at all times for residents, businesses, major street clearance. There is currently NO generator at the facility; therefore all preparations have to be prepared Prior to the storm as well as getting all vehicles, machinery, tools ready.	\$20,000	Currently Unfunded	City Funds that would be reallocated from other budget line items.	1/17/2024		RUSSELL SCHMADER, PUBLIC WORKS SUPERVISOR
1154	Belleair Bluffs City Hall	GAS GENERATOR FOR CITY HALL	A fully operational gas line operated building generator for use during any outages, storms, storm preparations. It is imperative that the public works facility be ready to mitigate storm risks at all times for residents, businesses, major street clearance. There is currently NO generator at the facility; therefore all preparations have to be prepared Prior to the storm as well as getting all vehicles, machinery, tools ready. This would be a replacement generator from the one that was installed when the building was completed in 2002. The maintenance costs are becoming insurmountable and the need is urgent.	\$100,000	Currently unfunded	City funds that have been reserved or/and reallocated from the Capital Fund	1/17/2024		RUSSELL SCHMADER, PUBLIC WORKS SUPERVISOR
1095	Clearwater / Public Utilities	Purchase and install manhole pans	This project is to purchase and install 17,614 manhole pans. These manhole pans are designed to limit rainwater from entering the waste water collection system when a manhole is submerged. This can help with storms that cause standing water or storm surge that has pushed tides onto roadways. Preventing water from entering the water collection system is important because if the pipe or the water reclamation facility cannot keep up with the amount of water entering the system, then a sanitary sewer overflow occurs. This can occur at either the manhole or at the reclamation facility. The Public Utilities Department has selected Rain stopper as their preferred manhole pan. Installation is basic: lift up the manhole, place on the rim of the manhole frame, then lower the manhole lid. Any water entering from the lid is stopped from entering the waste water collection system. The device only weighs ten pounds and is low maintenance since there are no moving parts. The cost of this preventative measure is less than \$150 per manhole. The estimated construction length is one year.	\$2,625,000	Not approved for HMGP	EMPATF, PDM Program	1/17/2024	5/8/2018	Sarah Kessler
1110	Clearwater / Public Utilities	Purchase and install Stamford Baffles in 4 clarifiers at Marshall Street Facility	There are currently four (4) clarifiers at the Marshall Street Water Reclamation Facility. The project is the purchase and installation of Stamford Baffords on each of those clarifiers. The Baffles will increase performance by reducing the Total Suspended Solids (TSS) entering the effluent trough and adding the hydraulic capacity of the clarifier. The overall performance of the clarifiers will increase by reducing the velocity in the tanks. The baffles will allow clarifiers to handle peak flows associated with large rainfalls and storm surges and reduce the chance of sanitary sewer overflows. The baffles will be installed around the weir and attached to the concrete. The cost of this preventative measure is less than \$138,000 per Stamford Baffle. The estimated construction length is one year.	\$550,000	Not approved for HMGP	EMPATF, PDM Program	1/17/2024	7/26/2018	Sarah Kessler
1110	Clearwater / Public Utilities	Purchase and install Stamford Baffles in 2 clarifiers at East Facility	There are currently two (2) clarifiers at the East Water Reclamation Facility. The project is the purchase and installation of Stamford Baffords on each of those clarifiers. The Baffles will increase performance by reducing the Total Suspended Solids (TSS) entering the effluent trough and adding the hydraulic capacity of the clarifier. The overall performance of the clarifiers will increase by reducing the velocity in the tanks. The baffles will allow clarifiers to handle peak flows associated with large rainfalls and storm surges and reduce the chance of sanitary sewer overflows. The baffles will be installed around the weir and attached to the concrete. The cost of this preventative measure is less \$138,000 per Stamford Baffle. The estimated construction length is one year.	\$275,000	No approved for HMGP	EMPATF, PDM Program	1/17/2024	7/26/2018	Sarah Kessler
1080	Clearwater / Public Utilities	Telemetry installation at critical and essential lift stations	This project involves outfitting 23 critical and essential lift stations with telemetry which enable remote monitoring. Allowing real time monitoring of lift stations enables faster responses to issues. This would reduce the likelihood of sanitary sewer overflows. The cost of this preventative measure is less than \$18,100 to add monitoring equipment to lift stations. The estimated construction length is 90 days.	\$416,000	Not approved for HMGP	EMPATF, PDM Program	1/17/2024	7/26/2018	Sarah Kessler
1043	Clearwater / Public Utilities	Design and install automatic transfer bypass switches	This project includes the design and installation of 23 automatic transfer bypass switches at lift stations, water reclamation facilities, and water treatment facilities. The bypass switch has the ability transfer the electrical load from the electric utility to the back-up generator and switch back when the power is back on. By having an automatic process, there is a reduction in the likelihood that a sanitary sewer overflow will occur. The cost of this preventative measures is \$100,000 per bypass switch. The estimated construction length is 6 months.	\$2,300,000	Not approved for HMGP	EMPATF, PDM Program	1/17/2024	7/26/2018	Sarah Kessler

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996	Clearwater / Public Utilities	Manhole and gravity sewer rehabilitation on Clearwater Beach	This project includes complete coating of structures, replacement of frame and cover of manholes and gravity piping. Through surveys, 333 manholes and 30,245 linear feet of gravity piping were identified as having the potential to allow the inflow and infiltration of stormwater. These corrections are designed to limit rainwater from entering the waste water collection system when a manhole is submerged. This can help with storms that cause standing water or storm surge that has pushed tides onto roadways. Preventing water from entering the water collection system is important because if the pipe or the water reclamation facility cannot keep up with the amount of water entering the system, then a sanitary sewer overflow occurs. This can occur at either the manhole or at the reclamation facility. The estimated construction length is one year.	\$4,420,000	Not approved for HMGP	EMPATF, PDM Program	1/17/2024	7/26/2018	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	1/17/2024	12/16/2016	Sarah Kessler
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	1/17/2024	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	1/17/2024	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	1/17/2024	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	1/17/2024	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	1/17/2024	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	1/17/2024	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	1/17/2024	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	1/17/2024	12/16/2016	Sarah Kessler
850	Clearwater / Marine & Aviation	Airpark Hanger	Replace airplane hangar. Added 2016 /2	\$700,000	Unfunded	EMPATF, HMGP; PDM Program	1/17/2024	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	1/17/2024	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	1/17/2024	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	1/17/2024	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	1/17/2024	12/16/2016	Sarah Kessler
1034	City of Clearwater - Emergency Management	Clearwater Staff/Family Shelter	This project provides a continuous supply of electricity to the city's employee/family shelter located at Morningside Recreation Center. Employee shelters are commonly used during disasters to provide a safe and restful environment to those staff who are required to perform the city's mission essential functions but may have lost their residence to a disaster. In addition, these facilities provide a safe place for the immediate family of employees which provides affected staff greater resiliency against adverse condition to perform essential municipal tasks. Morningside Recreation Center was constructed with an ATS connection to the facility but does not have a dedicated generator.	\$480,000	Unfunded	HMGP, Local	1/17/2024		Sarah Kessler
1142	City of Clearwater	City of Clearwater Mast Arm Conversion Project-converting span wire signals to mast arms for wind mitigation	Traffic signals that utilize span wires for signal head attachments are susceptible to wind damage, resulting in twisted signal heads pointing the wrong direction at best, and fallen, knocked down signal spans at worst. Damage to signals during emergencies can result in unsafe electrical exposure to citizens, blocking roadways until signals elements are cleared or restored, and unsafe egress from side streets. These conditions require police control to direct motorists at these locations, diverting police manpower from other needed duties. In addition, repairs require the attention of signal maintenance staff during potentially unsafe weather conditions. Signals that utilize mast arms provide added stability to both the electrical systems as well as the signal heads, which allow the roadway to operate even during adverse weather conditions. Mast arms are metal structures designed to withstand wind speeds up to 150 mph. Signal heads are rigidly mounted to the steel arms providing a rigid, wind resistant installation. The electric cable is fully protected within the mast arms and underground conduit. As long as power is supplied to the signal cabinet, the signal should operate with all signal heads pointing in the correct direction, even during high wind conditions. Span wire signals suffer damage under wind speeds > 60 mph. For span wire signals, repairs due to wind damage are costly and can take up to 8 weeks, depending on the damage and equipment availability. FDOT supports to use of mast arms as the preferred signal support to protect the signal investment and provide the safest, most resilient signalized intersection, especially along coastal areas that are susceptible to storms with high winds. This work includes a total rebuild of 4/5 traffic signals including installation of mast arms including foundations, underground directional bored conduit, traffic signal cabinet, signal heads and pedestrian treatments, vehicle detection systems and electric cable connecting all devices. There will be 3 to 4 mast arms per signal, approximately 12-16 signal heads, 8 pedestrian heads/buttons, one signal cabinet, one ITS cabinet, 1 electric service, 4-6 video detection cameras and/or inductive loop systems per lane per approach, fiber optic cable connections, CCTV connections, and electric cable. Approximate costs to rebuild the traffic signals is \$700k per signal, for an estimated cost of \$2.8M/\$3.5M for construction. An additional cost of \$63k/ea (\$252k -\$315k) is required to develop construction plans. (9% of construction costs) An additional 8% is required for E&I \$56k per signal) at the following locations: 1) #1850 McMullen Booth Rd & Eastland Blvd 33759, 2) #1840 McMullen Booth Rd & Ruth Eckerd Hall 33759, 3) #1825 Gulf To Bay Blvd & McMullen Booth Rd 33759 , 4) #1785 Gulf to Bay & Hampton Rd 33759 , 5) # 1755 Gulf to Bay & Park Place 33759	\$4,095,000	Unfunded	HMGP, Local	1/17/2024		Sarah Kessler Project Contact: David Lutz, Traffic Engineering Manager (David.Lutz@myclearwater.com, 727-444-8237)

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971	Dunedin / Public Works	Lift Station Hardening & Retrofit	Pump stations that receive flow from one or more pump stations through a force main or pump stations discharging through pipes 12" in. or larger are required to provide uninterrupted pumping capabilities. The City has 12 lift stations that meet this requirement and do not have emergency provisions. These lift stations are LS# 3, 2, 12A, 16, 19, 17, 22, 34, 25, 12, 29, and 28 which pump 190,000; 125,000; 100,000; 100,000; 90,000; 55,000; 50,000; 35,000; 30,000; 25,000; 10,000; and 5,000 gallons raw sewage on an average daily flow. The City intends to install diesel driven emergency backup pumps on the nine largest flow lift stations to reduce the chance for significant sanitary sewer overflows (SSO's) during periods of heavy rains or extended power outages. The remaining 3 lift stations shall have portable diesel generators connected to them to provide power and provide uninterrupted pumping service. The City is a coastal community and all of the indicated lift stations are close to watersheds and overflows at any station have the potential to have a significant impact on water quality. These improvements will help mitigate impacts on waterways and residents.	\$1,500,000	Currently Unfunded		1/17/2024		Russell Ferlita
1065	Dunedin / Public Works	WWTP Backup Generators	The City's Wastewater Treatment Plant (WWTP) has a whole site generator that is aged and has experienced issues staying on line in times of emergency. The City is looking to install separate, smaller generators to power individual portions of the plant at the pumping points to keep water flowing and the process working properly in emergency situations and during power outages. The weak points identified at the plant are: Facility 4 (Headworks of the plant), Facility 7 (Clarifiers and Sludge & Secondary Effluent Pumping), Facility 8 (Denitrification Filters), Facility 13 (Blowers), and Facility 14 (Chemical Dosing). The power requirements for the generators identified are 200kW, 200kW, 300kW, 400kW, and 25kW for Facilities 4, 7, 8, 13, and 14 respectively. The City is a coastal community with an outfall to St. Joseph Sound and failure of the Wastewater Treatment Plant will cause sanitary sewer overflows (SSOs) at the plant, outfall of raw sewage into coastal waters, and have the potential to have a significant impact on water quality. These improvements will help mitigate impacts on waterways and residents.	\$1,200,000	Currently Unfunded		1/17/2024		Russell Ferlita
966	Dunedin / Public Works	Lift Station #20 Rehabilitation	Lift station #20 is adjacent to Jerry Branch, a tributary of Curlew Creek. The Florida Department of Environmental Protection (FDEP) along with the Environmental Protection Agency (EPA) listed Curlew Creek on the 303(d) list of impaired waterbodies for a bacteria Total Maximum Daily Load (TMDL). This lift station basin area suffers from Inflow and Infiltration (I&I), is currently undersized, and can experience significant sanitary sewer overflows (SSO's) during periods of heavy rains. This project's intent is to relocate the lift station to a location further from Jerry Branch, to increase the wet well size and capacity, and to mitigate the issues with I&I. These improvements will help mitigate impacts on waterways and residents.	\$1,300,000	Currently Unfunded	HMGP	1/17/2024	5/8/2018	Russell Ferlita
988	Dunedin / Public Works	Lift Station #32 Rehabilitation	Lift station #32 is adjacent to Jerry Branch, a tributary of Curlew Creek. The Florida Department of Environmental Protection (FDEP) along with the Environmental Protection Agency (EPA) listed Curlew Creek on the 303(d) list of impaired waterbodies for a bacteria Total Maximum Daily Load (TMDL). This lift station basin area suffers from Inflow and Infiltration (I&I), is currently undersized, and can experience significant sanitary sewer overflows (SSO's) during periods of heavy rains. This project's intent is to increase the wet well size and capacity, to mitigate the issues with I&I, and to address issues in the system related to undersized interceptor sewer mains in the system. These improvements will help mitigate impacts on waterways and residents.	\$750,000	Currently Unfunded	HMGP	1/17/2024	5/8/2018	Russell Ferlita
970	Dunedin / Public Works	Lift Station Emergency Backup Systems	Install emergency backup pumps on 9 lift stations and emergency generators on 3 lift stations / 1	\$1,500,000	Currently Unfunded	EMPATF, HMGP; PDM Program	1/17/2024	12/18/2018	Russell Ferlita
920	Dunedin / Public Works	Dunedin Main Library Opening Protection	Install hurricane shutters/opening protection on Dunedin Main Library. / 2	\$250,000	Currently Unfunded	EMPATF, HMGP; PDM Program	1/17/2024	11/26/2018	Joseph DiPasqua
1155	Dunedin	Manhole Reinforcement via structural lining	The project will increase resiliency of the lift station and sanitary sewer basin by increasing durability as well as prolonging the useful life of the existing system and its ability to carry flows safely through the basin. The structural lining of the sewer basin manholes will allow for the increased protection of residences and infrastructure serviced in the sewer basin area and the protection of the treatment capacity of the City's WWTP. The project will avoid the open cut method of removing and replacing the existing infrastructure. The project will decrease inflow and infiltration during emergency storm events while mitigating Sanitary Sewer Overflow effects. The project will consist of structural reinforcement of approximately 133- 4ft diameter manholes of various depth. Key basins were chosen for their susceptibility to structural failure due to age and material type. City of Dunedin Basin Manholes 1, 2, 5, and 16 were chosen.	\$399,000	Currently Unfunded	Local funding, HMGP	1/17/2024		Matthew Woodham

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1133	Dunedin	Sanitary Sewer CIPP for I&I and SSO mitigation	The project will increase resiliency of the lift station and sanitary sewer basin by increasing durability as well as prolonging the useful life of the existing system and its ability to carry flows safely through the basin. The lining of the sewer basins will allow for the increased protection of residences serviced in the sewer basin area and the protection of the treatment capacity of the City's WWTP. The project will avoid the open cut method of removing and replacing the existing infrastructure. The project will decrease inflow and infiltration during emergency storm events while mitigating Sanitary Sewer Overflow effects. The project will consist of lining approximately 55,000 linear ft. of sanitary sewer pipe. Key basins were chosen for their susceptibility to structural failure due to age and material type. City of Dunedin Basins 1, 2, 5, and 16 were chosen.	\$2,500,000	Currently Unfunded	Local funding, HMGP	1/17/2024		Matthew Woodham
1118	Dunedin	City of Dunedin Lift Station Rehabilitation and Reinforcement	The project will increase resiliency of the lift station and sanitary sewer basin by increasing durability as well as prolonging the useful life of the existing system and its ability to manage flows safely through the lift station collection points, well capacities, and forcemain system. The rehabilitation and reinforcement of the lift stations will allow for the increased protection of residences serviced in the sewer basin area and the protection of the treatment capacity of the City's WWTP. The project will avoid the reactionary measures of catastrophic failure, ensuring continued operation in emergency situations. The project will assure design capability and capacity during emergency storm events while mitigating Sanitary Sewer Overflow effects. The project will consist of rehabilitation and reinforcement of 10 susceptible Lift Stations within the City of Dunedin Sanitary network. Key basins were chosen for their susceptibility to structural failure due to age and material type. City of Dunedin Lift Stations 1,2,3,4,8,10,15,17,33, and 36 were chosen.	\$1,900,000	Currently Unfunded	Local funding, HMGP	1/17/2024		Matthew Woodham
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	\$250,000	Currently Unfunded	EMPATF, HMGP; PDM Program	1/17/2024	10/24/2016	Adam Colby
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	1/17/2024	10/24/2016	Adam Colby
1090	Gulfport / Public Works	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	1/17/2024	10/31/2017	Michael Taylor
1035	Gulfport / Public Works	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	1/17/2024	10/31/2017	Michael Taylor
1030	Gulfport / Community Development	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	1/17/2024	10/31/2017	Michael Taylor
1015	Gulfport / Public Works	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, Local	1/17/2024	10/31/2017	Michael Taylor
1,247	Gulfport / Public Works, Community Development	City Hall Complex – EOC Generators Installation	Hurricane Irma left 85% of Gulfport without power for more than one week, destroying 17 transformers and downing many power lines. City Hall complex was without electricity for one week. City Hall complex is the city's EOC and consists of three buildings: City Hall/Police Department, Fire Department, and Public Services. No power at the EOC complex compromised the City's emergency services and ability to respond and recover from Irma due to the lack of communications within and outside of the City, the use of computers, telephones, radios, and the equipment for damage assessment and monitoring of critical facilities such as water and lift stations. Replace two generators and install 1 new generator. One new generator will be 300 Kw, two other new generators will be 150Kw. / 4	\$334,000	HMGP Application approved by FDEM and FEMA. Project is currently under construction.	HMGP, Local	1/17/2024	10/31/2017	Michael Taylor
1,284	Gulfport / Public Works, Community Development	Generator Installation at Alternate EOC	Hurricane Irma left 85% of Gulfport without power for more than one week, destroying 17 transformers and downing many power lines. City Hall complex and the Public Works building was without electricity for one week. City Hall complex is the city's EOC but lies within Evacuation D Zone. Therefore, the Public Works building is the alternate EOC since it is not in a flood zone or evacuation zone. No power for the EOC complex and Public Works building compromised the City's emergency services and ability to respond and recover from Irma due to the lack of communications within and outside of the City, the use of computers, telephones, radios, and equipment for damage assessment and monitoring of critical facilities such as water and lift stations. Install one 100Kw generator. /4	\$75,204	HMGP Application was approved by FDEM and FEMA. Project is currently under construction.	HMGP, Local	1/17/2024	10/31/2017	Michael Taylor

