#### BOARD OF COUNTY COMMISSIONERS

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



May 8, 2018

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

RE: Pinellas County Endorsement Letter for FEMA 4337-DR-FL, Hurricane Irma and Local Mitigation Strategy - Appendix 9 Mitigation Project List Update

#### Dear Mr. Anderson:

This letter is to inform you that the Pinellas County Local Mitigation Strategy (LMS) Working Group approved by vote the prioritized list of projects found in Attachment 1 of this letter 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 projects in Attachment 1 in the order they are to be considered for funding. Correspondingly, Attachment 2 contains an updated Table 9-1 of Appendix 9 in Pinellas County's LMS, which contains the list of all of planned mitigation initiatives for the participating jurisdictions and nonprofit partners in the County's Working Group.

If you have any questions, please feel to contact me at 727-464-8219 or via email at cdmoore@pinellascounty.org.

Sincerely,

Christopher D. Moore, LMS Chair Pinellas County LMS

Attachments:

1. Pinellas County HMGP Funding Priority List

Pinellas County Planning 310 Court St. Clearwater, FL 33756 Main Office: (727) 464-8210 FAX: (727) 464-8201 V/TDD: (727) 464-4062

www.pinellascounty.org

2. Updated Pinellas County LMS Project List

Cc:

Commissioner Kenneth T. Welch, Chairman Pinellas County Board of County Commissioners

Sally Bishop, Director Pinellas County Emergency Management Department

Renea Vincent, Director Pinellas County Planning Department Attachment 1

Pinellas County HMGP Funding Priority List: FEMA 4337-DR-FL

Project Ranking	Applicant	Project Name	LMS Goal Project Addresses	LMS Objective Project Addresses	Estimated Total Project Cost	Estimated Federal Share
1	St. Petersburg	Generator for St. Petersburg Fire Rescue Headquarters	Become a More Disaster Resilient Community	Property Protection	\$185,100	\$138,825
2	Pinellas County	Mast Arm Upgrades	Become a More Disaster Resilient Community	Structural Projects	\$6,000,000	\$3,906,317
3	Gulfport	Generator for Alternate City EOC	Become a More Disaster Resilient Community	Property Protection	\$72,900	\$54,675
4	Pinellas Suncoast Fire & Rescue	Generator power for interim EOC	Become a More Disaster Resilient Community	Structural Projects	\$200,000	\$150,000
5	St. Pete Beach	Generator for Fire Station 22	Become a More Disaster Resilient Community	Property Protection	\$150,000	\$112,500
6	Gulfport	Lift Station 1, Generator	Become a More Disaster Resilient Community	Property Protection	\$64,000	\$48,000
7	St. Petersburg	James Weldon Johnson Library Generator	Become a More Disaster Resilient Community	Property Protection	\$250,000	\$187,000
8	Town of North Redington Shores	Stormwater Backflow Valve	Minimize Coastal Flooding Losses in the CHHA, Coastal Storm Area and	Property Protection	\$24,000	\$18,000
9	South Pasadena	Generator and Transfer Swith Upgrade at Fire Station 20	Become a More Disaster Resilient Community	Property Protection	\$94,500	\$70,875
10	St. Petersburg	Southwest Water Reclamation Facility Resiliency Wall	Become a More Disaster Resilient Community	Structural Projects	\$6,000,000	\$3,400,470
11	Clearwater	Purchase 7 mounted generators	Minimize Losses from Hazardous Material Incidents	Prevention	\$490,000	\$350,000
12	Pinellas Park	Installation of Shutters at City Buildings	Minimize Storm Wind Losses in the County	Property Protection	\$677,000	\$507,750
13	Town of Belleair	Town Hall/Police Department security measure for critical facility	Minimize Losses from Security Attacks	Property Protection	\$6,000	\$4,500
14	Clearwater	Elevate 9 Clearwater Beach lift stations	Minimize Losses from Hazardous Material Incidents	Prevention	\$693,000	\$515,000
15	Clearwater	Purchase and install Stamford Baffles in 4 clarifiers at Marshall Street Facility	Minimize Losses from Hazardous Material Incidents	Prevention	\$550,000	\$410,000
16	Clearwater	Purchase and install Stamford Baffles in 2 clarifiers at East Facility	Minimize Losses from Hazardous Material Incidents	Prevention	\$275,000	\$205,000
17	ARC Tampa Bay	The Arc Tampa Bay Long Center Generator	Become a More Disaster Resilient Community	Prevention	\$142,000	\$106,000
18	Largo	WWRF Lift Station Flood Mitigation	Minimize Storm Wind Losses in the County	Structural Projects	\$3,150,000	\$1,157,947
19	Dunedin	Lift Station #32 Rehabilitation	Become a More Disaster Resilient Community	Prevention	\$750,000	\$512,322
20	Gulfport	Generators for City's EOC	Become a More Disaster Resilient Community	Property Protection	\$334,000	\$250,500
21	Madeira Beach	Generator	Minimize Storm Wind Losses in the County	Property Protection	\$268,000	\$201,000
22	St. Pete Beach	Boca Ciega Isle Stormwater Improvements	Become a More Disaster Resilient Community	Structural Projects	\$350,000	\$262,500
23	Town of North Redington Shores	Harden/Elevate Town Hall/EOC	Become a More Disaster Resilient Community	Property Protection	\$2,500,000	\$1,875,000
24	Clearwater	Purchase and install manhole pans	Minimize Losses from Hazardous Material Incidents	Prevention	\$2,625,000	\$1,968,750
25	Town of Belleair	Town Hall/Police Department facility hardening, critical facility	Minimize Storm Wind Losses in the County	Property Protection	\$150,000	\$112,500
26	Pinellas Park	Park Station Hardening and Generator	Become a More Disaster Resilient Community	Property Protection	\$825,000	\$618,750

		Pinellas County Hazard Mitigation Gra	int Program Priority Funding	g list: FEIVIA 4337-DR-FL		
27	Pinellas County	Back up Power and Pumping Equipment for Sewer Pumping Stations	Become a More Disaster Resilient Community	Prevention	\$2,500,000	\$1,875,00
28	Clearwater	Purchase 2 mounted power stations	Minimize Losses from Hazardous Material Incidents	Prevention	\$300,000	\$225,000
29	Town of Belleair	Bridge scour protection for island bridges	Minimize Storm Wind Losses in the County	Structural Projects	\$85,000	\$63,750
30	Pinellas Park	Barbara S. Ponce Library Hardening and Generator	Minimize Storm Wind Losses in the County	Property Protection	\$1,075,000	\$806,250
31	Pinellas County	Cross Bayou Floodplain Restoration and Mitigation	Minimize Riverine or Inland Flooding Losses in the 25, 50, and 100-year	Property Protection	\$5,000,000	\$3,750,00
32	Pinellas County	Lower Bee Branch Drainage Improvements and Caladesi Repetitive Loss Area Acquisition	Minimize Riverine or Inland Flooding Losses in the 25, 50, and 100-year	Structural Projects	\$8,700,000	\$6,525,00
33	Clearwater	Design and install automatic transfer bypass switches	Minimize Losses from Hazardous Material Incidents	Prevention	\$2,300,000	\$1,725,00
34	Town of North Redington Shores	Harden Lift Stations	Become a More Disaster Resilient Community	Property Protection	\$550,000	\$412,500
35	St. Petersburg	Central Yacht Basin Seawall Project	Become a More Disaster Resilient Community	Structural Projects	\$6,300,000	\$4,725,00
36	St. Petersburg	North Yacht Basin Seawall Project	Become a More Disaster Resilient Community	Structural Projects	\$4,300,000	\$3,225,00
37	Clearwater	Manhole and gravity sewer rehabilitation on Clearwater Beach	Minimize Losses from Hazardous Material Incidents	Prevention	\$4,420,000	\$3,315,00
38	Town of North Redington Shores	Underground Utilities (Gulf Blvd.)	Become a More Disaster Resilient Community	Property Protection	\$7,000,000	\$5,250,00
39	Town of Belleair	Emergency employee shelter, life support services retrofit	Minimize Storm Wind Losses in the County	Prevention	\$21,000	\$15,750
40	Dunedin	Lift Station #20 rehabilitation	Become a More Disaster Resilient Community	Prevention	\$1,300,000	\$975,000
41	St. Petersburg	Leisure Services Complex Wind Retrofit	Minimize Storm Wind Losses in the County	Property Protection	\$500,000	\$375,000
42	Pinellas County	Cross Bayou Improvements	Minimize Riverine or Inland Flooding Losses in the 25, 50, and 100-year	Structural Projects	\$6,770,000	\$5,077,50
43	Town of Belleair	Water Wells back up power generator	Minimize Storm Wind Losses in the County	Prevention	\$114,000	\$85,500
44	Pinellas County	Roll-n-Pole Portable Sign Holder Kit	Become a More Disaster Resilient Community	Prevention	\$59,835	\$44,876
45	Pinellas County	Inverter Kits	Become a More Disaster Resilient Community	Prevention	\$62,000	\$46,500
46	Pinellas County	Stock Generators	Become a More Disaster Resilient Community	Prevention	\$116,498	\$87,373
47	Pinellas County	Solar Traffic Signal - Test Bed	Become a More Disaster Resilient Community	Prevention	\$300,000	\$225,000
48	Pinellas County	Re-establish Coastal Benchmarks in Pinellas County	Become a More Disaster Resilient Community	Property Protection	\$150,000	\$112,500
49	Town of North Redington Shores	LED Warning Sign	Become a More Disaster Resilient Community	Public Education and Awareness	\$40,000	\$30,000
50	Pinellas County	Rebuilding of Public Works Buildings #20 and 4	Become a More Disaster Resilient Community	Structural Projects	\$3,000,000	\$2,250,00
51	Pinellas County	Drinking Water Facility Security Equipment	Minimize Losses from Security Attacks	Property Protection	\$250,000	\$187,500
52	Pinellas County	Force Main Sampling Equipment to Improve Sanitary Sewage Collection Process	Minimize Losses from Hazardous Material Incidents	Prevention	\$450,000	\$337,500
53	Clearwater	Telemetry installation at critical and essential lift stations	Minimize Losses from Hazardous Material Incidents	Prevention	\$416,000	\$312,000
54	Town of Belleair	Water Plant Hazardous materials mitigate response kits	Minimize Losses from Hazardous Material Incidents	Property Protection	\$31,500	\$23,625

	Pinellas County Hazard Mitigation Grant Program Priority Funding List: FEMA 4337-DR-FL									
55	Largo	WWRF Operations Center Reconstruction	Minimize Storm Wind Losses in the County	Structural Projects	\$4,000,000	\$3,000,000				
56	Town of Belleair	Town of Belleair's Water plant , Secure facilities	Minimize Losses from Security Attacks	Prevention	\$15,786	\$11,840				

