Pinellas County

Housing & Community Development

December 15, 2021

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

Re: Pinellas County Endorsement Letter for FEMA 4486-DR-FL, COVID-19 Pandemic and updated Local Mitigation Strategy Table D-1 Mitigation Initiatives list

Dear Mr. Anderson:

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

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

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ATTACHMENT 1

Pinellas County HMGP Funding Priority List:

FEMA 4486-DR-FL, COVID-19 Pandemic

Pinellas County Hazard Mitigation Grant Program - Priority Funding List
FEMA 4486-DR-FL COVID-19 Pandemic
(as approved by the Pinellas LMS Working Group on 12/1/2021)

FUNDING PRIORITY	PROJECT NAME OR DESCRIPTION	APPLICANT	GOAL OR OBJECTIVE IMPLEMENTED	LMS OBJECTIVE THE PROJECT ADDRESSES	ESTIMATED TOTAL PROJECT COST	ESTIMATED FEDERAL SHARE
1	Seawall Rehabilitation - Community Center Seawall	City of St. Pete Beach	Minimize Coastal Flooding Losses in the CHHA, Coastal Storm Area and Hurricane Vulnerability Zone	Property Protection	$1,500,000	$1,125,000
2	Redington Shores Stormwater Infrastructure Improvements	Town of Redington Shores	Minimize Coastal Flooding Losses in the CHHA, Coastal Storm Area and Hurricane Vulnerability Zone	Property Protection	$425,000	$318,750
3	Mease Countryside Hospital Flood Wall	Morton Plant Hospital Association Inc.	Minimize Coastal Flooding Losses in the CHHA, Coastal Storm Area and Hurricane Vulnerability Zone	Property Protection	$300,000	$225,000
4	Cosme Water Treatment Plant Emergency Operations Center Code Plus Project	City of St. Petersburg	Become a More Disaster Resilient Community	Prevention	$4,000,000	$3,000,000
5	EOC Generator	City of Treasure Island	Become a More Disaster Resilient Community	Prevention	$150,000	$112,500
6	Span Wire Intersection Replacement Program/Traffic Signal Hardening (9 intersections)	Pinellas County	Become a More Disaster Resilient Community	Structural Projects	$5,850,000	$4,387,500
7	Cross Bayou Improvements (002124A)	Pinellas County	Become a More Disaster Resilient Community	Prevention	$9,956,000	$1,700,000
8	Community Center Generator	City of Belleair Beach	Become a More Disaster Resilient Community	Property Protection	$240,000	$180,000
9	McKay Creek Operable Lake Controls and SCADA (004134A)	Pinellas County	Become a More Disaster Resilient Community	Prevention	$4,375,000	$2,500,000
10	Manhole Reinforcement via structural lining	City of Dunedin	Become a More Disaster Resilient Community	Prevention	$399,000	$299,250
11	Sanitary Sewer CIPP for I&I and SSO mitigation	City of Dunedin	Become a More Disaster Resilient Community	Property Protection	$2,500,000	$1,875,000
12	City of Dunedin Lift Station Rehabilitation and Reinforcement	City of Dunedin	Become a More Disaster Resilient Community	Property Protection	$1,900,000	$1,425,000

ATTACHMENT 2

Pinellas County LMS Table D-1 Mitigation Initiatives

(Appendix D)

Project List Update

Pinellas County
Local Mitigation Strategy 2021-2022
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	Updated By
1142	AdventHealth North Pinellas	Building Envelope for Hurricane Hardening	Complete building envelope of hospital facility to withstand hurricane winds/2	$16,800,000	FY20/21	None. Capital funding through AdventHealth	1/20/2021	Carol Clark
1029	ARC Tampa Bay	The Arc Tampa Bay Long Center Generator	Purchase and installation of a natural gas based 125 kw generator to support approximately 7000 sqaure feet, to support the critical health and safety needs of our residents during a hurricane.	$142,000	Currently Unfunded	HMGP	1/20/2021	
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	1/20/2021	
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	1/20/2021	
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	1/20/2021	
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	1/20/2021	
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	1/20/2021	
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	1/20/2021	
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	1/20/2021	
1000	Bayfront Medical Center / St. Petersburg	Harden Mechanical Room & Medical Gas Enclosure - Building B/C	The Mechanical Room and a fenced lean to will be hardened. Estimated completion time: more than 12 months. / 2	$1,000,000	Currently Unfunded	Emergency Management, Preparedness and Assistance Trust Fund, HMGP; PDM Program	1/20/2021	
995	Bayfront Medical Center / St. Petersburg	Building C Boiler / Chiller Plant Hardening & Rooftop Equipment Mitigation	The hospital's boiler & chiller plant needs hardening for severe weather mitigation. Estimated completion time; More than 12 months. / 2	$1,000,000	Currently Unfunded	Emergency Management, Preparedness and Assistance Trust Fund, HMGP; PDM Program	1/20/2021	
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	1/20/2021	
995	Bayfront Medical Center / St. Petersburg	Life Services Building Window, Door & Wall Hardening	The Life Services Building needs windows, doors and walls hardened for protection against high wind velocity and severe weather events. Estimated completion time; more than 12 months. / 2	$1,000,000	Currently Unfunded	Emergency Management, Preparedness and Assistance Trust Fund, HMGP; PDM Program	1/20/2021	
990	Bayfront Medical Center / St. Petersburg	Child Development Center Wind, Door & Roof Hardening	Harden windows, doors and roof for hurricane and severe weather mitigation. Estimated completion time: more than 12 months. / 2	$1,000,000	Currently Unfunded	Emergency Management, Preparedness and Assistance Trust Fund, HMGP; PDM Program	1/20/2021	
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	1/20/2021	
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	1/20/2021	
978	Belleair Beach / Public Works	7th and 8th Street	Drainage Improvement Plan-to prevent high tide flooding 7th and 8th Street	$400,000	Awarded	Local	1/20/2021	Lynn Rives
910	Belleair Beach / Public Works	Stormwater Management	Stormwater repairs, improvements, and replacing curb work. Replace valley curbs Estimated completion time: more than 12 months. / 1	$162,000	Currently Underway	Local Funds	1/20/2021	Lynn Rives
1046	Belleair Beach / Public Works	12th and 13th Street	Drainage Improvement Plan - to prevent High Tide Flooding 12th-13th Street	$423,000	2021 Design	Local Funds	1/20/2021	Lynn Rives
910	Belleair Beach / Public Works	Stormwater Management	Stormwater repairs, improvements, and replacing curb work. Replace valley curbs Estimated completion time: more than 12 months. / 1	$55,000	Currently Underway	Local Funds and SWFWMD Cooperative Funding Grant	1/20/2021	Nancy Gonzalez
980	Belleair Beach / 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	1/20/2021	
1259	Belleair Beach	Community Center Generator	Purchase a standby natural gas generator for the Community Center which contains all municipal offices and serves as EOC during emergencies. The City of Belleair Beach is seeking a $180,000 grant to fund a generator for the Community Center that serves as the EOC. The generator currently is funded in the City's CIP program in FY23. The EOC generator will address the following goal and objectives within the 2020 Pinellas County Multi-Jurisdictional Local Mitigation Strategy: Goal - Become a more disaster resilient community. Objective 1.7 - Property Protection - Identify, assess, prioritize and hard critical facilities and key critical infrastructure. Objective 1.22 - Preventive Measures - Develop plans and procedures that minimize impacts from power outages. The Belleair Beach Community Center is the City's primary EOC during an event. If an evacuation is ordered, the EOC is temporarily moved to St Jerome Catholic Church. EOC operations resume at the Community Cente once access is permited. The generator will provide power to the EOC in the event of a power outage.	$240,000	50% funded to date	Local Funds + HMGP	12/1/2021	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.	$45,000	Currently Unfunded	EMPATF, HMGP; PDM Program	1/20/2021	
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.	$60,000	Currently Unfunded	City Funds that would be reallocated from other budget line items.	1/20/2021	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	Submitted grant application	HMGP	1/20/2021	Sarah Kessler

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1118	Clearwater / Public Utilities	Elevate 9 Clearwater Beach lift stations	This project includes elevating nine (9) lift stations on Clearwater Beach. The lift station telemetry, control, and power connections would be elevated at least two feet above the base flood elevation and storm surge height. Elevating the lift stations reduces the likelihood that they would damaged by a storm and prevents sanitary sewer overflows. This cost of preventative measure is $77,000 per elevated lift station. The estimated construction length would be 6 months.	$616,000	Submitted grant application	HMGP	1/20/2021	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 Soils (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	Submitted grant application	HMGP	1/20/2021	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 Soils (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	Submitted grant application	HMGP	1/20/2021	Sarah Kessler
1088	Clearwater / Public Utilities	Purchase 2 mounted power stations	This project is for the purchase of two (2) portable 419KW trailer mounted power stations. Although the City's reclamation and water production facilities are on Duke Energy's critical facilities list, power outages due to storm damage can occur at Public Utilities facilities. The trailer mounted power stations allow for flexibility of redundant power supply that can be transported to any of the City's three (3) reclamation facilities. Having emergency power at facilities can prevent a sanitary sewer overflow. The cost of this preventative measure is $150,000 per power station. The estimated length of time to acquire equipment is 90 days.	$300,000	Submitted grant application	HMGP	1/20/2021	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	Submitted grant application	HMGP	1/20/2021	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	Submitted grant application	HMGP	1/20/2021	Sarah Kessler
1227	Clearwater / Public Utilities	Purchase 7 mounted generators	This project is the purchase of seven (7) portable 90kW trailer mounted generators. These generators would only be used to maintain lift stations operations during power outages, often associated with extreme weather. The generators would allow lift station without power to temporarily pump the waste water collection system. Maintaining power at a lift station prevents sanitary sewer overflows. The cost of this preventative measure is $70,000 per generator. The estimated length of time to acquire equipment is 90 days.	$490,000	Submitted grant application	HMGP	1/20/2021	Sarah Kessler
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	Submitted grant application	HMGP	1/20/2021	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	1/20/2021	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	1/20/2021	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	1/20/2021	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	1/20/2021	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	1/20/2021	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	1/20/2021	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	1/20/2021	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	1/20/2021	Sarah Kessler
1150	Clearwater / Fire & Rescue	Fire Station 46 – Mandalay	Construction of a new fire station to meet current building standards. Added 2016 /4	$4,305,560	Unfunded	EMPATF, HMGP; PDM Program	1/20/2021	Sarah Kessler

