

12. MISCELLANEOUS ITEMS TO BE RECEIVED FOR FILING:

- a. City of Clearwater Notices of Public Hearings regarding proposed Ordinances Nos. 8537-14 through 8539-14 amending the Annexation, Land Use Plan, and Zoning Atlas; and Notices of Intent to Consider Development Agreements (2); public hearings held February 20 and March 6, 2014.
- b. City of Dunedin Notice of Glenn Moor Neighborhood Participation Meeting held February 25, 2014, and Notice of Public Hearing to be held April 3, 2014, re land use plan amendment, rezoning, and final design review for Glenn Moor project.
- c. City of Largo Notices of Public Hearings regarding proposed Ordinances Nos. 2014-29 and 2014-30 to be held April 15, 2014, annexing certain property (change of hearing date).
- d. City of Largo Resolution No. 2109 adopted January 21, 2014, endorsing the Greenlight Pinellas Plan.
- e. City of Pinellas Park Notice of Public Hearing held March 13, 2014, re proposed Ordinance voluntarily annexing certain property.
- f. Pinellas County Local Mitigation Strategy 2014 Annual Update.
- g. Correspondence from City of St. Petersburg Mayor Rick Kriseman re proposed Pinellas County Emergency Medical Services CARES 2 Plan.

If a copy of a report or CD is desired, please check the web page of the organization/municipality or contact Board Records at 464-3465.

City of

PINELLAS PARK

Community Planning
City Hall P.O. BOX 1100
PINELLAS PARK, FL 33780-1100



FLORIDA

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January 30, 2014

Laura Hite, FPEM, Lead Mitigation Planner
Florida Division of Emergency Management
ATTENTION: Mitigation Planning Section
2555 Shumard Oaks Boulevard
Tallahassee, FL 32399-2100

RE: 2014 Local Mitigation Strategy – Annual Update: Pinellas County

Dear Ms. Hite:

This letter is to comply with Florida Administrative Code 27P-22, pertaining to the annual update on information regarding the Pinellas County Local Mitigation Strategy (LMS) and its Working Group.

The Chair of the Pinellas County LMS Working Group was elected at a regularly scheduled meeting on January 16, 2014. The Chair for 2014 is Robert Bray, Community Planning Director, City of Pinellas Park.

The membership consists of two types of members. Voting members representing each municipality, the Pinellas County School Board, Pinellas County Emergency Management Department and Pinellas County Planning Department have one vote. Advisory members do not have a vote, but are consulted for technical expertise and valuable input into the planning process. The Working Group has increased its participation of not-for-profit organizations, faith-based associations and the private sector. Attached, for your information, is the current roster of LMS participants in Pinellas County. A regular schedule of quarterly meeting dates is set for the year. Discussion issues and other pertinent information are disseminated by email, as well as posted on a SharePoint site linked to our public access website: www.pinellaslms.org.

Also attached are the updates to the Pinellas County LMS that were approved by the LMS Working Group at its January 16, 2014 meeting. These updates pertain to Appendix 9 - Mitigation Initiatives, Appendix 10 - Mitigation Accomplishments, a Membership, and the proposed meeting schedule. No other changes have been made to the LMS.

If you have further questions, please feel free to me at 727.541-0704 or bbray@pinellas-park.com.

Sincerely,

R. G. Bray, Jr., AICP
Community Planning Director
LMS Chair

Attach.
cc:

- Commissioner Karen W. Seel, Chair
Pinellas County Board of County Commissioners
- Sally Bishop, Director
Pinellas County Emergency Management
- Gordon Beardslee, Director
Division of Sustainable Planning and Development
- Douglas Lewis, City Manager
City of Pinellas Park
- Patrick Murphy, Asst. City Manager
City of Pinellas Park