Attachment 2

Pinellas County LMS Appendix 9 Project List Update

<b>7</b> -4-1		Description/ Natural Hazard Addressed (Key: 1=Flooding; 2=Storm Wind;		Timeframe /		Date Last	Date Last		Updated
Total Score Jurisdiction/ Organization	Project Name		Est. Cost		Possible Funding Sources		Updated	Comments	By
1029 ARC Tampa Bay		r Purchase and installation of a natural gas based 125 kw generator to support approximately 7000 sqaure \$		Jtatus	~			comments	Dy
		feet, to support the critical health and safety needs of our residents during a hurricane.		Currently Unfunde	d HMGP	5/8/2018			
1025 Baycare, Inc. / St. Petersburg	Hospital EOC	Construct new EOC. Estimated completion time: more than 12 months. / 4	ć	51,100,000 Currently Unfunde	d EMPATF, HMGP; PDM Program	1/10/2018			
		Harden the exterior of Building A and install new hurricane-rated windows. Estimated completion time:							
1150 Bayfront Medical Center / St. Petersburg		more than 12 months. / 2	( 7	51,217,370 Currently Unfunde	d EMPATF, HMGP; PDM Program	1/10/2018			
1150 Bayfront Medical Center / St. Petersburg	Harden Window and Roof - Building C	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	d	2 780 880 Currently Unfunde	d EMPATF, HMGP; PDM Program	1/10/2018			
	Harden Window and Roof - Building C	Harden the exterior including hurricane-rated windows and roofing system to protect against high wind	۲	52,765,865 Currently Onlande		1/10/2010			
1150 Bayfront Medical Center / St. Petersburg	C C	velocity events. Estimated completion time: more than 12 months. / 2	¢	54,575,295 Currently Unfunde	d EMPATF, HMGP; PDM Program	1/10/2018			
	Harden Window and Roof - Building C	Harden the exterior including hurricane-rated windows and roofing system to protect against high wind							
1150 Bayfront Medical Center / St. Petersburg	g North	velocity events. Estimated completion time: more than 12 months. / 2	ć	4,646,281 Currently Unfunde	d EMPATF, HMGP; PDM Program	1/10/2018			
	- Handan Canada Cana Canatan	Harden the exterior including the roof, windows and walls to ensure continuity of operations. Estimated		¢420.002.0		1/10/2010			
1090 Bayfront Medical Center / St. Petersburg	g Harden Cancer Care Center	completion time: more than 12 months. / 2		\$430,003 Currently Unfunde	d EMPATF, HMGP; PDM Program	1/10/2018			
1070 Bayfront Medical Center / St. Petersburg	g 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	¢	51.250.200 Currently Unfunde	d EMPATF, HMGP; PDM Program	1/10/2018			
		The Mechanical Room and a fenced lean to will be hardened. Estimated completion time: more than 12	•		Emergency Management, Preparedness and	_, _0, _0_0			
1000 Bayfront Medical Center / St. Petersburg		months. / 2	¢	1,000,000 Currently Unfunde	d Assistance Trust Fund, HMGP; PDM Program	1/10/2018			
005 Doutront Madical Cantor / Ct. Datard			نر	1 000 000 Currently Unfined	Emergency Management, Preparedness and Assistance Trust Fund, HMCP: PDM Program	1/10/2010			
995 Bayfront Medical Center / St. Petersburg	g & ROUTOP Equipment Mitigation	completion time; More than 12 months. / 2 On the South side of Building C, the Oxygen Tank Farm will be hardened. Estimated completion time;	7	s1,000,000 currently Unfunde	d Assistance Trust Fund, HMGP; PDM Program	1/10/2018			
995 Bayfront Medical Center / St. Petersburg	g Tank Farm Enclosure	more than 12 months. / 2	d	51,000,000 Currently Unfunde	Emergency Management, Preparedness and d Assistance Trust Fund, HMGP; PDM Program	1/10/2018			
	Life Services Building Window, Door &	The Life Services Building needs windows, doors and walls hardened for protection against high wind	7	,, end, endi	Emergency Management, Preparedness and	_, _0, _010			
995 Bayfront Medical Center / St. Petersburg	<b>–</b> .	velocity and severe weather events. Estimated completion time; more than 12 months. / 2	ć	1,000,000 Currently Unfunde	d Assistance Trust Fund, HMGP; PDM Program	1/10/2018			
	•	Harden windows, doors and roof for hurricane and severe weather mitigation. Estimated completion			Emergency Management, Preparedness and				
990 Bayfront Medical Center / St. Petersburg	g Roof Hardening	time: more than 12 months. / 2	7	51,000,000 Currently Unfunde	d Assistance Trust Fund, HMGP; PDM Program	1/10/2018			
090 Paufront Modical Contor / St. Dotorshur	. Family Haalth Contor Structural Hardoning	$\frac{1}{2}$	ć	1 000 000 Currently Unfunde	Emergency Management, Preparedness and Assistance Trust Fund, HMCP: PDM Program	1/10/2019			
980 Bayront Medical Center / St. Petersburg	g Family Health Center Structural Hardening	Harden walls and roof to mitigate high wind velocity. Estimated time of completion: 12 months. / 2 Harden the exterior of Building C East - including hurricane-rated windows, walls, doors and roofing	7	s1,000,000 Currently Onlunde	d Assistance Trust Fund, HMGP; PDM Program Emergency Management, Preparedness and	1/10/2018			
980 Bayfront Medical Center / St. Petersburg	g Haden Exterior - Building C East - Area 4	system to protect against high wind velocity events. / 2	ç	3,070,827 Currently Unfunde	d Assistance Trust Fund, HMGP; PDM Program	1/10/2018			
903 Town of Belleair	Water Wells back up power generator		114,000						
		generation.		Currently Unfunde	d HMGP	5/8/2018	5/8/202	18	
971 Town of Belleair			21,000			<b>F</b> /0 /004 0	<b>F</b> /0 /20		
	services retrofit	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		Currently Unfunde	HMGP	5/8/2018	5/8/202	18	
1083 Town of Belleair	Town Hall/Police Department facility	Upgrade to town hall/PD critical facility roof for more secure facility during hurricane or other disasters. \$	150,000			_ /_ /	_ /_ /		
	hardening, critical facility		,	Currently Unfunde	d HMGP	5/8/2018	5/8/202	18	
1083 Town of Belleair	Bridge scour protection for island bridges	Install scour protection at 2 bridges in town. (North Pine Circle, and Winston Drive) \$	85,000			5/8/2018	5/8/202	18	
	Mater Direct Directed and a second state of the second		24 500	Currently Unfunde	d	5, 5, 2010	5, 6, 20.		
1065 Town of Belleair	Water Plant Hazardous materials mitigate response kits	Buy new breathing apparatus, chemical spill kits, and chemical starter for security measures.	31,500	Currently Unfunde	d HMGP	5/8/2018	5/8/202	18	
926 Town of Belleair	Town of Belleair's Water plant , Secure	Install 10 cameras and install 4 door locks to protect facility from attacks \$	515,786				_ /- /		
	facilities	Y	,	Currently Unfunde	d HMGP	5/8/2018	5/8/202	18	
1119 Town of Belleair	Town Hall/Police Department security	Install 2 pull down shutters for door ways to secure town hall and police department \$	6,000		HMGD	5/8/2018	5/8/202	18	
	measure for critical facility			Currently Unfunde	d	-, -,	<i>c, c, 20</i>		Nancy
929 Belleair Beach	Harbor Drive & 1st Street	Drainage Improvement Plan – to prevent high tides from flooding the street 1		\$381,000 20	18 Local	1/10/2018	8/17/202	17	Gonzalez
						, -,	,,		
				Funded through G					
		Replace traffic control light at the corner of Causeway Blvd and Gulf Blvd with a mast arm. Estimated		Blvd. Beautificatio					Nancy
925 Belleair Beach / Public Works	Traffic Light Mitigation	completion time: / 4		\$447,000 Project	EMPATF, HMGP; PDM Program Penny for Pinella	s 1/10/2018	8/16/202	Lβ	Gonzalez
910 Belleair Beach / Public Works	Stormwater Management	Stormwater repairs, improvements, and replacing curb work. Replace valley curbs Estimated completion time: more than 12 months. / 1		\$55,000 Currently Underwa	Local Funds and SWFWMD Cooperative Funding	1/10/2018	8/16/202	16	Nancy Gonzalez
		Addresses issues with street flooding, drainage hydraulics problems, water quality and community		Territy onder w	,	-, -0, 2010	0, 10, 20.		Nancy
910 Belleair Beach / Public Works	Master Drainage Plan	drainage / 1		\$50,000 Currently Underwa	ay Local Funds	1/10/2018	8/16/202	16	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 Unfunde	d EMPATF, HMGP; PDM Program	1/10/2018			
070 Pollogie Pluffe	City Hall Starm Shuttare	Install commercial roll-down storm shutters to protect city hall and the fire department. Estimated		CAE 000 Cumporter Linford -		1/10/2010			
970 Belleair Bluffs	City Hall Storm Shutters	completion time: more than 12 months. / 1 Install radio tower at the new fire training building, install wireless comms, and install backup radio		345,000 currently unfunde	d EMPATF, HMGP; PDM Program	1/10/2018			Sarah
960 Clearwater / General Services	Install Communications at Fire Training 48	communications. Estimated completion time: more than 12 months. / 4		\$200,000 Currently unfunde	d EMPATF, HMGP; PDM Program	1/10/2018	10/4/202	16	Kessler
		Harden windows and doors, increase roof attachments and install emergency generator. Estimated			,	_, _0, _010			Sarah
850 Clearwater / General Services	Hardened Countryside Recreation Center	completion time: more than 12 months. / 2		\$300,000 Currently unfunde	d EMPATF, HMGP; PDM Program	1/10/2018	10/4/202	16	Kessler
		· · · · · · · · · · · · · · · · · · ·		. ,,,	, _ ,	_,,,,,	, , _0.		

Total		Description/ Natural Hazard Addressed (Key: 1=Flooding; 2=Storm Wind;	Timeframe		Date Last Da	ate Last	Updated
Score Jurisdiction/ Organization	Project Name	3=Erosion; 4=All Hazard)	Est. Cost Status	Possible Funding Sources	Reviewed Up	odated Comments	s By
900 Clearwater / Public Utilities	Purchase trailer mounted antenna	Purchase antenna for citywide telemetry system for monitoring lift stations, water and wastewater plants. Estimated completion time: less than 12 months. / 1	\$75,000 Currently unfun	ded EMPATF, HMGP; PDM Program	1/10/2018	10/4/2016	Sarah Kessler
900 Clearwater / Public Utilities	Northeast Water Pollution Control Plant generators	Procure seven backup generators to maintain the generator reliability. Estimated completion time: less than 12 months. / 4		ded EMPATF, HMGP; PDM Program	1/10/2018	10/4/2016	Sarah Kessler
900 Clearwater/ Engineering	Intermodal Facility	Construction of a new terminal in downtown. Added 2016 /2	\$2,425,000 Unfunded	EMPATF, HMGP; PDM Program	1/10/2018	12/16/2016	Sarah Kessler
	Public Works Complex – Phase 2 Public Utilities and Stormwater Warehouse						Sarah
1070 Clearwater/ Engineering	Facility	New warehouse facility will be built to Category 5 standards. Added 2016 /4	\$4,248,134 Unfunded	EMPATF, HMGP; PDM Program	1/10/2018	12/16/2016	Kessler
1095 Clearwater	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 sewe 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 maxing parts. The cost of this preventative measure is loss.		HMGP	5/8/2018	5/8/2018	
		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.	Currently unfun	ded			
1118 Clearwater	Elevate 9 Clearwater Beach lift stations	This project includes elevating nine (9) lift stations on Clearwater Beach. The lift station telemetry,	Currently unfun \$693,000	ueu			
		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 storr 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.		HMGP	5/8/2018	5/8/2018	
1110 Clearwater	Purchase and install Stamford Baffles in 4	There are currently four (4) clarifiers at the Marshall Street Water Reclamation Facility. The project is the	•				
	clarifiers at Marshall Street Facility	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.		HMGP	5/8/2018	5/8/2018	
1110 Clearwater	Durchase and install Stamford Paffles in 2	There are currently two (2) clarifiers at the East Water Reclamation Facility. The project is the purchase	Currently unfun	ded			
1110 Clear water	clarifiers at East Facility	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	/	HMGP	5/8/2018	5/8/2018	
		Baffle. The estimated construction length is one year.	Currently unfun	ded			
1088 Clearwater	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.		HMGP	5/8/2018	5/8/2018 70	0875
1080 Clearwater	Telemetry installation at critical and	This project involves outfitting 23 critical and essential lift stations with telemetry which enable remote	-				
	essential lift stations	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.		HMGP	5/8/2018	5/8/2018	
1043 Clearwater	Design and install automatic transfer	This project includes the design and installation of 23 automatic transfer bypass switches at lift stations,	Currently unfun \$2,300.000				
	bypass switches	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		HMGP	5/8/2018	5/8/2018	
		construction length is 6 months.	Currently unfun	ded			

Total		Description/ Natural Hazard Addressed (Key: 1=Flooding; 2=Storm Wind;	Timeframe /		Date Last Date Last	Upda
Score Jurisdiction/ Organization	Project Name	3=Erosion; 4=All Hazard)	Est. Cost Status	Possible Funding Sources	Reviewed Updated Comments	Ву
1227 Clearwater	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 Currently unfunded	НМGР d	5/8/2018 5/8/2018	
996 Clearwater	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.		НМGР	5/8/2018 5/8/2018	
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	1/10/2018 12/16/2016	Sarah Kessler
960 Clearwater/ Engineering	Public Works Complex – Phase 4 Meter Shop/ Utilities Mechanical Shop/ Survey Office Public Works Complex – Phase 5 Traffic	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	1/10/2018 12/16/2016	Sarah Kessler Sarah
1150 Clearwater/ Engineering	Operations Facility Public Works Complex – Phase 6 Urban	New facility for traffic operations will be built to Category 5 standards. Added 2016 /4	\$2,626,580 Unfunded	EMPATF, HMGP; PDM Program	1/10/2018 12/16/2016	Kessler
900 Clearwater/ Engineering	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	1/10/2018 12/16/2016	Sarah Kessler
1010 Clearwater/ Engineering	Acquisition of Repetitive Loss Properties	Several repetitive loss properties have been identified for acquisition Added 2016 /1	\$16,000,000 Unfunded	EMPATF, HMGP; PDM Program	1/10/2018 12/16/2016	Sarah Kessler
1030 Clearwater/ Engineering	Sunshine Towers Stormwater Pipe Realignment	The realignment of the stormwater pipe under the Sunshine Towers will alleviate flooding from the collapsed pipes under the building. Added 2016 /1	\$588,000 Unfunded	EMPATF, HMGP; PDM Program	1/10/2018 12/16/2016	Sarah Kessle
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	1/10/2018 12/16/2016	Sarah Kessle
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	1/10/2018 12/16/2016	Sarah Kesslei Sarah
210 Clearwater/ Gas	Gas Complex	Construction of a new Clearwater Gas building built to Category 5 building standard. Added 2016 /4	\$13,000,000 Unfunded	EMPATF, HMGP; PDM Program	1/10/2018 12/16/2016	Kessle
850 Clearwater/ Marine & Aviation	Airpark Hanger	Replace airplane hangar. Added 2016 /2	\$700,000 Unfunded	EMPATF, HMGP; PDM Program	1/10/2018 12/16/2016	Kessle
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	1/10/2018 12/16/2016	Kessle
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	1/10/2018 12/16/2016	Kessle
190 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	1/10/2018 12/16/2016	Kessle Sarah
710 Clearwater/ Public Utilities	Groundwater Replenishment	Construction of a new hardened facility. Added 2016 /2 The expansion of the water treatment plant will make is possible for the City to produce 100% of the	\$500,000 Unfunded	EMPATF, HMGP; PDM Program	1/10/2018 12/16/2016	Kessle
970 Clearwater/ Public Utilities 966 Dunedin	Water Treatment Plant #3 Lift Station #20 rehabilitation	necessary water supply for residents. Added 2016 /4 Lift station #20 is adjacent to Jerry Branch, a tributary of Curlew Creek. The Florida Department of	\$13,400,000 Unfunded \$1,300,000	EMPATF, HMGP; PDM Program	1/10/2018 12/16/2016	Kessle
		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.	Currently Unfunde	НМGР	5/8/2018 5/8/2018	
988 Dunedin	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 Unfunde	HMGP	5/8/2018 5/8/2018	