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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	1/20/2021	Sarah Kessler
850	Clearwater / Marine & Aviation	Airpark Hanger	Replace airplane hangar. Added 2016 /2	$700,000	Unfunded	EMPATF, HMGP; PDM Program	1/20/2021	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	1/20/2021	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	1/20/2021	Sarah Kessler
1190	Clearwater / Police	District 3 Headquarters	Rebuild Police Station to be resilient and address site flooding Added 2016 /4	$3,505,000	Unfunded	EMPATF, HMGP; PDM Program	1/20/2021	Sarah Kessler
710	Clearwater / Public Utilities	Groundwater Replenishment	Construction of a new hardened facility. Added 2016 /2	$500,000	Unfunded	EMPATF, HMGP; PDM Program	1/20/2021	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	1/20/2021	Sarah Kessler
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 deisel generators connected to them to provide power and provide uninterupted 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		1/20/2021	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		1/20/2021	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	1/20/2021	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	1/20/2021	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	1/20/2021	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	1/20/2021	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	12/1/2021	Matthew Woodham
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	12/1/2021	Matthew Woodham

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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	12/1/2021	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	1/20/2021	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	1/20/2021	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	1/20/2021	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	1/20/2021	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	1/20/2021	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	1/20/2021	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 Presently in Review Process by FDEM and FEMA	HMGP, Local	1/20/2021	Michael Taylor
1,260	Gulfport / Public Works, Community Development	Critical Facility Generator Retrofit	Lift Station 1 is the City's facility that collects 80% of the wastewater generated in the City and pumps it to St Petersburg for treatment. Of the 19 collection basins within the City, Lift Station 1 directly collects 63% of the basins wastewater. The remaining 37% is collected at Lift Station 2 and is pumped directly to Lift Station 1. The City has hardened the lift stations. The current generator has passed its estimated useful life. Replace existing generator with one 150Kw generator. / 4	$72,450	HMGP Application Presently in Review Process by FDEM and FEMA	HMGP, Local	1/20/2021	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 Presently in Review Process by FDEM and FEMA	HMGP, Local	1/20/2021	Michael Taylor
1050	Indian Rocks Beach / Building Dept.	Flood Mitigation Buyout	Provide a grant of up to $15,000 per structure for the removal 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	$150,000	Currently Unfunded	FMAP; HMGP; PDM Program, Penny for Pinellas, CDBG, Nonpoint Source Implementation Grants, Residential Construction Mitigation Program	1/20/2021	Dean Scharmen
1250	Indian Rocks Beach / Public Services	Stormwater Drainage	Reconstruction of small basin stormwater collection and discharge facilities as required by NPDES. All City facilities should be updated by 2025 and thereby in compliance with NPDES regulations, the end of a 20-year effort. One segment on Harbor Drive and another segment on La Hacienda are scheduled to be completed in 2020.	$1,000,000	2020	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	1/20/2021	Dean Scharmen
870	Indian Rocks Beach / Public Services	Gulf Blvd Utility Undergrounding	To make aesthetic and safety improvements along Gulf Blvd, including the undergrounding of the Gulf Blvd overhead utilities and equipment. Phase 1 of the project, about $4 million in cost would start at the southern boundary of the City (Whitehurst) and continue north to State Road 688. /4	$4,120,180	Design of Phase 1 is complete and construction has begun.	Pinellas County, City of Indian Rocks Beach Capital Improvement Plan	1/20/2021	Dean Scharmen
860	Indian Rocks Beach / Public Services	Road Milling, Resurfacing and curbing	Road deterioration causes safety hazards and negatively impacts the attractiveness of the neighborhood. This project includes continuation of street milling, resurfacing, and curb replacement and includes updating the drainage system in the areas resurfaced. This project also includes concrete curb and gutter replacement and asphalt milling and resurfacing at selected locations in Fiscal Years 2021-2025.	$2,500,000	In CIP for the next five years	City of Indian Rocks Beach Capital Improvement Plan; SWFMD	1/20/2021	Dean Scharmen

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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	1/20/2021	
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	1/20/2021	
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	1/20/2021	
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	1/20/2021	
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	1/20/2021	
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	1/20/2021	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	$537,900.00	FY2021-FY2022	Penny for Pinellas IV	1/20/2021	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	1/20/2021	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)	1/20/2021	Ann Rocke
921	Largo / Engineering Services	Pocahontas Drive Drainage Improvements	Drainage improvements include the construction of stormwater infrastructure for flood control./1	$1,500,000.00	FY2023-FY2024	Penny for Pinellas IV	1/20/2021	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	FY2021-FY2022	Penny for Pinellas IV	1/20/2021	Ann Rocke
921	Largo / Engineering Services	Venetian Gardens Drainage Improvements	Drainage improvements include the construction of stormwater infrastructure for flood control./1	$1,882,000.00	FY2021-FY2022	Local	1/20/2021	Ann Rocke

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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)	1/20/2021	Matthew DiFiore
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	$3,750,000	N/A	Unfunded	1/20/2021	Matthew DiFiore
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	FY2021	HMGP	1/20/2021	Ann Rocke
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	$3,500,000	N/A	Unfunded	1/20/2021	Matthew DiFiore
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	$3,500,000	N/A	Unfunded	1/20/2021	Matthew DiFiore
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)	1/20/2021	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)	1/20/2021	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	$18,000,000	N/A	Unfunded	1/20/2021	Matthew DiFiore
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	1/20/2021	Matthew DiFiore

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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	1/20/2021	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)	1/20/2021	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	$1,500,000	Unfunded	Local Funding	1/20/2021	Jerald Woloszynski
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		1/20/2021	
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		1/20/2021	
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		1/20/2021	
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	1/20/2021	
	Madeira Beach / Community Development	847 Bay Point	Mitigation of SRL Property 847 Bay Point	$200,000	Unfunded	HMGP & Private	1/20/2021	Tamara Harvie
	Madeira Beach / Community Development	14196 W Parsley	Mitigation of SRL Property 14196 W Parsley	$200,000	Unfunded	HMGP & Private	1/20/2021	Tamara Harvie
	Madeira Beach / Community Development	911 Bay Point	Mitigation of SRL Property 911 Bay Point	$200,000	Unfunded	HMGP & Private	1/20/2021	Tamara Harvie
	Madeira Beach / Community Development	577 Crystal Drive	Mitigation of SRL Property 577 Crystal Drive	$200,000	Unfunded	HMGP & Private	1/20/2021	Tamara Harvie
	Madeira Beach / Community Development	Drainage Basin A5-A6 As depicted in the Stormwater Master Plan	Stormwater system upgrades to address flooding and tide control devices	$2,142,000	Unfunded	EMPATF; HMGP; PDM Program	1/20/2021	Tamara Harvie
	Madeira Beach / Community Development	Drainage Basin C –C9-C17 As depicted in the Stormwater Master Plan	Stormwater system upgrades to address flooding and tide control devices	$8,100,000	Stormwater fund. Commence project FY2021	EMPATF; HMGP; PDM Program	1/20/2021	Tamara Harvie
	Madeira Beach / Community Development	Drainage Basin D – As depicted in the Stormwater Master Plan	Stormwater system upgrades to address flooding and tide control devices	$4,360,000	Unfunded	EMPATF; HMGP; PDM Program	1/20/2021	Tamara Harvie
	Madeira Beach / Community Development	Drainage Basin F F1-F6 and F1-=F12 – as depicted in the Stormwater Master Plan	Stormwater system upgrades to address flooding and tide control devices	$2,200,000	SWFWMD 50% funding Commence FY2021	EMPATF; HMGP; PDM Program	1/20/2021	Tamara Harvie
	Madeira Beach / Community Development	Underground Utilities - East and West side streets	Underground utilities – East and West side streets	$3,000,000	Penny for Pinellas Phase 111 commence FY/2021	Local	1/20/2021	Tamara Harvie
	Madeira Beach / Community Development	Drainage Basin B – As depicted in the Stormwater Master Plan	Stormwater system upgrades to address flooding and tide control devices	$3,166,000	Unfunded or scheduled	EMPATF; HMGP; PDM Program	1/20/2021	Tamara Harvie
893	Madeira Beach/ Community Development	Crystal Island Roadway & Drainage Improvement	Basin D8, D9, D10, D11, D12, D13, D14, D15, D16,D17, D19. Crystal Island Roadway drainage Improvements. Increased stormwater pipes to accommodate 10 years. The infrastructure was at the end of useful life and would have created a hole in the roadway, and storm flooding occurrences to low lying properties.	$12 million	Unfunded	HMGP	1/20/2021	Tamara Harvie

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1167	Madeira Beach/ Community Development	MIXED-USE MULTI-PURPOSE MOBILITY HUB	The mixed-use, multi-modal mobility hub will be designed to integrate parking with other municipal and private uses, e.g., educational, medical, emergency vehicle storage, etc., in a flexible, multipurpose building with grade-level commercial space supporting 1. beach and barrier island-oriented mobility alternatives to driving to and parking individual automobiles at the beach reducing greenhouse gas emissions by intercepting automobile traffic at the Hub and reducing automobile traffic on Gulf Boulevard; 2. co-located parking and public transit access to assist drivers in transitioning to a different commute and beach experience by reducing time spent at gas-burning idling speeds searching for beach parking. Where individual automobile parking is now proximate to the beach, in the future it may become the beach and alternative parking required; 3. sheltering in place, including associated equipment and vehicle storage areas for Public Works, minimizing property losses from inland flooding in the 25-, 50-, and 100-year flood zones; 4. low-impact design and development for stormwater management by including on-site detention/retention to minimize coastal flooding in the CHHA, Coastal Storm Area, and Hurricane Vulnerability Zone; 5. convertible flex-space to accommodate a centrally-located Emergency Operations Center (EOC), educational, or medical facilities, etc., and generally "future-proof" the structure, so if parking demand ever diminishes the space can be converted to other multi-purpose uses; 6. energy efficiency through solar energy collection and incorporation of roof-level photovoltaic panels, LED lighting, occupancy and photocell computer control system, electric vehicle charging stations, wifi and cellular support system, Car-count system with variable message LED signs, and ParkSmart® certifiability following Green Building Certification, Inc. (GBCI) program.	$12,000,000	In CIP	Grants; General Fund Match	10/6/2021	Jerry Murphy
924	Madeira Beach Administration	Emergency Operations Generator	Emergency Operations Generator at City Hall to allow operations during state of emergency, power outages and other events of power loss.	$95,000	Unfunded	FEMA Grant - Madeira Beach General Fund	1/20/2021	Tamara Harvie
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 Plan 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 sucessful mitigation of this risk would help to ensure critical community Infatsructure and the commiunity as a whole is more prepared and resilient.	$300,000	Currently Unfunded	Baycare Self-Funded	12/1/2021	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 Healtcare 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 rehabilitaion 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	12/1/2021	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 rresilient community and reduce the amount of storm wind loss in the county.	$2,150,000	Currently Unfunded	Baycare Self-Funded	12/1/2021	Dirk Palmer
890	Morton Plant Hospital / Clearwater	Hospital Retrofit	Replace windows at Morton Plan Hospital's Adler/ Women's Center Estimated completion time: more than 12 months. / 2	$680,000	Currently Unfunded	EMPATF, HMGP; PDM Program	1/20/2021	
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	1/20/2021	
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	1/20/2021	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	1/20/2021	Mary Campbell
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	1/20/2021	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	1/20/2021	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		1/20/2021	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	1/20/2021	Tatiana Childress
941	Oldsmar/Fire Rescue	Fire Training Structure	Provides a local training facility for the Fire Department to have hands-on daily training without sending our City assets out of City limits while relying on surrounding companies to handle our emergency calls for extended periods of time. Includes training such as: forcible entry, hose management, ladder management, ventilation, crew management, etc.	$40,000	Currently Unfunded	EMPATF; HMGP; PDM Program	1/20/2021	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	$1,200,000	Currently Unfunded	EMPATF; HMGP; PDM Program	1/20/2021	Tatiana Childress
1182	Oldsmar/Fire Rescue	Radio Communications System	UHF frequncy radio system consisting of two repeaters and ten handheld radios to serve as back up communications during storm events. The system will allow for EOC to field communications during emergency events should cellular and broadband communication fail.	$25,000	Currently Unfunded	EMPATF; HMGP; PDM Program	1/20/2021	Tatiana Childress
924	Oldsmar/Public Works	Portable solar variable message board	Message board necessary to communicate with drivers during an emergency, and to alert changing road conditions	$15,000	Unfunded	EMPATF; HMGP; PDM Program	1/20/2021	Tatiana Childress