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1250	Indian Rocks Beach / Public Works	Stormwater Drainage	Reconstruction of small basin stormwater collection and discharge facilities as required by NPDES. Based upon an updated Stormwater Master Plan in 2022, multiple City facilities are scheduled to be upgraded moving forward over a 20 year period and thereby be in compliance with NPDES regulations. One segment on 16th Avenue and one segment on 2nd Street are scheduled to be constructed /completed in 2023 with 3 segments on Harbor Drive scheduled to be designed in 2023.	\$2,833,218	2023	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	1/17/2024	10/9/2017	Dean Scharmen
893	Indian Rocks Beach / Public Works	Gulf Blvd Utility Undergrounding - Phase II	To make aesthetic and safety improvements to Gulf Boulevard, including undergrounding of the Gulf Blvd. overhead utilities and equipment. Phase II of the project, about \$5.5 million in costs, would start at the 506 Gulf Boulevard (ending point for Phase I) and continue North approximately 1 mile.	\$5,696,869	The City has contracted with a consultant for the engineering, design and construction of the project in April of 2021. Completion is anticipated by September 2026.	Pinellas County, City of Indian Rocks Beach Capital Improvement Plan	1/17/2024		Dean Scharmen
860	Indian Rocks Beach / Public Works	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 2021-2025.	\$2,500,000	In CIP for the next five years	City of Indian Rocks Beach Capital Improvement Plan; SWFMD	1/17/2024	10/9/2017	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	1/17/2024		
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	1/17/2024		
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	1/17/2024		
1229	Johns Hopkins All Children's Hospital	Hardening Medical Structures for John Hopkins All Children's Hospital	John Hopkins All Children's Hospital Campus structures are out of date regarding the structural system being resistant to current code level wind speeds for their doors and their main hospital needs its roof tie-downs to be upgraded. These mitigation measures will harden the envelope of the structures and prevent future wind and flood damage when a hurricane impacts the campus. The cost presented above is to replace doors on 2 buildings and the roof tie downs on the main hospital. These structures provide essential care to children across the county and throughout the Tampa Bay Area. They are a research and teaching hospital with a network of over 590 physicians and specialists. They provide various pediatric medical services including emergency care, cardiology, and cancer care. Replacing these doors and roof tie-downs is critical to ensure these emergency services remain operational and can continue in the wake of a disaster.	\$393,908	Currently Unfunded	HMGP	1/17/2024		Shanti Smith Copeland
910	Kenneth City / Public Works	Stormwater Management	Repair, rework, and replace components in the Kenneth City storm drain system. Estimated completion time: more than 12 months. / 1; Project is ongoing. The Town routinely funds ongoing stormwater improvements annually in conjunction with the Town's Capital Improvement Plan (CIP). The Town would utilize the services of a contractor to complete these updates, as identified in our future Stormwater Plan.	\$300,000	Currently Unfunded	Capitalization Grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants	1/17/2024		
910	Kenneth City / Public Works	Stormwater Management	Repair, rework, and replace components in the Kenneth City storm drain system. Estimated completion time: more than 12 months. / 1; Project is ongoing. The Town routinely funds ongoing stormwater improvements annually in conjunction with the Town's Capital Improvement Plan (CIP). The Town would utilize the services of a contractor to complete these updates, as identified in our future Stormwater Plan.	\$500,000	Currently Unfunded	Capitalization Grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants	1/17/2024		
1052	Kenneth City / Public Works	Street Improvements	Funding for street resurfacing has been allocated in the 2021/2022 fiscal year. Streets that require drainage improvements will be prioritized. This would take place consistent with the recommendations of the watershed management plan. Drainage improvements include the construction of stormwater infrastructure for flood control.This project is ongoing.	\$250,000	Currently Unfunded		1/17/2024		Jocilyn Martinez
1271	Kenneth City / Public Works	Stormwater Management	Repair, rework, and replace components in the Kenneth City storm drain system. Estimated completion time: more than 12 months. / 1; Project is ongoing. The Town routinely funds ongoing stormwater improvements annually in conjunction with the Town's Capital Improvement Plan (CIP). Drainage improvements include the construction of stormwater infrastructure for flood controlThe Town would utilize the services of a contractor to complete these updates, as identified in our future Stormwater Plan.	\$75,000	Currently Unfunded	Capitalization Grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants	1/17/2024		Jocilyn Martinez
1082	Kenneth City / Public Works	Stormwater Master Plan	This project was initiated in 2019 and is to be completed in late 2021. The Master Plan serves as a foundation for future drainage improvements for the purposes of flood control throughout the Town. This is a requirement of SWFWMD and will be funded by a 50:50 matching grant.	\$92,120	Currently Unfunded		1/17/2024		Jocilyn Martinez

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980	Kenneth City / Public Works	Stormwater Rate Study	Currently, the Town does not have a designated mechanism to fund stormwater maintenance and future stormwater improvements for the purposes of flood control. The implementation of a stormwater utility program, which many Pinellas County municipalities have in place, may be needed. The study would identify a rate structure that could be incorporated into a future utility. This study would also be eligible for 50% funding through SWFWMD. A rate study will help determine the best way to fund stormwater improvements through fees or impact fees. This project has no definitive start date.	\$50,000	Currently Unfunded		1/17/2024		Jocilyn Martinez
1052	Kenneth City / Public Works	Watershed Management Plan	The Town is conducting a Watershed Management Plan to identify water quality problems in the watershed, proposes solutions, and creates a strategy for putting those solutions in action. This project will identify water quality benefits. This project will be completed in December 2021.	\$125,000	Currently Unfunded		1/17/2024		Jocilyn Martinez
1044	Kenneth City / Public Works	Town Parking Lot/Resurfacing	This project would entail rebuilding the exiting Town parking lot on in accordance with Town Codes. Possible drainage improvements may be necessary as part of this project. Drainage improvements include the construction of stormwater infrastructure for flood control. This project has no definitive start date.	\$100,000	Currently Unfunded	Capitalization Grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants	1/17/2024		Jocilyn Martinez
921	Largo / Engineering Services	Allens Creek BMP Implementation	The Allens Creek Basin Watershed Management Plan, completed in 2013, identified Best Management Practices (BMPs) designed to provide flood control and water quality benefits. This project is a combination of two BMPs identified in the study. First, it is proposed to replace the four 48- inch culverts under St. Pauls Drive with three 5-ft by 12-ft concrete box culverts. The proposed alternative is predicted to significantly improve flooding conditions within the Belleair Road/St. Pauls Drive area. Second, the Deville Drive area is drained by a 287-foot long 36-inch concrete pipe. Flooding in this residential area can be greatly reduced by installing a parallel 48-inch pipe to the existing outfall./1	\$1,905,000.00	FY2025-FY2026	Penny for Pinellas IV	1/17/2024		Ann Rocke
944	Largo / Engineering Services	Clearwater Largo Road BMP	The Clearwater-Largo Road Drainage District Study update, completed in 2013, proposed best management practice (BMP) alternatives to address areas that experienced significant flooding during seasonal summer rains and to comply with National Pollutant Discharge Elimination System (NPDES) regulations. Seven proposed BMP alternatives were identified for implementation based on jurisdictional considerations and general feasibility and include replacement or new construction of curb and gutter, swales, inlets, ponds and pipes./1	\$791,000.00	FY2024-FY2025	Penny for Pinellas IV	1/17/2024		Ann Rocke
944	Largo / Engineering Services	Cross Bayou BMP Implementation	The Cross Bayou Basin Watershed Management Plan, completed in 2013, identified Best Management Practices (BMPs) designed to provide flood control and water quality benefits. This project is one of the BMPs identified in the study. The Pinebrook Canal between 142nd Avenue North and Ulmerton Road floods during the 100-year/24-hour and 25-year/24-hour storms. To mitigate flooding, the project involves re-grading and stabilizing or possibly armoring portions of approximately 5,200 feet of the Pinebrook Canal where bank failures have reduced conveyance capacity. The BMP also calls for replacing the 5-foot-by-7-foot concrete box culvert under Ulmerton Road with two 5-foot-by 7-foot box culverts./1	\$2,113,000.00	FY2024-FY2025	Penny for Pinellas IV	1/17/2024		Ann Rocke
944	Largo / Engineering Services	Medical Arts District Regional Pond	The first phase of this project includes a feasibility study to determine a location for a regional stormwater pond system for the Medical Arts District in the West Bay Drive Community Redevelopment District (WBD- CRD). Funding for land acquisition is programmed as Phase II in FY 2021. A regional stormwater pond would allow property owners in the Medical Arts District to redevelop property without the need to accommodate stormwater from projects on the redevelopment site. Additional benefits include components to improve multimodal connectivity, trails, water quality treatment, and flood mitigation. If the project proves feasible, design and construction could move forward for funding in FY 2024. The project could include funding involving a public-private partnership (P3) for the design, construction, and maintenance phases./1	\$200,000.00	Unfunded	Local (Stormwater Fund)	1/17/2024		Ann Rocke
921	Largo / Engineering Services	Pocahontas Drive Drainage Improvements	Drainage improvements include the construction of stormwater infrastructure for flood control./1	\$6,027,000.00	Unfunded	Penny for Pinellas IV	1/17/2024		Ann Rocke
944	Largo / Engineering Services	Starkey Road Basin BMP Implementation	The Starkey Road Basin Watershed Management Plan, completed in 2012, identified Best Management Practices (BMPs) designed to provide flood control and water quality benefits. This project is a combination of three BMPs identified in the study. It proposes upgrading the culvert at Starkey Road on Channel 10 near the East Bay Oaks Mobile Home Community and at Lake Palms Drive on Channel 10 combined with regrading the south-flowing tributary ditch west of Dahlia Place and Gardenia Place to expand the bottom width and recreate a positive ditch bottom gradient. New inlet/collection structures between the Dahlia Place and Gardenia Place cul- de- sac roadway are also proposed to fully convey roadway runoff through the collector system without overflow down driveways./1	\$1,144,000.00	FY2024	Penny for Pinellas IV	1/17/2024		Ann Rocke
921	Largo / Engineering Services	Venetian Gardens Drainage Improvements	Drainage improvements include the construction of stormwater infrastructure for flood control./1	\$1,764,000.00	FY2024	Local	1/17/2024		Ann Rocke
1240	Largo / Fire Rescue	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 Assessment indicated extensive repairs and upgrades for Largo Fire Rescue stations. The Largo Fire Rescue Department is looking ahead to replacing stations that have reached the end of their useful life, including fire stations 38, 39, 42, and 43. The replacement of Station 43 was initiated in FY 16 and will be completed in FY 17. Station 38 would be next, station 42 would be after station 38 and station 39 would be the last, in coordination with the county project to rebuild Rainbow Village. Fire Station 38: Apparatus bay floor resurfacing, interior painting, and drop ceiling replacement. Station 38 is slated to be the first station to be replaced if the penny is re-approved. (Station was built in 1987.) Fire Station 39: Roof replacement, apparatus bay floor resurfacing, and interior painting. Station 39 is scheduled to be replaced in coordination with the county project to rebuild Rainbow Village. (Station was build in 1980.) Fire Station 40: Major roof repair, apparatus bay floor resurfacing, and interior painting. (Station was built in 1990.) Fire Station 42: Roof replacement, apparatus bay floor resurfacing, and interior painting. Station 42 is slated to be the second station replaced if the penny re-approved. (Station was built in 1978.)/4	\$692,000	FY 17-FY 21	General (Local Fund)	1/17/2024	10/19/2017	Matthew DiFiore

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1150	Largo / Fire Rescue	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	\$16,167,200	FY2027-2032	General (Local Fund)	1/17/2024	10/19/2017	Ann Roche
1016	Largo / Environmental Services	WWRF Lift Station Flood Mitigation	This project meets the goals and objectives for structural mitigation projects that include strengthening of vulnerable structures and public facilities to withstand wind, fire and other forces, and elevation of structures to protect them from flood damage. A number of the Wastewater Reclamation Facility (WWRF) sanitary sewer lift stations are in the flood plain. Continuity of operations of these lift stations is at risk during high rain and/or flooding events. The purpose of this project is to reconstruct the lift stations to raise the critical infrastructure above the flood plain at existing Lift Station Nos. 19, 26, 41 and 47.	\$3,150,000	FY2024	HMGP	1/17/2024	5/8/2018	Ann Roche
1150	Largo / Fire Rescue	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	\$9,920,595	FY2024	General (Local Fund)	1/17/2024	10/19/2017	Ann Roche
1150	Largo / Fire Rescue	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	\$16,167,200	FY2027-2032	General (Local Fund)	1/17/2024	10/19/2017	Ann Roche
990	Largo / Environmental Services	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)	1/17/2024	12/22/2016	Matthew DiFiore
1190	Largo / Environmental Services	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)	1/17/2024	12/22/2016	Matthew DiFiore
970	Largo / Administration	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	\$80,000,000	FY2022-FY2024	General (Local Fund)	1/17/2024	12/22/2016	Ann Roche
1000	Largo / Environmental Services	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 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	\$20,000,000	N/A	Unfunded	1/17/2024	12/22/2016	Matthew DiFiore
1210	Largo / Environmental Services	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	1/17/2024	12/22/2016	Matthew DiFiore
1090	Largo / Environmental Services	WWRF Master Plan Improvements – Biological Treatment Systems	A portion of the overall project is intended raise critical components of the Largo Wastewater Reclamation Facility (WWRF) above the floodplain. This includes elevating the structure that contains the filter feed pump station and the new disk filters. It also includes four (4) new Motor Control Center (MCC) Buildings that are hardened and elevated. /1	\$2,375,000	FY 18	Wastewater (Local Fund)	1/17/2024	12/22/2016	Matthew DiFiore
944	Largo/ Engineering Services	126 Ave Church Creek Storm Drainage Improvements	Project will construct large conveyance piping to eliminate repeat property flooding and damage/1	\$1,725,000	FY2025-FY2027	Local Funding	1/17/2024	10/25/2017	Ann Roche

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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		1/17/2024		
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		1/17/2024		
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		1/17/2024		
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	1/17/2024		
	Madeira Beach / Community Development	Underground Utilities - East and West side streets	Underground utilities – East and West side streets	\$3,000,000	2024/under construction	Local	1/17/2024	10/5/2016	Jenny Rowan
986	Madeira Beach/Fire Department	Fire Station Expansion	Expand fire station to accommodate the growing needs of the Fire Department.	\$1,500,000	Currently Unfunded		1/17/2024		Sue Portal
899	Madeira Beach/Fire Department	Addition of concrete pad and aluminum cover at fire station	Will allow for more storage and vehicle parking.	\$50,000	2024	ARPA	1/17/2024		Jenny Rowan
842	Madeira Beach/Public Works	131st Ave E and 129th Ave. Roadway Improvements	Mill and resurface, stormwater pipe repairs, and curb repairs.	\$1,000,000	2024/under construction	DEO Infrastructure Grant Program 50% match	1/17/2024		Jenny Rowan
1154	Madeira Beach/Public Works	Madeira Beach Groin Rehabilitation	Rehab 22 beach groins for safety and effectiveness	\$1,750,000	2024	FDEP Grant received of \$1.75M	1/17/2024		Jenny Rowan
863	Madeira Beach/Public Works	Gulf Lane and Beach Access Roadway and drainage improvements	Mill and resurface Gulf Lane and beach access parking lots from 130th to 135th (budget amount increased due to planning to underground conduit)	\$2,500,000	2024/under construction	Budget	1/17/2024		Jenny Rowan
824	Madeira Beach/Public Works	Johns Pass Park parking lot improvements	Mill and resurface Johns Pass Parking lot to improve water pooling and stormwater runoff	\$450,000	2024-2025	Budget	1/17/2024		Jenny Rowan
864	Madeira Beach/Public Works	Johns Pass Village parking lot improvements	Mill and resurface Johns Pass Village parking lot	\$2,000,000	2025	Budget	1/17/2024		Jenny Rowan
858	Madeira Beach/Public Works	E Parsley, W Parsley, A Street, B Street, Lynn Way and Marguerite Drive (Safe Infrastructure).	Mill and resurface, stormwater pipe repairs, and curb repairs.	\$1,500,000	2024/in review	FDOT Grant of \$549,400	1/17/2024		Jenny Rowan
1100	Madeira Beach/Public Works	Watershed Management Plan	Inventory assets, propose maintenance schedule, implement sea-level rise, develop proposed CIP	\$150,000	2024	South Florida Water Management District-Cooperative Funding 50% Match	1/17/2024		Jenny Rowan
1113	Madeira Beach/Public Works	Stormwater Generator - Generator Replacement (Stormwater Station)	The City of Madeira Beach has one stormwater station located at 1410 I N Bayshore Dr. In 2007 the city approved improvements to the station which included two (2) new Flygt pumps, new control panel including alarms and flashing lights, and a new diesel generator. The purpose of this stormwater station is to pump the water off the roadway relieving roadway flooding. The current diesel generator is 16 years old and has major rust from sitting directly on the water. After discussions with vendors and the city mechanic staff has decided to convert the new generator to natural gas. Staff coordinated with TECO Gas to run a new gas line from Gulf Blvd to the station approximately 550 feet. The cost to run the new gas line is \$19,388.00 . Tampa Armature Works (TAW) is on the Sourcewell Cooperative Purchasing for Kohler generators and installation. The generator will be a 100KW, 3 Phase, 480 Volt Natural Gas with a hurricane impact enclosure rated at 1 86 wind load for a cost of \$64,830.86. The estimate to replace the grates and rebuild the inlets would be about \$50K. There are 7 inlets and the estimated cost to rebuild each is anywhere from \$5k - \$7k and then the grates are around \$1K each. I would only like to rebuild the inlets on 141st because they are quite old and outdated. purchase new stormwater grates and leveling ground area.	\$180,831	2024	Budget, HMGP	1/17/2024		Jenny Rowan
776	Madeira Beach/Public Works	John's Pass Boardwalk Piling Repair	Wrap pilings with structural jacket for durability - plan to do nine to 10 each year	\$150,000	2023-2025	Budget	1/17/2024		Sue Portal
884	Madeira Beach/Public Works	Area 6 Roadway Improvements - 153rd to 155th Ave (1st & 2nd Streets E), Harbor Drive & Municipal Drive	Mill and resurface, stormwater pipe repairs, and curb repairs	\$1,200,000	2024/engineering	Budget and \$1M FDOT Grant	1/17/2024		Jenny Rowan
902	Madeira Beach/Public Works	New Public Works Building	Garage space for Public Works vehicles (for maintenance/storage), offices, and Day Room for Fire Dept personnel	\$200,000	2024-2025	Budget (costs include engineering and start of construction)	1/17/2024		Jenny Rowan
1043	Morton Plant Hospital Association Inc.	Mease Countryside Hospital Flood Wall	In order to mitigate the identified threat of storm surge driven waters from impacting the South side of the hospital as identified in the slosh model; Morton Plant Hospital Association INC. would like to build a flood wall along the South perimeter to prevent the flooding of the loading dock area. This identified risk has moved the Morton PLant Hospital from a previously identified non-evacuation zone to a level D evacuation zone. The successful mitigation of this risk would help to ensure critical community infrastructure and the community as a whole is more prepared and resilient.	\$300,000	Currently Unfunded	Baycare Self-Funded	1/17/2024		Dirk Palmer
1043	Morton Plant Hospital Association Inc.	MPH PTAK Rehab Ctr Shutters	In order to further protect the building envelope and provide a more resilient Healthcare facility, Morton Plant Hospital Association would like to submit this project to add shutters to the Morton Plant Hospital PTAK Rehabilitation Center. This facility provides both rehabilitation and nursing Home services to the community. Mitigating the storm wind losses would lead to a more prepared and resilient community as well as reducing the potential for storm wind losses in the county.	\$825,000	Currently Unfunded	Baycare Self-Funded	1/17/2024		Dirk Palmer
1020	Morton Plant Hospital Association Inc.	MCH Windows & Shutters	Morton Plant Hospital INC. in order to further enhance the building envelope is submitting this project to replace 78 windows with hurricane hardened windows. Some of the areas where the window replacement may not be as effective would have shutters installed to minimize storm wind losses. This would also support a more resilient community and reduce the amount of storm wind loss in the county.	\$2,150,000	Currently Unfunded	Baycare Self-Funded	1/17/2024		Dirk Palmer
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	1/17/2024		
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	1/17/2024		