Total		Description/ Natural Hazard Addressed (Key: 1=Flooding; 2=Storm Wind;	Timeframe /		Date Last	Date Last		Updated
core Jurisdiction/ Organization	Project Name	3=Erosion; 4=All Hazard)	Est. Cost Status	Possible Funding Sources	Reviewed	Updated	Comments	Ву
		Install hurricane shutters on City Hall (542 Main Street). Estimated completion time: less than 12						
970 Dunedin / Public Works	City Hall Shutters	months. / 2	\$7,000 Currently Unfunded	EMPATF, HMGP; PDM Program	1/10/2018			
		Harden & upgrade 12 lift stations for waste water. Estimated completion time: more than 12 months. /			4/40/2040			
970 Dunedin / Public Works	Lift Station Elevation & Retrofit	1 Install hurrisana shuttars on Library Fasility (222 Dauglas) Estimated completion times more than 12		EMPATF, HMGP; PDM Program	1/10/2018			
920 Dunedin / Public Works	Library Retrofit	Install hurricane shutters on Library Facility (223 Douglas). Estimated completion time: more than 12 months. / 2	Currently funded \$95,000 with HMGP	EMPATF, HMGP; PDM Program	1/10/2018			
		Retrofit priority support building to address vulnerabilities to high winds and/or flooding based on			1/10/2010			
970 Eckerd College / St. Petersburg	Building Flood/Wind Retrofit	engineering evaluation. Estimated completion time: more than 12 months. / 1, 2	\$50,000 Currently Unfunded	EMPATF, HMGP; PDM Program	1/10/2018	10/24/2016		Lisa Mets
		Retrofit academic building to address vulnerabilities to high winds and/or flooding based on engineering	<u> </u>					
940 Eckerd College / St. Petersburg	Building Flood/Wind Retrofit	evaluation. Estimated completion time: more than 12 months. / 1, 2	\$250,000 Currently Unfunded	EMPATF, HMGP; PDM Program	1/10/2018	10/24/2016		Lisa Mets
				Capitalization Grants for Clean Water State				
		Enlarge drainage pipes and construct retention ponds citywide to reduce street and yard flooding to		Revolving Funds; CDBG; FMAP; HMGP; Nonpoint				
00 Gulfport	Stormwater Project	improve drainage in low lying areas of the City. Estimated completion time: more than 12 months. / 1	\$500,000 Currently Unfunded	Source Implementation Grants	1/10/2018			
	Flood Mitigation in Waterfront	Construct storm doors for commercial businesses within the 100-year floodplain of the Waterfront	¢co.ooo.c		4/40/2040			
35 Gulfport	Redevelopment District	Redevelopment District. Estimated completion time: more than 12 months. / 1	\$60,000 Currently Unfunded	EMPATF, HMGP; PDM Program	1/10/2018			
30 Gulfport	Land Acquisition	Public purchase of properties that are flood prone or at high risk/exposure to being flooded or experience wave action/erosion. Estimated completion time: more than 12 months. / 1	\$500,000 Currently Unfunded	EMPATF, HMGP; PDM Program	1/10/2018			
			\$500,000 currently officiated		1/10/2018			
L5 Gulfport	Municipal EOC	Build a new City EOC, 1617 - 49th Street South. Estimated completion time: more than 12 months. / 4	\$3,500,000 Currently Unfunded	HMGP: PDM Program	1/10/2018			
					-, -0, 2010			
		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 Hall Complex – EOC Generators	City, the use of computers, telephones, radios, and the equipment for damage assessment and	6224 000 Currently Unition de d		1/10/2010	10/21/2017		
17 Gulfport	Installation	monitoring of critical facilities such as water and lift stations. Install 3 generators. / 4	\$334,000 Currently Unfunded	HMGP, CDBG, EMPA, LOCAI	1/10/2018	10/31/2017		
		Install one generator. 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						
60 Gulfport	Critical Facility Generator Retrofit	has passed its estimated useful life. / 4	\$64,000 Currently Unfunded	EMPA, HMGP, Local	1/10/2018	10/31/2017		
		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						
84 Gulfport	Generator Installation at Alternate EOC	facilities such as water and lift stations. /4	\$72,900 Currently Unfunded	HMGP, CDBG, EMPA, Local	1/10/2018	10/31/2017		
		Provide a grant of up to \$15,000 per structure for the removal of noncompliant repetitive loss properties		FMAP; HMGP; PDM Program, Penny for Pinellas,				
		and pre-FIRM structures that are floodprone or at high risk/exposure to being flooded or experience		CDBG, Nonpoint Source Implementation Grants,				Dean
0 Indian Rocks Beach / Building Dept.	Flood Mitigation Buyout	wave action/erosion. / 1	\$150,000 Currently Unfunded	Residential Construction Mitigation Program	1/10/2018	10/9/2017		Scharmen
				City of Indian Rocks Beach Capital Improvement				
				Plan; Capitalization Grants for Clean Water State				
				Developer Friday CODO FRANCE LINCO			Currently	Dean
				Revolving Funds; CDBG; FMAP; HMGP; Nonpoint			Currently	Dedil
0 Indian Rocks Reach / Public Services	Stormwater Drainage	Reconstruction of small basin stormwater collection and discharge facilities as required by NPDES $/4$	<u>\$450 በበበ በበ 2020</u>	Source Implementation Grants; Penny for Pinellas;	1/10/2018		•	Scharmon
50 Indian Rocks Beach / Public Services	Stormwater Drainage	Reconstruction of small basin stormwater collection and discharge facilities as required by NPDES /4 To make aesthetic and safety improvements along Gulf Blvd, including the undergrounding of the Gulf	\$450,000.00 2020		1/10/2018	10/9/2017	•	Scharmen
60 Indian Rocks Beach / Public Services	Stormwater Drainage	To make aesthetic and safety improvements along Gulf Blvd, including the undergrounding of the Gulf	\$450,000.00 2020 Design work has	Source Implementation Grants; Penny for Pinellas;	1/10/2018		•	Scharmen
50 Indian Rocks Beach / Public Services	Stormwater Drainage			Source Implementation Grants; Penny for Pinellas; SWFWMD	1/10/2018		•	Scharmen
50 Indian Rocks Beach / Public Services	Stormwater Drainage	To make aesthetic and safety improvements along Gulf Blvd, including the undergrounding of the Gulf Blvd overhead utilities and to elevate transformers and other equipment above the base flood elevation.	Design work has begun. Construction	Source Implementation Grants; Penny for Pinellas; SWFWMD			•	Scharmen Dean
	Stormwater Drainage Gulf Blvd Utility Undergrounding	To make aesthetic and safety improvements along Gulf Blvd, including the undergrounding of the Gulf Blvd overhead utilities and to elevate transformers and other equipment above the base flood elevation. Phase 1 of the project, about \$4 million in cost would start at the southern boundary of the City (Whitehurst) and continue north through the Gulf Blvd/Walsingham Rd intersection to at least 6th Ave. /4	Design work has begun. Construction	Source Implementation Grants; Penny for Pinellas; SWFWMD			•	
		To make aesthetic and safety improvements along Gulf Blvd, including the undergrounding of the Gulf Blvd overhead utilities and to elevate transformers and other equipment above the base flood elevation. Phase 1 of the project, about \$4 million in cost would start at the southern boundary of the City (Whitehurst) and continue north through the Gulf Blvd/Walsingham Rd intersection to at least 6th Ave. /4 Road deterioration causes safety hazards and negatively impacts the attractiveness of the	Design work has begun. Construction should commence in	Source Implementation Grants; Penny for Pinellas; SWFWMD Pinellas County, City of Indian Rocks Beach Capital		10/9/2017	•	Dean
		<ul> <li>To make aesthetic and safety improvements along Gulf Blvd, including the undergrounding of the Gulf Blvd overhead utilities and to elevate transformers and other equipment above the base flood elevation.</li> <li>Phase 1 of the project, about \$4 million in cost would start at the southern boundary of the City (Whitehurst) and continue north through the Gulf Blvd/Walsingham Rd intersection to at least 6th Ave. /4</li> <li>Road deterioration causes safety hazards and negatively impacts the attractiveness of the neighborhood. This project includes continuation of street milling, resurfacing, and curb replacement</li> </ul>	Design work has begun. Construction should commence in	Source Implementation Grants; Penny for Pinellas; SWFWMD Pinellas County, City of Indian Rocks Beach Capital		10/9/2017	•	Dean
		<ul> <li>To make aesthetic and safety improvements along Gulf Blvd, including the undergrounding of the Gulf Blvd overhead utilities and to elevate transformers and other equipment above the base flood elevation.</li> <li>Phase 1 of the project, about \$4 million in cost would start at the southern boundary of the City (Whitehurst) and continue north through the Gulf Blvd/Walsingham Rd intersection to at least 6th Ave. /4</li> <li>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</li> </ul>	Design work has begun. Construction should commence in 4,120,180 the fall of 2017	Source Implementation Grants; Penny for Pinellas; SWFWMD Pinellas County, City of Indian Rocks Beach Capital Improvement Plan		10/9/2017	•	Dean Scharmen
0 Indian Rocks Beach / Public Services	Gulf Blvd Utility Undergrounding	<ul> <li>To make aesthetic and safety improvements along Gulf Blvd, including the undergrounding of the Gulf Blvd overhead utilities and to elevate transformers and other equipment above the base flood elevation. Phase 1 of the project, about \$4 million in cost would start at the southern boundary of the City (Whitehurst) and continue north through the Gulf Blvd/Walsingham Rd intersection to at least 6th Ave. /4</li> <li>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</li> </ul>	Design work has begun. Construction should commence in 4,120,180 the fall of 2017 In CIP for the next	Source Implementation Grants; Penny for Pinellas; SWFWMD Pinellas County, City of Indian Rocks Beach Capital Improvement Plan ; City of Indian Rocks Beach Capital Improvement	1/10/2018	10/9/2017	underway	Dean Scharmen Dean
0 Indian Rocks Beach / Public Services		<ul> <li>To make aesthetic and safety improvements along Gulf Blvd, including the undergrounding of the Gulf Blvd overhead utilities and to elevate transformers and other equipment above the base flood elevation. Phase 1 of the project, about \$4 million in cost would start at the southern boundary of the City (Whitehurst) and continue north through the Gulf Blvd/Walsingham Rd intersection to at least 6th Ave. /4</li> <li>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 2018-2022 / 3</li> </ul>	Design work has begun. Construction should commence in 4,120,180 the fall of 2017	Source Implementation Grants; Penny for Pinellas; SWFWMD Pinellas County, City of Indian Rocks Beach Capital Improvement Plan		10/9/2017	underway	Dean Scharmen
0 Indian Rocks Beach / Public Services	Gulf Blvd Utility Undergrounding Road Milling, Resurfacing and curbing	<ul> <li>To make aesthetic and safety improvements along Gulf Blvd, including the undergrounding of the Gulf Blvd overhead utilities and to elevate transformers and other equipment above the base flood elevation. Phase 1 of the project, about \$4 million in cost would start at the southern boundary of the City (Whitehurst) and continue north through the Gulf Blvd/Walsingham Rd intersection to at least 6th Ave. /4</li> <li>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 2018-2022 / 3</li> <li>Build new town hall, police department and annex buildings. Estimated completion time: more than 12</li> </ul>	Design work has begun. Construction should commence in 4,120,180 the fall of 2017 In CIP for the next \$2,100,000 five years	Source Implementation Grants; Penny for Pinellas; SWFWMD Pinellas County, City of Indian Rocks Beach Capital Improvement Plan ; City of Indian Rocks Beach Capital Improvement Plan; SWFMD	1/10/2018	10/9/2017	underway	Dean Scharmen Dean
70 Indian Rocks Beach / Public Services 60 Indian Rocks Beach / Public Services	Gulf Blvd Utility Undergrounding	<ul> <li>To make aesthetic and safety improvements along Gulf Blvd, including the undergrounding of the Gulf Blvd overhead utilities and to elevate transformers and other equipment above the base flood elevation. Phase 1 of the project, about \$4 million in cost would start at the southern boundary of the City (Whitehurst) and continue north through the Gulf Blvd/Walsingham Rd intersection to at least 6th Ave. /4</li> <li>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 2018-2022 / 3</li> </ul>	Design work has begun. Construction should commence in 4,120,180 the fall of 2017 In CIP for the next	Source Implementation Grants; Penny for Pinellas; SWFWMD Pinellas County, City of Indian Rocks Beach Capital Improvement Plan ; City of Indian Rocks Beach Capital Improvement Plan; SWFMD FMAP; HMGP; PDM Program	1/10/2018	10/9/2017	underway	Dean Scharmen Dean
250 Indian Rocks Beach / Public Services 370 Indian Rocks Beach / Public Services 360 Indian Rocks Beach / Public Services 330 Indian Shores / Town Administrator	Gulf Blvd Utility Undergrounding Road Milling, Resurfacing and curbing	<ul> <li>To make aesthetic and safety improvements along Gulf Blvd, including the undergrounding of the Gulf Blvd overhead utilities and to elevate transformers and other equipment above the base flood elevation. Phase 1 of the project, about \$4 million in cost would start at the southern boundary of the City (Whitehurst) and continue north through the Gulf Blvd/Walsingham Rd intersection to at least 6th Ave. /4</li> <li>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 2018-2022 / 3</li> <li>Build new town hall, police department and annex buildings. Estimated completion time: more than 12</li> </ul>	Design work has begun. Construction should commence in 4,120,180 the fall of 2017 In CIP for the next \$2,100,000 five years	Source Implementation Grants; Penny for Pinellas; SWFWMD Pinellas County, City of Indian Rocks Beach Capital Improvement Plan ; City of Indian Rocks Beach Capital Improvement Plan; SWFMD	1/10/2018	10/9/2017	underway	Dean Scharmen Dean

Total		Description/ Natural Hazard Addressed (Key: 1=Flooding; 2=Storm Wind;	Timeframe /		Date Last	Date Last		Update
Score Jurisdiction/ Organization	Project Name	3=Erosion; 4=All Hazard)	Est. Cost Status	Possible Funding Sources	Reviewed	Updated	Comments	Ву
				Capitalization Grants for Clean Water State				
965 Indian Sharas / Tawn Administrator	Detention Pond	Create a detention pond and storm water drainage system in the community redevelopment area.	\$100,000 Currently Unfunded	Revolving Funds; CDBG; FMAP; HMGP; Nonpoint	1/10/2019			
865 Indian Shores / Town Administrator	Detention Pond	Estimated completion time: more than 12 months. / 1	\$100,000 Currently Officiated	Source Implementation Grants Capitalization Grants for Clean Water State	1/10/2018			
		Repair, rework, and replace components in the Kenneth City storm drain system. Estimated completion		Revolving Funds; CDBG; FMAP; HMGP; Nonpoint				
910 Kenneth City	Stormwater Management	time: more than 12 months. / 1	\$300,000 Currently Unfunded	Source Implementation Grants	1/10/2018			
				Capitalization Grants for Clean Water State				
910 Kenneth City	Stormwater Management	Repair, rework, and replace components in the Kenneth City storm drain system. Estimated completion time: more than 12 months. / 1	\$500.000 Currently Unfunded	Revolving Funds; CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants	1/10/2018			
510 Kenneth eity	Stormwater Management	The City of Largo operates six fire stations, 38, 39, 40, 41, 42 and 43. The stations are in need of	5500,000 currently officiated	Source implementation Grants	1/10/2010			
		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						Matthew
1240 Largo	Fire Station Renovation Program	replaced if the penny re-approved. (Station was built in 1978.) /4	\$692,000 FY 17-FY 21	General (Local Fund)	1/10/2018	10/19/201	17	DiFiore
	<u>_</u>	This is the youngest of the three proposed stations however still has many of the same issues. The roof				<u> </u>		
		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						
1150 Largo	Fire Station 38 Reconstruction	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	1/10/2018	10/19/201	17	Matthew DiFiore
1016 Largo	WWRF Lift Station Flood Mitigation	This project meets the goals and objectives for structural mitigation projects that include strengthening			1, 10, 2010	10/10/201	- /	Diriore
5	5	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		HMGP	5/8/2018	5/8/201	18	
		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.						
		This building has exceeded its useful life and currently is in need of a roof replacement and internal repoverions. The building has no congreted living quarters and has inadequate storage space for the						
		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						Matthew
.150 Largo	Fire Station 39 Reconstruction	rebuild Rainbow Village. The current building is 5,300 square feet and was constructed in 1979./4	\$3,500,000 N/A	Unfunded	1/10/2018	10/19/201	17	DiFiore
		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						<b>N A A A</b>
L150 Largo	Fire Station 42 Reconstruction	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	1/10/2018	10/19/201	17	Matthew DiFiore
100 LUIDO			γ3,300,000 N/A		1/ 10/ 2010	10/13/201	• /	
		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						Matthew
990 Largo	WWRF - Biosolids Building Hardening	openings), and fans, and painting or 2) replacement of the entire building. /1, 2	\$1,600,000 FY 18 -FY19	Wastewater (Local Fund)	1/10/2018	12/22/201	16	DiFiore
		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						
	WWRF – Operations Center	analysis, storage for chemicals & supplies, a bunker/lounge area, a records room, and a variety of other						Matthew
1190 Largo	Reconstruction	needs to be determined during the design process. /1, 2	\$4,570,000 FY 18-FY19	Wastewater (Local Fund)	1/10/2018	12/22/201		DiFiore