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1052	Oldsmar/Public Works	Climate Resiliency Plan	The City shall plan for resilience because almost all of Oldsmar is in High or Moderate risk for flooding. Major storms and flooding events are happening more frequently. The goal is to ensure that Oldsmar remains socially, economically, and environmentally viable for future generations. The project is currently in Phase I. Phase I of this project will provide Vulnerability Assessment, including identification of affected systems and literature review. Phase II will prioritize vulnerabilities, develop adaptation strategies for the resiliency plan, and update the CRS and comprehensive plan.	$200,000	FY 20 -FY21	Local, FDEP Coastal Resilience Program	1/20/2021	Tatiana Childress
902	Oldsmar/Public Works	Dougls 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	Phase I funded by state and local, Phase II unfunded	EMPATF; HMGP; PDM Program	1/20/2021	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	Unfunded	EMPATF; HMGP; PDM Program	1/20/2021	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	Unfunded	EMPATF; HMGP; PDM Program	1/20/2021	Tatiana Childress
887	Oldsmar/Public Works	Crane Truck with hydraulic outrigger	As the Reverse Osmosis Plant ages there is greater demand for repair equipment. A second crane trucks for will provide some redundancy as much of the equipment at LS's and treatment facilities requires mechanical lifting capabilities. This will also provide backup for extreme weather events. Crane trucks are necessary for replacement of heavy components in lift stations	$100,000	Unfunded	EMPATF; HMGP; PDM Program	1/20/2021	Tatiana Childress
924	Oldsmar/Public Works	Skid Loader	In 2018, a sandbag attachment was purchased to help make the City's sandbag loading process more efficient. This nimble machine is highly useful in emergency clean-up situations to quickly clean the city. Also, due to its compact design, this is the machine of choice to access rear easements in residential lots. The city has a brush attachment and can use this to clear debris off of streets after hurricane	$60,000	Unfunded	EMPATF; HMGP; PDM Program	1/20/2021	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 degredation. 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 capactiy in the channel which causes increased frequency of flooding. Additionally if erosion continues, it will threaten the integrity of structures closest to the creek.	$174,000	Unfunded	EMPATF; HMGP; PDM Program	1/20/2021	Tatiana Childress
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		1/20/2021	
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		1/20/2021	
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	1/20/2021	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	1/20/2021	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 vulerability risk assessments of tidal flooding & storm surge impacts at multiple SLR scnarios & 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	1/20/2021	Andy Squires
1200	Pinellas County / Public Safety	County-wide	Replace seven (7) existing radio shelters housing the infrastructure of Pinellas County's 800 MHz Intergovernmental Public Safety Radio System serving over 10,000 responders to meet national standards and practices as defined by the Association of Public Safety Communication Officials (APCO) and local building codes. Shelter structures must be constructed to eliminate the threat of flooding with elevated platforms and drainage, while protecting against hurricane force winds. The hardening of sites is one of the most critical elements in the construction of a reliable communications system to prevent radio communication failure and better serve public safety responders and the public during routine incidents and major disasters. Public safety grade shelters are imperative to ensure the ability of public safety users to communicate at all times.	$15,130,000	FY16-18	Penny for Pinellas	1/20/2021	
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	1/20/2021	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	1/20/2021	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	1/20/2021	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	1/20/2021	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	1/20/2021	Rhonda Bowman

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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	1/20/2021	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	1/20/2021	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	1/20/2021	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	1/20/2021	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	1/20/2021	Rhonda Bowman
1200	Pinellas County / Public Works	Cross Bayou Improvements Segment 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.	$796,000	FY2021-FY2026 / In Progress	Penny for Pinellas	1/20/2021	Rhonda Bowman
1190	Pinellas County / Public Works	Implementation of the Curlew Creek/Smith Bayou Watershed Management Plan Recommendations	Implementation of the Curlew Creek / Smith Bayou Watershed Management Plan Recommendations (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.	$2,029,000	FY2021 - FY3030 / Not Started	Penny for Pinellas	1/20/2021	Rhonda Bowman
941	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	$3,032,000	FY2020 - FY2024 / In Progress	Penny for Pinellas	1/20/2021	Rhonda Bowman
1049	Pinellas County / Public Works	N Higland Drainage Improvements	(1333A) N Highland Ave Drainage Improvements / 1, 3	$1,140,000	Design FY20. FY20-24	FY20-25 Governmental Capital Budget	1/20/2021	Rhonda Bowman
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	$12,044,000	FY2020 - FY2026 / In Progress	Penny for Pinellas,	1/20/2021	Rhonda Bowman
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	$4,801,600	FY2020 - FY2025 / In Progress	Penny for Pinellas	1/20/2021	Rhonda Bowman
1181	Pinellas County / Public Works	Joe's Creek Greenway Trail and Implementation of projects identified in Joe's Creek WMP to improve flood protection and water quality	Joe's Creek Greenway Trail and Implementation of projects identified in Joe's Creek WMP to improve flood protection and water quality (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	$8,201,000	FY2020 - FY2026 / In Progress	Penny for Pinellas and SWFWMD CFI Grant	1/20/2021	Rhonda Bowman
1175	Pinellas County / Public Works	Implementation of the McKay Creek Watershed Management Plan Recommendations	Implementation of the McKay Creek Watershed Management Plan Recommendations (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	$2,101,000	FY2020 - FY2026 / In Progress	Penny for Pinellas, SWFWMD CFI Grant	1/20/2021	Rhonda Bowman
1172	Pinellas County / Public Works	Implementation of the Starkey Road Watershed Management Plan Recommendations	Implementation of the Starkey Road Watershed Management Plan Recommendations (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	$1,468,000	FY2020 - FY2026 / Not Started	Penny for Pinellas, SWFWMD CFI Grant, Municipal Partners, FDOT Grant	1/20/2021	Rhonda Bowman
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	FY2022 - FY2026 / Not Started	Penny for Pinellas, SWFWMD CFI Grant, Municipal Partners, FDOT Grant	1/20/2021	Rhonda Bowman
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.	244455	FY2023 - FY2029 / Not Started	Penny for Pinellas, SWFWMD CFI Grant, Municipal Partners, FDOT Grant	1/20/2021	Rhonda Bowman
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	FY2021 - FY3030 / Not Started	Penny for Pinellas, SWFWMD CFI Grant, Municipal Partners, FDOT Grant	1/20/2021	Rhonda Bowman