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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	1/17/2024		Mary Campbell
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	1/17/2024		Mary Campbell
1065	North Redington Beach / Public Works	North Redington Storm Drain 173rd	Installing a brand new storm drain between 555 and 557 173rd Avenue.	\$15,000	Currently Unfunded		1/17/2024		Bruce Cooper
1160	Oldsmar / Fire Rescue	Station #54 Hardening	Remote EOC location. Hardening of Station #54 as recommended following wind mitigation study. Replace overhead doors and station windows.	\$150,000	Currently Unfunded	Local, HMGP	1/17/2024		Jason Schwabe
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	1/17/2024		Tatiana Childress
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	1/17/2024		Tatiana Childress
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		1/17/2024		Tatiana Childress
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	1/17/2024		Tatiana Childress
1115	Oldsmar/Fire Rescue	Aerial Fire Apparatus Replacement	Current response of City assets includes fire pumper apparatus only. Replacement of current response with an aerial fire apparatus will include additional option of aerial component providing ability to access elevated structures such as hotels and commercial buildings. The additional option of an aerial master stream for large fire attack will also be available	\$1,150,000	Currently Unfunded	EMPATF; HMGP; PDM Program	1/17/2024		Mandi Clark
902	Oldsmar/Public Works	Dougl's Road Improvements	Douglas Road is a narrow, high traffic volume, two lane commercial collector street that does not meet current collector road standards for commercial vehicles. This Project will improve the roadway and drainage of the right-of-way. This road is a necessary route during an emergency for City field staff to physically connect with the EOC. The project is to widen the road and to improve drainage facilities, and provide landscaping and sidewalks	\$6,200,000	Currently Funded	EMPATF; HMGP; PDM Program	1/17/2024		Tatiana Childress
1076	Oldsmar/Public Works	Trailer Mounted Generator (#402)	Mounted Generator (#402) is essential for continuing services of Lift Stations during power failure.	\$75,000	Funded in 25/26 CIP	Local	1/17/2024		Tatiana Childress
1076	Oldsmar/Public Works	Trailer Mounted Bypass 6" Mobile Pump (#410)	Mobile pump is necessary to maintain and fix lift stations during emergency events.	\$55,000	Funded in 24/25 CIP	Local	1/17/2024		Tatiana Childress
1038	Oldsmar/Public Works	Moccasin Creek Bank Stabilization	Moccasin Creek between Peppertree Ct. and Oakleaf Blvd. has ongoing erosion. This project would be to stabilize the banks in order to stop the continued degradation. Gabion Baskets or another sustainable option, would be utilized in order to armor the river banks. Ongoing erosion causes sediment to be transported downstream. This leads to reduced capacity in the channel which causes increased frequency of flooding. Additionally if erosion continues, it will threaten the integrity of structures closest to the creek.	\$325,000	Currently Funded	Local; TBEP	1/17/2024		Ashlee Painter
1070	Oldsmar/Public Works	Stormwater Master Plan	Develop a 10-year Stormwater Master Plan that will serve as the guidance for the stormwater utility's capital improvement and maintenance programs. The plan should encompass the city's history of stormwater management, provide a path forward for improvement, and be clear and concise.	\$500,000	Currently Funded	Local	1/17/2024		Ashlee Painter
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		1/17/2024		
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	\$9,500,000	Currently Unfunded		1/17/2024		

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920	Pinellas County / Parks & Conservation Resources	Alligator Lake Habitat Restoration (845)	Comprehensive ecosystem restoration project for wetland and upland creation and enhancement and stormwater polishing. /2 (Project on schedule in monitoring/maintenance phase)	\$1,300,000	FY2012 - FY2018	Grant; Local funds; SWFWMD	1/17/2024	10/30/2017	Steve Harper
680	Pinellas County / Parks & Conservation Resources	Mobbly Bay Habitat Restoration (656)	Comprehensive ecosystem restoration project for wetland and upland creation and enhancement and stormwater polishing. /2 (Project to be completed by SWFWMD)	\$1,100,000	FY2012 - FY2018	Grant; Local funds; SWFWMD	1/17/2024	10/30/2017	Steve Harper
1255	Pinellas County / Public Works Environmental Mgmt Division	Sea Level Rise Vulnerability Assessment	Pinellas County Sea Level Rise and Storm Surge Vulnerability Assessment. Will perform vulnerability risk assessments of tidal flooding & storm surge impacts at multiple SLR scenarios & time horizons for critical County infrastructure assets / 2	\$450,000	FY18-FY21 / Digital Elevation Model and asset geodatabase complete, Storm Surge modeling ongoing.	U.S. Treasury	1/17/2024	10/27/2017	Andy Squires
1140	Pinellas County / Public Works	Curlew Creek and Smith Bayou Watershed Management Plan	Evaluate drainage patterns within watershed; identify flooding locations; develop BMPs to address the issues. / 1, 3	\$850,000	FY2017 - FY2020 / In Progress	Surface Water Utility Fund and SWFWMD CFI Grant	1/17/2024		Rhonda Bowman
1140	Pinellas County / Public Works	Anclote River Watershed Management Plan	Evaluate drainage patterns within watershed; identify flooding locations; develop BMPs to address the issues. / 1, 3	\$800,000	FY2017 - FY2020 / In Progress	Surface Water Utility Fund and SWFWMD CFI Grant	1/17/2024	11/30/2020	Rhonda Bowman
1140	Pinellas County / Public Works	Lake Tarpon Watershed Management Plan (Floodplain Mapping)	Evaluate drainage patterns within watershed; identify flooding locations; develop BMPs to address the issues. / 1, 3	\$500,000	FY2018 - FY2023 / In Progress	Surface Water Utility Fund and SWFWMD CFI Grant	1/17/2024	11/30/2020	Rhonda Bowman
1118	Pinellas County / Public Works	Brooker Creek Watershed Management Plan	Evaluate drainage patterns within watershed; identify flooding locations; develop BMPs to address the issues. / 1, 3	\$1,050,000	FY2018 - FY2023 / In Progress	Surface Water Utility Fund and SWFWMD CFI Grant	1/17/2024	11/30/2020	Rhonda Bowman
1140	Pinellas County / Public Works	South Creek Watershed Management Plan	Evaluate drainage patterns within watershed; identify flooding locations; develop BMPs to address the issues. / 1, 3	\$750,000	FY2019 - FY2021 / In Progress	Surface Water Utility Fund and SWFWMD CFI Grant	1/17/2024	11/30/2020	Rhonda Bowman
1140	Pinellas County / Public Works	Klosterman Bayou Watershed Management Plan	Evaluate drainage patterns within watershed; identify flooding locations; develop BMPs to address the issues. / 1, 3	\$300,000	FY2020 - FY2021 / In Progress (Scoping)	Surface Water Utility Fund and SWFWMD CFI Grant	1/17/2024	11/30/2020	Rhonda Bowman
1140	Pinellas County / Public Works	Roosevelt Creek Watershed Management Plan	Evaluate drainage patterns within watershed; identify flooding locations; develop BMPs to address the issues. / 1, 3	\$800,000	FY2020 - FY2023 / In Progress (Scoping)	Surface Water Utility Fund and SWFWMD CFI Grant	1/17/2024	11/30/2020	Rhonda Bowman
1140	Pinellas County / Public Works	Coastal Zone 5 Watershed Management Plan	Evaluate drainage patterns within watershed; identify flooding locations; develop BMPs to address the issues. / 1, 3	\$575,000	FY2021- FY2024 (Procurement)	Surface Water Utility Fund and SWFWMD CFI Grant	1/17/2024	11/30/2020	Rhonda Bowman
1140	Pinellas County / Public Works	Starkey Road Watershed Management Plan Update	Evaluate drainage patterns within watershed; identify flooding locations; develop BMPs to address the issues. / 1, 3	\$500,000	FY2021- FY2024 (Procurement)	Surface Water Utility Fund and SWFWMD CFI Grant	1/17/2024	11/30/2020	Rhonda Bowman
1140	Pinellas County / Public Works	Sutherland Bayou Watershed Management Plan	Evaluate drainage patterns within watershed; identify flooding locations; develop BMPs to address the issues. / 1, 3	\$300,000	FY2022-FY2025 (CFI)	Surface Water Utility Fund and SWFWMD CFI Grant	1/17/2024	11/30/2020	Rhonda Bowman

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1200	Pinellas County / Public Works	Cross Bayou Improvements Phase 2	Cross Bayou Improvements Segment 2 (002124B): This project will improve conveyance through Cross Bayou Canal and reduce duration of flooding. The banks of the canal will be stabilized as needed to reduce future sediment buildup. Property rights will be acquired and maintenance berms furnished to provide access for future maintenance. This project also undertakes a number of secondary goals via the Envision Sustainable Infrastructure process to include habitat and floodplain storage, water quality and explores recreational trail and blueway opportunities.	\$15,355,000	FY23-FY29 / In Progress	Penny for Pinellas, Grants	1/17/2024	12/30/2021	Anita Wang
1190	Pinellas County / Public Works	Curlew Creek (Channel A Oro Dr to Wilshire Dr) and Smith Bayou (Lower Bee Branch Channel Restoration near Tampa Rd) Stormwater Conveyance Improvements	Curlew Creek and Smith Bayou Stormwater Conveyance Improvements (004121A): Implementation of the recommended capital improvement projects contained in the Curlew Creek Watershed Management Plan (WMP) to provide an increased level of flood protection and improve water quality. The County will undertake highly ranked projects that primarily benefit unincorporated Pinellas County and will seek partnership opportunities with municipalities for other high priority recommended projects.	\$13,433,000	FY23-FY29 / In Progress	Penny for Pinellas, Grants	1/17/2024	12/30/2021	Anita Wang
1035	Pinellas County / Public Works	Cross Bayou Estates Drainage Phase 2	Cross Bayou Estates Drainage 2 (001328B): Drainage improvements to alleviate residential structural and street flooding in the vicinity of Cross Bayou Estates. / 1	\$4,454,000	FY23-FY29 / In Progress	Penny for Pinellas, Grants	1/17/2024	12/30/2021	Anita Wang
1076	Pinellas County / Public Works	Stormwater Infrastructure Program PIV	Stormwater Infrastructure Program PIV (004207A): Annually funded program to rehabilitate stormwater infrastructure to address flooding. / 1, 3	\$12,149,000	FY23-FY29 / In Progress	Penny for Pinellas, Grants	1/17/2024	12/30/2021	Anita Wang
932	Pinellas County / Public Works	Starkey Road Channel 5 Bank Stabilization Improvements	Starkey Road Channel 5 Bank Stabilization Improvements (004135A): Bank stabilization and erosion control measures for approximately 2,100' of Starkey Road Channel 5 from Starkey Road northeasterly to the CSX railroad crossing. / 3	\$6,137,000	FY23-FY29 / In Progress	Penny for Pinellas, Grants	1/17/2024	12/30/2021	Anita Wang
1181	Pinellas County / Public Works	Joe's Creek Greenway Trail and Stormwater Management	Joe's Creek Greenway Trail and Stormwater Management (004116A): This project is for preliminary engineering, design and construction of the Joe's Creek Greenway Trail, adjacent main channel improvements and implement projects identified by the watershed management plan for watershed wide flood protection, erosion control, and water quality improvements. These efforts are highly interdependent and will benefit from a coordinated single project approach, at least through the preliminary engineering phase. Projects include the Joe's Creek Greenway Trail, culvert upgrades, main channel improvements, treatment swales, and dry retention (at Joe's Creek Greenway Park) the and improvements affecting main channel tributary systems. / 1, 3	\$56,143,000	FY23-FY29 / In Progress	Penny for Pinellas, Grants	1/17/2024	12/30/2021	Anita Wang
1175	Pinellas County / Public Works	McKay Creek Watershed-wide Flood Reduction	McKay Creek Watershed-wide Flood Reduction (004117A): Implementation of the recommended capital improvement projects contained in the McKay Creek Watershed Management Plan (WMP) to provide an increased level of flood protection and improve water quality. / 1, 3	\$7,402,000	FY23-FY29 / In Progress	Penny for Pinellas, Grants	1/17/2024	12/30/2021	Anita Wang
1172	Pinellas County / Public Works	Starkey Road Channel 8 Drainage Improvements	Starkey Road Channel 8 Drainage Improvements (004119A): Implementation of the recommended capital improvement projects contained in the Starkey Road Watershed Management Plan (WMP) to provide an increased level of flood protection and improve water quality. / 1, 3	\$3,100,000	FY23-FY29 / In Progress	Penny for Pinellas, Grants	1/17/2024	12/30/2021	Anita Wang
1148	Pinellas County / Public Works	Implementation of the Allen's Creek Watershed Management Plan Recommendations	Implementation of the Allen's Creek Watershed Management Plan Recommendations (004124A) Implementation of the recommended capital improvement projects contained in the Allen's Creek Watershed Management Plan (WMP) to provide an increased level of flood protection and improve water quality. The County will undertake highly ranked projects that primarily benefit unincorporated Pinellas County and will seek partnership opportunities with municipalities for other high priority recommended projects. WMP identified projects include culvert and channel upgrades on Belleair Road, Nursery Road and nearby streets.	\$1,963,640	Not Started	State / Local Grants	1/17/2024	12/30/2021	Anita Wang
1170	Pinellas County / Public Works	Implementation of the Brooker Creek Watershed Management Plan Recommendations	Implementation of the Brooker Creek Watershed Management Plan Recommendations (004099A) Implementation of the recommended capital improvement projects contained in the Brooker Creek Watershed Management Plan (WMP), including culvert and channel improvements, to provide an increased level of flood protection and improve water quality. The County will undertake highly ranked projects that primarily benefit unincorporated Pinellas County and will seek partnership opportunities with municipalities for other high priority recommended projects.	\$244,455	Not Started	State / Local Grants	1/17/2024	12/30/2021	Anita Wang
1188	Pinellas County / Public Works	Implementation of the Cross Bayou Canal Watershed Management Plan Recommendations	Implementation of the Cross Bayou Canal Watershed Management Plan Recommendations (004118A): Implementation of the recommended capital improvement projects contained in the Cross Bayou Watershed Management Plan (WMP) to provide an increased level of flood protection and improve water quality. The County will undertake highly ranked projects that primarily benefit unincorporated Pinellas County and will seek partnership opportunities with municipalities for other high priority recommended projects.	\$3,660,000	Not Started	State / Local Grants	1/17/2024	12/30/2021	Anita Wang

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1272	Pinellas County / Public Works	McKay Creek Operable Lake Controls and SCADA (004134A)	<p>The nine (9) square-mile McKay Creek watershed is located in the western coastal portion of Pinellas County, with significant flooding along McKay Creek, Church Creek, and other locations within the watershed. The largely urbanized watershed is comprised of several municipalities:</p> <ul style="list-style-type: none"> •42.7% Unincorporated Pinellas County •46.3% City of Largo •8% City of Seminole •3% City of Belleair Bluffs <p>The most recent flood protection Level-of-Service (LOS) analysis performed in 2014 determined that nearly 40% of the basins have a "F" classification, with over a thousand flooded structures in addition to roadway flooding. The lowest LOS rating "F" indicates that the basins are subject to hazardous flooding conditions, with buildings and emergency service centers (including a regional hospital) are subject to flood damage from 100-year storm events. Besides structural flooding, evacuation and emergency service roads become impassable during or following 100-year storm events, while arterial /collector/ local roads are subject to flooding during more frequent storm events. The main project goal is to improve flood protection LOS and reduce flood risk in the McKay Creek watershed.</p> <p>The 2014 McKay Creek Watershed Management Plan (WMP) identified the regional Taylor Lake and Walsingham Reservoir Drawdown projects to provide significant flood reduction in the watershed. The proposed capital improvement project includes the construction of two (2) lake level control structures with SCADA systems for control and monitoring, at the following two locations:</p> <ul style="list-style-type: none"> •Taylor Lake flood gate •Walsingham Reservoir flood gate <p>Significant flood reduction benefits can be achieved by lowering lake levels slowly at both waterbodies before the start of major storm events. The lower lake levels will provide a more favorable tail-water condition for inflowing tributaries and provide additional storage volume, therefore reducing flooding conditions currently experienced in the watershed. As shown in Scenario 3C of the 2020 McKay Creek Watershed Lake Levels Operation Study, this project is expected to remove about 359 structures from the 100-year floodplain. County has started design phase. This worthy drainage improvement project was previously reviewed by HMGP-Covid19 program, and presented to FEMA as a backup candidate. With this application to the HMGP-Ian program, we sincerely wish that our McKay SCADA project can be selected as a primary candidate, to help secure the construction-funding assistance much needed to build the 2 operable flood gates (total construction cost estimated to be approximately \$4 million dollars). Construction phase is anticipated to start around early 2026, after completion of preliminary design, final design, permitting, and contractor-bidding phase.</p>	\$4,000,000.00	FY21-FY27 / In Progress	Penny for Pinellas , SWFWMD CFI,	1/17/2024	12/30/2021	Rob Burnes
1035	Pinellas County / Public Works	Cross Bayou Estates Drainage Phase 1	Cross Bayou Estates Drainage (001328A): Drainage improvements to alleviate residential structural and street flooding in the vicinity of Cross Bayou Estates. / 1	\$3,357,000	FY23-FY29 / In Progress	Penny for Pinellas, Grants	1/17/2024	12/30/2021	Anita Wang
1035	Pinellas County / Public Works	Cross Bayou Estates Drainage	Cross Bayou Estates Drainage (001328A,B): Drainage improvements to alleviate residential structural and street flooding in the vicinity of Cross Bayou Estates. / 1	\$7,506,000	FY23-FY29 / In Progress	Penny for Pinellas, Grants	1/17/2024	12/30/2021	Anita Wang
1035	Pinellas County / Public Works	Cherokee Drive (48th Avenue N) from 113th Street North to 112th Street North Drainage Improvements	Cherokee Drive (48th Avenue N) from 113th Street North to 112th Street North Drainage Improvements (002115A): The existing stormwater infrastructure system will be upgraded and expanded to address flooding; curbing will be installed to facilitate effective drainage. Some roads with subgrade and groundwater intrusion issues will be reconstructed and protected to extend their service lives. / 1	\$4,208,000	FY23-FY29 / In Progress	Penny for Pinellas, Grants	1/17/2024	12/30/2021	Anita Wang
1215	Pinellas County / Public Works	Baypointe Stormwater Conservation Area	Baypointe Stormwater Conservation Area (003435A): Regional stormwater management facility providing stormwater storage, flood protection, attenuation, and treatment; habitat restoration, creation, and mitigation; and opportunities for park, open space, passive recreation, and public education / 1,3	\$9,670,000	FY23-FY29 / In Progress	Penny for Pinellas, Grants	1/17/2024	12/30/2021	Anita Wang
887	Pinellas County / Public Works	Oakwood Drive over Stephanie's Channel Bridge Replacement	Oakwood Drive over Stephanie's Channel Bridge Replacement (001035A) / 1, 3	\$2,613,000	On Hold	Penny for Pinellas, Grants	1/17/2024	12/30/2021	Anita Wang
1055	Pinellas County / Public Works	Public Works Project Evaluation	A Service Request will be initiated through the Public Works Department to perform further analysis for issues requiring additional evaluation. Maintenance measures and minor infrastructure improvements may be implemented where possible to mitigate stormwater management issues of flooding and erosion. Capital improvement projects may also be identified. / 1, 3	\$300,000	FY2020 - FY2029 / In Progress	Surface Water Utility Fund	1/17/2024	11/30/2020	Rhonda Bowman
1020	Pinellas County / Public Works	Granger Drive Drainage Improvements	Granger Drive Drainage Improvements (001638A): Channel improvement and culvert upgrades to address flooding. / 1	\$701,000	On Hold	Penny for Pinellas, Grants	1/17/2024	12/30/2021	Anita Wang
1130	Pinellas County / Public Works	Stormwater Conveyance System Improvement Program (921321D)	Storm Sewer Pipeline Rehabilitation and CIPP (002064A): Annual program to replace/line inadequate or deteriorating stormwater conveyance systems in municipal boundaries in Pinellas County. / 1	\$7,270,000	FY23-FY29 / In Progress	Penny for Pinellas, Grants	1/17/2024	12/30/2021	Anita Wang
932	Pinellas County / Public Works	Bee Branch Phase 3	Bee Branch Phase 3 Erosion Control (002121C) / 1, 3- Design and construction of bank stabilization and erosion control along Bee Branch from the west side of 15th St westward to 14th St. / 3	\$4,801,000	FY23-FY29 / In Progress	Penny for Pinellas, Grants	1/17/2024	12/30/2021	Anita Wang
1020	Pinellas County / Public Works	Roosevelt Channel 5 Improvements	Roosevelt Channel 5 Improvements (002123A): Channel dredging, restoration and stabilization, removal of salinity barrier. / 1, 3 (Construction anticipated in FY20. FY19-25 budget updated, source: FY20-25 Governmental Capital Budget)	\$5,552,000	FY23-FY29 / In Progress	Penny for Pinellas, Grants	1/17/2024	12/30/2021	Anita Wang
1269	Pinellas County / Public Works	Cross Bayou Improvements Phase 1	Cross Bayou Improvements Segment 1 (002124A): Improve conveyance through Cross Bayou Canal to reduce duration of flooding. Channel dredging, restoration, and bank stabilization. / 1, 3	\$10,501,000	FY23-FY29 / In Progress	Penny for Pinellas, Grants	1/17/2024	12/30/2021	Anita Wang
830	Pinellas County / Public Works	Cross Bayou Channel 2 - Rena Dr. (1821)H	N Rena Drive Drainage Improvements North of Ulmerton Road & West of 66th Street N (002227A): Improve Cross Bayou Channel 2 from 66th St. to Pinecrest Subdivision. / 1	\$70,000	On Hold	Unfunded	1/17/2024	12/30/2021	Anita Wang
1076	Pinellas County / Public Works	Taylor Lake Seawall Replacement	Taylor Lake Seawall Replacement (002228A): Replace failing seawall along the south side of 8th Avenue SW, repair and replace pedestrian facilities, provide drainage improvements and erosion control measures along roadway and in the vicinity of the weir structure. / 1, 3, 4	\$4,982,000	FY23-FY29 / In Progress	Penny for Pinellas, Grants	1/17/2024	12/30/2021	Anita Wang