cc'd - Wendy Nero
BCC
Bob LaSala
David Scott

RECEIVED
BOARD OF
COUNTY COMMISSIONERS
PINELLAS COUNTY FLORIDA
2014 FEB 11 PM 4:46

Appendix 9

Initiatives

Pinellas County Local Mitigation Strategy

Appendix 9 Mitigation Initiatives

Total Score	Jurisdiction/ Organization	Project Name	Description/ Natural Hazard Addressed Key: 1=Flooding; 2=Storm Wind; 3=Erosion; 4=All Hazard	Est. Cost	Status	Possible Funding Sources see App 11 for key to acronyms.
680	PC Parks & Conservation Resources	Mobbly Bay Habitat Restoration (656)	Comprehensive ecosystem restoration project for wetland and upland creation and enhancement and stormwater polishing. /2	\$2,382,100	FY2012 - FY2017	Grant; Local funds; SWFWMD
770	PC RE Management	EMS Emergency Generator (2334)	Replacement of 2 emergency generators. /4	\$577,200	FY 2012 - FY2013	Penny for Pinellas; General Fund
770	Tarpon Springs / Engineering	Stormwater Management	Implement storm water improvement plan. Estimated completion time: more than 12 months. / 1	\$1,200,000	Currently Unfunded	EMPATF, HMGP; PDM Program
775	St. Pete Beach	Fire Station Retrofit	Install storm shutters on the fire department building. Estimated completion time: less than 12 months. / 2	\$35,000	Currently Unfunded	Residential Construction Mitigation Program; EMPATF, HMGP; PDM Program
780	Pinellas Park / Public Works	Municipal EOC	Design, engineer, construct and equip an Emergency Operations and Command Center. Estimated completion time: more than 12 months. / 4	\$15,000,000	Currently Unfunded	Funding for the current phase is from local coffers. Funding for implementation could include: Local Funds, SWFWMD Grant, EMPATF, HMGP; PDM Program.
780	St. Anthony's Hospital / St. Petersburg	Public Education	Develop a community education program to provide a better interface between the City and its stakeholders. Estimated completion time: less than 12 months. / 4	\$10,000	Currently Unfunded	Residential Construction Mitigation Program; EMPATF, HMGP; PDM Program
780	St. Anthony's Hospital / St. Petersburg	ER Retrofit to provide surge capacity for emergencies	Build surge capacity for St. Anthony's Hospital including a new Emergency Dept. Estimated completion time: more than 12 months. / 4	\$2,000,000	Currently Unfunded	Residential Construction Mitigation Program; EMPATF, HMGP; PDM Program
780	St. Pete Beach	Response/ Recovery Equipment	Procure vehicle lift, high lift jacks, air compressor and related tools for tire repair. Estimated completion time: more than 12 months. / 4	\$20,000	Currently Unfunded	Residential Construction Mitigation Program; EMPATF, HMGP; PDM Program
810	North Redington Beach / Public Works	Underground Utilities	Place underground utilities along Gulf Boulevard (NRB). Estimated completion time: more than 12 months. / 2	\$7,000,000	Currently Unfunded	EMPATF; HMGP; PDM Program

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810	Seminole / Fire Dept.	EOC	Construct emergency operations center and public works garage. Estimated completion time: more than 12 months. / 4	\$6,500,000	Completed	This project is likely to be underway during FY 2009-10 and completed during FY 2010-11. Project is fully funded.
815	Redington Beach / Public Works	Flood mitigation of town streets and roads	Milling and resurfacing of town (approx. 7 miles) roads and streets. No estimate completion time. / 4	\$2,000,000	Currently unfunded.	Town reserves
820	Belleair Beach / Public Works	Underground Utilities	Put utilities underground. Estimated completion time: more than 12 months. / 2	\$15,000,000	Currently Unfunded	HMGP; PDM Program
820	Largo/Envir. Services - Collections	Warehouse	Initiative: Warehouse (Environmental Services / Collections). Description: The WWRF currently has a warehouse with inadequate capacity for the storage of critical backup equipment and spare parts. This project consists of retrofitting the existing PSTA building to function as a warehouse with adequate capacity and centralized record keeping. This will insure that equipment and materials are properly inventoried, managed, and at the ready during a man-made and/or natural disaster. This project is part of the approved CIP. / 4	\$700,000	FY12 - FY16	Wastewater (Local)
820	Redington Shores / Public Works	Underground Utilities	Place underground electrical, telephone and cable utilities to all properties along Gulf Boulevard from 175th Avenue to 183rd Terrace West. Estimated completion time: more than 12 months. / 2	\$7,500,000	Currently Unfunded	CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants; HMGP Planning
830	Indian Rocks Beach / Planning & Zoning Dept.	Beach Management Plan	Write a plan for a dune system, vegetation program, breakwaters, jetties, groins, etc. to prevent erosion. Estimated completion time: less than 12 months. / 3	\$20,000	Currently Unfunded	Capitalization Grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants HMGP Planning;
830	North Redington Beach / Public Works	Stormwater Management #2	Implement retrofit of the remaining 14 storm water valves. Estimated completion time: more than 12 months. / 1	\$210,000	Currently Unfunded	EMPATF, HMGP; PDM Program
830	PC DEI	Cross Bayou Channel 2 - Rena Dr. (1821)	Improve Cross Bayou Channel 2 from 66th St. to Pinecrest Subdivision. Estimated completion time: more than 12 months. / 1	\$1,116,900	FY2012	Penny for Pinellas