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1157	Pinellas County / Public Works	McKay Creek Operable Lake Controls and SCADA (004134A)	McKay Creek Operable Lake Controls and SCADA (004134A): Preliminary engineering report to develop a lake level optimization plan utilizing real time data and SCADA operated control structures to for the McKay Creek watershed in order to provide increased flood protection for significant rainfall events. / 1 The McKay Creek Watershed Lake Levels Operation Study Technical Memo (March 2020) shows $3,400,000 as conceptual level design/construction cost estimates. The requested HMGP funding amount is $2.5M (74%). The objective of this project is to implement lake level SCADA controls at Taylor Lake and Walsingham Reservoir in the McKay Creek Watershed. The goal is to temporarily "lower" the lake levels before major hurricane / storm events. The "lowered" tail water condition and additional flood-volume in the lakes will significantly improve storm system conveyance and help improve / prevent flooding conditions in the watershed.	$4,375,000	FY2020 - FY2026	Penny for Pinellas and SWFWMD CFI Grant, HMGP	12/1/2021	Rhonda Bowman
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	$2,916,000	FY2020 - FY2023 / In Progress	Penny for Pinellas	1/20/2021	Rhonda Bowman
1035	Pinellas County / Public Works	Cross Bayou Estates Drainage	Cross Bayou Estates Drainage (001328A): Drainage improvements to alleviate residential structural and street flooding in the vicinity of Cross Bayou Estates. / 1	$7,506,000	FY2020 - FY2024 / In Progress	Penny for Pinellas	1/20/2021	Rhonda Bowman
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	$2,562,000	FY2021 - FY2026 / In Progress	Penny for Pinellas	1/20/2021	Rhonda Bowman
1130	Pinellas County / Public Works	South Myrtle Avenue Drainage Improvements from Clearwater Largo Road to Belleair Road	South Myrtle Avenue Drainage Improvements from Clearwater Largo Road to Belleair Road (002434A): Inadequate roadway drainage results in ponding of stormwater on the road. / 1	$1,033,000	FY2020 - FY2022 / In Progress	Penny for Pinellas	1/20/2021	Rhonda Bowman
1215	Pinellas County / Public Works	Regional Stormwater Facility - Basin 28 Coastal Zone 5 (Baypointe Stormwater Conservation Area)	Regional Stormwater Facility - Basin 28 Coastal Zone 5 (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	$4,976,150	FY2020 - FY2024 / In Progress	Penny for Pinellas and SWFWMD CFI Grant	1/20/2021	Rhonda Bowman
887	Pinellas County / Public Works	Oakwood Drive over Stephanie's Channel Bridge Replacement	Oakwood Drive over Stephanie's Channel Bridge Replacement (001035A) / 1, 3	$2,430,000	FY2020-FY2023 / In Progress	Penny for Pinellas	1/20/2021	Rhonda Bowman
941	Pinellas County / Public Works	MSTU Crystal Beach Paving & Drainage Improvements	MSTU Crystal Beach Paving & Drainage Improvements (002932A)	$1,400,000	FY2020 - FY2021 / In Progress	Penny for Pinellas	1/20/2021	Rhonda Bowman
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	1/20/2021	Rhonda Bowman
860	Pinellas County / Public Works	Pinellas Trail - 54th Ave Drainage Improvements (1823)[A]	Pinellas Trail - 54th Avenue Drainage Improvements (000183A): Alleviate flooding on 54th Ave. N, Pinellas Trail, and 97th Way. / 1	$3,297,000	FY2020-FY2021 / In Progress	Penny for Pinellas, SWFWMD CFI Grant	1/20/2021	Rhonda Bowman
881	Pinellas County / Public Works	Lakeshore Estates Phase 2 Roadway and Drainage Improvements	Lakeshore Estates Phase 2 Roadway and Drainage Improvements (001177B): Improvements to the existing stormwater system and road are required to alleviate flooding in portions of Lakeshore Estates. / 1	$2,605,000	FY2020 - FY2022 / In Progress	Penny for Pinellas	1/20/2021	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	$977,000	FY2020 - FY2023 / In Progress	Penny for Pinellas	1/20/2021	Rhonda Bowman
1130	Pinellas County / Public Works	Stormwater Conveyance System Improvement Program (921321)[D]	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	$9,228,000	FY2020 - FY2026 In Progress	Penny for Pinellas	1/20/2021	Rhonda Bowman
New	Pinellas County / Public Works	Drainage Improvements on Pinebrook Canal between 142nd Avenue and Ulmerton Road (002119A)	Reduce flooding at Pinewood Villas through conveyance improvements. / 1	$30,000	FY2020 / Planned	Penny for Pinellas	1/20/2021	Rhonda Bowman
932	Pinellas County / Public Works	Bee Branch Phase 3	Bee Branch Phase 3 Erosion Control (002121C) / 1, 3- Preliminary design of bank stabilization and erosion control along Bee Branch from the west side of 15th St westward to 14th St. / 3	$3,193,000	FY2020 - FY2023 / In Progres	Penny for Pinellas	1/20/2021	Rhonda Bowman
1020	Pinellas County / Public Works	Roosevelt Channel 5 Improvements[F]	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)	$1,476,000	FY2020 - FY2022 / In Progress	Penny for Pinellas and Surface Water Utility Fund	1/20/2021	Rhonda Bowman
1269	Pinellas County / Public Works	Cross Bayou Improvements (002124A)	Cross Bayou Improvements (002124A): Improve conveyance through Cross Bayou Canal to reduce duration of flooding. Channel dredging, restoration, and bank stabilization. / 1, 3 Segment 1 is one segment of the overall Cross Bayou Canal, which is the major drainage channel cross the entire Cross Bayou Watershed. Cross Bayou Canal (CBC) Segment 1 study from 30% Design preliminary engineering design memo (Jan 2021) shows $2,321,000 as construction cost estimate for Segment 1. The HMGP Funds requested amount of $1.7M equates to 73% of this Segment 1 preliminary construction cost estimate. The proposed dredging / reshaping, greenway restoration, and bank stabilizatoin of CBC Segment 1 (about 1.84 miles) will significantly reduce flooding conditions along the channel and for areas upstream of CBC in the Cross Bayou Watershed. Natural System & Green Infrastructure design elements will be incorporated as part of the drainage improvement project.	$9,956,000	FY2020-FY2026 / In Progress	Penny for Pinellas, HMGP	12/1/2021	Rhonda Bowman

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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	$50,000	FY2020 / On Hold	Penny for Pinellas	1/20/2021	Rhonda Bowman
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	$2,491,000	FY2020 - FY2023 / In Progress	Penny for Pinellas	1/20/2021	Rhonda Bowman
1020	Pinellas County / Public Works	McKay Creek Water Quality Improvement Project	McKay Creek Water Quality Improvement Project (002424A) Creation of a two-pond system to remove sediment and improve water quality in McKay Creek / 1, 3	$1,097,000	FY2019-FY2020 In Progress	Penny for Pinellas, SWFMWD CFI Grant, FDOT Grant	1/20/2021	Rhonda Bowman
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	$18,300,000	FY2020 - FY2026 In Progress	Surface Water Utility Fund	1/20/2021	Rhonda Bowman
New	Pinellas County / Public Works	Lealman Regional Stormwater Facility (003001C)	Design and construct regional stormwater facilities in the Lealman Community Redevelopment Area (CRA) / 1	$3,753,000	FY2020-FY2026 / In Progress	Penny for Pinellas	1/20/2021	Rhonda Bowman
1073	Pinellas County / Public Works	Flood Prevention Program	Flood Prevention Program (003800A): Annual program to implement recommendations from WMPs and other studies. / 1, 3	$4,413,000	F2020-FY2026 / In Progress	Penny for Pinellas	1/20/2021	Rhonda Bowman
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	$933,000	F2021-FY2026 / In Progress	Penny for Pinellas	1/20/2021	Rhonda Bowman
932	Pinellas County / Public Works	Mullet Creek	Mullet Creek Channel B Erosion Control (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	$1,651,000	FY2020 - FY2022 / In Progress	Penny for Pinellas	1/20/2021	Rhonda Bowman
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	$1,134,000	FY2020 - FY2023 / In Progress	Penny for Pinellas	1/20/2021	Rhonda Bowman
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	$5,825,000	FY2020 - FY2025 / In Progress	Penny for Pinellas	1/20/2021	Rhonda Bowman
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	$6,762,000	FY2020 - FY2026 / In Progress	Penny for Pinellas	1/20/2021	Rhonda Bowman
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	$1,431,000	FY2020 - FY2024 / In Progress	Penny for Pinellas	1/20/2021	Rhonda Bowman
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	$4,060,000	FY2020 - FY2024 / In Progress	Penny for Pinellas	1/20/2021	Rhonda Bowman
1000	Pinellas County / Public Works	Acquisition of Repetitive Loss Properties	Purchase repetitive loss properties in unincorporated Pinellas County to mitigate losses. Estimated completion time: more than 12 months. / 1	$36,100,000	Currently Unfunded	HMGP, PDM, FMA	1/20/2021	Lisa Foster
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	1/20/2021	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	1/20/2021	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	1/20/2021	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	1/20/2021	Lisa Foster
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	1/20/2021	Nory Hancock
978	Pinellas County / Utilities	Force Main Sampling Equipment to Improve Sanitary Sewage Collection Process	The South Cross Bayou Water Reclamation Facility (SCBWRF) 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	1/20/2021	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	1/20/2021	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	8/11/2021	Thomas Menke

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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	1/20/2021	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@pinellascounty.org
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	1/20/2021	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@pinellascounty.org
1362	Pinellas County / Public Works / Transportation Division	Inverter Kits	A countywide benefit: During the event of Hurricane Irma in September 2017, Pinellas County sustained considerable damage to the power grid resulting in heavy power loss to traffic control lights and warning systems throughout most of the county. To supplement the available power options, an initial assessment was made along with the decision to implement the use of recently designed field inverters countywide. These inverters were specifically developed to provide a quick, temporary power source to traffic signals during power outages. A coordinated effort was organized by the Public Works' Transportation Division with the Pinellas County Sheriff's Office and local municipal law enforcement agencies to address these traffic signal outages, especially those at major intersections. The installation of inverters not only provided a temporary power source to the intersection's affected traffic signal, but also allowed law enforcement, who would normally direct traffic flow under these circumstances, to remain safely out of the flow of traffic. Inverters require only one officer and patrol vehicle to be at each location to run the inverter, versus 3-4 officers per location to manually direct traffic. Below is the list of materials and associated costs for the purchase of 100 inverter kits. 25% match funding could be acquired from Pinellas County Gas Tax. Hazards Addressed: All Hazards Inverter Kits: KISAE SW1220 2000W, 12V Pure Sine Wave Inverter: https://www.donrowe.com/KISAE-SW1220-Power-Inverter-p/sw1220.htm?gclid=Cj0KCQiAkNfSBRCSARIsAL-u3X-GfE2hQ7RIgX0R-B7Sh2zY6a4D0P01pyXLFGSsv6o-0mg7Q45SoToaAm3xEALw_wcB #3/0 AWG 10ft cable set: http://www.donrowe.com/product-p/awg30-10.htm 300A ANL Fuse: http://www.donrowe.com/ANL300-300A-ANL-Fuse-p/anl300.htm	$62,000	Currently Unfunded	HMGP	1/20/2021	
1392	Pinellas County / Public Works / Transportation Division	Roll-n-Pole Portable Sign Holder Kit	**A countywide benefit**: The roll-n-poll stop signs are easily accessible and portable. If traffic signals are to lose power in the event of a storm, these stop signs can be used in coordation with the Pinellas County Sheriff's Office and local municipal law enforcement agencies to assist with traffic control at roadways and intersections countywide. This will provide safer travel for drivers, while also enabling law enforcement to tend to other matters that occur during or after a major event. During the event of Hurricane Irma in September 2017, Pinellas County did sustained considerable damage to the power grid resulting in heavy power losses to traffic control lights and warning systems throughout most of the county. This included loss of power to a minimum of 148 of the 365 traffic signals maintained by the Pinellas County Public Works' Transportation Division. The Pinellas County Sheriff's Office provided traffic control manually at 75 intersections the day after the storm. For larger signal locations, as many as four deputies and four police cruisers were required at a single intersection to safely control traffic. One of the methods used to control traffic was the use of stop signs that were constructed on bulky wooden pallets making them portable. However, there were not enough stop signs to provide necessary coverage at all of the intersections. The Roll-n-Pole stop signs will provide an easy to use method to assist with traffic flow and coordination during future emergency events. 25% match funding could be acquired from Pinellas County Gas Tax. Hazards Addressed: All Hazards 500 Roll-n-Pole Portable Sign Holders: 24" sign with 46" pole & 18" diameter base: https://www.roadtrafficsigns.com/stop-46in-portable-sign-holder-kit/sku-k-roll-1097	$59,835	Currently Unfunded	HMGP	1/20/2021	
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	1/20/2021	

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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	HMGP	1/20/2021	Lisa Foster
1245	Pinellas County / Public Works / Transportation Division	Solar Traffic Signal - Test Bed	A countywide benefit: To develop a battery/solar powered traffic signal equipment to provide power outage protection for traffic control devices at test locations throughout the county. A solar traffic signal will support the efficient flow of motorists in the event that a traffic signal may lose electricity during a storm or related event. The technology developed and used for the solar traffic test beds could be utilized throughout the entire county maintained signal system. This would help Pinellas County reduce its dependence on utility power as much as possible and could lead to a substantial power and money savings in the future. 25% match funding could be acquired from Pinellas County Gas Tax. Hazards Addressed: All Hazards	$300,000	Currently Unfunded	HMGP	1/20/2021	
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 Bypass 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	HMGP	1/20/2021	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	HMGP	1/20/2021	Rhonda Bowman
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.	$89 Million	Currently Unfunded	Funding could potentially come from the Capital Improvement Program within the Infrastructure Sales Tax (Penny for Pinellas)	1/20/2021	Alexis Ferguson
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 - $1M Construction - $12M	Currently Unfunded	Funding could potentially come from the Capital Improvement Program within the Infrastructure Sales Tax (Penny for Pinellas)	1/20/2021	Alexis Ferguson
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 in1956.	$18 Million - Construction	Currently Unfunded	Funding could potentially come from the Capital Improvement Program within the Infrastructure Sales Tax (Penny for Pinellas)	1/20/2021	Alexis Ferguson
1134	PC / Transportation Division of Public Works	13th Street 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.	$3.5 Million	Currently Unfunded	Funding could potentially come from the Capital Improvement Program within the Infrastructure Sales Tax (Penny for Pinellas)	1/20/2021	Alexis Ferguson