**Pinellas County
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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	Date Last Reviewed	Date Last Updated	Updated By
990	Pinellas County / Public Works	Surface Water Pipe Lining/Remove & Replace	Surface Water Pipe Lining/Remove & Replace (002625A): Annual program to replace/line inadequate or deteriorating stormwater conveyance systems in unincorporated areas of Pinellas County. / 1	\$9,204,000	FY23-FY29 / In Progress	Surface Water Utility Fee	1/17/2024	12/30/2021	Anita Wang
1073	Pinellas County / Public Works	Flood Prevention Program	Flood Prevention Program (003800A): Annual program to implement recommendations from WMPs and other studies. / 1, 3	\$2,499,000	FY23-FY29 / In Progress	Surface Water Utility Fee	1/17/2024	12/30/2021	Anita Wang
1091	Pinellas County / Public Works	Creek, Channel, Erosion Control Program	Creek, Channel, Erosion Control Program (003810A): Ongoing program to address erosion and bank stabilization / 3	\$645,000	FY23-FY29 / In Progress	Penny for Pinellas	1/17/2024	12/30/2021	Anita Wang
932	Pinellas County / Public Works	Mullet Creek	Mullet Creek Channel B Bank Stabilization (003894A): Repair and stabilize creek banks, install erosion control measures along Mullet Creek near McMullen Booth Road and Cypress Trace Drive. This project will improve the conveyance capacity of the creek and protect the infrastructure from future erosive damage. / 1, 3	\$3,958,000	FY23-FY29 / In Progress	Penny for Pinellas	1/17/2024	12/30/2021	Anita Wang
1008	Pinellas County / Public Works	Chenango Ave - Sedeeva Street Drainage Improvements	Chenango Ave - Sedeeva Street Drainage Improvements (003895A): Drainage improvements to address flooding in the vicinity of Chenango Ave and Sedeeva Cir / 1, 3	\$763,000	FY23-FY29 / In Progress	Unfunded	1/17/2024	12/30/2021	Anita Wang
1026	Pinellas County / Public Works	Crystal Beach Drainage Improvements	Crystal Beach Drainage Improvements (003896A): Improve the stormwater collection system and add green infrastructure to alleviate frequent street flooding, improve water quality and enhance the Crystal Beach community between Crystal Beach Ave and Florida Blvd. / 1, 3	\$7,851,000	FY23-FY29 / In Progress	Penny for Pinellas	1/17/2024	12/30/2021	Anita Wang
1170	Pinellas County / Public Works	Anclote Road Roadway and Stormwater Improvements	Anclote Road Roadway and Stormwater Improvements (003897A): Drainage and Roadway Improvements to address flooding hot spots; includes sidewalks and multi-modal transportation options along Anclote Road. / 1, 3	\$8,818,000	FY23-FY29 / In Progress	Penny for Pinellas, Grants	1/17/2024	12/30/2021	Anita Wang
1116	Pinellas County / Public Works	Lakeview and Keene Rd Drainage Improvements	Lakeview and Keene Rd Drainage Improvements (003898A): Drainage improvements to address structural and yard flooding near Lakeview Rd and Keene Rd. Intersection improvements include extending the E-W left turn storage capacity and Mast Arm installation. / 1	\$4,137,000	FY23-FY29 / In Progress	Penny for Pinellas, Grants	1/17/2024	12/30/2021	Anita Wang
1076	Pinellas County / Public Works	98th Way - 100th Way Drainage Improvements	98th Way - 100th Way Drainage Improvements (003899A): Improve the stormwater collection system and outfall to Long Bayou to address flooding in the vicinity of 98th Way - 100th Way. Improve drainage along Pinellas Trail to include replacement of deep ditches. / 1, 3	\$4,621,000	FY23-FY29 / In Progress	Penny for Pinellas, Grants	1/17/2024	12/30/2021	Anita Wang
1137	Pinellas County / Public Works	Acquisition of Repetitive Loss Area Properties for Flood Mitigation within Smith Bayou and Cross Bayou Watersheds	<p>This project is designed to remove repetitive loss properties from the flood hazard area and to increase the flooding Level of Service to roads and other properties within two target watersheds, Smith Bayou and Cross Bayou. This project includes recommendations from the Pinellas County Repetitive Loss Area Analysis (RLAA) and Local Mitigation Strategy (LMS). Both watersheds are listed as impaired waterbodies and will benefit from increased water quality level of service (LOS).</p> <p>The Smith Bayou watershed, including the 6-mile Bee Branch creek, is located in the northwestern part of Pinellas County and discharges to Sutherland Bayou north of Tampa Road. The watershed is 1,835 acres within the City of Dunedin and Unincorporated Pinellas County. Land use is mostly residential with a mix of commercial and light industrial areas and recreational open space. Most of the terrain in the Bee Branch watershed is steep and sloping, except for the flatter northwest areas. Model results indicate that portions of Alt-19 between Tampa Road and Virginia Avenue experience flooding during events equal to and greater than the 10-year storm event and Tampa Road east of Alt-19 experiences flooding during the 50-year storm. Because Alt-19 and Tampa Road are classified as Evacuation Routes the prescribed level of service is to remain passable during a 100-year and 24-hour storm event, therefore, acquisition can provide additional flood mitigation opportunity to meet service objectives.</p> <p>The Cross Bayou watershed encompasses approximately 7,697 acres in the central portion of Pinellas County within the cities of Pinellas Park, Largo, Seminole, and Unincorporated Pinellas County. The watershed contains closed-conduit drainage features leading to many open-channel drainage features, including the tidally influenced 7.9-mile Cross Bayou Canal, which extends across the county from Boca Ciega Bay to Tampa Bay. The majority of the watershed consists of high-density residential, industrial, and commercial areas. Because of the range of NAD88 elevations from 22 ft and below, there are significant flooding concerns within the watershed and especially along the Cross Bayou Canal. Flood damages in this area are associated with major rain events and/or higher than normal tides. Floodplain land acquisition along with the ongoing canal dredging project will improve flood level of service, remove repetitive loss area properties, and eliminate the hurricane evacuation zone A category.</p> <p>Acquisition of four target properties within repetitive loss areas within these watersheds is requested for this project. The acquired properties will be incorporated into proposed and ongoing flood and water quality mitigation within these watersheds to further increase flooding level of service in vulnerable, low income, and underserved communities./1</p>	\$13,284,224	Currently Unfunded	RESTORE Act Spill Component - Gulf Consortium, Hazard Mitigation Grant Program (FDEM), General Fund	5/22/2024	3/21/2024	Natasha Dickrell
1097	Pinellas County/Housing and Community Development	Acquisition of repetitive loss properties for flood mitigation within Tinney Creek Swamp	The proposed project involves the restoration of the Tinney Creek Swamp Watershed. This floodplain restoration and mitigation project includes the acquisition of a mobile home community in a low area and the restoration of over 8 acres back to its natural state. The property has been subject to repetitive flooding and experienced significant flooding during Hurricane Idalia. This project will allow the restoration of the property and will provide areas for natural floodplain functions, including additional floodplain storage, water quality treatment, addition of habitat, and recreational features./1	\$7,700,000	Currently Unfunded	Local, HMGP	5/22/2024	3/22/2024	Scott Swearingen/Glenn Bailey
960	Pinellas County / Public Works	Repetitive Loss Area Analysis and Mitigation Projects Evaluation	Develop a detailed mitigation plan for repetitive loss areas and identify potential mitigation projects, develop scopes of work, budgets, and cost-benefit analyses for each. Estimated completion time: less than one year	\$25,000	Currently Unfunded	Surface Water Assessment and HMGP	1/17/2024	10/25/2017	Lisa Foster
1205	Pinellas County / Public Works	Floodplain models for extreme events	Develop a simplified rain-on-grid family of storms flood models to see predicted inundation from severe rain events (exceeding standard 100 year event) for improved flood warning and response.	\$225,000	Currently Unfunded	Surface Water Assessment and HMGP	1/17/2024	12/19/2018	Lisa Foster
1197	Pinellas County / Public Works	Real-time flood forecasting	Develop a real-time flood forecasting model to predict flooding from NWS rainfall and NOAA tide predictions for improved flood warning and response.	\$500,000	Currently Unfunded	Surface Water Assessment and HMGP	1/17/2024	12/19/2018	Lisa Foster
1205	Pinellas County / Public Works	Rain and stream gage data correlation with flooding	Develop rain and stream gage data correlation to predict flooding in vicinity of existing stream gages and develop response procedures for gage levels at each location for improved flood warning and response.	\$150,000	Currently Unfunded	Surface Water Assessment and HMGP	1/17/2024	12/19/2018	Lisa Foster

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981	Pinellas County / Public Works	Whitney Road and Wolford Road intersection and Roadway Improvements (002109A)	Whitney Road and Wolford Road intersection and Roadway Improvements (002109A) / 1: The existing stormwater infrastructure system will be upgraded and expanded to address flooding.	\$10,978,000	FY23-FY29 / In Progress	Penny for Pinellas, MIF, ARPA	1/17/2024	12/30/2021	Anita Wang
1080	Pinellas County / Public Works	Regional Stormwater Facilities (004126A)	Regional Stormwater Facilities (004126A) - Design and construction of regional stormwater management facility to provide stormwater storage, attenuation and treatment.	\$3,303,000	FY23-FY29 / In Progress	Penny for Pinellas	1/17/2024	12/30/2021	Anita Wang
1026	Pinellas County / Public Works	Drainage Improvements on Pinebrook Canal between 142nd Avenue and Ulmerton Road (002119A)	Drainage Improvements on Pinebrook Canal between 142nd Avenue and Ulmerton Road (002119A)/ Reduce flooding at Pinewood Villas through conveyance improvements. / 1	\$729,000	FY27 / Planned (On Hold)	Partially funded	1/17/2024	12/30/2021	Anita Wang
1080	Pinellas County / Public Works	Lealman Regional Stormwater Facility (003001C)	Lealman Regional Stormwater Facility (003001C) - Design and construct regional stormwater facilities in the Lealman Community Redevelopment Area (CRA) / 1	\$11,734,000	FY23-FY29 / In Progress	Penny for Pinellas, ARPA	1/17/2024	12/30/2021	Anita Wang
1161	Pinellas County / Utilities	Back Up Power and Pumping Equipment for Sewer Pumping Stations	Improve infrastructure resiliency to natural hazards by installing back up power and/or permanent bypass pumping at sewer pumping stations to maintain sewer transmission during emergency events. /4	\$2,500,000	FY18 – FY20 / Unfunded	HMGP, PDM	1/17/2024	12/15/2017	Nory Hancock
978	Pinellas County / Utilities	Force Main Sampling Equipment to Improve Sanitary Sewage Collection Process	The South Cross Bayou Water Reclamation Facility (SCBWRWF) treats sanitary sewage collected from (4) different and independent collection system basins located in southern Pinellas County. There have been occurrences of monitored parameters exceeding the allowable limits in the influent ('hits'). Most recently these have included lead and copper, and other unknown compounds that have caused upsets in the treatment process. Although the County's IPP group is notified, there is no effective mechanism in-place that can quickly help identify the source(s) of these 'hits'. This equipment will help track those sources and potentially prevent them from causing a negative effect on the quality of the treatment process, reclaimed water and surface water discharge. /1	\$450,000	FY19 – FY20 / Unfunded	HMGP	1/17/2024	12/15/2017	Nory Hancock
1118	Pinellas County / Utilities	Drinking Water Facility Security Equipment	Installing additional pan and zoom cameras at drinking water facilities to cover blank areas. Provide remote gate control and install perimeter fencing. /1, 2	\$250,000	FY19 – FY20 / Unfunded	HMGP	1/17/2024	12/15/2017	Nory Hancock
1220	Pinellas County/Utilities	Hardening of North Booster Pump Station	Harden building envelope of major water booster station to withstand hurricane winds. /1,2	\$6,000,000	Currently unfunded	CBDG-MIT, BRIC	1/17/2024		Thomas Menke
1064	Pinellas County	Palm Harbor Community Service Agency-Multi-Use Facility Replacement of Existing Facility	The Palm Harbor Community Service Agency (PHCSA) operates a community center at 1500 16th St. in Palm Harbor. The Center has two buildings which house programs that serve the needs of approximately 62,000 members of the community including senior activities, indoor youth activities, summer camps, event space, community meeting space, instructional space and administrative offices. The original building was built in 1978. It is approximately 9,000 SF and has been retrofitted numerous times to fit the ongoing demands of the community. The facility has outlived its design life and is a candidate for replacement. Currently the project is unfunded but, is programmed in the Penny IV outer years. The site is adjacent to Pinellas County School Board property for Palm Harbor University High School (a designated shelter) and is located in a non-evacuation zone for storm surge. The location of this facility makes it ideal for use as an at risk shelter for hurricanes. If constructed to ARC 4496 standards with backup generation and well capability, this site could provide an additional 800 shelter spaces for general populations during a storm event and be utilized as a step-down shelter post-event for 115 people. The County currently has a shelter deficit for category 4 and 5 storms. After Hurricane Irma it was identified that non-school facilities are needed to be able to move people that still require shelter assistance./1,2	\$8,000,000	Currently Unfunded	Penny for Pinellas IV & HMGP	1/17/2024		Nancy McKibben, MPA, CPM Assistant to the County Administrator Representing the Communities of Unincorporated North County Direct: (727) 464- 4812 Mobile: (727) 409- 0762 Email: nmckibben@pinellas-
1052	Pinellas County	Palm Harbor Community Service Agency-Multi-Use Facility Hardening of Existing Facility	The PHCSA also operates a second, considered the Main building, on the same site - 1500 16th St. in Palm Harbor. The Center offers programs that serve the needs of approximately 62,000 members of the community including senior activities, indoor youth activities, summer camps, event space, community meeting space, instructional space and administrative offices. The Main building was built in 1999. It is approximately 10,000 SF. Recommendations are for the Main Building to serve as a shelter for a tropical storm for up to 300 people or as a step-down shelter for about 100 people. This facility currently has a commercial kitchen with some natural gas powered appliances but would benefit from a generator to supply the lighting, air conditioning, and the remaining kitchen appliances. The site has an irrigation well that, with the appropriate work, could serve as a backup water supply. Window and door protection would enhance the building to reduce damages during a storm and may provide for utilization during hurricanes. This site would be ideal to help support Special Needs populations with the appropriate mitigation./1,2	\$5,500,000	Currently Unfunded	Penny for Pinellas IV & HMGP	1/17/2024		Nancy McKibben, MPA, CPM Assistant to the County Administrator Representing the Communities of Unincorporated North County Direct: (727) 464- 4812 Mobile: (727) 409-
1335	Pinellas County / Public Works / Transportation Division	Stock Generators	A countywide benefit: To assist with the safety and welfare of citizens, the stock generators will provide a temporary, long-term power source to traffic signals throughout the county in the event of a natural disaster or emergency where there is power loss. Generators are utilized for long-term relief for larger intersections that require more power. Additionally, generators will be used as a temporary source of power supply for public works crews who are responding post-storm. 25% match funding could be acquired from Pinellas County Gas Tax. Hazards Addressed: All Hazards 50 Honda EU3000is Super Quiet Light Weight Inverter 3000W 120V Fuel Efficient Generator: http://www.electricgeneratordepot.com/honda-super-quiet-light-weight-inverter-3000w-120v-fuel-efficient-generator-with-parallel-capability-and-oil-alert-5880	\$116,498	Currently Unfunded	HMGP	1/17/2024	5/8/2018	