Total		Description/ Natural Hazard Addressed (Key: 1=Flooding; 2=Storm Wind;	Timeframe /		Date Last	Date Last	Updated
Score Jurisdiction/ Organization	Project Name		Est. Cost Status	Possible Funding Sources	Reviewed	Updated Comments	
970 Largo	City Hall Reconstruction	The City Hall facility has a number of issues. First, it is not rated for hurricane winds and is in a flood plain. It has electrical and plumbing systems that are original to the building and are repeatedly needing repair. The HVAC system needs to be redesigned as it is not efficient and does not service employees there appropriately. The building is not hardened and has significant space utilization issues. This estimate would construct a new building with the same square footage of the current City Hall and does not include land acquisition or design costs at this time. Policy direction is needed to determine the needs for inside a new City Hall building. The current building is 57,740 square feet and was constructed in 1973. /1, 2	\$18,000,000 N/A	Unfunded	1/10/2018	12/22/2016	Matthew DiFiore
		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					
1000 Largo	Public Works Complex Reconstruction	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	1/10/2018	12/22/2016	Matthew DiFiore
1210 Largo	Regional Watershed Management Planning	The Regional Watershed Management Planning project was initiated in the FY2012-2016 CIP and identified the need for the development of a City-wide Watershed Management Plan for the various drainage basins (Starkey, Longbranch, Allen's Creek, McKay Creek) and sub-basins located in the City of Largo. This project included joint funding and participation with the South West Florida Water Management District, Pinellas County, City of Clearwater and other entities that share jurisdiction within the watersheds. The watershed management plans for McKay Creek, Allen's Creek, Long Branch Creek, Starkey Road Basin, and the Clearwater-Largo Road Drainage District Study were completed by FY14. The purpose of this project is to begin planning and designing stormwater system improvements based on the Best Management Practices (BMPs) identified in the Watershed Plans to address flooding, water quality, infrastructure rehabilitation, and meet regulatory requirements. This project will contribute to compliance with the City's National Pollutant Discharge Elimination System (NPDES) stormwater permit and pending Total Maximum Daily Loads (TMDL's) regulations which are administered by the Florida Department of Environmental Protection. /1	\$14,800,000 N/A	Unfunded	1/10/2018	12/22/2016	Matthew DiFiore
	WWRF Master Plan Improvements –	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					Matthew
1090 Largo	Biological Treatment Systems 126 Ave Church Creek Storm Drainage	(MCC) Buildings that are hardened and elevated. /1	\$2,375,000 FY 18	Wastewater (Local Fund)	1/10/2018	12/22/2016	DiFiore Jerald
944 Largo/ Engineering Services	Improvements	Project will construct large conveyance piping to eliminate repeat property flooding and damage/1	\$1,500,000 Unfunded	Local Funding	1/10/2018	10/25/2017	Woloszynski
Lealman SFCD / Emergency		Harden by installing roll down shutters, 5 double doors, 3 single doors and 16 windows. Estimated					
1060 Management Lealman SFCD / Emergency	Fire Station #18 EOC Hardening	completion time: more than 12 months. / 2 Harden by adding roll down shutters, 4 single doors and 5 windows. Estimated completion time: more	\$36,500 Currently Unfunde	d	1/10/2018		
980 Management	Fire Station #19 Secondary EOC Hardenin		\$12,700 Currently Unfunde	d	1/10/2018		
Lealman SFCD / Emergency 860 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	d	1/10/2018		
Lealman SFCD / Emergency 840 Management	Fleet Building Emergency Power	Evaluate and install quick connect and power transfer switch. Estimated completion time: less than 12 months. / 4		d EMPATF, HMGP; PDM Program	1/10/2018		
		Emergency Operations Generator to allow operations during state of emergency, power		<del>_</del>			Karen
1304 Madeira Beach	Emergency Operations Generator	outages or other events of power loss.	\$268,000 Currently Unfunde		1/10/2018	11/28/2017	Paulson Michelle
Madeira Beach	13001 Boca Avenue	Mitigation of SRL Property 13001 Boca Avenue	\$200,000 Unfunded	HMGP & Private	1/10/2018	10/5/2016	Orton Michelle
Madeira Beach	847 Bay Point	Mitigation of SRL Property 847 Bay Point	\$200,000 Unfunded	HMGP & Private	1/10/2018	10/5/2016	Orton Michelle
Madeira Beach	14196 W Parsley	Mitigation of SRL Property 14196 W Parsley	\$200,000 Unfunded	HMGP & Private	1/10/2018	10/5/2016	Orton Michelle
Madeira Beach	911 Bay Point	Mitigation of SRL Property 911 Bay Point	\$200,000 Unfunded	HMGP & Private	1/10/2018	10/5/2016	Orton Michelle
Madeira Beach	577 Crystal Drive	Mitigation of SRL Property 577 Crystal Drive	\$200,000 Unfunded	HMGP & Private	1/10/2018	10/5/2016	Orton
Madeira Beach	Drainage Basin A – As depicted in the Stormwater Master Plan	Stormwater system upgrades to address flooding and tide control devices	\$2,142,000 Unfunded	EMPATF; HMGP; PDM Program	1/10/2018	10/5/2016	Michelle Orton

		Description/ Natural Hazard Addressed (Key: 1=Flooding; 2=Storm Wind;	Timeframe /		Data Last D	Date Last	Updated
Total	Ducient Nome			Dessible Funding Sources			_
Score Jurisdiction/ Organization	Project Name	3=Erosion; 4=All Hazard)	Est. Cost Status	Possible Funding Sources	Reviewed L	Jpdated Comments	By
Madeira Beach	Drainage Basin C – As depicted in the Stormwater Master Plan	Stormwater system upgrades to address flooding and tide control devices	\$8,100,000 Unfunded	EMPATF; HMGP; PDM Program	1/10/2018	10/5/2016	Michelle Orton
Madeira Beach	Drainage Basin D – As depicted in the Stormwater Master Plan	Stormwater system upgrades to address flooding and tide control devices	\$4,360,000 Unfunded	EMPATF; HMGP; PDM Program	1/10/2018	10/5/2016	Michelle Orton
Madeira Beach	Drainage Basin E- As depicted in the Stormwater Master Plan	Stormwater system upgrades to address flooding and tide control devices	\$3,500,000 Unfunded	EMPATF; HMGP; PDM Program	1/10/2018	10/5/2016	Michelle Orton
Madeira Beach	Drainage Basin F – as depicted in the Stormwater Master Plan	Stormwater system upgrades to address flooding and tide control devices	\$2,200,000 Unfunded	EMPATF; HMGP; PDM Program		10/5/2016	Michelle Orton
					1/10/2018		Michelle
Madeira Beach	Underground Utilities Drainage Basin B – As depicted in the	Underground utilities – East and West side streets	\$3,000,000 Unfunded	Local	1/10/2018	10/5/2016	Orton Michelle
Madeira Beach	Stormwater Master Plan	Stormwater system upgrades to address flooding and tide control devices Replace windows at Morton Plan Hospital's Adler/ Women's Center Estimated completion time: more	\$3,166,000 Unfunded	EMPATF; HMGP; PDM Program	1/10/2018	10/5/2016	Orton
890 Morton Plant Hospital / Clearwater	Hospital Retrofit	than 12 months. / 2	\$680,000 Currently Unfunde	ed EMPATF, HMGP; PDM Program	1/10/2018		
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 Unfunde	ed FMAP; HMGP; PDM Program	1/10/2018		
		Install storm water sewer valve to prevent storm water/tidal backup into the streets. Estimated			, -,		
840 North Redington Beach / Public Works	Stormwater Management #1	completion time: less than 12 months. / 1 Implement retrofit of the remaining 14 storm water valves. Estimated completion time: more than 12	\$25,000 Currently Unfunde	ed FMAP; HMGP; PDM Program	1/10/2018		
830 North Redington Beach / Public Works	Stormwater Management #2	months. / 1	\$210,000 Currently Unfunde	ed EMPATF, HMGP; PDM Program	1/10/2018		
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 Unfunde	ed EMPATF; HMGP; PDM Program	1/10/2018		
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		ed EMPATF; HMGP; PDM Program	1/10/2018	12/15/2017	Steven Everitt
Oldsmar / Planning and Redevelopment		Provide education and information to property and business owners about storm damage and ways to			1/ 10/ 2010		Steven
880 Communications	Public Education and Information	properly protect structures. Estimated completion time: more than 12 months. / 4	\$25,000 Currently Unfunde	ed EMPATF; HMGP; PDM Program	1/10/2018	12/15/2017	Everitt
940 Oldsmar / Public Works; Engineering	Storm Water Management Plan	Prepare a citywide drainage plan to minimize flooding throughout the City. Estimated completion time more than 12 months. / 1		ed FMAP; HMGP; PDM Program	1/10/2018	12/15/2017 In-progress	Steven Everitt
		Replace electrical generating equipment at Water Reclamation Facility. Estimated completion time: les		State Revolving Funds, CDBGs; FMAP; HMGP; HMGP			Steven
970 Oldsmar / Public Works; Facilities	Critical Facility Generator Retrofit Mitigation/ Response/ Recovery	than 12 months. / 4 Purchase vacuum excavation system for the maintenance and recovery of all storm water inlets and	\$1,200,000 Currently Unfunde	ed Planning	1/10/2018	12/15/2017	Everitt Steven
995 Oldsmar / Public Works; Storm Water	Equipment	structures. Estimated completion time: less than 12 months. / 1	\$50,000 Currently Unfunde	ed EMPATF; HMGP; PDM Program	1/10/2018	12/15/2017	Everitt
950 Oldsmar / Public Works; TECO	Bury Utilities Underground	Bury the overhead electric, telephone and cable TV utility lines in the Community Redevelopment District. Estimated completion time: more than 12 months. / 2	\$2,000,000 Currently Unfunde	ed	1/10/2018	12/15/2017	Steven Everitt
Oldsmar / Public Works; Water 1160 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 Unfunde	ed EMPATF; HMGP; PDM Program	1/10/2018	12/15/2017	Steven Everitt
		Provide computerized pre-registration for individuals with severe developmental disabilities. Estimated					
930 PARC	Disabilities Registration	completion time: less than 12 months. / 4 Harden PARC building to serve as a safe multi-hazard shelter including an emergency operation center.	\$25,000 Currently Unfunde	ed	1/10/2018		
920 PARC / St. Petersburg	Special Needs Shelter Retrofit	Estimated completion time: more than 12 months. / 2	\$4,000,000 Currently Unfunde	ed	1/10/2018		
						Project on schedule in	
		Comprehensive ecosystem restoration project for wetland and upland creation and enhancement and				monitoring/mai	
920 PC Parks & Conservation Resources	Alligator Lake Habitat Restoration (845)	stormwater polishing. /2	\$1,300,000 FY2012 - FY2018	Grant; Local funds; SWFWMD	1/10/2018	10/30/2017 enance phase Project to be	Harper
		Comprehensive ecosystem restoration project for wetland and upland creation and enhancement and			4/40/2040	completed by	Steve
680 PC Parks & Conservation Resources PC Planning and Development Review	Mobbly Bay Habitat Restoration (656)	stormwater polishing. /2	\$1,100,000 FY2012 - FY2018	Grant; Local funds; SWFWMD	1/10/2018	10/30/2017 SWFWMD Grant applicatio	Harper
1255 Services	Sea Level Rise Vulnerability Assessment	Pinellas County Sea Level Rise and Storm Surge Vulnerability Assessment / 3	\$450,000 FY18-FY20	U.S. Treasury	1/10/2018	10/27/2017 approved	Chris Moor
		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 wit elevated platforms and drainage, while protecting against hurricane force winds. The hardening of site 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	5			40/27/2016	
1200 PC Public Safety	County-wide	safety users to communicate at all times.	\$15,130,000 FY16-18	Penny for Pinellas	1/10/2018	10/27/2016	
1340 PC Public Works	Joes Creek Watershed Management Plan	Evaluate drainage patterns within Joes Creek watershed; identify flooding locations; develop BMPs to address the issues	\$500,000 FY2014 - FY2016	Surface Water Assessment and SWFWMD Grant	1/10/2018	Plan developme 10/27/2017 in progress	nt Rahim Harji

Total		Description/ Natural Hazard Addressed (Key: 1=Flooding; 2=Storm Wind;	Timeframe /		Date Last		Jpdated
Score Jurisdiction/ Organization	Project Name	3=Erosion; 4=All Hazard) Replacement of 24 existing span wire intersections with mast arms. Intersections are along major	st. Cost Status	Possible Funding Sources	Reviewed	Updated Comments B	Зу
1150 PC Public Works	Span Wire Intersection Replacement Program	evacuation routes throughout Pinellas County. Approx. \$240k per intersection. Estimated completion time: more than 12 months. / 4	5,800,000 Unfunded	Seeking Pre-Disaster Mitigation Program grant funds	1/10/2018	G 11/17/2016 G	Gina Harvey
							David
1130 PC Public Works	Stormwater Conveyance System Improvement Program (921321)	Replace/reline inadequate or deteriorating stormwater conveyance systems county wide. Estimated completion time: more than 12 months. / 1	FY2016 - FY2026 In \$44,025,000 Progress	Penny for Pinellas	1/10/2018	ε,	<sup>-</sup> alhouk/Rah m Harji
			+ · · / · · · · · · · · · · · · · · · ·	,	_,,		David
1120 PC Public Works	Cross Bayou Improvements	Improve conveyance through Cross Bayou Canal and reduce duration of flooding. Removed material should be tested to account for pollutant removal. Estimated completion time: more than 12 months	\$6,770,000 FY2014 - FY2019	Penny for Pinellas	1/10/2018		alhouk/Rah
	Cross Bayou improvements	should be tested to account for pollutant removal. Estimated completion time. More than 12 months	30,770,000 F12014 - F12013		1/10/2018		in narji
1020 PC Public Works	Roosevelt Channel 5 improvements	Various BMPs from the 1981 Watershed Master Plans, Removal of salinity barrier. 1, 3. Increase box culvert size; water treatment ponds.	FY2015 - FY2019 In \$4,679,200 Progress	Penny for Pinellas	1/10/2018		ālhouk/Rah m Harji
1020 PC Public Works	Pinellas County Stormwater Facilities	1 2	\$1,170,000 FY2016-2019	Poppy for Pipellas	1/10/2018	No Change; Ta	David Talhouk/Rah m Harii
1020 PC Public Works	(Countywide)	1, 3	\$1,170,000 F12010-2019	Penny for Pinellas	1/10/2018		David
							alhouk/Rah
1020 PC Public Works	McKay Creek Drainage/Hickory	1, 3	\$1,000,000 FY2015-2017	Penny for Pinellas/FDOT	1/10/2018		m Harji David
	Drainage Pond Compliance Program		FY2016-FY2026				alhouk/
870 PC Public Works 1362 Pinellas County	(1629) Inverter Kits	Improve existing ponds for permit compliance. Estimated completion time: more than 12 months. / 1 A countywide benefit: During the event of Hurricane Irma in September 2017, Pinellas County sustained \$	\$4,509,500 In Progress 52,000 Currently Unfunded	Penny for Pinellas	1/10/2018	10/27/2017 and timeframe Ra	Rahim Harji
1392 Pinellas County	Roll-n-Pole Portable Sign Holder Kit	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. <b>Hazards Addressed</b> : All Hazards <b>Inverter Kits: INSAE SW1220 2000W</b> , 12V Pure Sine Wave Inverter: https://www.donrowe.com/KISAE-SW1220-Power-Inverter-p/sw1220.htm?gclid=Cj0KCQiAkNfSBRCSARIsAL-u3X-GfE2hQ7RIgXOR-B7Sh2zY6a4D0P01pyXLFGSsv6o-Omg7Q45SoToaAm3xEALw_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 <b>A countywide benefit:</b> The roll-n-poll stop signs are easily accessible and portable. If traffic signals are to \$	59,835 Currently Unfunded	НМGР	5/8/2018	5/8/2018	
		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		НМСР	5/8/2018	5/8/2018	