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830	Redington Shores / Building Department	Flood proofing/ Elevation of Town Critical Facility	Flood proof the maintenance facility located at 155 174th Ave. EaSt. Estimated completion time: more than 12 months. / 1	\$150,000	Currently Unfunded	EMPATF, HMGP; PDM Program
830	Treasure Island / Public Works	TB Golf Seawall Rehabilitation	Seawall repair/replacement. Estimated completion time: more than 12 months. /3	\$828,000	Currently Unfunded	Capitalization Grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants
835	Pinellas Park/ Public Works	78th Ave. and 78th St. Stormwater Improvements	Install a stormwater system to eliminate localized flooding. /1	\$750,000	Currently Unfunded	Funding for the current phase is from local coffers. Funding for implementation could include: Local Funds, SWFWMD Grant, EMPATF, HMGP; PDM Program
840	Lealman SFCD / Emergency Management	Fleet Building Emergency Power	Evaluate and install quick connect and power transfer switch. Estimated completion time: less than 12 months. / 4	\$35,000	Currently Unfunded	EMPATF, HMGP; PDM Program
840	North Redington Beach / Public Works	Stormwater Management #1	Install storm water sewer valve to prevent storm water/tidal backup into the streets. Estimated completion time: less than 12 months. / 1	\$25,000	Currently Unfunded	FMAP; HMGP; PDM Program
840	St. Petersburg / Emergency Management	Flood and Wind Retrofit of Municipal Buildings	Retrofit windows to protect against storm impacts. Estimated completion time: more than 12 months. / 2	\$310,000	Currently Unfunded	HMGP and Local
845	St. Petersburg / Development Svcs	Acquisition of Repetitive Loss Properties	Acquire repetitive loss properties to mitigate real property vulnerabilities. Estimated completion time: more than 12 months. / 1	\$1,000,000	Currently Unfunded	Residential Construction Mitigation Program; EMPATF, HMGP; PDM Program
850	Clearwater / Engineering	Install crew and warehouse facility at Public Works	Purchase 3,000 sf recovery crew facility and warehouse. Estimated completion time: more than 12 months. / 4	\$1,000,000	Currently unfunded	EMPATF, HMGP; PDM Program