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1053	Pinellas County / Public Works	Cross Bayou Floodplain Restoration and Mitigation	The Cross Bayou Floodplain Restoration and Mitigation Project includes the acquisition of two properties; the removal of 94 manufactured homes, an office building, and two commercial structures; the removal of all infrastructure associated with the mobile home park and commercial property; and the restoration of over 10 acres into a green space that will provide for floodplain, stormwater, and other ecosystem services, and recreational opportunity. The PreFIRM mobile home park and commercial business to the south were developed in a low lying area along Cross Bayou, a tidally influenced creek in the Cross Bayou watershed. There are 95 structures in the park, including the manufactured homes and office. Over 85% of the mobile home park and the entire commercial lot flood with a mean annual rain event. Over 95% of the park becomes inundated with a 10 year event with depths in areas of the park reaching 3 ft and over 4 ft, respectively. The entire property is inundated with a 100 year storm with depths up to 6 feet in areas. This project will remove 97 structures from the 25, 50, and, 100 year floodplains and restoration of the property will provide areas for natural floodplain functions, including additional floodplain storage, water quality treatment, addition of habitat, and recreational features.	\$5,000,000	Currently Unfunded	HMGF	1/17/2024	5/8/2018	Lisa Foster
1053	Pinellas County / Public Works	Lower Bee Branch Drainage Improvements and Caladesi Repetitive Loss Area Acquisition	The Lower Bee Branch Bypass Drainage Improvements and Caladesi Repetitive Loss Area Acquisition project mitigates hazards from both Inland and Coastal flooding. The project is comprised of structural drainage improvement / stream restoration component (Alternative 3) and a repetitive loss acquisition / water quality pond / natural wetland creation components (Alternative 5) of the attached Drainage Study for Lower bee Branch Bypass. The Lower Bee Branch structural drainage improvements / stream restoration component reduces flooding by as much as 2.6 feet for the 100-year/24-hour freshwater flood event. This is a capital improvement project for a double box culvert structure to bypass flood flows from Bee Branch near the north end of Hidden Brook Drive to downstream of the existing culverts under Pennsylvania Avenue. The box culvert would run under Virginia Avenue and Pennsylvania Avenue staying within existing rights-of-way where possible. The existing stream bed is ecologically restored and will continue to carry normal low-flows. Collectively, drainage system capacity is greatly increased. The estimated cost of the Lower Bee Branch Bypass Drainage Improvements is \$6.5M based on estimate for Alternative 3. The Caladesi Repetitive Loss Area Acquisition component acquires the 5.5 acre Caladesi RV Park property, vacates 6 buildings and approximately 90 mobile home / recreational vehicle from the 100- floodplain and constructs an ecologically enhanced regional retention / water quality treatment pond facility in its place. The pond system will enhance water quality in the estuary through biological nutrient uptake in created wetlands and also capture sediments. The estimated cost of this repetitive loss property acquisition component is estimated as approximately \$2.2M based on estimate for Alternative 5.	\$8,700,000	Currently Unfunded	HMGF	1/17/2024	5/8/2018	Lisa Foster
1179	PC / Public Works	Re-establish Coastal Benchmarks in Pinellas County	There is approximately 23 miles of coastal beach from Pass-a-grille to Sand Key Bridge where most coastal benchmarks with elevations have been destroyed. Estimate approximately \$4,500 per mile to re-establish coastal benchmarks for all 23 miles for a total of approximately \$104,000 (for the survey bench run and bluebooking) plus approximately \$28,000 for the monuments plus project management time. Total estimate \$150k. Funding requested is to start re-establishing benchmarks for 5 to 10 miles along the coast for \$40,000. Further funding would be sought to complete the project over the next several years.	\$150,000	Currently Unfunded	HMGF	1/17/2024	5/8/2018	Rhonda Bowman
1100	Pinellas County / Public Works	Lake Seminole Watershed Management Plan	Evaluate drainage patterns within watershed; identify flooding locations; develop BMPs to address the issues. / 1, 3	300,000	In Progress	Surface Water Utility Fund and SWFWMD CFI Grant	1/17/2024		Anita Wang
1080	Pinellas County / Public Works	Palm Harbor Regional Stormwater Facility Improvements (004243A)	Palm Harbor Regional Stormwater Facility Improvements (004243A): Regional pond for stormwater management including water quality and attenuation.	4,755,000	FY23-FY29 / In Progress	Penny for Pinellas, Grants	1/17/2024		Anita Wang
1073	Pinellas County / Public Works	Stormwater Quality Program PIV (004296A)	Stormwater Quality Program PIV (004296A): Preliminary engineering to identify water quality improvement project opportunities.	1,785,000	FY23-FY29 / In Progress	Penny for Pinellas, Grants	1/17/2024		Anita Wang
999	Pinellas County / Public Works	Stevensons Creek Channel Reconstruction (005541A)	Stevensons Creek Channel Reconstruction (005541A): Channel improvement project for flood reduction and water quality improvements.	4,867,000	FY23-FY29 / In Progress	Penny for Pinellas, Grants	1/17/2024		Anita Wang
969	Pinellas County / Public Works	Spring Branch Floodplain Preservation and Habitat Improvement Area (005542A)	Spring Branch Floodplain Preservation and Habitat Improvement Area (005542A): Spring Branch watershed habitat /water quality improvement project.	706,000	FY28 / Planned	On Hold	1/17/2024		Anita Wang
981	Pinellas County / Public Works	Sutherland Area Drainage Improvements (005585A)	Sutherland Area Drainage Improvements (005585A): Neighborhood drainage improvement project.	4,063,000	FY23-FY29 / In Progress	Penny for Pinellas, Grants	1/17/2024		Anita Wang
992	Pinellas County / Public Works	Pinellas Trail Green Infrastructure at Wall Springs Park (005586A)	Pinellas Trail Green Infrastructure at Wall Springs Park (005586A): Water quality improvement project.	768,000	FY23-FY29 / In Progress	Penny for Pinellas, Grants	1/17/2024		Anita Wang
1040	Pinellas County / Public Works	Bee Branch Erosion Control - Omaha to Outfall (005587A)	Bee Branch Erosion Control - Omaha to Outfall (005587A): Channel improvement project for flood reduction and water quality improvements.	4,654,000	FY23-FY29 / In Progress	Penny for Pinellas, Grants	1/17/2024		Anita Wang
1004	Pinellas County / Public Works	Lealman Drainage Improvements (006028A)	Lealman Drainage Improvements (006028A): Drainage improvements on and around 33rd Way N and 33rd St N in Lealman.	489,000	FY23-FY29 / In Progress	Partially funded, ARPA	1/17/2024		Anita Wang
1004	Pinellas County / Public Works	Riverside Dr Drng Imp (sub-project 001037B)	Riverside Dr Drng Imp (subproject 001037B)	500,000	FY23-FY29 / In Progress	Partially funded	1/17/2024		Anita Wang
1062	Pinellas County / Public Works	Allen's Creek Ch 5 - Belleair (sub-project 001221A)	Allen's Creek Ch 5 - Belleair (sub-project 001221A)	700,000	FY23-FY29 / In Progress	Partially funded	1/17/2024		Anita Wang
1004	Pinellas County / Public Works	Bogie Lane Drainage Imp (sub-project 003132A)	Bogie Lane Drainage Imp (Sub-project 003132A)	600,000	FY23-FY29 / In Progress	Partially funded	1/17/2024		Anita Wang
1004	Pinellas County / Public Works	Curtis Drive Drainage Improvements (sub-project 004511A)	Curtis Drive Drainage Improvements (Sub-project 004511A)	900,000	FY23-FY29 / In Progress	Partially funded	1/17/2024		Anita Wang
1004	Pinellas County / Public Works	Wayfair Court Drainage Improvements (Florida Ave) (sub-project 004510A)	Wayfair Court Drainage Improvements (Florida Ave) (sub-project 004510A)	400,000	FY23-FY29 / In Progress	Partially funded	1/17/2024		Anita Wang
1004	Pinellas County / Public Works	86th Ave N Drainage Improvements (sub-project 004533A)	86th Ave N Drainage Improvements (sub-project 004533A)	200,000	FY23-FY29 / In Progress	Partially funded	1/17/2024		Anita Wang
1004	Pinellas County / Public Works	Imperial Point Sub Drainage Improvements (sub-project 004509A)	Imperial Point Sub Drainage Improvements (sub-project 004509A)	500,000	FY23-FY29 / In Progress	Partially funded	1/17/2024		Anita Wang
1133	PC / Transportation Division of Public Works	Dunedin Causeway Bridges Project	The bridge, located off of S.R. 586 is the sole connection of the City of Dunedin to Honeymoon Island State Park and residential living. The bridge is also an evacuation route. The bridge past its design and useful life. Needs replacing. Both bridges were constructed in 1963.	\$112 Million	\$70 Million Unfunded \$49 Million Funded FY 24-FY 29	Partially funded Penny for Pinellas	1/17/2024		Joan Rice

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1106	PC / Transportation Division of Public Works	San Martin Bridge	The bridge is located over Riviera Bay, from Tallahassee Drive to Weedon Drive in St. Petersburg. The project includes trail improvements to enhance travel for all modes of transportation. Bridge is past its design and useful life. Needs replacing. The bridge was constructed in 1962.	Design - \$2M Construction - \$18M	FY 24-FY 29 Funded	Penny for Pinellas	1/17/2024		Joan Rice
1146	PC / Transportation Division of Public Works	Beckett Bridge	The bridge, located over Whitcomb Bayou in the city of Tarpon Springs, connects residents to the evacuation route of alt U.S. 19. Construction and replacement of bridge that is past its useful life. Originally constructed in 1956.	\$22 Million	FY 24-FY 29 Funded	Impact Fees and Penny for Pinellas	1/17/2024		Joan Rice
1134	PC / Transportation Division of Public Works	13th Street / Sands Point Drive Bridge	The bridge, located in the unincorporated area of Tierra Verde (TV), connects the TV community to the evacuation routes of the Pinellas Bayway (State Highway 679). Bridge its past is design and useful life. Needs replacing. Built in 1957.	\$11.7 Million	FY 24-FY 29 Funded	Funding could potentially come from the Capital Improvement Program within the Infrastructure Sales Tax (Penny for Pinellas)	1/17/2024		Joan Rice
1134	PC / Transportation Division of Public Works	Madonna Blvd Bridge over Pine Key	The bridge, located in the unincorporated area of Tierra Verde (TV), connects the TV community to the evacuation routes of the Pinellas Bayway (State Highway 679). Bridge its past is design and useful life. Needs replacing. Built in 1957.	\$12 Million	FY 24-FY 29 Funded	Funding could potentially come from the Capital Improvement Program within the Infrastructure Sales Tax (Penny for Pinellas)	1/17/2024		Joan Rice
1161	PC / Transportation Division of Public Works	Orange Street Bridge	The bridge, located near an evacuation route on Alt. U.S. 19 in the unincorporated area of Palm Harbor, connects Ozona community to the evacuation routes of Alt. U.S. 19 and Tampa Road. The bridge is past its design and useful life. Needs replacing. Built in 1923.	\$2.5 Million	Currently Unfunded	Funding could potentially come from the Capital Improvement Program within the Infrastructure Sales Tax (Penny for Pinellas)	1/17/2024		Joan Rice
1215	PC / Transportation Division of Public Works	Shore Blvd Bridge	The bridge, located along an evacuation route on S.R. 580 in the city of Safety Harbor, connects the countryside area of the county with Oldsmar and East Lake. The bridge is past its design and useful life. Needs replacing. Built in 1923.	\$2.5 Million	Currently Unfunded	Funding could potentially come from the Capital Improvement Program within the Infrastructure Sales Tax (Penny for Pinellas)	1/17/2024		Joan Rice
1272	PC / Transportation Division of Public Works	Span Wire Intersection Replacement Program/Traffic Signal Hardening (24 Locations - see project list PDF)	Replacement of existing span wire intersections with mast arms made of galvanized steel. Intersections are along major evacuation routes throughout Pinellas County. 24 intersections in need of funding, at approximately \$800k per intersection for construction. Estimated completion time: more than 12 months. This project is a countywide benefit; by having a more robust system in place this will improve the safe, efficient flow of traffic countywide in the event of a storm or flood. Traffic signals hung by span wire are susceptible to damage or falling due to strong wind. The fall of span wire results in traffic signals becoming inoperable and potentially blocking vehicle access on the road. Mast arm signals in place of span wire at these intersections located on evacuation routes will allow for the roads to remain open and for emergency personnel to have better access to support citizen needs.	Estimated average cost of \$1.1M per intersection for construction. (24 total intersections). Total approx. project cost estimate for 9 of these intersections that are currently prioritized for implementation - \$5,815,203.13	Currently Unfunded (24 intersections)	Potential match funding from the Capital Improvement Program PID 004152A Intersection Program	1/17/2024		Joan Rice
1325	PC / Transportation Division of Public Works	Building 5 Upgrades at Public Works Campus	Requested funding of \$3.75 million to elevate and reconstruct the building as a Category 5 facility that can provide emergency operations countywide and be habitable by staff. Elevating and reconstructing the building will alleviate future repetitive loss.	\$3.75 Million	Currently Unfunded	Funding could potentially come from the Capital Improvement Program within the Infrastructure Sales Tax (Penny for Pinellas)	1/17/2024		Joan Rice
942	Pinellas Park / City of Pinellas Park Public Works Department	Stormwater Project: 60th St Roadway, Utilities & Drainage Improvements	Construction of a drainage improvement project and related infrastructure along 60th Street N. from 102nd Avenue N. to 110th Avenue N., including culverting existing ditches, installing sidewalks, widening the road, adding bike lanes, replacement of an existing asbestos concrete potable water main with a new 6" PVC main, and reconstruction of existing roadway. This project is being moved to funded in the City's upcoming budget for Fiscal Year 2023-2024. /1	\$3,220,000	Design phase funded FY 22/23. Construction phase currently unfunded.	IST, CDBG, FDEP, Stormwater Utility Fee	1/17/2024	12/10/2018	Tiffany Menard

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1199	Pinellas Park /City of Pinellas Park Fire Department	Fire Station 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	\$5,000,000	Currently unfunded	EMPATF, HMGP; PDM Program; & local funds	1/17/2024	10/24/2017	Tiffany Menard
1199	Pinellas Park /City of Pinellas Park Fire Department	Fire Station 35	Remodel of fire station for training facility ./4	\$3,000,000	Currently unfunded	IST, Pinellas County, HMGP, FEMA Grant, Local coffers	1/17/2024	12/10/2018	Tiffany Menard
1068	Pinellas Park / City of Pinellas Park Public Works Department	Park Station Hardening and Generator	HMGP 4337-337-R (State ID #588 / Contract #H0486) Park Station is a critical asset to the community and is essential to providing continued services before, during, and after a disaster. In an effort to protect property and become a more disaster resilient community, the proposed project includes hardening of Park Station to include the roof, opening protection, and installation of a permanent generator.	\$825,000	Project approved & contract signed with FDEM. Selection process underway for engineering consultant.	HMGP	1/17/2024	12/10/2018	Tiffany Menard
1061	Pinellas Park / City of Pinellas Park Public Works Department	Barbara S. Ponce Library Hardening and Generator	(HMGP 4337-590) Hardening of Barbara S. Ponce Library to include roof, walls, opening protection and installation of a permanent generator. Project combined with HMGP 4337-503-R / State ID #589)	\$1,075,000	Combined with HMGP 4337-503 (State ID #589) Public Facilities Wind Retrofit and Generator.	HMGP	1/17/2024	11/27/18	Tiffany Menard
1124	Pinellas Park / City of Pinellas Park Public Works Department	Twelve Public Facilities Wind Retrofit and Generator (formerly Installation of Shutters at City Buildings) (Combined with Barbara S. Ponce Library Hardening and Generator)	HMGP 4337-503-R (State ID#589) The proposed project will consist of hardening windows and doors at twelve City-owned properties through the installation of shutters. Additionally, the Barbara S. Ponce Library (formerly a separate project) will undergo hardening to include wind mitigation to the roofing system (anchoring and fastening), water barrier activities, and the installation of a permanent generator. (Separate projects were combined following FDEM and FEMA review: HMGP-4337-589 Shutter Installation and HMGP-4337-590 Barbara S. Ponce Library Retrofit and Generator Installation into the current project HMGP-4337-503-R Twelve Public Facilities Wind Retrofit and Generator.)	\$1,362,920	Project approved by FEMA / contract pending.	HMGP	1/17/2024	11/27/18	Tiffany Menard
890	Pinellas Park / City of Pinellas Park Fire Department	Community Emergency Response Team (CERT).	Supply CERT Training to 60 trainees. Estimated completion time: less than 12 months. / 4 ; Project still under consideration. Time frame unknown. To be determined by funding availability and community interest.	\$30,000	Currently Unfunded. Time frame unknown.	EMPATF, HMGP; PDM Program, and local funds (i.e., Penny for Pinellas)	1/17/2024	11/27/2018	Tiffany Menard
1020	Pinellas Park / City of Pinellas Park Public Works Department	Fairlawn Subdivision Drainage Improvements	(Phase 1 & 2) 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	3,500,000	Currently unfunded / FY 21/22 to FY 25/26.	Local Funds, SWFWMD Grant, EMPATF, HMGP; PDM CDBG.	1/17/2024	12/10/2018	Tiffany Menard
816	Pinellas Park / City of Pinellas Park Public Works Department	Jan Cory Subdivision Infrastructure Improvements	Design and construct a drainage system within the subdivision which would include improving rural roads to provide curbing, culverting open conveyance systems, road improvements, sidewalk, and utility relocation and upgrades.	\$4,580,000	Currently unfunded / FY 21/22 to FY 25/26.	Local Funds, SWFWMD Grant, EMPATF, HMGP; PDM CDBG.	1/17/2024		Tiffany Menard
861	Pinellas Park / City of Pinellas Park Public Works Department	Garnett Subdivision Drainage Improvements (Phase 2)	Garnett & North Disston Subdivisions - 40 acre +/- tract situated between 82nd Avenue 86th Avenue & 46th Street, 49th Street. Phase II project will improve drainage to the Garnett Subdivision and mitigate roadway ponding and flooding that occurs within this subdivision. Project includes 46th Street, 47th Street, 87th Avenue, 87th Terrace, and 88th Avenue; mills and repave 88th Avenue; total rebuild on 46th Street, 47th Street, 87th Avenue and 87th Terrace; update sidewalks to ADA standards in project area. Construction of a drainage improvement project and related infrastructure within the Garnett subdivision. This includes new drainage, utilities, sidewalk, curb, and roadway infrastructure. This project is listed in the LMS with a total project cost of \$2,035,000.00. Due to inflation and economic changes in the market, the expected cost of this project is \$2,830,000.	\$2,830,000	Project funded FY 21/22 to FY 25/26 CIP / Applying for HMGP FY 24/25 for construction funds / Under review by FDEM	CDBG, Stormwater fee	1/17/2024		Tiffany Menard
970	Pinellas Park / City of Pinellas Park Public Works Department	Public Safety Complex - Police and Fire Administration and Emergency Operations Center	Design, engineer, construct and equip Fire and Police Administration Public Safety Complex and Emergency Operations and Command Center. This centralized complex would combine facilities for Police Department and Fire Administration. The structure will be built to withstand natural threats, allow for centralized communications and operations, reduce costs and increase the efficiency of coordination between these entities. The complex will also serve as the first responders Emergency Operations Center and a secondary EOC for city operations.	\$23,000,000	Design and Site Prep: FY 21-22. Construction phase anticipated FY 22/23.	Bond Funds / Infrastructure Sales Tax	1/17/2024		Tiffany Menard