Total		Description/ Natural Hazard Addressed (Key: 1=Flooding; 2=Storm Wind;	Timeframe /	Date Last Date Last Updated
Score Jurisdiction/ Organization	Project Name		Cost Status Possible Funding Sources	Reviewed Updated Comments By
1332 Pinellas County	Mast Arm Upgrades	A countywide benefit: Installation and/or upgrade of Mast Arms at 16 locations throughout the county located on hurricane evacuation routes (see chart LMS Mast Arm Upgrade List and Mast Arm Map - located below). This will help improve the safe, efficient flow of traffic countywide in the event of an emergency event or hurricane. During Hurricane Irma in September 2017, traffic signals hung by span wire fell or became damaged from storm force winds. An example is the span wire located on Belleair Road and Gulf Boulevard which fell during Irma and has since been replaced with a mast arm. The fall of span wire could result in traffic signals becoming inoperable, potentially blocking access on the roadway and creating what could be a dangerous situation; even more so when located on an evacuation route that is used by hundreds of thousands of citizens seeking safety. Mast Arm signals in place of span wire at these evacuation route locations will ensure that these evacuation routes remain open and emergency personnel have access to the main roadways post-storm. 25% Match funding could be acquired from Penny for Pinellas tax. Hazards Addressed: 4. All Hazard	0,000 Currently Unfunded\	5/8/2018 5/8/2018
1335 Pinellas County	Stock Generators	<ul> <li>A countywide benefit: To assist with the safety and welfare of citizens, the stock generators will provide \$116, 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.</li> <li>25% match funding could be acquired from Pinellas County Gas Tax.</li> <li>Hazards Addressed: All Hazards</li> <li>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</li> </ul>	.498 Currently Unfunded\ HMGP	5/8/2018 5/8/2018
1158 Pinellas County	Rebuilding of Public Works Buildings #20 and 4	A countywide benefit: Buildings 20 and 4, located at 22211 U.S. Highway 19 N., Clearwater, are far past \$3,00 their useful life. One building has been deemed uninhabitable, and the first floor of the other building has never been repaired from damage due to Tropical Storm Debby in 2012. Both buildings were reviewed for hardening in the past and it was determined that the majority of the structure would need to be rebuilt. Requested funding would be used to elevate and reconstruct the buildings as Category 5 facilities that can provide emergency operations countywide and also be habitable by staff. The elevating of the buildings and reconstructing will alleviate future repetitive loss.	00,000 Currently Unfunded\ HMGP	5/8/2018 5/8/2018
1053 Pinellas County	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.	0,000 Currently Unfunded\	5/8/2018 5/8/2018
1245 Pinellas County	Solar Traffic Signal - Test Bed	<ul> <li>A countywide benefit: To develop a battery/solar powered traffic signal equipment to provide power \$300, 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.</li> <li>25% match funding could be acquired from Pinellas County Gas Tax. Hazards Addressed: All Hazards</li> </ul>	,000 Currently Unfunded\ HMGP	5/8/2018 5/8/2018

Total		Description/ Natural Hazard Addressed (Key: 1=Flooding; 2=Storm Wind;	Timeframe /		Date Last D	Date Last	Updated
Score Jurisdiction/ Organization	Project Name	3=Erosion; 4=All Hazard)	Est. Cost Status	Possible Funding Sources		Jpdated Comments	By
Score Jurisdiction/ Organization 1053 Pinellas County	Project Name Lower Bee Branch Drainage Improvements and Caladesi Repetitive Loss Area Acquisition	<b>3=Erosion; 4=All Hazaro</b> 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	\$8,700,000 Currently Unfunded		Keviewed U	5/8/2018	Ву
1179 Pinellas County	Re-establish Coastal Benchmarks in Pinellas County	<ul> <li>5.</li> <li>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 reestablish 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.</li> </ul>		I\ HMGP	5/8/2018	5/8/2018	
870 PC Public Works	Bee Branch Drainage Improvements (922333)	Bank stabilization, erosion control, and drainage structure replacement. Estimated completion time: more than 12 months. / 3	FY2012 - FY2018; Phase 2 complete, \$2,990,000 phase1 in progress	Penny for Pinellas; SWFWMD	1/10/2018	Revised est. cost and timeframe. Phase 1 in progress. Other 10/27/2017 phases complete	David Talhouk/
860 PC Public Works	Pinellas Trail - 54th Ave. Drainage Improvements (1823)	Alleviate flooding on 54th Ave. N, Pinellas Trail, and 97th Way. Estimated completion time: more than 12 months. / 1	FY2015 - FY2018 In \$1,975,000 Progress	Penny for Pinellas	1/10/2018	Revised est. cost 10/27/2017 Project in progre	
1000 PC Public Works	Acquisition of Repetitive Loss Properties	Purchase repetitive loss properties in unincorporated Pinellas County to mitigate losses. Estimated completion time: more than 12 months. / 1	\$36,100,000 Currently Unfunded	HMGP, PDM, FMA	1/10/2018	10/25/2017	Lisa Foster
830 PC Public Works	Cross Bayou Channel 2 - Rena Dr. (1821)	Improve Cross Bayou Channel 2 from 66th St. to Pinecrest Subdivision. Estimated completion time: more than 12 months. / 1 Develop a detailed mitigation plan for repetitive loss areas and identify potential mitigation projects,	FY2015-FY2018 \$1,150,000 In Progress	Penny for Pinellas	1/10/2018	Revised est. cost and timeframe. 10/27/2017 Project in progre	Talhouk/
960 PC Public Works	Repetitive Loss Area Analysis and Mitigation Projects Evaluation	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	1/10/2018	10/25/2017 New	Lisa Foster
1205 PC 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	1/10/2018	10/25/2017 New	Lisa Foster
1197 PC 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	1/10/2018	10/25/2017 New	Lisa Foster
1205 PC 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.		Surface Water Assessment and HMGP	1/10/2018	10/25/2017 New	Lisa Foster
1161 PC 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 The South Cross Bayou Water Reclamation Facility (SCBWRF) treats sanitary sewage collected from (4)	/ FY18 – FY20 \$2,500,000 Unfunded	HMGP, PDM	1/10/2018	12/15/2017	Ivy Drexler
978 PC Utilities	Force Main Sampling Equipment to Improve Sanitary Sewage Collection Process	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	FY19 – FY20 / \$450,000 Unfunded	HMGP	1/10/2018	12/15/2017	Ivy Drexler

Total		Description/ Natural Hazard Addressed (Key: 1=Flooding; 2=Storm Wind;		Timeframe /		Date Last	Date Last	Update
Score Jurisdiction/ Organization	Project Name	3=Erosion; 4=All Hazard)	Est. Cost	Status	Possible Funding Sources	Reviewed	Updated Comme	nts By
1118 PC 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	\$2	FY19 – FY20 / 50,000 Unfunded	HMGP	1/10/2018	8 12/15/2017	lvy Drexl
1000 Pinellas Park	Replace Generator at Technical Services Building	Emergency Generator Installation to Maintain Service / 4	\$2	6 months / FY 2017- 25,000 2018	Unfunded	1/10/2018	3 10/24/2017	S. Boisve K. Gaden
	Boardwalk and Restoration of Wetlands - Performing Arts Center/England Brothers			12 months / FY				S. Boisve
1180 Pinellas Park	Park	Design work to improve drainage and natural functions of floodplain / 1	\$1	00,000 2017-2018 6 months / FY 2019-	Local funding	1/10/2018	3 10/24/2017	K. Gader S. Boisve
1270 Pinellas Park	Fire Station 35 Fuel Tank Replacement	Convault Tank Installation for Emergency Generator to Maintain Service / 4 Improvement of wet pond to increase drainage capability for several single family subdivisions and a 60		35,000 2020 12 months / FY	Infrastructure Sales Tax	1/10/2018	3 10/24/2017	K. Gader S. Boisve
1090 Pinellas Park	98th Avenue Pond Improvements	acre park / 1 Restoration of a 9,095 s.f. dry pond, to improve environmental conditions (pond now wet) and increase		00,000 2016-2017 12 months / FY 2010	FDEP Grant and Pinellas Park Utility fees	1/10/2018	3 10/24/2017	K. Gader S. Boisve
1090 Pinellas Park	Technical Services Pond Improvements	drainage capability of an area serving mobile home parks and industrial uses / 1		00,000 2017	FDEP Grant and Pinellas Park Utility fees	1/10/2018	3 10/24/2017	K. Gade
1050 Pinellas Park	England Brothers Park Drainage and Water Quality Improvements	Improvements to increase drainage capability and water quality for a 42.5 acre drainage area that flows through Channel One into Cross Bayou / 1		58, 125 18 months	SWFWMD Grant and Pinellas Park Utility fees	1/10/2018	3 10/24/2017	S. Boisve K. Gadei
933 Pinellas Park	60th St Roadway, utilities & drainage improvements	Improvements of drainage and related infrastructure along 60th St. from 102nd Ave to 110th Ave., including culverting existing ditches, installing sidewalks, replacement of existing asbestos concrete waterman with new 6" PVC, and reconstruction of existing roadway. /4		36,497 FY 17-19	IST	1/10/2018		S. Boisve K. Gader
			+ - ) 5		IST, Pinellas County, HMGP, FEMA Grant, Local	_, _0, _0_0		S. Boisve
1199 Pinellas Park	Fire Station 16	Relocation or construction of fire station ./4	\$4,0	00,000 Unfunded	coffers	1/10/2018	3 10/24/2017	K. Gader
1199 Pinellas Park	Fire Station 35	Relocation or construction of fire station ./4	\$4,0	00,000 Unfunded	IST, Pinellas County, HMGP, FEMA Grant, Local coffers	1/10/2018	3 10/24/2017	S. Boisve K. Gaden
1199 Pinellas Park	Fire Station 36	Construction of new Mainlands/Gateway Fire Station at 4050 80th Ave. /4	\$4,0	00,000 Unfunded	IST, Pinellas County, HMGP, FEMA Grant, Local coffers	1/10/2018	3 10/24/2017	S. Boisve K. Gader
1218 Pinellas Park	Citywide Analysis of Special Flood Hazard Area	Hire a stormwater / drainage consultant to determine effect of storm drains, cemented culverts, and ditches with special flood hazard areas within the City. /1	\$	50,000 FY 18-19	Utility Fee	1/10/2018	3 10/24/2017	S. Boisve K. Gade
10C1 Disallas Dark		located within the City's Community Redevelopment Area (CRA). The building is home to the Pinellas Park Gateway Chamber of Commerce, Pinellas Park Art Society, Pinellas Park Historical Society, Roe's Delicatessen, and the City's Communications and Marketing Department. Area businesses and non- profits are able to rent space at Park Station for meetings and events. In the days leading up to Hurricane Irma, city workers making storm preparations were provided hot meals at Park Station prepared by Roe's Deli. Following Hurricane Irma, FEMA representatives established a Disaster Recover Center at Park Station where city and county residents could obtain recovery information and file an application for federal disaster assistance. Park Station is a critical asset to the community and is need of 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 Park Station to include roof, walls, opening protection and installation of a permanent generator.	of	Currently Unfunded	HMGP	5/8/18	5/8/18	
1061 Pinellas Park	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 Barbar S. Ponce (BSP) Library in Pinellas Park became an anchor for the community by providing a safe place fo 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.	ır 1 -	Currently Unfunded	HMGP	5/8/18	5/8/18	
1124 Pinellas Park	Installation of Shutters at City Buildings	Prior to a major wind event such as a tropical storm or hurricane, the City of Pinellas Park enacts measures to protect 16 city-owned critical facilities from wind and storm damage by manually installing storm shutter panels to the door and window openings of each building. These buildings include a school, library, performing arts center, three fire stations, four recreation centers, three city service centers and a document storage facility. Preceding Hurricane Irma, the protection of these buildings required 20-30 personnel from Public Works, Utilities, and Parks and Recreation working for 3 days to manually install storm shutter panels on these facilities. In an effort to protect property and become a more disaster resilient community, the proposed project involves providing opening protection to include pre-installed hand-crank storm shutters for City facilities. These hand-crank storm shutters allow for personnel to better utilize their time and effort for emergency protective measures by filling sand bags and distributing food and water to shelters.		Currently Unfunded	HMGP	5/8/18	5/8/18	