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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.	$4 Million	Currently Unfunded	Funding could potentially come from the Capital Improvement Program within the Infrastructure Sales Tax (Penny for Pinellas)	1/20/2021	Alexis Ferguson
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)	1/20/2021	Alexis Ferguson
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)	1/20/2021	Alexis Ferguson
1272	PC / Transportation Division of Public Works	Span Wire Intersection Replacement Program/Traffic Signal Hardening (20 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. 20 intersections in need of funding, at approximately $650k 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.	$650,000 per intersection for construction (20 intersections)	Currently Unfunded (20 intersections)	Potential match funding from the Capital Improvement Program PID 004152A Intersection Program	12/1/2021	Alexis Ferguson
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)	1/20/2021	Alexis Ferguson
1270	Pinellas Park /City of Pinellas Park Fire Department	Fire Station 35 Fuel Tank Replacement	Convault Tank Installation for Emergency Generator to Maintain Service / 4	$35,000	Fuel tank replacement pending upgrade to existing generator and electrical panel. Project carried forward to FY 20/21 CIP.	Infrastructure Sales Tax	1/20/2021	Suzanne Boisvert
933	Pinellas Park / City of Pinellas Park Public Works Department	Stormwater Project: 60th St Roadway, Utilities & Drainage Improvements	Improvement of drainage and related infrastructure along 60th Street N. from 102nd Avenue N. to 110th Avenue N., including culverting existing ditches, installing sidewalks, replacement of existing asbestos concrete water main with new 6" PVC, and reconstruction of existing roadway. /4	$3,220,000	Unfunded project listed in Pinellas Park CIP for FY 19/20 to FY 23/24.	IST, CDBG, FDEP, Stormwater Utility Fee	1/20/2021	Suzanne Boisvert
1199	Pinellas Park /City of Pinellas Park Fire Department	Fire Station 16	Relocation or construction of fire station ./4	$4,000,000	Unfunded	IST, Pinellas County, HMGP, FEMA Grant, Local coffers	1/20/2021	Suzanne Boisvert
1199	Pinellas Park /City of Pinellas Park Fire Department	Fire Station 35	Relocation or construction of fire station ./4	$4,000,000	Unfunded	IST, Pinellas County, HMGP, FEMA Grant, Local coffers	1/20/2021	Suzanne Boisvert
1199	Pinellas Park /City of Pinellas Park Fire Department	Fire Station 36 (Mainlands/Gateway)	Construction of new 3-bay fire station to serve the Mainlands/Gateway at at 4050 80th Ave. /4	$5,000,000	Temporary station erected FY19/20. Construction start of permanent station slated for FY20/21 with completion FY 21/22. Groundbreaking October 2020	IST/ Penny bond funds/Pinellas County Fire District	1/20/2021	Suzanne Boisvert
1068	Pinellas Park / City of Pinellas Park Public Works Department	Park Station Hardening and Generator	(HMGP 4337-588) 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	Under FEMA review. Project carried over to FY 20/21 CIP.	HMGP	1/20/2021	Suzanne Boisvert
1061	Pinellas Park / City of Pinellas Park Public Works Department	Barbara S. Ponce Library Hardening and Generator	Throughout history, public libraries have served communities during times of crisis and have played a critical role in helping create a sense of normalcy amid chaos. In the wake of Hurricane Irma, the Barbara S. Ponce (BSP) Library in Pinellas Park became an anchor for the community by providing a safe place for citizens to gather and find out the latest post-storm information. Irma had weakened to a tropical storm by the time it passed east of Pinellas County, yet it left over 430,000 customers in the county without power – some for over a week. Many of those customers were able to take refuge in the library after the storm to cool off, recharge their devices and use the library's bank of computers to check email and apply for disaster assistance. Irma's impact was minimal which allowed the library to open quickly after the storm. However, the library's structure is not equipped or designed to withstand hurricane-force winds. The BSP Library is a critical asset to the community and needs certain modifications to ensure its ability to provide continued services to city and county citizens after a disaster.In an effort to protect property and become a more disaster resilient community, the proposed project includes hardening of Barbara S. Ponce Library to include roof, walls, opening protection and installation of a permanent generator.	$1,075,000	Currently under review with FDEM. FY 20-21..	HMGP	1/20/2021	Suzanne Boisvert
1124	Pinellas Park / City of Pinellas Park Public Works Department	Public Facilities Wind Retrofit and Generator (formerly Installation of Shutters at City Buildings)	(HMGP-4337-598R) The proposed project will consist of hardening windows and doors at sixteen 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-4337-590 Shutter Installation and HMGP-4337-589 Barbara S. Ponce Library Retrofit and Generator Installation into the current project HMGP-4337-598R Public Facilities Wind Retrofit and Generator.)	$1,362,920	Under FEMA review. Project carried over to FY 20/21 CIP.	HMGP	1/20/2021	Suzanne Boisvert

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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.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)	1/20/2021	Suzanne Boisvert
970	Pinellas Park / City of Pinellas Park Public Works Department	Forbes Recreation Center-Structure Hardening	Harden the recreation center to temporarily house emergency critical employees during and after a storm event. Estimated completion time: more than 12 months. / 2	$775,000	Currently Unfunded. Time frame unknown.	EMPATF, HMGP; PDM Program; & local funds	1/20/2021	Suzanne Boisvert
980	Pinellas Park / City of Pinellas Park Fire Department	Relocation or Construction of FS 34	Fire Station #34 at its present location cannot effectively service the geographic area which it originally serviced due to unanticipated growth and expansion. It is necessary to either relocate FS 34 or construct another station to serve the western third of the community. /4	$5,000,000	Unfunded project listed in Pinellas Park CIP for FY 19/20 to FY 23/24.	EMPATF, HMGP; PDM Program; & local funds	1/20/2021	Suzanne Boisvert
1020	Pinellas Park / City of Pinellas Park Public Works Department	Fairlawn Subdivision Drainage Improvements	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	Unfunded project listed in Pinellas Park CIP for FY 19/20 to FY 23/24.	Local Funds, SWFWMD Grant, EMPATF, HMGP; PDM CDBG.	1/20/2021	S. Boisvert
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 relocates and upgrades.	$4,200,000	Unfunded project listed in Pinellas Park CIP for FY 19/20 to FY 23/24.	Local Funds, SWFWMD Grant, EMPATF, HMGP; PDM CDBG.	1/20/2021	Suzanne Boisvert
926	Pinellas Park / City of Pinellas Park Public Works Department	Pond Improvements: 46th Street & 76th Avenue.	Perform maintenance on a wet pond and bring it back to the original site plan specifications and dredge.	$100,000	Project start FY 20/21	Infrastructure Sales Tax	1/20/2021	S. Boisvert
846	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.	$4,700,000	Unfunded project listed in Pinellas Park CIP for FY 19/20 to FY 23/24.	CDBG, Stormwater fee	1/20/2021	Suzanne Boisvert
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.	$24,000,000	Bond Funds	Design and Site Prep: FY 20/21. Construction phase anticipated FY 21/22 to 22/23.	1/20/2021	Suzanne Boisvert
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.	$328,120	Currently Unfunded	HMGP	1/20/2021	
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	1/20/2021	
1311	REBUILD Northwest Florida, Innc.	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	HMGP	1/20/2021	Chris Moore
909	Redington Beach / Public Works	Public Works Emergency Generator	Purchase and installation of new portable generator at the Public Works facility. The Town of Redington Beach is seeking funds that will provide an alternate electrical power source capable of running the Public Works facility's AC system as well as sufficient outlets to run additional equipment. / 1,2,4	$1,000	Town Funded	Local	1/20/2021	Adriana Nieves
929	Redington Beach / Public Works	Rebuild Public Works Facility	The curent 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, HMGP, Local	1/20/2021	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	1/20/2021	Adriana Nieves
783	Redington Beach / Engineering	Underground Utilities	Place underground utilities along the east side of Gulf Boulevard from 155th Ave to 164th Ave. Estimated completion time: more than 12 months. / 2	$1,500,000	Funded by Pinellas County	Penny for Pinellas	1/20/2021	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	1/20/2021	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	1/20/2021	Adriana Nieves