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1322	Pinellas Suncoast Fire & Rescue District	Generator power for interim EOC	Two of the District's three fire stations are in a Level A evacuation zone in Pinellas County. The fire district does not have an Emergency Operations Center (EOC) and evacuations of fire stations and fire department administration requires all district operations move to a remote site located at the Indian Rocks Christian School. While this site is rated for Category 5 hurricane winds, the site does not have back-up power. The above project will place a generator and automatic power switch will enable uninterrupted emergency operations during and after a storm, making the fire district more disaster resilient.	\$278,978	Currently Unfunded	HMGF	1/17/2024	5/8/2018	Todd Best, District Chief, Pinellas Suncoast Fire Rescue
1223	Pinellas Suncoast Fire & Rescue District	Construction of new fire station to meet current building standards in alternate location	Current fire station does not meet building standards. Natural disasters, such as hurricanes require district personnel, i.e. firefighters and paramedics to evacuate to a safer location. Evacuation of personnel and equipment significantly delays response to emergencies during and after storms or other disasters. Construction of a fire station meeting current building standards will allow emergency personnel to remain in the fire station during and after a storm, thereby improving response times and service to four barrier island communities and unincorporated mainland area.	\$4,000,000	Currently Unfunded	PDM	1/17/2024	5/8/2018	
1311	REBUILD Northwest Florida, Inc.	Statewide Residential Wind Retrofit Project	REBUILD proposes to provide wind retrofits include protection for (1) roof-to-wall connections; (2) gable end bracing/sheathing; (3) opening protection and (4) other critical structural strengthening as determined a structural engineer for up to 3,000 homes in Pinellas County	\$30,000,000	Currently Unfunded	HMGF	1/17/2024	7/13/2018	Chris Moore
929	Redington Beach / Public Works	Rebuild Public Works Facility	The current Public Works facility does not meet current building codes as it was built in the 1940s. It is not rated for hurricane winds and is in a special flood hazard area. The building is not hardened and has significant space utilization issues. / 1, 2	2,500,00	Currently Unfunded	EMPATF, HMGF, Local	1/17/2024		Adriana Nieves
918	Redington Beach /Clerk's Office	Mitigate Repetitive Loss Properties	Requesting funds for the mitigation of noncompliant repetitive loss properties and pre-FIRM structures that are floodprone or at high risk/exposure to being flooded or experience wave action/erosion. / 1	\$1,500,000	Currently Unfunded	FMA	1/17/2024		Adriana Nieves
783	Redington Beach / Engineering	Underground Utilities	Place underground utilities along the west side of Gulf Boulevard from 155th Ave to 164th Ave. Estimated completion time: more than 12 months. / 2	\$4,000,000	Currently Unfunded	Penny for Pinellas	1/17/2024		Adriana Nieves
783	Redington Beach / Engineering	Underground Utilities	Place underground utilities along all interior streets east of Gulf Blvd. Estimated completion time: more than 12 months. / 2	\$2,000,000	Currently Unfunded	Penny for Pinellas	1/17/2024		Adriana Nieves
1146	Redington Beach / Public Works	EOC Generator	Purchase and installation of new portable generator at Redington Beach Town Hall / Emergency Operations Center. The Town of Redington Beach is seeking funds that will provide an alternate electrical power source capable of running Town Hall AC system as well as sufficient outlets to run additional equipment in the event of a power failure.1/2/4	\$3,000	Currently Unfunded	Local	1/17/2024		Adriana Nieves
782	Redington Beach / Engineering	Road Milling / Resurfacing	Road deterioration causes safety hazards and negatively impacts the attractiveness of the neighborhood. This project includes continuation of street milling and resurfacing, and includes updating the drainage system in the areas resurfaced. / 3	\$1,200,000	FY 23-24	SWFMD, local, FDOT	1/17/2024		Adriana Nieves
1080	Redington Beach / Public Works	Stormwater Backflow Valve	Minimize flooding in the town's flood - prone areas. These areas frequently flood during major rain events and high tide. Clean stormwater pipes in entire Town, including video and mapping of stormwater pipes. Install backflow valves in the Town's 33 outfalls. Phase 1 complete - 15 valves installed, all pipes clean and mapped.	\$157,000	FY 24-25	TBEP Grant, Local	1/17/2024		Adriana Nieves
828	Redington Beach / Clerk's Office	Security Improvements to Town Hall	Replace exterior doors at Town Hall and install cameras for improved security. Install television and cable access for increased awareness in the event of weather or security events.	\$100,000	Currently unfunded	Local	1/17/2024		Adriana Nieves
941	Redington Beach / Engineering	Causeway Improvements	Raise 161st Avenue between Redington Drive and 4th Street to decrease frequency of flooding	\$2,000,000	Currently unfunded	HMGF, local	1/17/2024		Adriana Nieves
1022	Redington Beach / Public Works	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	\$9,000	Currently Unfunded	Local	1/17/2024		Adriana Nieves
1175	Redington Shores / Public Works	Lift Station Portable Emergency Generators	Lift Station Portable Emergency Generators- Purchase 4 trailer mounted 90k W/3 phase portable generators. These generators would be used to maintain operation of sewer lift stations during power outages. Estimated cost of project: \$150,000. Location of the 4 generators are 17595 186th Ave. E., 480 180th Ave E., 181st Ave. W/ Gulf Blvd.,178th Ave W./ Gulf Blvd./4	\$108,600	Partial funding from town.	Funding by the City/Town or County, HMGF	5/22/2024	1/20/2021	Mike McGlothlin
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	1/17/2024	8/30/2016	Mike McGlothlin
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; HMGF; Nonpoint Source Implementation Grants; HMGF Planning	1/17/2024	8/30/2016	Mike McGlothlin
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	East Side Copleted	CDBG, Penny 4 Pinellas	1/17/2024	12/17/2018	Mike McGlothlin
960	Redington Shores / Public Works	Stomwater master improvement plan	Develop a SLR and master plan for upgrade and improvement of the town's entire stormwater system.	\$150,000	Town funded	local	1/17/2024	11/1/2021	Mike McGlothlin

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1146	Redington Shores / Public Works	Stormwater Infrastructure Improvements	Stormwater Infrastructure Improvements- In conjunction with developing a SLR and a Stormwater Master Plan for the town's entire stormwater system, upgrade 17 of the town's 216 stormwater outfalls that have been identified as those in most critical need of improvement. Estimated cost of project: \$425,000./1	\$426,194	Currently Unfunded	HMGF, Town of Redington Shores	5/22/2024	12/1/2021	Mike McGlothlin
1140	Safety Harbor / Public Works	Library Lift Station Repair	Complete renovation of Sanitary Sewer Liftstation. Failure of this lift station would not only impact the delivery of sanitary sewer service but could also lead to backup of sewage into homes and overflow into Tampa Bay.	\$75,000	FY26/27	Local funding	1/17/2024		Cecilia Chen
1176	Safety Harbor / Public Works	Gulf Machinery Station Repair	Complete Renovation of Sanitary Sewer Lift Station. / 1,2	\$85,000	FY24/25	Local funding	1/17/2024		Cecilia Chen
1270	Safety Harbor / Public Works	Harbor Woods Lift Station Repair	Complete Renovation of Sanitary Sewer Lift Station. / 1,2	\$85,000	FY22/23	Local	1/17/2024		Cecilia Chen
1007	Safety Harbor / Fire Department	Fire Station Needs Analysis	Conduct a station needs analysis from a reputable third-party to identify short-, mid-, and long-term repair and maintenance plans, as well as remodeling plans, to ensure safe and resilient fire stations for the response community. Such analysis should ascertain strategies to ensure the fire station remains open and useable by response personnel during local disasters such as storms and flooding, as well as to identify code compliance issues and remedies for long term sustainability.	\$65,000	FY25/26	Unfunded Local	1/17/2024		Cecilia Chen
1142	Safety Harbor / Fire Department	Fire Station Apparatus Bay Door Hardening	Replace all fire station apparatus bay doors with wind-load rated doors, and new components, to assist in continuity of operations for the community. The fire stations in Safety Harbor house needed emergency response units that respond to and assist at medical and fire emergencies within mid- and north-Pinellas County. This project will assist the department in hardening their structures to resist high winds during severe storms.	\$190,000	FY23-FY28	Local	1/17/2024		Cecilia Chen
944	Safety Harbor/Engineering	2nd St. S/6th Ave. Improvements	Grade/Pave intersections to alleviate stormwater flooding and create positive drainage toward existing inlet./1	\$100,000	FY23/24	Local	1/17/2024		Cecilia Chen
989	Safety Harbor/Public Works	Drainage Operations	Pond and Creek Dredging/Maintenance – Removing heavy sediment to improve stormwater flow and alleviate ponding/flooding./1, 3	\$50,000	FY23/24	Local	1/17/2024		Cecilia Chen
1176	Safety Harbor/Public Works	Master Lift Station Repair – Pump #2	Replace Pump #2 at the Master Pump Station./1, 4	\$80,000	FY22/23	Local	1/17/2024		Cecilia Chen
1176	Safety Harbor/Public Works	Master Lift Station Repair – Pump #1	Replace Pump #1 at the Master Pump Station./1, 4	\$80,000	FY22/23	Local	1/17/2024		Cecilia Chen
1092	Safety Harbor/Public Works	Portable Generator #617	The generator protects spillage of raw sewage.	\$26,300	FY23/24	Local	1/17/2024		Cecilia Chen
1092	Safety Harbor/Public Works	Portable Generator #631	The generator protects spillage of raw sewage.	\$75,000	FY23/24	Local	1/17/2024		Cecilia Chen
1070	Safety Harbor/Public Works	Portable Generator #608	The generator protects spillage of raw sewage.	\$110,000	FY24/25	Local	1/17/2024		Cecilia Chen
1070	Safety Harbor/Public Works	Stormwater Pipe lining	Pipe Lining: Annual program to replace/line inadequate or deteriorating stormwater conveyance systems. /4	\$650,000	FY22-FY27	Local	1/17/2024		Cecilia Chen
1070	Safety Harbor/Public Works	Stormwater Master Plan	Evaluate drainage patterns within watershed; identify flooding locations; develop BMPs to address the issues. / 1, 3	\$250,000	FY25/26	50%CFI, 50% Local	1/17/2024		Cecilia Chen
933	Safety Harbor/Public Works	Vulnerability Assessment	Evaluate and identify critical assets that are vulnerable to flooding, develop BMP to address issues/1	\$175,000	FY24/25	100% State	1/17/2024		Cecilia Chen
1062	Safety Harbor/Engineering	6th St N at 6th Ave N Intersection Improvements:	Grade/Pave intersection to alleviate stormwater flooding and create positive drainage toward existing inlet./1	\$92,000	FY23/24	Local	1/17/2024		Cecilia Chen
948	Safety Harbor/Public Works	Huntington Lift Station Rebuild	Replace Pumps at the Huntington Lift Station.	\$160,000	FY23/24	Local	1/17/2024		Cecilia Chen
869	Safety Harbor/Engineering	Bishop and Mullet Creek Improvements	Evaluate drainage patterns within watershed; identify flooding locations; develop BMPs to address the issues. / 3	\$1,200,000	FY23/24	Local	1/17/2024		Cecilia Chen
941	Safety Harbor/Engineering	2nd St N at 2nd Ave N drainage improvements	Grade/Pave intersection to alleviate stormwater flooding and create positive drainage toward existing inlet. / 1	\$90,000	FY23/24	Local	1/17/2024		Cecilia Chen

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971	Safety Harbor/Engineering	9th Ave S at 2nd St S intersection drainage improvements	Grade/Pave intersection to alleviate stormwater flooding and create positive drainage toward existing inlet. / 1	\$92,000	FY24/25	Local	1/17/2024		Cecilia Chen
1070	South Pasadena/Fire Department	City Hall Emergency Generator with Transfer Switch and Platform	The City of South Pasadena City Hall Complex is currently without emergency backup power. The City Hall Complex is a two-story building with a community center on the first floor and the commission chambers, city server room, administrative offices and elected official offices on the second floor. This project would include the purchase and installation of a permanent diesel- powered emergency generator and automatic transfer switch. The generator and transfer switch would be built on an elevated platform above BFE.	\$412,500	Application submitted HMGP Jan	Pre-Disaster Mitigation (PDM), Hurricane Program, Penny Sales Tax	1/17/2024		David Mixson
1029	South Pasadena/Public Works	Public Work Annex Generator and Platform	The City of South Pasadena Public Works Annex Building is currently without dedicated emergency backup power. The Public Works Annex Building houses machinery and equipment that is vital for road clearing, debris removal critical infrastructure assessment post storm. This project would include the purchase and installatoin of a permanent diesel powered emergency generator. The generator would be built on an elevated platform above BFE.	\$275,225	Currently Unfunded; Project for FY 2023	Pre-Disaster Mitigation (PDM), Hurricane Program, Penny Sales Tax	1/17/2024		David Mixson
1284	South Pasadena / Fire Department	Fire Station #20	The City of South Pasadena will construct a new fire station designed to withstand hazards posed by hurricanes, to include wind, storm surge and flooding, as well as threats posed by future sea-level rise. The City of South Pasadena is located in a FEMA AE-12 Flood Zone. The City of South Pasadena per city ordinance has increase the B.F.E. by 2 feet and as such the new fire station shall be constructed at 14 feet above sea level. The new fire station will house apparatus and personnel assigned to both fire suppression and emergency medical response activities. Part of the station design and scope will include an Emergency Operations Center (EOC) for the City of South Pasadena. Natural Hazards Addressed include: 1 - Flooding, 2 - Storm Wind, 4 - All Hazards.	\$10,200,000	Expected completion date May 15, 2024	Pre-Disaster Mitigation (PDM), Hurricane Program, Penny Sales Tax	1/17/2024	10/10/2017	David Mixson
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	1/17/2024		
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	1/17/2024		
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	1/17/2024	10/3/2017	Lynn Rosetti
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	1/17/2024	10/3/2017	Lynn Rosetti
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	1/17/2024	10/3/2017	Lynn Rosetti
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		1/17/2024	10/3/2017	Lynn Rosetti
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 community. By developing strategies to prevent this, the city will reduces the threat level of flooding and erosion. / 1	\$40,000	Currently Unfunded		1/17/2024	10/3/2017	Lynn Rosetti
1313	St. Pete Beach	Stormwater Improvements per Stormwater Asset Management Plan	Ongoing improvements to the City's stormwater infrastructure. Repair locations are prioritized based on stormwater flooding throughout the City./1	\$3,000,000	\$ 600,000 annually 2018-2022	Stormwater Fund, HGMP, SWFWMD.	1/17/2024	10/3/2017	Lynn Rosetti
1119	St. Pete Beach	Seawall Rehabilitation - Community Center Seawall and Living Shoreline Project	Seawall repair and replacement in accordance with established level of service. City staff review inventory and prioritize project locations annually./3 The purpose of this project is to design and construct a living seawall for the replacement of the seawall located at the St. Pete Beach Community Center - 7701 Boca Ciega Drive, St Pete Beach, FL 33706, within the City of St. Pete Beach limits and Pinellas County. The subject project is located in Pinellas County at Parcel Identification Number 36-31-15-77988-000-0010. The seawall will protect the city, its residents and developed properties from the impacts of sea level rise - including flooding and severe storms. The project includes approximately 960 linear feet of environmental services, shoreline design and construction consisting of a multi-faceted approach to include seawall repairs and living shoreline construction, utilizing a mix of gray materials (rip-rap, repaired seawall, revetments, oyster shells, etc.) and green materials (native coastal plants, mangroves, etc.) that appropriately compliment the site conditions. This project is critical to the City of St. Pete Beach and its residents. The nearly 1000' of seawall that is currently located at the site is not sufficient to protect city resources and will not protect public resources as the area experiences sea level rise. This site is located at the base of the Corey Causeway (75th Ave), which is the main ingress and egress to the City. In a significant storm with high tide and a storm surge, water could easily impact the main roadway to the Island. Further, the seawall is immediately adjacent to the City of St. Pete Beach Community Center where many important city services are provided to residents (after school programs, summer camps and family recreation). The City's police and fire boats are docked at the site. Public Works, with significant heavy equipment necessary to recovery after a storm, is located within one block. The Parks Department keeps heavy equipment at the site too. Flooding is already an issue at the site. Recently the pool at the Community Center was damaged by flooding. Without seawall improvements, flooding will increase and City resources will be at risk. The project will design a living seawall that will protect valuable residential and commercial structures, and the underlying real estate, against damages from rising sea levels and increasing storm intensities. / 1.3	\$1,500,000	Currently Unfunded	Capital Projects Fund, HMGP	1/17/2024	10/3/2017	Lynn Rosetti
1029	St. Pete Beach	Sub-Aqueous Condition Assessment	Condition assessment of all force mains to plan future maintenance and replacement in order to prevent sanitary sewer overflows (SSOs) into bodies of water that surround the island. Project includes a highly detailed assessment of the force main leading from pump station no. 1./1	\$175,000	Less than 12 months	Wastewater Fund	1/17/2024	10/3/2017	Lynn Rosetti

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1073	St. Pete Beach	Gulf Boulevard Electric Undergrounding	Undergrounding of electric utility lines adjacent to Gulf Boulevard./2	\$4,500,000	More than 12 months	Penny for Pinellas, Interlocal Agreement with Pinellas County	1/17/2024	10/3/2017	Lynn Rosetti
1091	St. Pete Beach	Dune Walkover Replacement	Dune walkover replacement at 12th Avenue and 16th Avenue to meet FDEP requirements and increase resiliency by increasing the height of the walkover to permit the dunes to grow./1,3	\$120,000	Less than 12 months	Grant from Pinellas County	1/17/2024	10/3/2017	Lynn Rosetti
1142	St. Pete Beach	Alley Improvements	Replacement of the existing eastern north-south shell alley between 21st and 22nd Avenue in Pass-a-Grille with a new concrete alley, designed to convey stormwater to the newly installed stormwater collection system on Pass-a-Grille Way./1	\$100,000	18 months	Capital Projects Fund	1/17/2024	10/3/2017	Lynn Rosetti
1169	St. Pete Beach	Blind Pass Stormwater Basin Connections	The Blind Pass Road stormwater system is designed to connect 7 flood control basins. This project will connect the first basin to the new twin 60' stormwater pipes. Anticipated project schedule includes one basin per year for the next 7 years until the project is complete. /1	\$1,400,000	7 years	Stormwater Fund, SWFWMD	1/17/2024	10/3/2017	Lynn Rosetti
1080	St. Pete Beach	Boca Ciega Drive Street Rehabilitation and Stormwater Improvements	Improvements in stormwater basin 6F identified in the Stormwater Master Plan. This basin contains 5.8 acres in a residential zone and comprises the east end of Boca Ciega Isle./1	\$350,000	18 months	Stormwater Fund	1/17/2024	10/3/2017	Lynn Rosetti
1152	St. Pete Beach	GIS Integration System	Camera system integrated with GIS mapping for exact pipe and infrastructure location. Software system integrates with the Work Order Management System for mapping maintenance./1	\$80,000	18 months	Stormwater Fund	1/17/2024	10/3/2017	Lynn Rosetti
1047	St. Pete Beach	Pump Replacement Stock	"Change out" pumps reduce service interruption, the likelihood of SSOs, and the associated emergency maintenance cost. One surplus pump for each of the five different types currently in service will be acquired. /4	\$120,000	Less than 12 months	Wastewater Fund	1/17/2024	10/3/2017	Lynn Rosetti
1101	St. Pete Beach	Valve Vault Repair	The combined valve vault where the outflow from the Cities of Treasure Island and St. Pete Beach enter the City of St. Petersburg's wastewater system are frozen in the open position. This project will install a new 20-inch valve to help reduce the possibility of SSOs./4	\$310,000	24 months	Wastewater Fund	1/17/2024	10/3/2017	Lynn Rosetti
966	St. Pete Beach	Wastewater Inflow and Infiltration Repairs	Priority-based improvements to wastewater system infrastructure to help reduce the possibility of SSOs. The City received a system-wide inflow and infiltration study in fiscal year 2017, which prioritizes manhole, lining, and pipe point repairs./4 This program has been highly successful to date, with a 14.9% reduction in sewer flows experienced over the last seven years, reducing wastewater treatment volumes at the City of St. Petersburg's plant and directly reducing volumetric expenditures for the City of St. Pete Beach. Additional funding will help expedite the program and provide for continued improvement. It provides a direct environmental benefit by reducing the potential for sanitary sewer overflows, particularly during high rain events. The project has a regional component due to the fact that the City of St. Petersburg treats the City of St. Pete Beach's wastewater. Continued improvements to the St. Pete Beach collection system will reduce the volume of waste treated at the St. Petersburg plant. /1	\$4,900,000	5 years	Wastewater Fund, HMGP	1/17/2024	10/3/2017	Vince Tenaglia
1004	St. Pete Beach	E Maritana Living Shoreline Design & Construction	Public/Private partnership with grant funding for 3 properties /1,3	\$47,000	1 year	Stormwater Fund	1/17/2024		Mike Clarke
909	St. Pete Beach	80th Avenue Seawall Living Shoreline	Seawall and living shoreline project (public)/ 1,3	\$500,000	5 years	Stormwater Fund, Grant	1/17/2024		Mike Clarke
959	St. Pete Beach	36th Avenue street end living shoreline and street drainage improvements	Living shoreline and drainage improvements /1,3	\$850,000	1 year	Stormwater Fund, General Fund	1/17/2024		Mike Clarke
941	St. Pete Beach	Seawall rehabilitation projects	29th Ave and Pass-a-Grille Way seawall rehabilitation 1st to 12th Ave, and 17th Ave seawall replacement/ 1,3	\$3,000,000	1 year	Seawall Funds	1/17/2024		Mike Clarke
960	St. Pete Beach	Don Cesar Neighborhood Pump Station Concept Design	Overall Neighborhood Resiliency Protection concept design w/1 pump station concept design/1	\$75,000	1 Year	Resiliency Fund	1/17/2024		Mike Clarke
938	St. Pete Beach	Don Cesar Neighborhood Tide Check Valve Installation	Design for Tide Check Valve Installation w/Baffle Box at 3 locations/1	\$115,000	1 Year	Resiliency Fund	1/17/2024		Mike Clarke
960	St. Pete Beach	Don Cesar Neighborhood Tide Check Valve Retrofit	Design for Tide Check Valve Retrofit at 3 Locations w/Baffle Box/1	\$18,000	1 Year	Resiliency Fund	1/17/2024		Mike Clarke
1001	St. Pete Beach	Belle Vista Neighborhood Tide Check Valve Retrofit	Tide Check Valve Retrofit /1	\$18,000	1 Year	Stormwater Fund	1/17/2024		Mike Clarke
842	St. Pete Beach	Gulf Winds Drive street rehabilitation with stormwater improvements	Construction of Street and Stormwater Improvements /1	\$5,000,000	2 Years	Stormwater Fund, General Fund	1/17/2024		Mike Clarke
869	St. Pete Beach	Gulf Way street repaving with stormwater improvements	Street and stormwater improvements /1	\$1,500,000	2 Years	General Fund, Stormwater Fund	1/17/2024		Mike Clarke
1001	St. Pete Beach	Bayway rehabilitation of 3 stormwater outfalls	Design phase underway by FDOT w/City Share	\$100,000	1 Year	Stormwater Fund	1/17/2024		Mike Clarke
933	St. Pete Beach	Don Cesar Boat Ramp Replacement	Design for the Boat Ramp Replacement. The Don Cesar Boat Ramp is approximately 3.5 feet below our seawall height regulation of 5' above MSL (NAVD88). This project proposes to rebuild the boat ramp in one of two potential locations, elevating the area to comply with the 5' elevation requirement. The current boat ramp is so low that it permits high tides to frequently flood the surrounding area and neighborhood. /1	\$75,000	1 Year	Florida Boating Improvement Grant	2/21/2024		Mike Clarke
944	St. Pete Beach	Lido Neighborhood/45th Ave Stormwater Pump Station	Pump station Design. The current stormwater management system in this neighborhood is undersized and is a frequent cause for flooding. Due to the lack of viable outfall locations and the low elevation of the neighborhood a pump station will be required to pump stormwater out into Boca Ciega Bay. /1	\$191,000	1 Year	Stormwater Fund	2/21/2024		Mike Clarke
971	St. Pete Beach	8th Ave and Evander Shell Alley Rehabilitation	Design for Shell Alley Rehabilitation. This alley is frequently reported during heavy rain events to cause flooding in the back yards of neighboring properties. Scope of work for this project includes new surface with geocell underlayment along with regrading for stormwater conveyance away from these properties. /1,3	\$35,000	1 Year	Shell Alley Fund	2/21/2024		Mike Clarke