Total		Description/ Natural Hazard Addressed (Key: 1=Flooding; 2=Storm Wind;	Timeframe /		Date Last	Date Last	Updated
Score Jurisdiction/ Organization	Project Name	3=Erosion; 4=All Hazard)	Est. Cost Status	Possible Funding Sources	Reviewed	Updated Comments	Ву
	Community Emergency Response Team			EMPATF, HMGP; PDM Program, and local funds			S. Boisvert
890 Pinellas Park / Fire Dept.	(CERT).	Supply CERT Training to 60 trainees. Estimated completion time: less than 12 months. / 4	\$30,000 Currently Unfunded	(i.e., Penny for Pinellas)	1/10/2018	10/24/2017	K. Gademe
	Structure Hardening - Forbes Recreation	Harden the recreation center to be used for sheltering and operations during and after a storm event.					S. Boisvert
970 Pinellas Park / Public Works	Center	Estimated completion time: more than 12 months. / 2	\$775,000 Currently Unfunded	EMPATF, HMGP; PDM Program; & local funds	1/10/2018	10/24/2017	K. Gademe
940 Pinellas Park / Public Works	Hardening - Public Works / Technical Services Building	Harden the Public Works/Technical Services Building for sheltering and operations. Estimated completion time: more than 12 months. / 2	\$950,000 Currently Unfunded	HMGP, EMPATF, and local funds (i.e. Penny for Pipellas)	1/10/2018	10/24/2017	S. Boisvert K. Gademe
	Services building		\$950,000 Currently Onlunded	Funding for the current phase is from local coffers.		10/24/2017	R. Gauerine
				Funding for implementation could include: Local			
		Design, engineer, construct and equip an Emergency Operations and Command Center. Estimated		Funds, SWFWMD Grant, EMPATF, HMGP; PDM			S. Boisvert
780 Pinellas Park / Public Works	Municipal EOC	completion time: more than 12 months. / 4	\$15,000,000 Currently Unfunded	Program.	1/10/2018	10/24/2017	K. Gademe
		The Public Works facility is hardened for a Category 3 storm and is the central location for all storm and					
		stormwater equipment and personnel that are activated before, during and after the storm. The	FY 2018-2019 /	The funding will be a combination of HGMP grant			S. Boisvert
1300 Pinellas Park/ Public Works	Generator for Public Works Facility	generator is necessary to ensure protection from flooding by providing continuity of operations./1	\$225,000 Grant Pending.	and local funds.		10/24/2017	K. Gademe
		Install a stormwater culvert at the headwaters of Pinellas Park Water Mgt. District Channel 3A to		Funding for the current phase is from local coffers.			
		eliminate localized flooding. Additionally, this improvement would remove a hazard which when over t's banks can totally submerge a car and eliminate the opportunity for people and children to be caught up		Funding for implementation could include: Local Funds, SWFWMD Grant, EMPATF, HMGP; PDM			S. Boisvert
1060 Pinellas Park/ Public Works	72nd Ave. Channel Culverting	in moving waters. /1	\$5,500,000 Currently Unfunded		1/10/2018	10/24/2017	K. Gademe
				Funding for the current phase is from local coffers.		10/2 //2017	
		Install a stormwater collection and conveyance system in a subdivision originally developed in the		Funding for implementation could include: Local			
		County in the 1960s and 70s. This would eliminate issues of localized flooding and dangerous		Funds, SWFWMD Grant, EMPATF, HMGP; PDM			S. Boisver
1020 Pinellas Park/ Public Works	Fairlawn Subdivision Drainage	stormwater inlets. /1	\$1,500,000 Currently Unfunded	Program	1/10/2018	10/24/2017	K. Gademe
		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					S. Boisvert
980 Pinellas Park/ Public Works	Relocation or Construction of FS 34	another station to serve the western third of the community. /4	\$7,000,000 Currently Unfunded	EMPATF, HMGP; PDM Program; & local funds	1/10/2018	10/24/2017	K. Gademe
		Develop a storm safe multi-level parking garage with the City's Primary EOC atop of the structure. The					
		EOC would be situated above both storm surge and 100 year floodplain hazards and be constructed to					
		be wind resistant. The elevated status would provide for self-sufficiency by utilizing solar and wind					
		energy to supplement the local power company source when power failure occurs. Additionally the					
		structure would be constructed to protect response vehicles of personnel that are housed at the City					
	Primary EOC and Storm Safe Parking	Shelter next door. The structure would also be able to serve as a support feature for downtown		HMGP, EMPATF, and local funds (i.e. Penny for	4 /4 0 /204 0	40/24/2047	S. Boisvert
905 Pinellas Park/ Public Works	Facility	development and support a future rail or BRT stop since the proposed site is near Park Station. /4	\$4,500,000 Currently Unfunded		1/10/2018	10/24/2017	K. Gademe
				Funding for the current phase is from local coffers. Funding for implementation could include: Local			
	78th Ave. and 78th St. Stormwater			Funds, SWFWMD Grant, EMPATF, HMGP; PDM			S. Boisvert
835 Pinellas Park/ Public Works	Improvements	Install a stormwater system to eliminate localized flooding. /1	\$750,000 Currently Unfunded		1/10/2018	10/24/2017	K. Gademe
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	\$200,000				
		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		HMGP	5/8/2018	5/8/2018	
		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.	Currently Unfunded				
1223 Pinellas Suncoast Fire & Rescue District	Construction of new fire station to meet	Current fire station does not meet building standards. Natural disasters, such as hurricanes require	\$4,000,000				
	current building standards in alternate	district personnel, i.e. firefighters and paramedics to evacuate to a safer location. Evacuation of	- ·,,				
	location	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		PDM	5/8/2018	5/8/2018	
		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.					
		Town Hall /EOC undated to ovicting for ownedited response to encourse by reducing laboration in the	Currently Unfunded				
Redington Shores / Emergency	Impact Windows for Town Hall EOC	Town Hall /EOC updates to existing for expedited response to emergency by reducing labor commitment and with revised Wind & Impact loads per current codes, located at 17425 Gulf Blvd. Estimated					Steve
1110 Management	(Critical Facility)	completion time: less than 12 months.	\$15,000 Town Funded	EMPATF, HMGP; PDM Program	1/10/2018	8/30/2016	Andrews
	(2				2, 20, 2010	-,	
Redington Shores / Emergency	Flood proofing, Tie -Down or Re-elevation	Town Hall /EOC updates to existing for Coastal High Hazard AE zone located at 17425 Gulf Blvd.					Steve
1050 Management	of Town Hall EOC (Critical Facility)	Estimated completion time: more than 24 months.	\$2,150,000 Currently Unfunded	EMPATF, HMGP; PDM Program	1/10/2018	8/30/2016	Andrews
		CATV broadcasting equipment emergency replacement for public education & awareness to provide up					
Redington Shores / Emergency		to date info re: Evacuation & shelters, flood mitigation programs & projects prior to emergencies.					Steve
880 Management	TV-Media Upgrades	Estimated completion time: less than 12 months. / 1	\$35,000 Town Funded	Town annual budget for EM.	1/10/2018	8/30/2016	Andrews
Redington Shores / Flood Stormwater	Create a Revised CRS program for the						Steve
1240 Planning	Town	Consultant to review/recommend program upgrades to flood management planning / 1 / 2	\$8,000 Town Funded	Local	1/10/2018	8/30/2016	Andrews
	Create a Beach (Erosion) Management	Provide for plans and specifications to expand existing Dune System and Walkover use. Estimated		CDBG; FMAP; HMGP; Nonpoint Source	1/10/2010	0/20/2010	Steve
870 area	plan.	completion time: more than 12 months. / 2	\$150,000 Currently Unfunded	Implementation Grants; HMGP Planning	1/10/2018	8/30/2016	Andrews

Total		Description/ Natural Hazard Addressed (Key: 1=Flooding; 2=Storm Wind;		Timeframe /		Date Last	Date Last	Update
Score Jurisdiction/ Organization	Project Name	3=Erosion; 4=All Hazard)	st. Cost	Status	Possible Funding Sources	Reviewed	Updated Comm	ents By
				Funding by				
		Rebuild stormwater drainage system in the last three (3) phases. Two phases were completed early		SWFWMD Grant and Town C.I.P. 2008-	CDBG; FMAP; HMGP; Nonpoint Source			Steve
850 Redington Shores / Public Works	Stormwater Management	2006. Estimated completion time: more than 12 months. / 1	\$3.10	00,000 2009.	Implementation Grants	1/10/2018	8/30/2016	Andrews
	Flood proofing, Structural Hardening of		+ - /			_, ,	-,,	
	Town Maintenance Garage (Essential	Wet Flood Proofing and bracing the Town's existing Maintenance facility located at 155 174th Ave. E.						Steve
830 Redington Shores / Public Works	Facility)	Located in FEMA Zone AE-11. Estimated completion time: more than 12 months. / 1	\$15	50,000 Currently Unfunded	EMPATF, HMGP; PDM Program	1/10/2018	8/30/2016	Andrews
		Place underground electrical, telephone and cable utilities to all properties along Gulf Boulevard from	4		CDBG; FMAP; HMGP; Nonpoint Source			Steve
820 Redington Shores / Public Works	Underground Utilities	175th Avenue to 83rd Terrace West. Estimated completion time: more than 12 months. / 2	Ş7,50	•	Implementation Grants; HMGP Planning	1/10/2018	8/30/2016	Andrews
				Funding by	Capitalization Grants for Clean Water State			
				Town C.I.P. 2008-	Revolving Funds; CDBG; FMAP; HMGP; Nonpoint			Steve
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	\$55	50,000 2009.	Source Implementation Grants; HMGP Planning	1/10/2018	8/30/2016	Andrews
1248 Redington Shores	Stormwater Backflow Valve	Minimize flooding in the town's lowest lying areas in town. These areas flood during major rain events \$2	24,000	Currently Unfunded	HMGP			
		and high tide.			HMGP	5/8/2018	5/8/2018	
1169 Redington Shores	LED Warning Sign	The goal of the LED sign is to notify visitors and residents of important messages before, during and after \$4	10,000	Currently Unfunded	HMGP	- /- /	- /- /	
		storm. This includes evacuation orders, warnings, hazards, etc.				5/8/2018	5/8/2018	Michael
								Schoderb
1320 Safety Harbor	Baytowne West Lift Station	Complete Renovation of Sanitary Sewer Lift Station. / 1,2	\$6	50,000 FY21/22	Local	1/10/2018	10/21/2016	k
								Michael
								Schoderb
1320 Safety Harbor	Highlands Lift Station	Complete Renovation of Sanitary Sewer Lift Station. / 1,2	\$6	50,000 FY18/19	Local	1/10/2018	10/21/2016	k
								Michael
1320 Safety Harbor	North Bayshore Lift Station	Complete Renovation of Sanitary Sewer Lift Station. / 1,2	\$6	50,000 FY17/18	Local	1/10/2018	10/21/2016	Schoderb k
				50,000 111/ 10		1/10/2010	10/21/2010	Michael
								Schoderb
1270 Safety Harbor	Cypress Hollow Lift Station Repair	Complete Renovation of Sanitary Sewer Lift Station. / 1,2	\$6	50,000 FY19/20	Local	1/10/2018	10/21/2016	k
								Michael
1270 Safaty Harbor	Harbor Woods Lift Station Popair	Complete Reportion of Sanitary Sower Lift Station / 1.2	ćσ		Local	1/10/2019	10/21/2016	Schoderb
1270 Safety Harbor	Harbor Woods Lift Station Repair	Complete Renovation of Sanitary Sewer Lift Station. / 1,2	٦٢	75,000 FY20/21	Local	1/10/2018	10/21/2016	K Michael
								Schoderb
1240 Safety Harbor	South Bayshore Lift Station and Generato	or Complete Renovation of Sanitary Sewer Lift Station. / 1,2	\$12	25,000 FY16/17	Local	1/10/2018	10/21/2016	k
								Michael
								Schoderb
1180 Safety Harbor	City Hall Window Replacement	Replace City Hall windows with wind resistant / impact resistant product. /2	\$15	50,000 FY16/17	Local	1/10/2018	10/21/2016	k
					Unfunded– pending joint project with Pinellas			Michael Schoderb
1030 Safety Harbor	Lower Mullet Creek Project	Design of the Lower Mullet Creek project. Water Quality and Flooding. /1,3,4	\$30	00,000 12-18 months	County	1/10/2018	10/21/2016	k
		Install protective window film on all windows in City Hall. Estimated completion time: less than 12	1		Residential Construction Mitigation Program;	_, ,		
1030 South Pasadena / Public Works	City Hall Window Protection	months. / 2	\$5	50,000 Currently Unfunded	EMPATF, HMGP; PDM Program	1/10/2018		
		Install mast arms at 3 remaining locations on Pasadena Avenue. Estimated completion time: less than 12			FDOT; EMPATF, Hazard Mitigation Grant Program;			
1010 South Pasadena / Public Works	Finish Mast Arms on Evac Route	months. / 2	\$1,50	00,000 Currently Unfunded	PDM Program.	1/10/2018		
					Decidential Construction Mitta dia D			
950 South Pasadena / Public Works	Generators	Install emergency generator at city hall. Estimated completion time: less than 12 months. / 4	ćc	50 000 Currently Unfunded	Residential Construction Mitigation Program; EMPATF, HMGP; PDM Program; Penny for Pinellas	1/10/2018		
	Generators	Bury utilities on all streets. Phase I - main roads \$1,500,000. Phase II - \$2,000,000. Estimated completion	ζQ		CDBG; FMAP; HMGP; Nonpoint Source	1/ 10/ 2018		
915 South Pasadena / Public Works	Bury Utilities	time: more than 12 months. / 2	\$3,50	00,000 Currently Unfunded	Implementation Grants; HMGP Planning	1/10/2018		
			. , -					
		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 upable to supply sufficient electricity to run the air conditioning system or sufficient electrical						
		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						
	Portable Generator and Transfer Switch	outlets to run station computers, dispatch printer(s), and communications equipment. Natural Hazards		Currently Unfunded;	Pre-Disaster Mitigation (PDM), Hurricane Program,			David
				1 1				

Total		Description/ Natural Hazard Addressed (Key: 1=Flooding; 2=Storm Wind;	T	Timeframe /		Date Last	Date Last		Updated
Score Jurisdiction/ Organization	Project Name	3=Erosion; 4=All Hazard)	Est. Cost S	Status	Possible Funding Sources	Reviewed	Updated (	Comments	Ву
		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							
1284 South Pasadena/Fire Department	Fire Station #20	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.	C	Currently Unfunded; Project for FY 2021	Pre-Disaster Mitigation (PDM), Hurricane Program, Penny Sales Tax	1/10/2018	3 10/10/2017 M	New Project	David Mixson
780 St. Anthony's Hospital / St. Petersburg	g 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 C	Currently Unfunded	Residential Construction Mitigation Program; EMPATF, HMGP; PDM Program	1/10/2018	3		
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 C	Currently Unfunded	Residential Construction Mitigation Program; EMPATF, HMGP; PDM Program	1/10/2018	3		
1330 St. Pete Beach	City EOC Retrofit	Provide shutters for the city EOC. Estimated completion time: less than 12 months. / 2	\$40,000 C	Currently Unfunded	EMPATF, HMGP; PDM Program	1/10/2018	3 10/3/2017		C.W. Porte
890 St. Pete Beach	Flood Proof Recreation Building	Flood-proof recreation building. Estimated completion time: more than 12 months. / 1	\$350,000 C	Currently Unfunded	FMAP; HMGP; PDM Program; EMPATF	1/10/2018	3 10/3/2017		C.W. Porte
1000 St. Data Daach	Acquisition of Depatitive Loss Dreparties	Purchase repetitive loss properties to mitigate losses. Estimated completion time: more than 12	¢1 000 000 c			1/10/2010	10/2/2017		C M/ Dorto
1000 St. Pete Beach	Acquisition of Repetitive Loss Properties	months. / 1 Create dunes where there are gaps in the system and restore those which do not meet current FDEP	\$1,000,000 C	urrently Unfunded	EMPATF, HMGP; PDM Program	1/10/2018	3 10/3/2017		C.W. Porte
		dune standards. This will protect the entire city against the impacts of storms and damage to lives and							
1220 St. Pete Beach	Dune Creation	property. /1,3	\$500,000 C	Currently Unfunded		1/10/2018	8 10/3/2017		C.W. Porte
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 C	Currently Unfunded		1/10/2018	3 10/3/2017		C.W. Porte
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		600,000 annually	Stormwater Fund, HGMP, SWFWMD.	1/10/2018			C.W. Porte
1262 St. Pete Beach	Seawall Rehabilitation	Seawall repair and replacement in accordance with established level of service. City staff review inventory and prioritize project locations annually./3	\$ \$500,000 2	5 100,000 annually 018-2022	Capital Projects Fund	1/10/2018	3 10/3/2017		C.W. Porte
		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							
1029 St. Pete Beach	Sub-Aqueous Condition Assessment	detailed assessment of the force main leading from pump station no. 1./1	. ,	ess than 12 months Aore than 12	Wastewater Fund Penny for Pinellas, Interlocal Agreement with	1/10/2018	3 10/3/2017		C.W. Porte
1073 St. Pete Beach	Gulf Boulevard Electric Undergrounding	Undergrounding of electric utility lines adjacent to Gulf Boulevard./2	\$4,500,000 n		Pinellas County	1/10/2018	3 10/3/2017		C.W. Porte
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	ess than 12 months	Grant from Pinellas County	1/10/2018	3 10/3/2017		C.W. Porte
		Replacement of the existing eastern north-south shell alley between 21st and 22nd Avenue in Pass-a-	\$120,000 L			1/10/2010	5 10/3/2017		C.W. FOR
1142 St. Pete Beach	Alley Improvements	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 1	.8 months	Capital Projects Fund	1/10/2018	3 10/3/2017		C.W. Porte
	, ,	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	i						
1169 St. Pete Beach	Blind Pass Stormwater Basin Connections	s basin per year for the next 7 years until the project is complete. /1 Improvements in stormwater basin 6F identified in the Stormwater Master Plan. This basin contains 5.8	\$1,400,000 7	' years	Stormwater Fund, SWFWMD	1/10/2018	8 10/3/2017		C.W. Porte
1080 St. Pete Beach	Boca Ciega Isle Stormwater Improvement	ts acres in a residential zone and comprises the east end of Boca Ciega Isle./1	\$350,000 1	8 months	Stormwater Fund	1/10/2018	3 10/3/2017		C.W. Porte
		Infrastructure improvements to the City-owned area across from Station 22 to facilitate the operation of	F						
1227 St. Pete Beach	Fire Department Dock	Fire Boat 22 (100% County-funded vessel). Improvements include a dock, boat lift, and all required electrical equipment./4	\$35,000 1	ess than 12 months	Capital Projects Fund	1/10/2018	3 10/3/2017		C.W. Porte
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			Stormwater Fund	1/10/2018			C.W. Porte
		"Change out" pumps reduce service interruption, the likelihood of SSOs, and the associated emergency				_, ,			
1047 St. Pete Beach	Pump Replacement Stock	maintenance cost. One surplus pump for each of the five different types currently in service will be acquired. /4	\$120,000 L	ess than 12 months	Wastewater Fund	1/10/2018	3 10/3/2017		C.W. Porte
		The combined valve vault where the outflow from the Cities of Treasure Island and St. Pete Beach enter							
1101 St. Pete Beach	Valve Vault Repair	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 2	4 months	Wastewater Fund	1/10/2018	3 10/3/2017		C.W. Porte
		Priority-based improvements to wastewater system infrastructure to help reduce the possibility of SSOs.	· · ·			-, -0, 2010	10, 5, 2017		
		The City received a system-wide inflow and infiltration study in fiscal year 2017, which prioritizes							
1065 St. Pete Beach	Wastewater Inflow and Infiltration Repair	rs manhole, lining, and pipe point repairs./4 Provide and install 40-kilowatt natural gas-fired generator to be located on the roof, in order to meet	\$4,900,000 5	years	Wastewater Fund	1/10/2018	3 10/3/2017		C.W. Porte
1299 St. Pete Beach	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	Vears	Currently Unfunded	1/10/2018	3 10/23/2017		C.W. Porte
		natural gas line to the building in order to ensure continuity of Operations./4	\$100,000 Z	ιγταις	currently offunded	1/10/2018	5 10/25/201/		C. VV. PU