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850	Clearwater / General Services	Hardened Countryside Recreation Center	Harden windows and doors, increase roof attachments and install emergency generator. Estimated completion time: more than 12 months. / 2	\$300,000	Currently unfunded	EMPATF, HMGP; PDM Program
850	PC DEI	Various Assessment Drainage Projects (767)	Drainage improvements county wide. Estimated completion time: more than 12 months. / 1	\$250,000	FY2012	Special Assessment
850	PC DEI	Lealman Area Drainage Improvements (1628)	Stormwater improvements along 58th Ave. Estimated completion time: more than 12 months. / 1	\$2,180,150	FY2011	Penny for Pinellas
850	Redington Shores / Public Works	Stormwater Management	Rebuild stormwater drainage system in the last three (3) phases. Two phases were completed early 2006. Estimated completion time: more than 12 months. / 1	\$3,100,000	Currently Unfunded	CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants
850	Tarpon Springs / Roads & Streets	Equipment	Purchase front end loader for debris removal. Estimated completion time: less than 12 months. / 1, 2	\$125,000	Currently Unfunded	EMPATF, HMGP; PDM Program
850	Treasure Island / Public Works	Capri Bridge replacement	Replace fixed bridge to the Isle of Capri (evacuation route). Estimated completion time: more than 12 months. / 4	\$2,400,000	Currently Unfunded	Capitalization Grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants; HMGP Planning
860	Indian Rocks Beach / Public Services	Road Milling, Resurfacing and curbing	Road deterioration causes safety hazards and negatively impacts the attractiveness of the neighborhood. This project includes continuation of street milling, resurfacing, and curb replacement and includes updating the drainage system in the areas resurfaced. This project also includes concrete curb and gutter replacement and asphalt milling and resurfacing at selected locations in Fiscal Years 2016 and 2018. / 3	\$132,714	Currently Unfunded	Special Revenue Fund – Penny for Pinellas; City of Indian Rocks Beach Capital Improvement Plan; Capitalization Grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants

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860	Lealman SFCD / Emergency Management	Fleet Building Hardening	Harden with rolldown shutters, 2 single doors and 1 window. Estimated completion time: less than 12 months. / 2	\$3,900	Currently unfunded	
860	PC DEI	The Glades Drainage Assessment (1615)	Enclose existing drainage ditch with pipe in 2 developments. Estimated completion time: more than 12 months. / 1	\$1,089,200	FY2012	Penny for Pinellas; SWFWMD
860	PC DEI	Antilles/Oakhurst Drainage Improvements (1820)	Improvements to alleviate street flooding. Estimated completion time: more than 12 months. / 1	\$2,214,900	FY2012 - FY 2015	Penny for Pinellas
860	PC DEI	Creek Erosion Control Program (1632)	Erosion control along various county conveyances. Estimated completion time: more than 12 months. / 3	\$150,000	FY2017	Penny for Pinellas
860	PC DEI	Bear Creek Channel Improvements (922306)	Channel improvements, bridge replacements, and side slope stabilization. Estimated completion time: more than 12 months. / 3	\$2,908,900	FY2012	Penny for Pinellas; SWFWMD
860	PC DEI	Keystone Road Reconstruction (920522)	Reconstruct major north county east-west hurricane evacuation route. Estimated completion time: more than 12 months. / 4	\$16,805,900	FY2012 - FY2015	Penny for Pinellas
860	PC DEI	Bryan Dairy Road - Starkey to 72nd St. (920588)	Reconstruct north-south evacuation route to a 6-lane divided arterial. Estimated completion time: more than 12 months. / 4	\$9,275,400	FY2012 - FY2013	Penny for Pinellas; Grants
860	PC DEI	Pinellas Trail - 54th Ave. Drainage Improvements (1823)	Alleviate flooding on 54th Ave. N, Pinellas Trail, and 97th Way. Estimated completion time: more than 12 months. / 1	\$1,668,100	FY2012 - FY2014	Penny for Pinellas
860	PC DEI	Traffic Signal Mast Arms (2355)	Replacement of strain poles with mast arms at key intersections within unincorporated areas. / 2	\$1,300,000	FY2017	Penny for Pinellas
860	PC DEI	Drainage Channel Dredging Program (654)	Remove silt and obstructions which impede proper flow of water through drainage channels. Estimated completion time: more than 12 months. / 1	\$350,000	FY2017	Penny for Pinellas