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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	1/20/2021	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	Currently Unfunded	SWFMD, local	1/20/2021	Adriana Nieves
876	Redington Beach / Planning and Engineering	Mitigation of Rising Sea Levels Study	Hire a consultant to conduct a study regarding rising sea level impacts and possible mitigation measures and associated mitigation measure costs.	$100,000	Currently Unfunded	DOT Grant (County Incentive Program); Capitalization Grants for Clean Water State Revolving Funds; CDBG; HMGP; HMGP Planning; Local Funding	1/20/2021	Adriana Nieves
1080	Redington Beach / Public Works	Stormwater Backflow Valve	Minimize flooding in 4 of the town's flood - prone areas. These areas frequently flood during major rain events and high tide. / 1	$157,000	FY 21-22	TBEP Grant, Local	1/20/2021	Adriana Nieves
846	Redington Beach / Public Works	Stormwater Improvements	Rebuild stormwater drainage system in the last two (2) phases. Three phases were completed in 2008. Estimated completion time: more than 12 months. / 1	$5,000,000	Currently Unfunded	SWFMD, local	1/20/2021	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 telelvision and cable access for increased awareness in the event of weather or security events.	$50,000	Currently unfunded	Local	1/20/2021	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	HMGP, local	1/20/2021	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	1/20/2021	Adriana Nieves
939	Redington Shores / Public Works	Lift Station Portable Emergency Generators	Purchase 3 trailer mounted 90KW/3 phase portrable generators. These generators would be used to maintain operation of sewer lift stations during power outages.	$140,000	Partial funding from town.	HMGP	1/20/2021	Michael Robinson
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	1/20/2021	Luke Curtis
870	Redington Shores / Preservation / Parks area	Create a Beach (Erosion) Management plan.	Provide for plans and specifications to expand existing Dune System and Walkover use. Estimated completion time: more than 12 months. / 2	$150,000	Currently Unfunded	CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants; HMGP Planning	1/20/2021	Luke Curtis
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	1/20/2021	MaryBeth Henderson
960	Redington Shores / Sewer Department	Flood and wind retrofit of lift stations	Storm proof sanitary sewer lift stations (3). Estimated completion time: less than 12 months. / 1	$550,000	Funding by SWFWMD Grant and Town C.I.P. 2008-2009.	Capitalization Grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants; HMGP Planning	1/20/2021	Luke Curtis
1049	Redington Shores	Redington Shores Stormwater Infrastructure Improvements	The Town of Redington Shores covers 220 acres with 1.19 miles of shoreline and a total of 6.33 road miles. It is situated on Sand Key in west central Pinellas County and is bound by the Gulf of Mexico to the west and by Boca Ciega Bay, a protected aquatic preserve, to the east. The Town recognizes the risk of sea level rise and climate change induced hydrological changes and is developing a SLR and stormwater master plan for resiliency to address the problem. The overall goal of this project is to repair damages related to 43 (out of a total of 216 outfalls in the Town) stormwater outfall lines, thereby addressing future resiliency of buildings and infrastructure throughout the Town. The overall result will reduce flood risk for development and re-development, while increasing the sustainability of structures over their lifespan. Proposed improvements shall adhere to the requirement of the Southwest Florida Water Management District (SWFWMD), Florida Department of Environmental Protection (FDEP), United States Army Corps of Engineers (USACOE), etc. to support the maintenance activities of ponds, ditches, and pipes to leverage Green Infrastructure techniques to achieve stormwater pollution load reduction as part of the design, as well as consideration of Sea Level Rise.	$425,000	Currently Unfunded	HMGP DR-4486, Town of Redington Shores	12/1/2021	Michael Robinson
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.	$60,000	FY 21/22	Local funding	1/20/2021	Brandon Henry
1176	Safety Harbor / Public Works	Gulf Machinery Station Repair	Complete Renovation of Sanitary Sewer Lift Station. / 1,2	$75,000	FY 23/24	Local funding	1/20/2021	Brandon Henry
1320	Safety Harbor / Public Works	Baytowne West Lift Station	Complete Renovation of Sanitary Sewer Lift Station. / 1,2	$60,000	FY20/21	Local	1/20/2021	Brandon Henry
1270	Safety Harbor / Public Works	Harbor Woods Lift Station Repair	Complete Renovation of Sanitary Sewer Lift Station. / 1,2	$75,000	FY22/23	Local	1/20/2021	Brandon Henry

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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.	$45,000	TBD	Unfunded	1/20/2021	Brandon Henry
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.	$80,000	TBD	Unfunded	1/20/2021	Brandon Henry
944	Safety Harbor/Public Works	2nd St. S/6th Ave. Improvements	Grade/Pave intersections to alleviate stormwater flooding and create positive drainage toward existing inlet./1	$91,000	FY20/21	Local	1/20/2021	Brandon Henry
944	Safety Harbor/Public Works	Coventry E. Cul-de-Sac	Grade/Pave cul-de-sac to alleviate stormwater ponding and create positive drainage toward existing stormwater inlet./1	$65,000	FY20/21	Local	1/20/2021	Brandon Henry
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	FY20/21	Local	1/20/2021	Brandon Henry
1176	Safety Harbor/Public Works	Master Lift Station Repair – Pump #2	Replace Pump #2 at the Master Pump Station./1, 4	$80,000	FY21/22	Local	1/20/2021	Brandon Henry
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	1/20/2021	Brandon Henry
950	South Pasadena / Public Works	Generators	Install emergency generator at city hall. Estimated completion time: less than 12 months. / 4	$60,000	Currently Unfunded; Project for FY 2021	Residential Construction Mitigation Program; EMPATF, HMGP; PDM Program; Penny for Pinellas	1/20/2021	David Mixson
1352	South Pasadena / Fire Department	Portable Generator and Transfer Switch Upgrade at Fire Station 20	Purchase and installation of new portable 175kW diesel generator and applicable electronic transfer switch at Fire Station #20 in South Pasadena, FL. Post Hurricane Irma, Fire Station 20 lost electrical power for four (4) days. During this time frame, Station 20 relied on an older generator configuration that was unable to supply sufficient electricity to run the air conditioning system or sufficient electrical outlets throughout the fire station. The City of South Pasadena is seeking funds that will provide an alternate electrical power source capable of running the fire station's AC system as well as sufficient outlets to run station computers, dispatch printer(s), and communications equipment. Natural Hazards addressed include 1-Flooding, 2 - Strom Wind, and 4 - All Hazard.	$78,000	Currently Unfunded; Project for FY 2021	Pre-Disaster Mitigation (PDM), Hurricane Program, Penny Sales Tax	1/20/2021	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.	$4,500,000	Currently Funded; Project for FY 2021	Pre-Disaster Mitigation (PDM), Hurricane Program, Penny Sales Tax	1/20/2021	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	1/20/2021	
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	1/20/2021	
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	1/20/2021	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	1/20/2021	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	1/20/2021	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		1/20/2021	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		1/20/2021	Lynn Rosetti
1313	St. Pete Beach	Stormwater Improvements	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.	1/20/2021	Lynn Rosetti

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1119	St. Pete Beach	Seawall Rehabilitation - Community Center Seawall	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.	$1,500,000	Currently Unfunded	Capital Projects Fund, HMGP	12/1/2021	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	1/20/2021	Lynn Rosetti
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	1/20/2021	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 heighth of the walkover to permit the dunes to grow./1,3	$120,000	Less than 12 months	Grant from Pinellas County	1/20/2021	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	1/20/2021	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	1/20/2021	Lynn Rosetti
1080	St. Pete Beach	Boca Ciega Isle 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	1/20/2021	Lynn Rosetti
1227	St. Pete Beach / Fire	Fire Department Dock	Infrastructure improvements to the City-owned area at 7701 Boca Ciega Dr to facilitate the operation of Fire Boat 22 (100% County-funded vessel). Improvements include a dock, boat lift, and all required electrical equipment.	$35,000	Less than 12 months	Capital Projects Fund	1/20/2021	J.Kilpatrick
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	1/20/2021	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	1/20/2021	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	1/20/2021	Lynn Rosetti
1065	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	$4,900,000	5 years	Wastewater Fund	1/20/2021	Lynn Rosetti
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	1/20/2021	K.Intzes

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1230	St. Petersburg / City of St. Petersburg/ Public Works Department - Engineering	Southwest Water Reclamation Facility Resiliency Wall	The City of St. Petersburg Engineering Department proposes to use FEMA Hazard Mitigation Grant Program (HMGP) funds to design and construct a hydrostatic wall surrounding the Southwest Water Reclamation Facility (SWWRF). The SWWRF is located less than a mile from the Gulf of Mexico and currently resides in Zone AE, equivalent to a 1 percent annual chance inundation area, with a Base Flood Elevation (BFE) of 11 to 12 throughout the site. The site is at medium to high exposure risk of flooding, and if the facility is inundated and rendered out of service, there is the potential that untreated wastewater would discharge into the Gulf of Mexico and the facility could be out of service for a significant duration of time. Most assets at the site are elevated to similar heights (between 11 and 12 feet NAVD), which leaves limited capacity to respond to current and future conditions such as sea level rise. The Tampa Bay Climate Science Advisory Panel (CSAP) has found that the Tampa Bay region may experience sea level rise somewhere between 6 inches to 2.5 feet by 2050, which could increase the BFE at the SWRRF site by as much. The proposed flood wall will protect the facility during present-day and future storm surge events, benefitting the structural longevity of the SWWRF and allowing the facility to continue operation and provide wastewater service to a large service population that extends beyond City boundaries. The flood wall will provide further benefit to the surrounding wetland habitats and neighboring properties by preventing any sanitary sewer overflows that may occur during heavy events from exfiltration the site. Implementation of the floodwall would accomplish not one but two Pinellas County LMS Goals: 1. Become a more disaster resilient community; and 2. Minimize coastal flooding losses in the coastal high hazard area, coastal storm area, and hurricane vulnerability zone. The proposed project also meets multiple objectives under these goals, including: Objective 1.6 (Property Protection): Identify, assess, prioritize, and harden critical facilities and key critical infrastructure. Objective 1.11 (Structural Projects): Support the construction of structures that reduce the impact of hazards including stormwater controls, floodwalls, seawalls, security and monitoring capabilities, and safe rooms. Objective 2.8 (Structural Projects): Identify structural projects where appropriate that minimize coastal flooding loss but protect environmental resources.	$6,000,000	Currently Unfunded	HMGP	1/20/2021	
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	1/20/2021	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	1/20/2021	
1002	St. Petersburg / City of St. Petersburg/ Public Works Department - Engineering	Central Yacht Basin Seawall Project	The City of St. Petersburg proposes to use FEMA Hazard Mitigation Grant Program (HMGP) funds to design and implement a seawall mitigation program in the Central Yacht Basin of the City's Municipal Marina. The Marina is the largest in the state, with more than 600 rental boat slips, and is integral to the City's Downtown Waterfront. The seawalls within the Central Basin of the Marina currently protect key cultural landmarks of the Downtown Waterfront, including Demens Landing Park, Pioneer Park, and several restaurants and shops adjacent to Bayshore Drive. These structures are all located within Flood Zone AE, with a Base Flood Elevation (BFE) of 8 feet, and are exposed to flood hazards. However, the original Central Basin seawalls were only designed to 2.5 feet NAVD, less than a 10-year level of protection. The seawalls are prone to overtopping during surge events often impacting the use of Bayshore Drive, a multi-use scenic byway that provides visual and physical access to Tampa Bay and is often the location of local gatherings such as farmer's markets. To further support economic growth and investment in Downtown and to protect residential, commercial, cultural, and public assets, the City proposes to increase the level of protection of the existing seawalls to mitigate future conditions associated with sea level rise. The Tampa Bay Climate Science Advisory Panel (CSAP) has found that the Tampa Bay region may experience sea level rise somewhere between 6 inches and 2.5 feet by 2050, which could increase the BFE at the Marina and hurricane surge driven flooding. The enhanced seawalls will be designed to compliment future plans for a new Pier District to the north and a waterfront promenade along Bayshore Drive, which will enhance existing green space and improve pedestrian accessibility and connectivity across the Marina. Increasing the level of protection of the seawalls in the Central Yacht Basin will not only provide protection to surrounding cultural assets in the long term in the face of sea level rise, but also tie into a comprehensive plan for the Downtown Waterfront that will provide co-benefits such as improved open space, increased economic activity, and social cohesion opportunities. The seawall project will also accomplish multiple Pinellas County LMS Goals: 1. Become a more disaster resilient community; and 2. Minimize coastal flooding losses in the coastal high hazard area, coastal storm area, and hurricane vulnerability zone. The proposed project also meets multiple objectives under these goals, including: Objective 1.6 (Property Protection): Identify, assess, prioritize, and harden critical facilities and key critical infrastructure. The City considers seawalls key critical infrastructure as the walls not only serve to protect Downtown assets from storm surge, but also retain filled land from eroding into the Bay and degrading water quality. Objective 1.11 (Structural Projects): Support the construction of structures that reduce the impact of hazards including stormwater controls, floodwalls, seawalls, security and monitoring capabilities, and safe rooms. Seawalls are explicitly listed in this objective.	$6,300,000	Currently Unfunded	HMGP	1/20/2021	