Total		Description/ Natural Hazard Addressed (Key: 1=Flooding; 2=Storm Wind;	Tir	meframe /		Date Last	Date Last		Updated
Score Jurisdiction/ Organization	Project Name	3=Erosion; 4=All Hazard) Est.	t. Cost Sta	atus	Possible Funding Sources	Reviewed	Updated (	Comments	Ву
1230 St. Petersburg	Southwest Water Reclamation Facility Resiliency Wall	The City of St. Petersburg Engineering Department proposes to use FEMA Hazard Mitigation Grant\$6,00Program (HMGP) funds to design and construct a hydrostatic wall surrounding the Southwest WaterReclamation Facility (SWWRF). The SWWRF is located less than a mile from the Gulf of Mexico andcurrently resides in Zone AE, equivalent to a 1 percent annual chance inundation area, with a Base FloodElevation (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 untreatedwastewater would discharge into the Gulf of Mexico and the facility could be out of service for asignificant duration of time. Most assets at the site are elevated to similar heights (between 11 and 12feet NAVD), which leaves limited capacity to respond to current and future conditions such as sea levelrise. The Tampa Bay Climate Science Advisory Panel (CSAP) has found that the Tampa Bay region mayexperience sea level rise somewhere between 6 inches to 2.5 feet by 2050, which could increase the BFEat the SWRRF site by as much. The proposed flood wall will protect the facility during present-day andfuture storm surge events, benefitting the structural longevity of the SWWRF and allowing the facility tocontinue operation and provide wastewater service to a large service population that extends beyondCity boundaries. The flood wall will provide further benefit to the surrounding wetland habitats andneighboring properties by preventing any sanitary sewer overflows that may occur during heavy eventsfrom 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.	000,000		НМGР	5/8/2018	5/8/2018		
		critical infrastructure.		rrently Unfunded					
1289 St. Petersburg	James Weldon Johnson Library Generator	The aim of this project is to strengthen this building's infrastructure where the Library systems \$250 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.	50,000 Cur	rrently Unfunded	HMGP	5/8/2018	5/8/2018		
1370 St. Petersburg	Generator for St. Petersburg Fire Rescue Headquarters	This project would fund the replacement of the current generator at Fire Headquarters. The funding \$185 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.	35,100 Cur	rrently Unfunded	HMGP	5/8/2018	5/8/2018		
1002 St. Petersburg	Central Yacht Basin Seawall Project	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.	300,000		НМБР	5/8/2018	5/8/2018		
		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	Cur	rrently Unfunded					

Total		Description/ Natural Hazard Addressed (Key: 1=Flooding; 2=Storm Wind;	Timeframe	e /	Date Last D	Date Last		Updated
Score Jurisdiction/ Organization	Project Name	3=Erosion; 4=All Hazard)	st. Cost Status	Possible Funding Sources	Reviewed L	Jpdated Co	mments	Ву
1002 St. Petersburg	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 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.	4,300,000	НМGР	5/8/2018	5/8/2018		
		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	Currently Unfu	unded				
941 St. Petersburg	Leisure Services Complex Wind Retrofit		500,000	HMGP	5/8/2018	5/8/2018		
		public.	Currently Unfu	unded				
1025 St. Petersburg / Baycare, Inc.	Hospital EOC	Construct new EOC. Estimated completion time: more than 12 months. / 4	\$1,100,000 Currently Unfu	unded EMPATF, HMGP; PDM Program	1/10/2018			
1150 St. Petersburg / Bayfront Medical 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 Unfu	unded EMPATF, HMGP; PDM Program	1/10/2018			
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 Unfu	unded EMPATF, HMGP; PDM Program	1/10/2018			
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 Unfu	unded EMPATF, HMGP; PDM Program	1/10/2018			
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 Unfu	unded EMPATF, HMGP; PDM Program	1/10/2018			
		Harden the roof and curtainwall window assembly to protect against high wind velocity events.			4 4 9 19 9 4 9			
1070 St. Petersburg / Bayfront Medical Center	·	Estimated completion time: more than 12 months. / 2	\$1,250,200 Currently Unfu	unded EMPATF, HMGP; PDM Program	1/10/2018			
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 Unfo	Emergency Management, Preparedness and unded Assistance Trust Fund, HMGP; PDM Program	1/10/2018			
995 St. Petersburg / Bayfront Medical Center		The hospital's boiler & chiller plant needs hardening for severe weather mitigation. Estimated completion time; More than 12 months. / 2	\$1,000,000 Currently Unfu	Emergency Management, Preparedness and unded Assistance Trust Fund, HMGP; PDM Program	1/10/2018			
		On the South side of Building C, the Oxygen Tank Farm will be hardened. Estimated completion time;		Emergency Management, Preparedness and	4 /4 0 /2 0 4 0			
995 St. Petersburg / Bayfront Medical Center	Life Services Building Window, Door &	more than 12 months. / 2 The Life Services Building needs windows, doors and walls hardened for protection against high wind		unded Assistance Trust Fund, HMGP; PDM Program Emergency Management, Preparedness and	1/10/2018			
995 St. Petersburg / Bayfront Medical Center	Child Development Center Wind, Door &	velocity and severe weather events. Estimated completion time; more than 12 months. / 2 Harden windows, doors and roof for hurricane and severe weather mitigation. Estimated completion		unded Assistance Trust Fund, HMGP; PDM Program Emergency Management, Preparedness and	1/10/2018			
990 St. Petersburg / Bayfront Medical Center	Roof Hardening	time: more than 12 months. / 2	\$1,000,000 Currently Unfo	unded Assistance Trust Fund, HMGP; PDM Program Emergency Management, Preparedness and	1/10/2018			
980 St. Petersburg / Bayfront Medical Center	Family Health Center Structural Hardening	g Harden walls and roof to mitigate high wind velocity. Estimated time of completion: 12 months. / 2	\$1,000,000 Currently Unfo	unded Assistance Trust Fund, HMGP; PDM Program	1/10/2018			
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 Unfu	Emergency Management, Preparedness and unded Assistance Trust Fund, HMGP; PDM Program	1/10/2018			
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 Unfu	unded EMPATF, HMGP; PDM Program	1/10/2018			
St. Petersburg / City of St Petersburg 845 Development Svcs	Acquisition of Repetitive Loss Properties	Acquire repetitive loss properties to mitigate real property vulnerabilities. Estimated completion time: more than 12 months. / 1	\$1,000,000 Currently Unfu	Residential Construction Mitigation Program; unded EMPATF, HMGP; PDM Program	1/10/2018	9/26/2016		Noah Taylor
970 St. Petersburg / Eckerd College	Building Flood/Wind Retrofit	Retrofit priority support building to address vulnerabilities to high winds and/or flooding based on engineering evaluation. Estimated completion time: more than 12 months. / 1, 2	\$50,000 Currently Unfi	unded EMPATF, HMGP; PDM Program	1/10/2018	10/24/2016		Lisa Mets

Total		Description/ Natural Hazard Addressed (Key: 1=Flooding; 2=Storm Wind;	Timeframe /		Date Last	Date Last	Update
core Jurisdiction/ Organization	Project Name	3=Erosion; 4=All Hazard)	Est. Cost Status	Possible Funding Sources	Reviewed	Updated Comments	Ву
		Retrofit academic building to address vulnerabilities to high winds and/or flooding based on engineering					
40 St. Petersburg / Eckerd College	Building Flood/Wind Retrofit	evaluation. Estimated completion time: more than 12 months. / 1, 2	\$250,000 Currently Unfunded	EMPATF, HMGP; PDM Program	1/10/2018	10/24/2016	Lisa Mets
		Develop a community education program to provide a better interface between the City and its		Residential Construction Mitigation Program;			
80 St. Petersburg / St. Anthony's Hospital	Public Education	stakeholders. Estimated completion time: less than 12 months. / 4	\$10,000 Currently Unfunded	EMPATF, HMGP; PDM Program	1/10/2018		
	ER Retrofit to provide surge capacity for	Build surge capacity for St. Anthony's Hospital including a new Emergency Dept. Estimated completion		Residential Construction Mitigation Program;			
80 St. Petersburg / St. Anthony's Hospital	emergencies	time: more than 12 months. / 4	\$2,000,000 Currently Unfunded	EMPATF, HMGP; PDM Program	1/10/2018		
St. Petersburg/ City of St Petersburg	Oak Street NE and Gandy Blvd Storm						
170 Public Works	Drainage Improvements	Project will construct large conveyance piping to reduce street and property flooding. /1	\$1,000,000 FY16- FY18	Local	1/10/2018	9/26/2016	Noah Ta
St. Petersburg/ City of St Petersburg	Stormwater Management Master Plan						
430 Public Works	Update	Update 1994 Stormwater Management Master Plan utilizing SWFWMD criteria. /1	\$1,800,000 FY17-FY20	SWFWMD/Local	1/10/2018	10/24/2017	Noah Tay
		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					
St. Petersburg/ City of St Petersburg	Cosme Water Treatment Facilities	Pumping Station buildings. The existing buildings are not structurally sufficient to provide shelter of					
245 Public Works	Structural Improvements	emergency critical staff and remain operational during and after a hurricane.	\$1,000,000 Currently Unfunded	Bond CIP Funded	1/10/2018	10/24/2017	Noah Ta
		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					
St. Petersburg/ City of St Petersburg		and other locations throughout the city. The existing building is not structurally sufficient to provide			4 /4 0 /2 0 4 0	40/24/2017	
181 Public Works	Main Laboratory Replacement	shelter of emergency critical staff and remain operational during and after a hurricane.	\$4,400,000 Currently Unfunded	Bond CIP Funded	1/10/2018	10/24/2017	Noah Ta
		This project provides for the replacement of operation/lab/maintenance buildings located in an					
St. Dotorchurg/ City of Ct. Dotorchurg	CIN/ IN/stor Declamation Facility Public	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					
St. Petersburg/ City of St Petersburg 1223 Public Works	SW Water Reclamation Facility Building	buildings are not structurally sufficient to provide shelter of emergency critical staff during, and remain operational after a burricane	\$4,250,000 Currently Unfunded	Rond CID Eurodod	1 /10 /2010	10/24/2017	Noah Ta
	Replacements	operational after, a hurricane.	\$4,250,000 Currently Onfunded	Bond CIP Funded	1/10/2018	10/24/2017	NOdii Id
St. Detersburg / City of St. Detersburg	NE Water Declamation Facility Duilding	This project provides for the replacement of operation/lab/maintenance buildings to meet latest					
St. Petersburg/ City of St Petersburg	NE Water Reclamation Facility Building	hurricane and flood codes. The existing buildings are not structurally sufficient to provide shelter of	64.250.000 Currently Unfunded	Dond CID Fundad	1/10/2010	10/24/2017	Noob To
1223 Public Works	Replacements	emergency critical staff during, and remain operational after, a hurricane.	\$4,250,000 Currently Unfunded	Bond CIP Funded	1/10/2018	10/24/2017	Noah Ta
St. Dotorsburg / City of St. Dotorsburg	NW/Water Reclamation Facility Ruilding	This project provides for the replacement of operation/lab/maintenance buildings to meet latest					
St. Petersburg/ City of St Petersburg L223 Public Works	NW Water Reclamation Facility Building	hurricane and flood codes. The existing buildings are not structurally sufficient to provide shelter of	\$4,250,000 Currently Unfunded	Rond CID Eurodod	1/10/2018	10/24/2017	Noah Ta
	Replacements	emergency critical staff during, and remain operational after, a hurricane.	\$4,250,000 Currently Onfunded	Bond CIF Funded	1/10/2018	10/24/2017	NUali la
St. Petersburg/ City of St Petersburg	Water Resources Maintenance Building	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					
223 Public Works	Replacement	critical staff during, and remain operational after, a hurricane.	\$2,750,000 Currently Unfunded	Bond CIP Funded	1/10/2018	10/24/2017	Noah Ta
	Replacement		\$2,750,000 currently officiated	bond cir i unded	1/10/2010	10/24/2017	NUali la
		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					
St. Petersburg/ City of St Petersburg	Sanitary Sewer Inflow and Infiltration	infrastructure. Inflow and Infiltration during wet weather periods has increased flow rates above the					
1368 Public Works	Reduction Improvements	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	1/10/2018	10/24/2017	Noah Ta
		This project provides for the replacement of a building located in an Evacuation Zone A that contains	, ,, ,	- ,	, , , - ,		
St. Petersburg/ City of St Petersburg	NE Water Reclamation Facility MCC	electrical switch gear and controls for essential wastewater treatment process equipment with a new					
1193 Public Works	Building	building meeting current wind and flood building code requirements.	\$1,500,000 Currently Unfunded	Bond CIP Fund	1/10/2018	10/24/2017	Noah Ta
		This project provides for the replacement of a building located in an Evacuation Zone A that contains					
St. Petersburg/ City of St Petersburg	SW Water Reclamation Facility MCC	electrical switch gear and controls for critical wastewater treatment process equipment with a new					
1193 Public Works	Building	building meeting current wind and flood building code requirements.	\$1,500,000 Currently Unfunded	Bond CIP Fund	1/10/2018	10/24/2017	Noah Ta
		This project includes construction of stormwater improvements to alleviate heavy flooding along Bartlett					
St. Petersburg/ City of St Petersburg	Bartlett Park Area Storm Drainage	Park area and into recreation center in the neighborhood. Existing flooding is severe enough to reduce					
121 Public Works	Improvements	functionality of public park and services as well as endanger public safety.	\$1,400,000 Currently Unfunded	Bond CIP Fund	1/10/2018	10/24/2017	Noah Ta
		This project includes construction of stormwater improvements to alleviate heavy flooding along in the					
St. Petersburg/ City of St Petersburg	Broadwater at 42nd Ave S and 37th St/S	Broadwater Neighborhood. Current flooding has caused repetitive loss to vehicle and encroached on					
1026 Public Works	Storm Drainage Improvements	house structures as well as impeding road travel evacuating the neighborhood	\$1,200,000 Currently Unfunded	Bond CIP Fund	1/10/2018	10/24/2017	Noah Ta
		This project includes construction of stormwater improvements to alleviate a stormwater system that					
St. Petersburg/ City of St Petersburg		incorporates a large community that has experienced some repetitive loss and flooding concerns. It has					
906 Public Works	5th Ave Improvements East of 72nd Stree	et been identified in a stormwater masterplan update as a possible improvement area.	\$1,580,000 Currently Unfunded	Bond CIP Fund	1/10/2018	10/24/2017	Noah Ta
		With Pinellas County Emergency Management develop a county-wide public education program to					
Tampa Bay Regional Planning Council /		address preparation and mitigation actions for all hazards related to hurricanes. All jurisdictions will					
1130 Pinellas County	Regional Public Education Initiative	benefit from this effort. Estimated completion time: less than 12 months. / 4	\$75,000 Currently Unfunded	EMPATF, HMGP, PDM Program	1/10/2018		
Tampa Bay Regional Planning Council /	Post-Storm Evaluation of the Regional	Evaluate the evacuation study to identify any discrepancies in the predicted and observed elements of					
940 Pinellas County	Evacuation Study	the Regional Plan. Estimated completion time: less than 12 months. / 4	\$90,000 Currently Unfunded	EMPATF, HMGP; PDM Program	1/10/2018		
		Emergency generator to allow operations during state of emergency, power outages or other events of					Michael
· · · · · · · · · · · · · · · · · · ·		power loss. 1 & 2	\$64,200 Currently Unfunded	CDBG, HUD	1/10/2018	10/11/2017	Denehy
	Emergency Operations Generator						-
1166 Tarpon Springs Housing Authority	Emergency Operations Generator						Michael
	Emergency Operations Generator Landscape Restoration	Trimming of Palm, Planting of Sod & Shrubs, Repair of Erosion and Control of Runoff	\$56,640 Currently Unfunded	CDBG, HUD	1/10/2018	9/21/2016	Michael Denehy
1166 Tarpon Springs Housing Authority			\$56,640 Currently Unfunded	CDBG, HUD	1/10/2018	9/21/2016	