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865	Indian Shores / Town Administrator	Detention Pond	Create a detention pond and storm water drainage system in the community redevelopment area. Estimated completion time: more than 12 months. / 1	\$100,000	Currently Unfunded	Capitalization Grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants
870	Belleair Beach / Public Works	COOP SW & Documentation Program	Create a document management program using electronic scanning and retrieval software. Estimated completion time: less than 12 months. / 4	\$40,000	Currently Unfunded	EMPATF (Municipal)
870	Indian Rocks Beach / Public Services	Gulf Blvd Utility Undergrounding	To make aesthetic and safety improvements to Gulf Blvd, including the undergrounding of the Gulf Blvd overhead utilities and to elevate transformers and other equipment above the base flood elevation. Phase 1 of the project, about \$4 million in cost would start at the southern boundary of the City (Whitehurst) and continue north through the Gulf Blvd/Walsingham Rd intersection to at least 6th Ave. project construction design is scheduled for 2016, undergrounding construction in 2017 and surface restoration in 2018. / 4	\$750,000	Currently Unfunded	CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants; PDM Program; EMPATF
870	PC DEI	Drainage Pond Compliance Program (1629)	Improve existing ponds for permit compliance. Estimated completion time: more than 12 months. / 1	\$750,000	FY2017	Penny for Pinellas
870	PC DEI	Bee Branch Drainage Improvements (922333)	Bank stabilization, erosion control, and drainage structure replacement. Estimated completion time: more than 12 months. / 3	\$6,570,900	FY2012 - FY2016	Penny for Pinellas; SWFWMD
870	PC DEI	Curlew Creek Channel A Improvements (1124)	Channel improvements & retention project (Joint project with City of Dunedin). Estimated completion time: more than 12 months. / 3	\$7,115,800	FY2012 - FY2014	Penny for Pinellas; SWFWMD
870	Tarpon Springs / Engineering	Flood Study	Do a flood study to mitigate the effects of the Anclote River on bridges crossing at Alt 19 & US HWY 19N. Estimated completion time: more than 12 months. / 1	\$75,000	Currently Unfunded	EMPATF, HMGP; PDM Program

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870	Treasure Island / Public Works	Palms Bridge replacement	Replace fixed bridge to the Isle of Palms neighborhood. Estimated completion time: more than 12 months. 4	\$1,550,000	Currently Unfunded	Capitalization Grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants
880	Clearwater / Stormwater	Hercules Industrial Park Water Quality Improvements	1 (Stormwater improvements)	\$1,000,000	Unfunded	SWFWMD Co-operative funding; City of Clearwater Stormwater Utility Fund
880	Oldsmar / Planning and Redevelopment; Communications	Public Education and Information	Provide education and information to property and business owners about storm damage and ways to properly protect structures. Estimated completion time: more than 12 months. / 4	\$25,000	Currently Unfunded	EMPATF; HMGP; PDM Program
880	Redington Shores / Emergency Management	TV-Media Upgrades	Flood proofing the Town's existing Maintenance facility located at 155 174th Ave. EaSt. Located in FEMA Zone A-12. Estimated completion time: more than 12 months. / 1	\$35,000	Currently unfunded	
880	Tarpon Springs / Public Safety	S&R Boat	Procure boat & motor to be used for access of critical facilities at a time of flooding. Estimated completion time: less than 12 months. / 1	\$15,000	Currently Unfunded	EMPATF, HMGP; PDM Program

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880	Tarpon Springs / Public Safety	S&R Vehicles	Purchase two 4-wheel drive utility vehicles to access critical facilities. Estimated completion time: less than 12 months. / 1	\$44,000	Currently Unfunded	FMAP; HMGP; PDM Program
880	Tarpon Springs / Roads & Streets	Wood Chipper for Response	Purchase wood chipper for clearing debris. Estimated completion time: less than 12 months. / 1, 2	\$25,000	Currently Unfunded	EMPATF, HMGP; PDM Program
880	Tarpon Springs / Roads & Streets	Equipment	Purchase grapple truck for clearing use. Estimated completion time: less than 12 months. / 1, 2	\$85,000	Currently Unfunded	EMPATF, HMGP; PDM Program