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1002	St. Petersburg / City of St. Petersburg/ Public Works Department - Engineering	North Yacht Basin Seawall Project	The City of St. Petersburg proposes to use FEMA Hazard Mitigation Grant Program (HMGP) funds to design and implement a seawall mitigation program in the North Yacht Basin of the City's Municipal Marina. The Marina is the largest in the state, with more than 600 rental boat slips, and is integral to the City's Downtown Waterfront. The seawalls within the North Basin of the Marina currently protect key cultural landmarks of the Downtown Waterfront, including the Vinoy Renaissance hotel, Straub Park, the Museum of Fine Arts, and the Museum of History. These structures are all located within Flood Zone AE, with a Base Flood Elevation (BFE) of 8 feet, and are exposed to flood hazards. However, the original North Basin seawalls were only designed to 4 feet NAVD, a 10-year level of protection. The seawalls are prone to overtopping during surge events often impacting the use of Bayshore Drive, a multi-use scenic byway that provides visual and physical access to Tampa Bay and is often the location of local gatherings such as farmer's markets. To further support economic growth and investment in Downtown and to protect residential, commercial, cultural, and public assets, the City proposes to increase the level of protection of the existing seawalls to mitigate future conditions associated with sea level rise. The Tampa Bay Climate Science Advisory Panel (CSAP) has found that the Tampa Bay region may experience sea level rise somewhere between 6 inches and 2.5 feet by 2050, which could increase the BFE at the Marina and hurricane surge driven flooding. The enhanced seawalls will be designed to compliment future plans for a new Pier District to the north and a waterfront promenade along Bayshore Drive, which will enhance existing green space and improve pedestrian accessibility and connectivity across the Marina. Increasing the level of protection of the seawalls in the North Yacht Basin will not only provide protection to surrounding cultural assets in the long term in the face of sea level rise, but also tie into a comprehensive plan for the Downtown Waterfront that will provide co-benefits such as improved open space, increased economic activity, and social cohesion opportunities. The seawall project will also accomplish multiple Pinellas County LMS Goals: 1. Become a more disaster resilient community; and 2. Minimize coastal flooding losses in the coastal high hazard area, coastal storm area, and hurricane vulnerability zone. The proposed project also meets multiple objectives under these goals, including: Objective 1.6 (Property Protection): Identify, assess, prioritize, and harden critical facilities and key critical infrastructure. The City considers seawalls key critical infrastructure as the walls not only serve to protect Downtown assets from storm surge, but also retain filled land from eroding into the Bay and degrading water quality. Objective 1.11 (Structural Projects): Support the construction of structures that reduce the impact of hazards including stormwater controls, floodwalls, seawalls, security and monitoring capabilities, and safe rooms. Seawalls are explicitly listed in this objective.	$4,300,000	Currently Unfunded	HMGP	1/20/2021	
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	1/20/2021	
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	1/20/2021	
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	1/20/2021	
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	1/20/2021	
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	1/20/2021	
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	1/20/2021	
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	1/20/2021	
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	1/20/2021	
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	1/20/2021	
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	1/20/2021	
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	1/20/2021	
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	1/20/2021	
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	1/20/2021	
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	1/20/2021	

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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	1/20/2021	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	1/20/2021	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	1/20/2021	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	1/20/2021	
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	1/20/2021	
1170	St. Petersburg / City of St. Petersburg/ Public Works Department - Stormwater, Pavement, and Traffic Operations	Oak Street NE and Gandy Blvd Storm Drainage Improvements	Project will construct large conveyance piping to reduce street and property flooding. /1	$1,000,000	FY16- FY18	Local	1/20/2021	Noah Taylor
1430	St. Petersburg / City of St. Petersburg/ Public Works Department	Stormwater Management Master Plan Update	Update 1994 Stormwater Management Master Plan utilizing SWFWMD criteria. /1	$1,800,000	FY17-FY20	SWFWMD/Local	1/20/2021	Noah Taylor
1245	St. Petersburg / City of St. Petersburg/ Public Works Department - Water Resources	Cosme Water Treatment Facilities Structural Improvements	This project will provide wind mitigation improvements to water treatment plant buildings constructed in the 1960's and earlier. They include the Chemical, Chlorine, Fluoride, Pump/Filter, and Gulf to Bay Pumping Station buildings. The existing buildings are not structurally sufficient to provide shelter of emergency critical staff and remain operational during and after a hurricane.	$1,000,000	Currently Unfunded	Bond CIP Funded	1/20/2021	Noah Taylor
1181	St. Petersburg / City of St. Petersburg Public Works Department	Main Laboratory Replacement	Replace the Water Resources Department main Laboratory Building with a modern laboratory sufficient to conduct accurate analysis of samples taken at water reclamation and potable water treatment plant and other locations throughout the city. The existing building is not structurally sufficient to provide shelter of emergency critical staff and remain operational during and after a hurricane.	$4,400,000	Currently Unfunded	Bond CIP Funded	1/20/2021	Noah Taylor
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.	$4,250,000	Currently Unfunded	Bond CIP Funded	1/20/2021	Noah Taylor
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.	$4,250,000	Currently Unfunded	Bond CIP Funded	1/20/2021	Noah Taylor
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.	$4,250,000	Currently Unfunded	Bond CIP Funded	1/20/2021	Noah Taylor
1223	St. Petersburg / City of St. Petersburg/ Public Works Department	Water Resources Maintenance Building Replacement	This project provides for the replacement of Water Resources Building C and M 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.	$2,750,000	Currently Unfunded	Bond CIP Funded	1/20/2021	Noah Taylor
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.	$12,000,000	Currently Unfunded	Penny for Pinellas Local Option Sales Tax	1/20/2021	Noah Taylor
1193	St. Petersburg / City of St. Petersburg/ Public Works Department	NE Water Reclamation Facility MCC Building	This project provides for the replacement of a building located in an Evacuation Zone A that contains electrical switch gear and controls for essential wastewater treatment process equipment with a new building meeting current wind and flood building code requirements.	$1,500,000	Currently Unfunded	Bond CIP Fund	1/20/2021	Noah Taylor
1193	St. Petersburg / City of St. Petersburg/ Public Works Department	SW Water Reclamation Facility MCC Building	This project provides for the replacement of a building located in an Evacuation Zone A that contains electrical switch gear and controls for critical wastewater treatment process equipment with a new building meeting current wind and flood building code requirements.	$1,500,000	Currently Unfunded	Bond CIP Fund	1/20/2021	Noah Taylor
1121	St. Petersburg / City of St. Petersburg/ Public Works Department	Bartlett Park Area Storm Drainage Improvements	This project includes construction of stormwater improvements to alleviate heavy flooding along Bartlett Park area and into recreation center in the neighborhood. Existing flooding is severe enough to reduce functionality of public park and services as well as endanger public safety.	$1,400,000	Currently Unfunded	Bond CIP Fund	1/20/2021	Noah Taylor
1026	St. Petersburg / City of St. Petersburg/ Public Works Department	Broadwater at 42nd Ave S and 37th St/S Storm Drainage Improvements	This project includes construction of stormwater improvements to alleviate heavy flooding along in the Broadwater Neighborhood. Current flooding has caused repetitive loss to vehicle and encroached on house structures as well as impeding road travel evacuating the neighborhood	$1,200,000	Currently Unfunded	Bond CIP Fund	1/20/2021	Noah Taylor
906	St. Petersburg / City of St. Petersburg/ Public Works Department	5th Ave Improvements East of 72nd Street	This project includes construction of stormwater improvements to alleviate a stormwater system that incorporates a large community that has experienced some repetitive loss and flooding concerns. It has been identified in a stormwater masterplan update as a possible improvement area.	$1,580,000	Currently Unfunded	Bond CIP Fund	1/20/2021	Noah Taylor

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1340	St. Petersburg	Cosme Water Treatment Plant Emergency Operations Center Code Plus Project	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-Odessa 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. 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. 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 Project in accordance with FEMA Hazard Mitigation Assistance (HMA) Unified Guidance. Phase 1 will include engineering, design, permitting, final estimated costs, and environmental review required for the project, along with a second	$4,000,000	Currently Unfunded	HMGP	12/1/2021	Waunda C. Henry
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	1/20/2021	
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	1/20/2021	
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	1/20/2021	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	1/20/2021	Michael Denehy
1160	Tarpon Springs / Housing Authority	Door & Window Upgrades	Replacement of all original doors and windows to meet Forida building codes, Miami-Dade wind codes, and impact resistant ratings.	$96	Currently Unfunded	CDBG, HUD	1/20/2021	Michael Denehy
850	Tarpon Springs / IT Division	Fiber	Run fiber from City Hall to Dixie Highway then to Reverse Osmosis Plant	$250,000	Currently Unfunded	General funds	1/20/2021	Heather Urwiller
840	Tarpon Springs / IT Division	Mobile Work Orders	GIS to intgerate with the mobile work orders	$50,000	Currently Unfunded	General Funds	1/20/2021	Heather Urwiller
921	Tarpon Springs / Project Administration Departn	Cedar Street Roadway/Infrastructure Upgrades	Cedar Street roadway improvements and new stormwater infrastructure installation	$300,000	Construction Completed	SW Utility and Penny for Pinellas	1/20/2021	Bob Robertson
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	$1,300,000	Currently Unfunded	Water and Sewer Enterprise Fund	1/20/2021	Heather Urwiller
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	1/20/2021	Heather Urwiller
993	Tarpon Springs / Streets & Stormwater Division	Vehicles	Purchase CAT Mini Excavator & Trailoer for in-house construction and maintenance of Stormwater infrastructure. Estimated completion time: Ongoing. / 1,3	$89,000	Purchasing	Stormwater Tax Assessment	1/20/2021	Heather Urwiller
1170	Tarpon Springs / Streets & Stormwater Division	Spruce Street flood abatement SAP 29	Project to reduce/eliminate localized flooding and emergency vehicle access.	$151,230	Currently Funded & Included in the Pent/Grosse Project	Stormwater Tax Assessment, EMPATF, HMGP; PDM Program	1/20/2021	Heather Urwiller
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 Awareded/ Estimated Completion Jan 2022	Stormwater Tax Assessment, SWFWMD Cooperative Funding Initiative (50% Match)	1/20/2021	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	Stormwater Tax Assessment, SWFWMD Cooperative Funding Initiative (50% Match)	1/20/2021	Heather Urwiller
1120	Tarpon Springs / Streets & Stormwater Division	Athens/Dodecanese flood abatement SAP 42	Project to reduce/eliminate localized flooding and emergency vehicle access.	$110,915	Construction Completed	Stormwater Tax Assessment	1/20/2021	Bob Robertson
1180	Tarpon Springs / Streets & Stormwater Division	Palm Avenue flood abatement SAP 22	Project to reduce/eliminate localized flooding and emergency vehicle access.	$499,958	Construction 70% Complete	Stormwater Tax Assessment & SWFWMD Cooperative Funding Initiative	1/20/2021	Bob Robertson
1160	Tarpon Springs / Streets & Stormwater Division	GIS Mapping of Stormwater Infrastructure	Project to reduce/eliminate localized flooding and emergency vehicle access.	$200,000	Begin 10-1-17 & Complete 2019/20	Stormwater Tax Assessment, SWFWMD Cooperative Funding Initiative (50% Match)	1/20/2021	Heather Urwiller