Total		Description/ Natural Hazard Addressed (Key: 1=Flooding; 2=Storm Wind;	Timeframe /		Date Last	Date Last		Updated
Score Jurisdiction/ Organization	Project Name	3=Erosion; 4=All Hazard)	Est. Cost Status	Possible Funding Sources	Reviewed	Updated	Comments	Ву
							As a result of Hurricane Irma the City has determined a need for additional	
Tarpon Springs Project Administration 1073 Department	Portable Generators	Purchase 15 portable generators	FY 2017 Currently \$450,000 Unfunded	City of Tarpon Springs General Fund and Utility Reserve Fund	1/10/2018	10/27/201	portable 7 generators	Heather Urwiller
	64.5	Stormwater Capital Improvement plan. (SAP-Stormwater Action Plan) Estimated completion time:					_	Heather
1200 Tarpon Springs Stormwater Division	SAP	Ongoing. / 4	\$100,000 Annually Currently funded	Stormwater Tax Assessment	1/10/2018	12/1/201	7	Urwiller
998 Tarpon Springs Stormwater Division	Vehicles	Purchase Tennant Mini Street Sweeper for removal of sidewalk and roadside sediment, fertilizer & debris that would otherwise get into our bayou system.	\$16,000 Purchased	Stormwater Tax Assessment	1/10/2018	8/23/201	7	Heather Urwiller
Tarpon Springs Streets & Stormwater 993 Division	Vehicles	Purchase CAT Mini Excavator & Trailor for in-house construction and maintenance of Stormwater	690 000 Durchasing	Stormwater Tax Assessment	1/10/2010	8/23/201	7	Heather
Tarpon Springs Streets & Stormwater	Venicles	infrastructure. Estimated completion time: Ongoing. / 1,3	\$89,000 Purchasing	Stormwater Tax Assessment, EMPATF, HMGP; PDN	1/10/2018	6/25/201	/	Urwiller Heather
1170 Division	Spruce Street flood abatement SAP 29	Project to reduce/eliminate localized flooding and emergency vehicle access.	\$151,230 Currently Unfunded	Program	1/10/2018	10/24/201	6	Urwiller
Tarpon Springs Streets & Stormwater 1080 Division	Riverside/Hillside flood abatement SAD 7	1 Project to reduce/eliminate localized flooding and emergency vehicle access.	Construction to	Stormwater Tax Assessment, EMPATF, HMGP PDM Program	-	8/23/201	7	Heather Urwiller
Tarpon Springs Streets & Stormwater	Aiverside/Thiside Hood abatement SAP 7.	ב דיסוכנו נסדבמתנכו כוודוווומנב וטכמווצבת ווטטמוווצ מוות בווובוצבוונץ עבווונוב מננבגז.	\$50,680 Begin 10/2017	Stormwater Tax Assessment, SWFWMD	1/10/2018	0/23/201	,	Heather
1260 Division	Pent/Grosse flood abatement SAP 5	Project to reduce/eliminate localized flooding and emergency vehicle access.	\$2,183,614 Construction 2018	Cooperative Funding Initiative (50% Match)	1/10/2018	8/23/201	7	Urwiller
Tarpon Springs Streets & Stormwater	Jasmine/Highland flood abatement			Stormwater Tax Assessment, SWFWMD				Heather
1190 Division	SAP 5 & 33	Project to reduce/eliminate localized flooding and emergency vehicle access.	\$993,382 Design Completion	Cooperative Funding Initiative (50% Match)	1/10/2018	8/23/201	7	Urwiller
Tarpon Springs Streets & Stormwater	Athens/Dodecanese flood abatement						_	Heather
1120 Division	SAP 42	Project to reduce/eliminate localized flooding and emergency vehicle access.	\$110,915 Design Phase	Stormwater Tax Assessment	1/10/2018	8/23/201	7	Urwiller
Tarpon Springs Streets & Stormwater 1180 Division	Palm Avenue flood abatement SAP 22	Project to reduce/eliminate localized flooding and emergency vehicle access.	Design 2018- \$499,958 Construction 2019	Stormwater Tax Assessment, SWFWMD Cooperative Funding Initiative (50% Match)	1/10/2018	8/23/201	7	Heather Urwiller
Tarpon Springs Streets & Stormwater	raim Avenue nood abatement SAF 22	roject to reduce/emmate localized hobding and emergency vehicle access.	Begin 10-1-17 &	Stormwater Tax Assessment, SWFWMD	1/10/2010	0 0/23/201	/	Heather
1160 Division	GIS Mapping of Stormwater Infrastructur	e Project to reduce/eliminate localized flooding and emergency vehicle access.	\$200,000 Complete 2019/20	Cooperative Funding Initiative (50% Match)	1/10/2018	8/23/201	7	Urwiller
Tarpon Springs Streets & Stormwater				Stormwater Tax Assessment, EMPATF, HMGP; PDM				Heather
1170 Division	Avoka Drive flood abatement SAP 74	Project to reduce/eliminate localized flooding and emergency vehicle access.	\$255,600 Currently Unfunded	Program	1/10/2018	10/24/201	6	Urwiller
Tarpon Springs Streets & Stormwater	Mango Street & Mango Circle flood			Stormwater Tax Assessment, EMPATF, HMGP; PDN				Heather
1140 Division	abatement SAP 102	Project to reduce/eliminate localized flooding and emergency vehicle access.	\$43,900 Currently Unfunded		1/10/2018	10/24/201	6	Urwiller
Tarpon Springs Streets & Stormwater 1160 Division	Coburn Drive flood abatement SAP 39	Draiget to reduce (aliminate localized flooding and emergency vehicle access	\$210.040 Currently Unfunded	Stormwater Tax Assessment, EMPATF, HMGP; PDN		10/24/201	c	Heather
Tarpon Springs Streets & Stormwater	Levis between Lime & Oakwood flood	Project to reduce/eliminate localized flooding and emergency vehicle access.	\$210,040 Currently Unfunded	Stormwater Tax Assessment, EMPATF, HMGP; PDN	1/10/2018	10/24/201	5	Urwiller Heather
1160 Division	abatement SAP 25	Project to reduce/eliminate localized flooding and emergency vehicle access.	\$248,638 Currently Unfunded		1/10/2018	10/24/201	6	Urwiller
Tarpon Springs Streets & Stormwater	Kenneth Way & Seaside flood abatement			Stormwater Tax Assessment, EMPATF, HMGP; PDM				Heather
1190 Division	SAP 57	Project to reduce/eliminate localized flooding and emergency vehicle access.	\$91,000 Currently Unfunded	Program	1/10/2018	10/24/201	6	Urwiller
1270 Town of Belleair	Generator Installation Town Hall/Police Department	1, 2	138,476.00 6 months	HMGP Hurricane Hermine	1/10/2018	4/24/201	7	Greg Lauda
	Citywide Seawall Assessment and Repair		,		, , , = = =	, , – - –		
	for Locations NOT listed as a separate							Paulette
1710 Treasure Island	project (street ends, etc.)	Citywide Seawall repair/replacement. Estimated completion time: more than 12 months. / 4	\$2,260,000 Currently Unfunded	EMPATF, HMGP; PDM Program; CDBG	1/10/2018	10/30/201	7	Cohen
		Harden critical municipal facilities including: PWorks Admin, PWorks Garage. Estimated completion	¢100.000 Fundadau Citu		4 /4 0 / 2 0 4 0	10/20/201	-	Paulette
970 Treasure Island	Wind Retrofit of critical facilities	time: more than 12 months. / 2  Repair (replace segment adjacent to critical facilities: Estimated completion time: more than 12 months	\$100,000 Funded by City	EMPATF, HMGP; PDM Program;	1/10/2018	10/30/201	/	Cohen
1060 Treasure Island	City Hall Seawall Rehabilitation	Repair/replace seawall adjacent to critical facilities: Estimated completion time: more than 12 months. / 3	\$660.000 Currently Unfunded	EMPATF, HMGP; PDM Program; CDBG	1/10/2018	10/30/201	7	Paulette Cohen
		Purchase and installation of four (4) electronic signs, to be placed at strategic locations on either side of			1, 10, 2010	10, 50, 201		Jonen
		the two bridges. Signs would afford motorists, cyclists, and pedestrian's sufficient opportunity to choos		;				
		alternate travel routes in the event bridge(s) are closed for repairs, malfunction, traffic accidents, or	Projected for FY	DOT Grant (County Incentive Program); CDBG;				Paulette
970 Treasure Island	Electronic Information Signs at Bridges	other reasons. /4	\$600,000 2019	HMGP; HMGP Planning; Local Funding	1/10/2018	10/30/201	7	Cohen
	Stormwater Interceptor project in Sunset Beach and rehabilitation of underdrain system at lots 2 and 3 improvement of			y Capitalization Grants for Clean Water State d Revolving Funds; CDBG; FMAP; HMGP; SWFWMD				
	,	y At lots 2 and 3 and nearby areas. 2016: Phase 4 & 5. 2017: Phase 6. 2018: Master Plan. 2019: Causeway	•	Cooperative Funding, Nonpoint Source				Paulette
1290 Treasure Island	/ 4	Area. 2020: Sunshine Beach Area. 2021: Downtown Area.	\$3,105,000 18- FY 21: Unfunded		1/10/2018	10/30/201	7	Cohen
	Replacement of City Hall and seawall	Harden critical municipal facilities - Admin, Fire, and Police Estimated completion time: more than 12						Paulette
1270 Treasure Island	rehabilitation	months. / 2	\$8,000,000 Currently Unfunded	EMPATF, HMGP; PDM Program; CDBG; FMAP	1/10/2018	10/30/201	7	Cohen
			<b>_</b>	Capitalization Grants for Clean Water State				
1220 Treasure Island	Provide ten 10.5 and 5 hp pumps and	(Lift Station 7 -\$250,000)(Lift Station 9 - \$250,000)(Lift Station 8 - \$250,000)(Lift Station 6 - \$250,000) Harden critical municipal facilities - Estimated completion time: more than 12 months //	Partially Funded by	Revolving Funds; CDBG; FMAP; HMGP; Nonpoint	1/10/2010	10/20/201	7	Paulette Cohen
1220 Treasure Island	controls to city lift stations	Harden critical municipal facilities - Estimated completion time: more than 12 months. / 4	\$1,000,000 City	Source Implementation Grants; HMGP Planning	1/10/2018	10/30/201	1	Cohen

Total		Description/ Natural Hazard Addressed (Key: 1=Flooding; 2=Storm Wind;	Time	eframe /		Date Last	Date Last		Updated
Score Jurisdiction/ Organization	Project Name	3=Erosion; 4=All Hazard)	Est. Cost Statu	us	Possible Funding Sources	Reviewed	Updated	Comments	Ву
				Currently Unfunded;					
			Projec	cted for FY					Paulette
970 Treasure Island	Kingfish Park Seawall Rehabilitation	Repair/replace seawall: Estimated completion time: less than 12 months. / 3	\$50,000 2018		EMPATF, HMGP; PDM Program; CDBG	1/10/2018	3 10/30/201	7	Cohen
			Capitalization Grants for Clean Water State						
		Elevation of Controls & Electrical Equipment in Lift Station #4 Estimated completion time: more than 12	2 Partial	ally Funded by	Revolving Funds; CDBG; FMAP; HMGP; Nonpoint				Paulette
940 Treasure Island	Lift Station #4 - Refurbishment	months. / 4	\$823,300 City		Source Implementation Grants; HMGP Planning	1/10/2018	3 10/30/201	7	Cohen
			Currer	ntly Unfunded;	:				
		Inventory all street and identification signs using GPS technology to facilitate replacement following a	Projec	cted for FY					Paulette
890 Treasure Island	GPS Inventory of Street Signs	storm event. Estimated completion time: more than 12 months./ 4	\$50,000 2018		CDBG; HMGP; HMGP Planning	1/10/2018	3 10/30/201	7	Cohen
					DOT Grant (County Incentive Program);				
			Currer	Currently Unfunded; Capitalization Grants for Clean Water State					
		Hire a consultant to conduct a study regarding rising sea level impacts and possible mitigation measure	s Projec	cted for FY	Revolving Funds; CDBG; HMGP; HMGP Planning;				Paulette
1060 Treasure Island	Mitigation of Rising Sea Levels Study	and associated mitigation measure costs for Treasure Island.	\$400,000 2021		Local Funding	1/10/2018	3 10/30/201	7	Cohen