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885	St. Petersburg / Water Resources Dept.	Retrofit of Gulf-to-Bay Pump Station	Provide structural steel strut reinforcing of exterior walls; additional connections of roof planks; hurricane shutters. Estimated completion time: more than 12 months. / 2	\$35,000	Currently Unfunded	EMPATF, HMGP; PDM Program
890	Belleair Beach / Public Works	Evacuation Trailers	Purchase 2 trailers for evacuation of city hall. Estimated completion time: less than 12 months. / 4	\$4,000	Currently Unfunded	EMPATF, HMGP; PDM Program
890	Belleair Beach / Public Works	City Hall Reconstruction	Replace city hall and public works operations building. Estimated completion time: more than 12 months. / 4	\$4,200,000	Under construction	EMPATF, HMGP; PDM Program
890	Madeira Beach	Critical Facilities Retrofit and Generators	Upgrade to secondary EOC. Estimated completion time: more than 12 months. / 4	\$15,000	Currently Unfunded	FMAP; HMGP; PDM Program
890	Madeira Beach	Critical Facilities Retrofit and Generators	Harden city hall with emergency storm shutters. Estimated completion time: more than 12 months. / 2	\$25,000	Currently Unfunded	EMPATF, HMGP; PDM Program
890	Madeira Beach	Stormwater Management	Install 20 flap valves to reduce tidal backup in storm drains. Estimated completion time: less than 12 months. / 1	\$150,000	Currently Unfunded	FMAP; HMGP; PDM Program
890	Madeira Beach	Flood and Wind Retrofit of City Hall/ Public Works	Flood-proof existing city hall complex and harden the building. Estimated completion time: more than 12 months. / 1	\$300,000	Currently Unfunded	EMPATF, HMGP; PDM Program

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890	Morton Plant Hospital / Clearwater	Hospital Retrofit	Replace the lower roof of Witt South building at Morton Plant Hospital. Estimated completion time: more than 12 months. / 2	\$400,000	Currently Unfunded	FMAP; HMGP; PDM Program
890	Morton Plant Hospital / Clearwater	Hospital Retrofit	Replace windows at Morton Plant Hospital's Adler/ Women's Center. Estimated completion time: more than 12 months. / 2	\$680,000	Currently Unfunded	EMPATF, HMGP; PDM Program
890	PC Community Development	Lealman Central Area Drainage Improvements (2027)	Preliminary engineering report for master Drainage Plan to include project prioritization. / 1	\$111,500	FY2012	CDBG
890	PC DEI	Cross Bay Watershed Plan (922271)	Development of a comprehensive watershed plan and computer model for drainage basin. / 1	\$514,600	FY 2012 - FY 2013	Penny for Pinellas
890	PC DEI - Environment	Starkey Basin Watershed Mgt. Plan (1233)	Develop a plan to identify problems and future improvements. Estimated completion time: more than 12 months. / 1	\$607,200	FY2012 - FY 2013	Penny for Pinellas; SWFMD; Gov't Reimbursement
890	Pinellas Park / Fire Dept.	Community Emergency Response Team (CERT).	Supply CERT Training to 60 trainees. Estimated completion time: less than 12 months. / 4	\$30,000	Currently Unfunded	EMPATF, HMGP; PDM Program, and local funds (i.e., Penny for Pinellas)
890	St. Petersburg / Water Resources Dept.	Retrofit of Cosme WTP	Provide shear resisting structural augmentation; replace roof; hurricane shutters. Estimated completion time: more than 12 months. / 2	\$89,500	Currently Unfunded	HMGP and Local
890	Treasure Island / Public Works	GPS Inventory of Street Signs	Inventory all street and identification signs using GPS technology to facilitate replacement following a storm event. Estimated completion time: more than 12 months. / 4	\$69,500	Currently Unfunded	CDBG; HMGP; Nonpoint Source Implementation Grants; HMGP Planning
900	Clearwater / Public Utilities	Purchase trailer mounted antenna	Purchase antenna for citywide telemetry system for monitoring lift stations, water and wastewater plants. Estimated completion time: less than 12 months. / 1	\$75,000	Currently unfunded	EMPATF, HMGP; PDM Program
900	Clearwater / Public Utilities	Northeast Water Pollution Control Plant generators	Procure seven backup generators to maintain the generator reliability. Estimated completion time: less than 12 months. / 4	\$950,000	Currently unfunded	EMPATF, HMGP; PDM Program
900	Largo	Public Works EOC Retrofit	Harden public works administration building. Estimated completion time: more than 12 months. / 2	\$89,151	In process of work to begin, bidding on the job has been completed.	EMPATF, HMGP; PDM Program