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1299	St. Pete Beach / Fire	Generator at Station 22	Provide and install 40-kilowatt natural gas-fired generator to be located on the roof in order to meet FEMA regulations at Fire Station 22, including roof engineering and construction as well as running TECO natural gas line to the building in order to ensure Continuity of Operations./4	\$150,000	2 years	HMGP,Capital Project Funds	1/17/2024	10/23/2017	K.Intzes
1289	St. Petersburg / City of St. Petersburg/ Leisure Services Department - Libraries	James Weldon Johnson Library Generator	The aim of this project is to strengthen this building's infrastructure where the Library systems technological hub is located. It will fortify the building's ability to serve as a Disaster Recovery Center as well as an alternate Emergency Operations Center. This will also ensure the Libraries ability to serve the public system wide provided there aren't any extenuating circumstances with the local power company. This project will also protect the Libraries collections from damage from humidity as well as component damage to servers due to partial power.	\$250,000	Planning	CIP	1/17/2024		Matthew Holthusen
1370	St. Petersburg / City of St. Petersburg/ Fire Rescue Department - Operations Division	Generator for St. Petersburg Fire Rescue Headquarters	This project would fund the replacement of the current generator at Fire Headquarters. The funding would provide for a new 200kw diesel generator as well as a fuel tank, generator enclosure and ATS with freight to the location, a crane to off load new equipment, removal of the old generator and start up. Funds would also provide for a rental generator for the duration of the installation. The St. Petersburg Fire Rescue headquarters building is a critical facility at all times and especially during disasters and emergency events as it is home to the sub-Emergency Operations Center for the City. During Hurricane Irma, headquarters had to utilize the current generator to fully power the building for over two weeks. During this time, power constantly flickered to the building as the generator was overloaded. A review of the current generator was recently completed by Paramount Power which stated that "with the unit being so heavily loaded and having been in service for so long, it is only a matter of time before this condition causes damage and possible catastrophic failure to the tail section or whole unit." Replacement of the current generator would ensure that the building is fully powered and able to function as normal during any hazard that would cause a potential loss of power.	\$185,100	Currently Unfunded	HMGP	1/17/2024	5/8/2018	
941	St. Petersburg / City of St. Petersburg/ Leisure Services Department - Parks & Recreation	Leisure Services Complex Wind Retrofit	The City of St. Petersburg Parks and Recreation Leisure Services Complex requires a wind retrofit to withstand a Category 3-5 Rating. This building serves as the primary administrative building for the Parks and Recreation Department and a command center and shelter for department staff during hurricane events. Currently, the building cannot withstand high category hurricanes or fulfill its purpose as a command center and shelter safely. This project will replace the existing roof and retrofit the roof and building envelope to mitigate the impacts of winds. This project directly addresses the LMS goal of "Minimize Storm Wind Losses in the County" through protecting a facility which benefits the general public.	\$500,000	Currently Unfunded	HMGP	1/17/2024	5/8/2018	
1025	St. Petersburg / Baycare, Inc.	Hospital EOC	Construct new EOC. Estimated completion time: more than 12 months. / 4	\$1,100,000	Currently Unfunded	EMPATF, HMGP; PDM Program	1/17/2024		
1150	St. Petersburg / Bayfront Medical Center	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	1/17/2024		
1150	St. Petersburg / Bayfront Medical Center	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	1/17/2024		
1150	St. Petersburg / Bayfront Medical Center	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	1/17/2024		
1090	St. Petersburg / Bayfront Medical Center	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	1/17/2024		
1070	St. Petersburg / Bayfront Medical Center	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	1/17/2024		
1000	St. Petersburg / Bayfront Medical Center	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	1/17/2024		
995	St. Petersburg / Bayfront Medical Center	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	1/17/2024		
995	St. Petersburg / Bayfront Medical Center	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	1/17/2024		
995	St. Petersburg / Bayfront Medical Center	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	1/17/2024		
990	St. Petersburg / Bayfront Medical Center	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	1/17/2024		
980	St. Petersburg / Bayfront Medical Center	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	1/17/2024		
980	St. Petersburg / Bayfront Medical Center	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	1/17/2024		
1150	St. Petersburg / Bayfront Medical Center	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	1/17/2024		

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845	St. Petersburg / City of St. Petersburg/ City Development Department - Planning & Development Services	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	1/17/2024	9/26/2016	Noah Taylor
970	St. Petersburg / Eckerd College	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	1/17/2024	10/24/2016	Lisa Mets
940	St. Petersburg / Eckerd College	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	1/17/2024	10/24/2016	Lisa Mets
780	St. Petersburg / St. Anthony's Hospital	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	1/17/2024		
780	St. Petersburg / St. Anthony's Hospital	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	1/17/2024		
1223	St. Petersburg / City of St. Petersburg/ Public Works Department	SW Water Reclamation Facility Building Replacements	This project provides for the replacement of operation/lab/maintenance buildings located in an Evacuation Zone A with buildings constructed to meet latest hurricane and flood codes. The existing buildings are not structurally sufficient to provide shelter of emergency critical staff during, and remain operational after, a hurricane.	\$20,000,000	Currently Unfunded	Bond CIP Funded	1/17/2024	10/24/2017	Ivy Drexler
1223	St. Petersburg / City of St. Petersburg/ Public Works Department	NE Water Reclamation Facility Building Replacements	This project provides for the replacement of operation/lab/maintenance buildings to meet latest hurricane and flood codes. The existing buildings are not structurally sufficient to provide shelter of emergency critical staff during, and remain operational after, a hurricane.	\$14,000,000	Currently Unfunded	Bond CIP Funded	1/17/2024	10/24/2017	Ivy Drexler
1223	St. Petersburg / City of St. Petersburg/ Public Works Department	NW Water Reclamation Facility Building Replacements	This project provides for the replacement of operation/lab/maintenance buildings to meet latest hurricane and flood codes. The existing buildings are not structurally sufficient to provide shelter of emergency critical staff during, and remain operational after, a hurricane.	\$14,000,000	Currently Unfunded	Bond CIP Funded	1/17/2024	10/24/2017	Ivy Drexler
1368	St. Petersburg / City of St. Petersburg/ Public Works Department	Sanitary Sewer Inflow and Infiltration Reduction Improvements	This project includes construction projects that will reduce inflow and infiltration (rain and ground water) into the City's sanitary sewer system by repairing and replacing old sewer collection system infrastructure. Inflow and Infiltration during wet weather periods has increased flow rates above the capacities of the collection system and treatment plants resulting in sewage discharges into the bay.	\$25,000,000	Currently Unfunded	Penny for Pinellas Local Option Sales Tax	1/17/2024	10/24/2017	Ivy Drexler
1340	St. Petersburg	Cosme Water Treatment Plant Emergency Operations Center Code Plus Project	<p>The City of St. Petersburg (City) proposes to implement a Code Plus project through construction of a new emergency operations center building at the Cosme Water Treatment Plant (WTP). The WTP was originally constructed in 1930 and has an operating permit for production up to 68 million gallons per day (MGD) but normal operations have a throughput of 28-33 MGD. The City purchases water from Tampa Bay Water, which is supplied from the Cosme-Odesa well field. Water supply enters the plant from Tampa Bay Water through three individual lines, is treated, and potable water is distributed to the entire City of St Petersburg plus the City of Gulfport, a total of 273,673 people according to 2019 census data.</p> <p>As the only occupied parcel the City owns outside of the City limits, this site provides a geographically higher location less vulnerable to potential storm events, and provides an opportunity to enhance City emergency operations functions. The Code Plus project will design the new structure to harden the facility against hurricanes, severe storms, and power outages to ensure continuity of City emergency response operations at the Cosme WTP during and after such events. This will be achieved by incorporating higher standards above Florida Building Code and ASCE-7 minimum requirements and designing the facility to withstand 150 mile-per-hour wind speeds. The City will consider the following elements from FEMA 453 - Design Guide for Improving Critical Facility Safety from Flooding and High Winds and FEMA P-1019 Emergency Power Systems for Critical Facilities that are eligible under a Code Plus project: hurricane doors and windows with impact-resistant glass, exterior wall protection from water infiltration, weatherstripping, roof and truss system including gravity-support brackets for gutters, and an on-site permanent generator as a redundant power source. The permanent generator will specifically provide redundancy to the WTP's service lines that pump water from Tampa Bay Water's well fields, which currently operate on grid power only with no backup. If the well fields are not powered due to grid failure from a severe storm or hurricane, potable water storage will provide adequate supply for a few days until they are depleted. If the power grid is disrupted for more than a few days and the City's stored water supply is depleted, potable water service would be lost throughout the entire City and Gulfport. Therefore, the proposed Code Plus project will not only ensure continued emergency operational capacity for the City during and after a severe storm or hurricane, but will also secure access to potable water through short and long-term power outages that affect the Cosme WTP.</p> <p>Additionally, during the City will design safe rooms, as part of the EOC, that provide near-absolute life-safety protection during a hurricane to the critical and essential services personnel that must remain in the EOC during a hazard event (approximately 30 staff members). This will be achieved by ensuring the room is designed to withstand at least 180 mph winds as outlined in ICC 500. The City will follow all guidelines and standards laid out in FEMA P-361, Safe Rooms for Tornadoes and Hurricanes (2021) and ICC 500 Standard for the Design and Construction of Storm Shelters (2020) in the design of the room. This includes the following eligible activities: Foundation and safe room anchoring, access and egress, emergency escape openings, latching, safe room signage, fire safety features, protection of critical support systems, lavatories, ventilation, and standby power and lighting.</p> <p>The proposed project is expected to cost \$4 million, based on preliminary estimates and structure specifications. The City proposes to implement the Code Plus project as a Phased</p>	\$4,399,429.75		HMGP	1/17/2024		Kira Barrera

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Appendix D, Table D-1: Mitigation Initiatives**

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1166	City of St. Petersburg/Fleet Management	City of St. Petersburg Fleet Facility Resilience - Emergency Generator	<p>The City of St. Petersburg (City) proposes to implement an emergency generator at the Fleet Management Facility. The St. Petersburg Fleet Management Facility is a critical services facility that encompasses approximately eight acres within an industrially zoned area in the center of the City. The facility provides for the maintenance and repair of the City's fleet of over 3,300 vehicles including public safety, light and heavy duty trucks, trailers, emergency vehicles, public works vehicles and other equipment necessary to support the City's response to disasters and emergencies. Crucially, the facility provides fuel services to fuel the ground fleet and back-up generators in preparation for, and during the recovery from, emergency events. This is the only city facility that is capable of dispensing unleaded fuel, which is the fuel source for most of the police and rescue vehicles in the City. Without power to ensure these vehicles are fueled, these vital rescue services will be hindered during and after an emergency event.</p> <p>In addition to these services, the Fleet facility also includes the repair and maintenance of radio communication equipment for public and non-public safety which are crucial to maintain emergency services. While a generator is not needed to run the radios, the generator does run the back-up encryption for the system in case the radio should go out. Finally, the facility also serves as a sub-emergency operations center (EOC) for the City. Fleet staff use the facility building as an EOC to maintain operations until wind reaches a sustained speed of 45 mph when they must evacuate.</p> <p>In addition to the City of St. Petersburg, the facility also provides services to the University of South Florida, St. Petersburg (University) and the City of Gulfport. The facility maintains the University's vehicle fleet. The facility also provides services for the City of Gulfport during emergency situations, including sharing fuel.</p> <p>During disaster events, the Fleet Facility requires functional operations to continue without outside assistance for at least seven days. This includes back-up power generation. The current generator at the facility is unreliable during an emergency, and does not have an inverter. This renders the generator incapable of working with the site's electronics or sensitive components. These issues were made evident during Hurricane Ian when storm damages required the use of the site's current generator. When the generator worked it damaged computer boards for the electronic fuel station and the facility. This generator failed after the first day on generator power and the City was forced to rent an additional generator for 10 days before power was restored at the site. Additionally, the current generator is not big enough to serve the entire Fleet Facility. In order to ensure that the Fleet Facility has the necessary electrical power to maintain continuity of emergency operations, the City proposes to install a 600-kW diesel fueled emergency generator that will serve as a source of redundant power in the event of a power failure. The generator will be able to directly connect to the existing systems so that when power is lost, the generator can immediately and directly provide power to necessary elements within the facility. Additionally, the proposed generator will be larger than the current model, ensuring the entire facility, and any future updates, can maintain power during emergencies. The proposed project is expected to cost \$750,000, based on preliminary estimates.</p> <p>This activity directly addresses "become a more disaster resilient community" goal in the Pinellas County Local Mitigation Strategy. Installation of an emergency generator will</p>	\$691,599	Currently Unfunded	HMGP	1/17/2024		Dr. Shrimatee Ojah Maharaj, AICP, Grants Officer City of St Petersburg Tel: 727-892-5180
1193	City of St. Petersburg/Public Works	City of St. Petersburg Infrastructure Resilience - Wet Weather Storage Tank	<p>The City of St. Petersburg (City) owns and operates wastewater collection facilities for the entire city, much of which was initially designed and constructed in the early 1900s. The wastewater collection system collects wastewater throughout the city and conveys it to one of three Water Reclamation Facilities for treatment through a series of force mains and lift stations. The increasing frequency and intensity of precipitation events, coupled with population growth, has taxed the collection and treatment system resulting in wastewater flow volumes that can exceed system capacity during wet weather events. When system capacity is exceeded, some areas of the city experience overflowing manholes and surcharged sewers that can potentially inundate connected buildings.</p> <p>Existing wet weather flow equalization (emergency storage) capabilities are not sufficient to collect and store excess flows currently received during precipitation events. The City of St. Petersburg proposes to implement two emergency wet weather storage tanks at the decommissioned Albert Whitted Water Reclamation Facility to permanently manage up to 15 million gallons of raw wastewater during peak flows when the Southwest Water Reclamation Facility is at its capacity. This will be implemented as a phased project, in accordance with FEMA Hazard Mitigation Assistance Guidance, where the City completes the project design and permitting in Phase 1 and constructs the solution in Phase 2.</p> <p>The proposed infrastructure resilience improvements will increase the overall capacity of the wastewater conveyance and treatment system to handle peak flows during tropical storms and severe precipitation events. This will not only reduce the likelihood of overflows due to overflowing manholes and surcharged sewers, but it will also increase operational efficiency during severe storms and allow operations and maintenance staff to focus on emergency repairs that may be needed in other areas of the wastewater system.</p>	\$26,900,000	Currently Unfunded	HMGP	1/17/2024		Ivy Drexler
1032	St. Petersburg	WRD EOC Emergency Power Consolidation Generator (FY2025)	<p>Generator: This project provides funding for increased capacity, redundancy, and distribution grid for emergency power at the WRD Campus in conjunction with the construction of new facilities as part of the Facilities Master plan. In order to accommodate the increased complexity of infrastructure as outlined in the Facilities Master Plan, hardening, consolidation, and improvement for emergency power distribution should be reviewed and improved.</p>	\$5,500,000	Currently Unfunded	Local funding, HMGP	1/17/2024		R. Quintana/L. Denzer
1196	St. Petersburg	WRD Lift Station Engineering Upgrades	<p>Structure Elevation & Mitigation Upgrades: The City owns and operates over 80 lift stations which pump wastewater to the water reclamation facilities. Upgrades are necessary to keep the lift stations in good working condition. The lift stations are prioritized based on condition assessments and tracked in the asset management system. The plan to touch every lift station during a 20 year cycle which coincides with each system's useful life. Funding includes cost assessments to account for the planning, design and delivery of sustainable, long-term infrastructure. Implementation and execution of the city's sustainability and resiliency initiatives will align with the Envision sustainable infrastructure framework, including third-party verification of completed projects.</p>	\$29,450,000	Currently Unfunded	Local funding, HMGP	1/17/2024		Ivy Drexler
1271	St. Petersburg	Install or Replace Lift Station Stationary Generators	<p>Generators: This project provides funding to replace four stationary lift station generators. They are used to power up the wastewater pump stations during power outages. This project is recommended by the master plan based on the results of the LST R&R Model (FP Table 5-6). Funding would be used to bring one lift station that does not currently have a stationary generator into compliance with 62-604.400(2)(a)(1) "Pump stations that receive flow from one or more pump stations through a force main or pump stations discharging through pipes 12 inches or larger shall provide for uninterrupted pumping capabilities, including an in-place emergency generator.four</p>	\$1,250,000	Currently Unfunded	Local funding, HMGP	1/17/2024		Ivy Drexler
959	St. Petersburg	FAC WRD Main Campus Reconfiguration	<p>Structure Elevation: This project provides funding for the next phase of the Integrated campus master plan. The goal is to provide centralized hurricane rated facilities for emergency critical operations as well as parking for the complex. This project proposes to construct a new parking structure for the WRD Main Campus on the area currently occupied by the lab building. We would also like to include a photovoltaic electrical generation system and additional charging stations for our growing fleet of electric vehicles. In order to build a parking structure in this location, there must be coordinated efforts with Duke to relocate the power structure located next to the current lab building. The funding is spread to first cover design, then cover relocation of existing assets in conflict with the needed footprint, then cover construction. The Funding indicates WRD Contribution of 50%.</p>	\$20,500,000	Currently Unfunded	Local funding, HMGP	1/17/2024		Raul Quintana
1010	St. Petersburg / City of St. Petersburg/ Public Works Department	Fleet Facility and Emergency Operations Center	<p>This Project involves replacement of existing Fleet buildings which serve for pre- and post emergency operations to repair, service, fuel police, fire, and other emergency response vehicles. This location also administers the radio communications and repairs. The existing system is structurally deficient and may not be operational following a major storm event risking the City's ability to be responsive for emergency response</p>	\$50,000,000	Currently Unfunded	Local funding, HMGP	1/17/2024		Raul Quintana