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1170	Tarpon Springs / Streets & Stormwater Division	Avoka Drive flood abatement SAP 74	Project to reduce/eliminate localized flooding and emergency vehicle access.	$255,600	Currently Unfunded	Stormwater Tax Assessment, EMPATF, HMGP; PDM Program	1/20/2021	Heather Urwiller
1140	Tarpon Springs / Streets & Stormwater Division	Mango Street & Mango Circle flood abatement SAP 102	Project to reduce/eliminate localized flooding and emergency vehicle access.	$840,000	Construction Award 10/2020, complete 11/2021	Stormwater Tax Assessment, EMPATF, HMGP; PDM Program	1/20/2021	Bob Robertson
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	1/20/2021	Heather Urwiller
1160	Tarpon Springs / Streets & Stormwater Division	Levis between Lime & Oakwood flood abatement SAP 25	Project to reduce/eliminate localized flooding and emergency vehicle access.	$248,638	Currently Unfunded	Stormwater Tax Assessment, EMPATF, HMGP; PDM Program	1/20/2021	Heather Urwiller
1190	Tarpon Springs / Streets & Stormwater Division	Kenneth Way & Seaside flood abatement SAP 57	Project to reduce/eliminate localized flooding and emergency vehicle access.	$91,000	Currently Unfunded	Stormwater Tax Assessment, EMPATF, HMGP; PDM Program	1/20/2021	Heather Urwiller
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	1/20/2021	Megan Araya
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.	$1,980,000	Currently Unfunded	CDBG Mitigation Grant; Water Sewer Enterprise Fund	1/20/2021	Megan Araya
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.	$2,425,000	Currently Unfunded	CDBG Mitigation Grant; Water Sewer Enterprise Fund	1/20/2021	Megan Araya
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.	$1,250,000	Funded / awarded 10-2021 / completion 4-2022	CDBG Mitigation Grant; Water Sewer Enterprise Fund	1/20/2021	Megan Araya
1149	Tarpon Springs / Utilities	RO Plant Generator Capacity	Project to install generators at the water production wells for the TS RO Plant. Currently have 12 wells w/ no backup power supply.	$730,000	Funded / award 9-2020 / completion 7-2021	CDBG Mitigation Grant; Water Sewer Enterprise Fund	1/20/2021	Megan Araya
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	1/20/2021	Megan Araya
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	1/20/2021	Robert J. Gavin, PE
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	1/20/2021	
971	Town of Belleair / Building Maintence	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	1/20/2021	
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	1/20/2021	
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	1/20/2021	
1065	Town of Belleair / Building Maintence	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	1/20/2021	
926	Town of Belleair / Building Maintence	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	1/20/2021	
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	1/20/2021	
1270	Town of Belleair / Building Department	Generator Installation Town Hall/Police Department	1, 2	$138,476	6 months	HMGP Hurricane Hermine	1/20/2021	Greg Lauda
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	$7,000,000	Currently Unfunded; Projected FY2023	HMGP; HMGP Planning, local funds	1/20/2021	Jamie Viveiros
965	Treasure Island / Public Works	Reconstruct the Public Safety and Public Works Buildings	Reconstruct the Public Safety and Public Works facilites 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	Currently Unfunded; Projected FY2023	HMGP; HMGP Planning, local funds	1/20/2021	Jamie Viveiros
1230	Treasure Island / Public Works	East Causeway Drainage and Roadway Improvements	Enhance drainge facilities on the East Causeway to expand capacity, reduce flooding, improve roadway conditions, the ability to evacuate all properties west of Park Street, and reduce pollutant discharge into Boca Ciega Bay . /1	$2,139,000	Funded FY2020 and FY2021 by City, state grant and SWFWMD grant	DOT Grant (County Incentive Program); Capitalization Grants for Clean Water State Revolving Funds; HMGP; HMGP Planning; Local Funding	1/20/2021	Jamie Viveiros

Pinellas County
Local Mitigation Strategy 2021-2022
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	Updated By
920	Treasure Island / Public Works	Stormwater Master Plan	To develop a master plan for the management of stormwater, street flooding caused by sea level rise, and reduction of pollutants in the stormwater . /2	$2,510,000	Stormwater Master Plan draft complete; Projects projected FY2022 - FY2025	Capitalization Grants for Clean Water State Revolving Funds; HMGP; Nonpoint Source Implementation Grants; SWFWMD Grants, Local funds	1/20/2021	Jamie Viveiros
995	Treasure Island / Public Works	Lift Station Rehabiitation	Rehabiitation and harden Lift Stations #1, #2, #5, #10 an #11. Modernize the faciities and equipment to address the current demands upon the system, extend the life of the facility, and harden the system to be resistant to flood and surge. /4	$1,800,000	Lift Stations 1, 2, 5, 10 and 11 Completed in FY2020.	Capitalization Grants for Clean Water State Revolving Funds; FMAP; HMGP; Nonpoint Source Implementation Grants; Local funds	1/20/2021	Jamie Viveiros
1032	Treasure Island / Public Works	Lift Station Vault Door Replacements	To reduce infiltration and inflow of stormwater, vault doors are to be modified to reduce the introduction of stormwater into the swewer system. This will reduce the impact upon the regional sewer plant, and potential discharges into the environment through surcharging and reduce the stress on the sewer plant. /4	$600,000	Funded by City FY2021 - FY2024	Capitalization Grants for Clean Water State Revolving Funds; FMAP; HMGP; Nonpoint Source Implementation Grants; Local	1/20/2021	Jamie Viveiros
1055	Treasure Island / Public Works	Portable Generators	Purchase of a portable generator for PS 4. The generator is to ensure against spillage of raw sewage into the environment and waters of the state. PS 4 serves 1,066 housing units on Paradise Island. One dedicated generator would ensure movement of sewage to the treatment plant should power be lost at PS 4.	$115,000	Funded by City FY2021	HMGP, Local Funding	1/20/2021	Jamie Viveiros
1710	Treasure Island / Public Works	Citywide Seawall Assessment and Repair for Locations NOT listed as a separate project (street ends, etc.)	Citywide Seawall repair/replacement. Estimated completion time: more than 12 months. / 4	$1,886,330	Funded FY2021 - FY2025	EMPATF, HMGP; PDM Program; CDBG	1/20/2021	Jamie Viveiros
1060	Treasure Island / Public Works	City Hall Seawall Rehabilitation	Repair/replace seawall adjacent to critical facilities: Estimated completion time: more than 12 months. / 3	$660,000	Currently Unfunded	EMPATF, HMGP; PDM Program; CDBG	1/20/2021	Jamie Viveiros
970	Treasure Island / Public Works	Electronic Information Signs at Bridges (Message Boards)	The need to get messages out to the public for emergency, urgent, or emergent issues would benefit with the use of digital message boards at the 3 entrances to the City--John's Pass, Blind Pass, and the Causeway. The City used similar borrowed message boards to great effect over the Memorial Day weekend during the COVID-19 pandemic, to relay vital information to the public. Boards will be used for road closures, emergencies, and events.. /4	$90,000	Funded FY2021 - FY2023	DOT Grant (County Incentive Program); CDBG; HMGP; HMGP Planning; Local Funding	1/20/2021	Jamie Viveiros
1270	Treasure Island / Public Works	Replacement of City Hall and seawall rehabilitation	Harden critical municipal facilities - Admin, Fire, and Police Estimated completion time: more than 12 months. / 2	$8,000,000	Currently Unfunded	EMPATF, HMGP; PDM Program; CDBG; FMAP	1/20/2021	Jamie Viveiros
970	Treasure Island / Public Works	Kingfish Park Seawall Rehabilitation	Repair/replace seawall: Estimated completion time: less than 12 months. / 3	$50,000	Currently Unfunded	EMPATF, HMGP; PDM Program; CDBG	1/20/2021	Jamie Viveiros
1060	Treasure Island / Public Works	Mitigation of Rising Sea Levels Study	Hire a consultant to conduct a study regarding rising sea level impacts and possible mitigation measures and associated mitigation measure costs for Treasure Island.	$400,000	Currently Unfunded	DOT Grant (County Incentive Program); Capitalization Grants for Clean Water State Revolving Funds; CDBG; HMGP; HMGP Planning; Local Funding	1/20/2021	Jamie Viveiros
1299	Treasure Island	EOC Generator	The City of Treasure Island is seeking a $112,500 grant (with $37,500 match) to fund a generator for an Emergency Operations Center (EOC) shared by three municipalities. The generator currently is funded in the City's CIP program in FY24; however, the City is amenable to doing a budget amendment to purchase sooner, if the grant is awarded. The EOC generator will address the following goal and objectives within the 2020 Pinellas County Multi-Jurisdictional Local Mitigation Strategy: Goal - Become a more disaster resilient community. Objective 1.7 - Property Protection - Identify, assess, prioritize and hard critical facilities and key critical infrastructure. Objective 1.22 - Preventive Measures - Develop plans and procedures that minimize impacts from power outages. The City of Treasure Island's primary EOC is located in a Level "A" Evacuation Zone and inside the Special Flood Hazard Area. When a hurricane or severe flooding conditions make it no longer possible to function from the primary EOC, the Secondary EOC is activated for conducting emergency operations. The secondary EOC is located at Pasadena Community Church Life Enrichment Center, 227 - 70th St. S, St. Petersburg. It is located in a Level "C" evacation zone and is outside of the Special Flood Hazard Area. The Secondary EOC is shared by mutual agreement between the City of Treasure Island, City of St. Pete Beach, and City of South Pasadena. As of 2019, the total population of these three communities served by the Secondary EOC was approximately 21,603.	$150,000	Currently Unfunded	HMGP, local funds.	12/1/2021	Jamie Viveiros