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900	Largo	Acquisition of Repetitive Loss Properties	Acquire repetitive loss properties along McKay and Allen's Creek. Estimated completion time: more than 12 months. / 1	\$300,000	Ongoing, the city currently has 7 repetitive loss properties left.	Capitalization Grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants
900	Largo	Critical Facilities Retrofit and Generators	Harden the Largo city hall, police, and EOC buildings. Estimated completion time: more than 12 months. / 2	\$321,285	Currently Unfunded	EMPATF, HMGP; PDM Program
900	North Redington Beach / Public Works	Mobile Generators for Lift Stations	Procure 2 portable generators for secondary lift stations. Estimated completion time: less than 12 months. / 4	\$15,000	Currently Unfunded	FMAP; HMGP; PDM Program
900	PC Real Estate Management	EMS Building HVAC Evaluation and Replacement (1496)	Replace HVAC system EMS/Sunstar communications center and radio room. Estimated completion time: more than 12 months. / 4	\$846,900	FY2012	Penny for Pinellas
905	Pinellas Park/ Public Works	Primary EOC and Storm Safe Parking Facility	Develop a storm safe multi-level parking garage with the City's Primary EOC atop of the structure. The EOC would be situated above both storm surge and 100 year floodplain hazards and be constructed to be wind resistant. The elevated status would provide for self sufficiency by utilizing solar and wind energy to supplement the local power company source when power failure occurs. Additionally the structure would be constructed to protect response vehicles of personnel that are housed at the City Shelter next door. The structure would also be able to serve as a support feature for downtown development and support a future rail or BRT stop since the proposed site is near Park Station. /4	\$4,500,000	Currently Unfunded	HMGP, EMPATF, and local funds (ie Penny for Pinellas)
910	Belleair Beach / Public Works	Stormwater Management	Stormwater repairs, improvements, and replacing curbswork. Estimated completion time: more than 12 months. / 1	\$950,000	Currently Unfunded	Capitalization Grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants

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910	Clearwater / Public Services	Hardened Public Works Crew Room	Provide shutters and door coverings; install generator for power backup. Estimated completion time: more than 12 months. / 2	\$80,000	Currently unfunded	EMPATF, HMGP; PDM Program
910	Clearwater / Stormwater	Channel C Conveyance Improvements	1 (Stormwater improvements)	\$25,000,000	Unfunded	SWFWMD Co-operative funding; City of Clearwater Stormwater Utility Fund
910	Kenneth City	Retrofit of Critical Facility	Install storm shutters on police department and city hall. Estimated completion time: more than 12 months. / 2	\$46,000	Currently Unfunded	EMPATF, HMGP; PDM Program
910	Kenneth City	Stormwater Management	Repair, rework, and replace components in the Kenneth City storm drain system. Estimated completion time: more than 12 months. / 1	\$300,000	Currently Unfunded	Capitalization Grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants
910	Kenneth City	Stormwater Management	Repair, rework, and replace components in the Kenneth City storm drain system. Estimated completion time: more than 12 months. / 1	\$500,000	Currently Unfunded	Capitalization Grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants
915	Indian Shores / Town Administrator	Seawall Erosion Control	Reconstruct seawall with tiebacks at Intra Coastal Waterway and Town Street. Estimated completion time: more than 12 months. / 3	\$160,000	Currently Unfunded	Capitalization Grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants
915	South Pasadena / Public Works	Bury Utilities	Bury utilities on all streets. Phase I - main roads \$1,500,000. Phase II - \$2,000,000. Estimated completion time: more than 12 months. / 2	\$3,500,000	Currently Unfunded	CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants; HMGP Planning
920	Dunedin / Public Works	Library Retrofit	Install hurricane shutters on Library Facility (223 Douglas). Estimated completion time: more than 12 months. / 2	\$95,000	Currently funded with HMGP	EMPATF, HMGP; PDM Program