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1107	St. Petersburg / City of St. Petersburg/ Public Works Department	Stormwater, Pavement and Traffic Operations Facility	This Project involves replacement of existing Stormwater, Pavement, and Traffic Operations facilities located at 1744 9th Avenue North which serve for pre- and post emergency operations to repair, service, traffic signals, roadway signage, Right of Way Repairs (including seawalls, roads, etc). The existing system is structurally deficient and may not be operational following a major storm event risking the City's ability to be responsive for emergency response.	\$30,000,000	Currently Unfunded	Local funding, HMGP	1/17/2024		Raul Quintana
1098	St. Petersburg / City of St. Petersburg/ Public Works Department	Shore Acres and Riviera Bay Backflow Prevention Vaults	Hurricane Idalia subjected various communities throughout St. Petersburg to major storm surge particularly in the Shore Acres and Riviera Bay Neighborhoods. Residential housing was not only flooded, but due to the inability of fire and safety officials to enter the areas, were then subjected to electrical fires that destroyed two homes. Residents were displaced from their homes for months due to this storm, as well as other high tide wet weather events throughout the next few months which impacted approximately 70% of the homes in this area. Due to these low lying areas, the continued potential for severe wet weather damage is imminent. These low-lying elevation areas experience frequent flooding due to sea level rise and tidal inundation which is exacerbated during rain events. There are approximately 218 outfalls within these areas that discharge to tidally influenced canals that ultimately discharge to Tampa Bay. Of these, only one-fourth contain some form of backflow prevention measures; most of which are beyond their useful life. During high tide and storm surges, saltwater often inundates through the storm sewers and floods streets and homes. This project will support the installation of various stormwater backflow prevention devices throughout these areas. Devices previously used and planned to be installed as part of this project include concrete vaults with trash racks and WaStop® Inline Check Valves. Other means of preventing backflow of salt water into the stormwater system, such as gates and valves, may also be implemented as part of this project. Approximately 162 outfall locations will be utilized for backflow preventers to be installed. Vaults will be installed strategically throughout Shore Acres and Riviera Bay Areas in order to provide the most protection to areas with the highest risk of tidal flooding. Installation of new backflow prevention vaults will significantly reduce the frequency and severity of flooding caused by tidal inundation. In addition, this project will support the daily local and regional commercial and private vehicular traffic as well as the Pinellas Suncoast Transit Authority's (PSTA) Bus services connecting downtown St Petersburg to downtown Tampa and activity centers in between. This includes potential inoperability of PSTA's 12th most popular route carrying approximately 370k bus riders per year (serving our low income and vulnerable populations), and 5,900 traffic vehicles on average per day. When these roadways become inoperable due to wet weather events, the corridor would have inaccessibility to Goodwill Industries /Gateway Mall/Koger Office Center/Certegy/FIS Merchant Services/ Gandy Boulevard/Britton Plaza Tampa and more areas in downtown Tampa. This is the only route operated by PSTA from this area. Additionally, this roadway service is used as a biking connection from the Pinellas Trail to Gandy Blvd/Tampa.	\$14,353,080	Currently Unfunded	Local funding, HMGP	5/22/2024	5/20/2024	Hannah J. Rebholz, CFM
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	1/17/2024		
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	1/17/2024		
1166	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	1/17/2024		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	1/17/2024		Michael Denehy
1160	Tarpon Springs / Housing Authority	Door & Window Upgrades	Replacement of all original doors and windows to meet Florida building codes, Miami-Dade wind codes, and impact resistant ratings.	\$96	Currently Unfunded	CDBG, HUD	1/17/2024		Michael Denehy
850	Tarpon Springs / IT Division	Fiber	Run fiber from City Hall to Dixie Highway then to Reverse Osmosis Plant	\$300,000	Currently Unfunded	General funds	1/17/2024		Thomas Kiger
1017	Tarpon Springs / Public Services Department	Reverse Osmosis Water Facility 2nd Generator	Project to provide full power back up for the City's water supply facility to support public water supply treatment and distribution in the event of a power outage or interruption in service	\$2,000,000	Currently Unfunded	Water and Sewer Enterprise Fund	1/17/2024		Thomas Kiger
1200	Tarpon Springs / Streets & Stormwater Division	SAP	Stormwater Capital Improvement plan. (SAP-Stormwater Action Plan) Estimated completion time: Ongoing. / 4	\$150,000 Annually	Currently funded	Stormwater Tax Assessment	1/17/2024		Renea Vincent
993	Tarpon Springs / Streets & Stormwater Division	Vehicles	Purchase CAT Mini Excavator & Trailer for in-house construction and maintenance of Stormwater infrastructure. Estimated completion time: Ongoing. / 1,3	\$89,000	Purchasing	Stormwater Tax Assessment	1/17/2024		Renea Vincent
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 Funded & Included in the Pent/Grosse Project	Stormwater Tax Assessment, EMPATF, HMGP; PDM Program	1/17/2024		Renea Vincent
1260	Tarpon Springs / Streets & Stormwater Division	Pent/Grosse flood abatement SAP 5	Project to reduce/eliminate localized flooding and emergency vehicle access.	\$2,183,614	Construction Contract Awarded/ Estimated Completion Jan 2022	Stormwater Tax Assessment, SWFWMD Cooperative Funding Initiative (50% Match)	1/17/2024		Bob Robertson
1190	Tarpon Springs / Streets & Stormwater Division	Jasmine/Highland flood abatement SAP 5 & 33	Project to reduce/eliminate localized flooding and emergency vehicle access.	\$993,382	Design Completion - Awaiting Funding	Stormwater Tax Assessment, SWFWMD Cooperative Funding Initiative (50% Match) - Not resubmitted for CFI at this time	1/17/2024		Renea Vincent

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1170	Tarpon Springs / Streets & Stormwater Division	Avokca 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	1/17/2024		Renea Vincent
1140	Tarpon Springs / Streets & Stormwater Division	Mango Street & Mango Circle flood abatement SAP 102	Project to reduce/eliminate localized flooding and emergency vehicle access.	\$840,000	Construction Award 10/2020, complete 11/2021???	Stormwater Tax Assessment, EMPATF, HMGP; PDM Program	1/17/2024		Bob Robertson
1058	Tarpon Springs / Streets & Stormwater Division	Grandview Dr - Drainage Improvements	Project to reduce/eliminate localized flooding and emergency vehicle access.	Design WIP Estimated \$63,000	Design Phase & Easement Acquisition Process	Stormwater Tax Assessment, EMPATF, HMGP; PDM Program	1/17/2024		Anthony "Tony" Mannello - CTS - Public Works - Streets &
1068	Tarpon Springs / Streets & Stormwater Division	Pinellas Trail Culvert at Meres Crossing - Drainage Improvements	Project to reduce/eliminate localized flooding and emergency vehicle access.	Design WIP Estimated \$43,000	Design Phase Alternatives being considered	Stormwater Tax Assessment, EMPATF, HMGP; PDM Program	1/17/2024		Anthony "Tony" Mannello - CTS - Public Works - Streets &
1194	Tarpon Springs / Streets & Stormwater Division	Roosevelt Blvd & Canal St - Drainage Improvements	Project to reduce/eliminate localized flooding and emergency vehicle access.	Design \$52,000	Design Phase	Stormwater Tax Assessment, EMPATF, HMGP; PDM Program	1/17/2024		Anthony "Tony" Mannello - CTS - Public Works - Streets &
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	1/17/2024		Renea Vincent
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	1/17/2024		Renea Vincent
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	1/17/2024		Renea Vincent
950	Tarpon Springs/Streets & Stormwater Division	Whitcomb Bayou Coastal Resiliency Project (DESIGN ONLY)	Project to reduce/eliminate localized flooding and to stabilize the shoreline by raising the shoreline elevation with combination of T-walls, Berms, and Seawalls. Multi-jurisdictional project will require coordination with Pinellas County.	\$605,000	Preliminary Design and Grant Funding Evaluation and Applications	HMGP for Phase 1 (design and permitting)	1/17/2024		Bob Robertson
740	Tarpon Springs/Streets & Stormwater Division	Whitcomb Bayou Coastal Resiliency Project (CONSTRUCTION ONLY)	Project to reduce/eliminate localized flooding and to stabilize the shoreline by raising the shoreline elevation with combination of T-walls, Berms, and Seawalls. Multi-jurisdictional project will require coordination with Pinellas County.	\$15,000,000	Currently Unfunded	BRIC, HMGP, other	1/17/2024		Bob Robertson
963	Tarpon Springs / Utilities	Afraras Lift Station Replacement	Project to replace aging wastewater lift station that is a pumping station to Sponge Docks.	\$1,250,000	Currently Unfunded	CDBG Mitigation Grant; Water Sewer Enterprise Fund	1/17/2024		Megan Araya / Thomas Kiger
1071	Tarpon Springs / Utilities	Dewatering Building Hardening	Project to harden the dewatering buiding at Advanced Wastewater Treatment Facility against windstorm damage for continued operations during hurricanes.	\$2,400,000	Currently Unfunded	CDBG Mitigation Grant; Water Sewer Enterprise Fund	1/17/2024		Megan Araya / Thomas Kiger
1112	Tarpon Springs / Utilities	Operations Building Hardening	Project to harden the operations building at the CTS Advanced Waterwater Treatment Facility against flooding damage to ensure continued operations during hurricanes.	\$3,060,000	Partially funded at \$1.2M / Design to begin in FY2023	CDBG Mitigation Grant; Water Sewer Enterprise Fund	1/17/2024		Megan Araya / Thomas Kiger
993	Tarpon Springs / Utilities	Lime and Huey Lift Station Replacement	Project to replace the aging Lime and Huey wastewater lift station which provides a low-income area of TS with wastewater service.	\$1,900,000	30% Design Complete / Construction start in CY 2023	CDBG Mitigation Grant; Water Sewer Enterprise Fund; Water Sewer Impact Fees	1/17/2024		Megan Araya / Thomas Kiger
1149	Tarpon Springs / Utilities	RO Plant Generator Capacity	Project to install permanent generators at the water production wells for the TS RO Plant. Currently have 7 wells w/ no funded plan for permanent backup power supply.	\$210,000	Funded / award 9-2020 / completion 7-2021	CDBG Mitigation Grant; Water Sewer Enterprise Fund	1/17/2024		Megan Araya / Thomas Kiger
897	Tarpon Springs / Utilities	Wastewater Treatment Facility Nutrient Removal Process Improvements	Project to upgrade the nutrient removal process at the CTS Advanced Wastewater Treatment Facility to improve nutrient removal and energy efficiency.	\$3,300,000	Currently Unfunded	CDBG Mitigation Grant; Water Sewer Enterprise Fund	1/17/2024		Megan Araya / Thomas Kiger
1154	Tarpon Springs / Utilities	Tarpon Springs Sponge Docks Flooding Abatement	Tarpon Springs wishes to implement a stormwater flood and water quality improvement project to mitigate flooding in the Sponge Docks area of the City. The City operates with an undersized stormwater collection system with a normal high tide tailwater that is exacerbated during high tide events. This project allows for an updated system to significantly reduce the amount of flooding taking place in these areas as well as treatment of stormwater prior to discharge into the Anclote River. Essentially, it will implement a new stormwater pump station and check valve system to prevent tidal backflow and landward rainwater flooding during high tide events. During Hurricane Idalia, this area flooded excessively making the area unable to be traveled. With the level of flooding that occurred during Idalia, it was impossible to safely navigate the Sponge Docks area whatsoever. As the financial center of Tarpon Springs economy through the tourism industry, having that area inaccessible created a financial hardship on the approximately 115 businesses located in the Sponge Docks. Until the Sponge Docks can be fitted with a new stormwater collection system to account for high tide events, especially those occurring during hurricanes such as Idalia, this area will continue to flood immensely, creating both safety hazards and financial hardships in a City that has been unable to financially and adequately keep up with the rising sea levels and flooding./1	\$4,881,230	Currently Unfunded (local match available)	Local, HMGP	5/22/2024	2/2/2024	Bob Robertson
1077	The Pinellas Suncoast Transit Authority (PSTA)	Solar and battery energy storage system infrastructure	The Pinellas Suncoast Transit Authority (PSTA) seeks to purchase and install the solar and battery energy storage system infrastructure required to support 100% of PSTA's power needs during an outage in Pinellas County from a hazard event such as flooding or a hurricane. This solar and battery infrastructure would allow PSTA operations to function autonomously "off-the-grid", as well as power their electric bus fleet for any power-outage event. This would mitigate the risk of any fuel shortage that could impact The Authority during emergency times, as well as allow any number of the electric bus fleet to be energized and dispatched throughout the county to serve as power generators for electrical infrastructure deemed critical in Pinellas during a power outage.	\$22,439,312	Currently Unfunded	HMGP	1/17/2024		Robert J. Gavin, PE

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903	Town of Belleair / Water Treatment Plant	Water Wells back up power generator	Supply back up power generation and new pumps to RTW water supply wells for potable water generation.	\$114,000	Currently Unfunded	HMGP	1/17/2024	5/8/2018	
971	Town of Belleair / Building Maintenance	Emergency employee shelter, life support services retrofit	During preparation for hurricane Irma in the fall of 2017, it was noted that several key life support functions were not connected to back up generator or functioning properly, LMS funds are needed to connect/repair these key elements in the town's employee emergency shelter	\$21,000	Currently Unfunded	HMGP	1/17/2024	5/8/2018	
1083	Town of Belleair / Building Department	Town Hall/Police Department facility hardening, critical facility	Upgrade to town hall/PD critical facility roof for more secure facility during hurricane or other disasters.	\$150,000	Currently Unfunded	HMGP	1/17/2024	5/8/2018	
1083	Town of Belleair/ Streets and Stormwater	Bridge scour protection for island bridges	Install scour protection at 2 bridges in town. (North Pine Circle, and Winston Drive)	\$85,000	Currently Unfunded	HMGP	1/17/2024	5/8/2018	
1065	Town of Belleair / Building Maintenance	Water Plant Hazardous materials mitigate response kits	Buy new breathing apparatus, chemical spill kits, and chemical starter for security measures.	\$31,500	Currently Unfunded	HMGP	1/17/2024	5/8/2018	
926	Town of Belleair / Building Maintenance	Town of Belleair's Water plant , Secure facilities	Install 10 cameras and install 4 door locks to protect facility from attacks	\$15,786	Currently Unfunded	HMGP	1/17/2024	5/8/2018	
1119	Town of Belleair / Building Department	Town Hall/Police Department security measure for critical facility	Install 2 pull down shutters for door ways to secure town hall and police department	\$6,000	Currently Unfunded	HMGP	1/17/2024	5/8/2018	
1270	Town of Belleair / Building Department	Generator Installation Town Hall/Police Department	1, 2	\$138,476	6 months	HMGP Hurricane Hermine	1/17/2024	4/24/2017	Greg Lauda
980	Town of 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	1/17/2024		
	Town of Belleair/Public Works	Ponce De Leon and Osceola, Street and Drainage improvements.	Phase 3 and 4 of Ponce De Leon and Osceola, Street and Drainage improvements.	\$2,700,000	Currently Unfunded	HMGP	1/17/2024		Greg Lauda
	Town of Belleair/Public Works	Palmetto Street Drainage improvements	Final Phase of Palmetto Street drainage improvements	\$1,400,000	Currently Unfunded	HMGP	1/17/2024		Gregg Lauda
917	Town of Belleair/Public Works	Carl & Shirley Roadway / Drainage Improvements	Construction of a drainage improvement project and related infrastructure. This project includes new drainage, utilities, sidewalk, curb, and roadway infrastructure. The projected total project cost is \$2,196,113.85.	2.19 Million	Currently Unfunded	Local, HMGP	1/17/2024		Gregg Lauda / Adam Klinstiver
1086	Town of Belleair/Public Works	Indian Rocks Road Project	.0539 miles of new storm water underground drainage, this project will relieve Indian Rocks Road from being in future flooding events	4.8 Million	Currently Unfunded	HMGP	1/17/2024		Gregg Lauda
1079	Town of Belleair/Public Works	Harold's Lake and Rattlesnake Creek Sediment Removal and Design Criteria Restoration- System	This project, Harold's Lake and Rattlesnake Creek Drainage Restoration, proposes to dredge sediment and restore design functions for the lake and associated surface water(s) to original design capacities and functions. The Harold's Lake and Rattlesnake Creek System receives stormwaters from the Town of Belleair, unincorporated Pinellas County, City of Clearwater and City of Largo. The projected total project cost is \$2,400,000.	2.4 Million	Currently Unfunded	Local, HMGP	1/17/2024	3/21/2024	Al Furney/Ashley Bernal
834	Treasure Island / Public Works	Reconstruct Public Works Garage and Yard	Rebuild the public works service facility, hardening it to withstand modern windload standards and elevate it to address sea level rise and meet FEMA standards for structures in a Special Flood Hazard Area. /4	\$6.1 Million	Funded FY24 by planned issuance of debt	HMGP; HMGP Planning, local funds	1/17/2024		Jesse Miller
965	Treasure Island / Public Works	Reconstruct the Public Safety Buildings	Reconstruct the Public Safety facilities to withstand modern windload standards, elevate it to address sea level rise, and to bring the offices and firefighters living quarters to FEMA compliant levels. /4	\$700,000	Projected FY27 by planned issuance of debt	HMGP; HMGP Planning, local funds	1/17/2024		Jesse Miller
1710	Treasure Island / Public Works	Citywide Seawall Repair for Locations NOT listed as a separate project (street ends, etc.)	Citywide Seawall repair/replacement. Estimated completion time: ongoing. / 4	\$1.2 Million	Funded FY25 - FY28 by annual appropriation	EMPATF, HMGP; PDM Program; CDBG, Local Funds (Penny for Pinellas)	1/17/2024	10/30/2017	Jesse Miller
1060	Treasure Island / Public Works	Public Works Seawall Replacement	Replace and elevate the seawall adjacent to the new Public Works facility: Estimated completion time: less than 12 months (2025). / 3	\$460,000	Funded FY25 by City	EMPATF, HMGP; PDM Program; CDBG	1/17/2024	10/30/2017	Jesse Miller
1270	Treasure Island / Public Works	Reconstruct Fire, and Police facilities	Reconstruct critical municipal facilities - Fire, and Police Estimated completion time: more than 12 months. / 2	\$7 Million	Funded FY25 by City for design construction currently unfunded	EMPATF, HMGP; PDM Program; CDBG; FMAP	1/17/2024	10/30/2017	Jesse Miller
970	Treasure Island / Public Works	Kingfish Park Seawall Rehabilitation	Repair/replace seawall and failing infrastructure: Estimated completion time: less than 12 months. / 3	\$500,000	Funded FY24 by City for emergency design and repair efforts.	EMPATF, HMGP; PDM Program; CDBG	1/17/2024	10/30/2017	Jesse Miller

Projects Related to HMGP-Idalia

Projects Related to HMGP-Ian

Projects Related to HMGP-Nicole or BRIC