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Total Score	Jurisdiction/ Organization	Project Name	Description/ Natural Hazard Addressed Key: 1=Flooding; 2=Storm Wind; 3=Erosion; 4=All Hazard	Est. Cost	Status	Possible Funding Sources see App 11 for key to acronyms.
920	PARC / St. Petersburg	Special Needs Shelter Retrofit	Harden PARC building to serve as a safe multi-hazard shelter including an emergency operation center. Estimated completion time: more than 12 months. / 2	\$4,000,000	Currently Unfunded	
920	PC DEI	ATMS/ITS Countywide System Program (1501)	Construct county advanced traffic management system/intelligent transportation system for traffic control. Estimated completion time: more than 12 months. / 4	\$5,082,000	FY2012 - FY2017	Penny for Pinellas/Local Option Gas Tax
920	PC Parks & Conservation Resources	Alligator Lake Habitat Restoration (845)	Comprehensive ecosystem restoration project for wetland and upland creation and enhancement and stormwater polishing. / 2	\$180,000	FY2012 - FY2017	Grant; Local funds; SWFWMD
920	Pinellas Park / Public Works	Hardening - Fire Station 35	Harden the station by stiffening the trusses and strapping them to the foundation, replacing garage doors, adding shutters, and replacing the roof. Estimated completion time: more than 12 months. / 2	\$800,000	Currently Unfunded	EMPATF, HMGP; PDM Program
925	Belleair Beach / Public Works	Purchase 4WD vehicle	Purchase 4-wheel drive off-road vehicle for preparation, response, and recovery during an emergency situation. Estimated completion time: less than 12 months. / 4	\$20,000	Currently Unfunded	EMPATF (Municipal)
925	Belleair Beach / Public Works	Traffic Light Mitigation	Replace traffic control light at the corner of Causeway Blvd and Gulf Blvd with a mast arm. Estimated completion time: less than 12 months. / 4	\$447,000	Currently Unfunded	EMPATF, HMGP; PDM Program
930	Clearwater / Stormwater	Alligator Creek Channel Improvements	1 (Stormwater improvements)	\$2,500,000	Unfunded	SWFWMD Co-operative funding; City of Clearwater Stormwater Utility Fund
930	Clearwater / Stormwater	Channel H Stabilization	1, 3	\$1,000,000	Unfunded	SWFWMD Co-operative funding; City of Clearwater Stormwater Utility Fund
930	PARC	Disabilities Registration	Provide computerized pre-registration for individuals with severe developmental disabilities. Estimated completion time: less than 12 months. / 4	\$25,000	Currently Unfunded	

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930	St. Petersburg / Stormwater, Pavements and Traffic Operations Dept	Backflow Prevention Stormwater Vaults	Project design, permitting and construction of flood protection vaults for City repetitive loss neighborhood. 47 vaults are planned for installation. / 1	\$2,855,000	Currently Unfunded	PDM Program
940	Clearwater / Stormwater	Channel C Treatment Pond Conversion (water quality)	1 (Stormwater improvements)	\$1,000,000	Unfunded	SWFWMD Co-operative funding; City of Clearwater Stormwater Utility Fund
940	Eckerd College / St. Petersburg	Building Flood/Wind Retrofit	Retrofit academic building to address vulnerabilities to high winds and/or flooding based on engineering evaluation. Estimated completion time: more than 12 months. / 1, 2	\$250,000	Currently Unfunded	EMPATF, HMGP; PDM Program
940	Indian Rocks Beach / Planning & Zoning Dept.	Beach Management Plan Implementation	Establish a dune and erosion control system using native vegetation. Estimated completion time: more than 12 months. / 3	\$150,000	Currently Unfunded	Capitalization Grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants; HMGP Planning
940	Oldsmar / Public Works; Engineering	Storm Water Management Plan	Prepare a citywide drainage plan to minimize flooding throughout the City. Estimated completion time: more than 12 months. / 1	\$100,000	Currently Unfunded	FMAP; HMGP; PDM Program
940	PC DEI	Bear Creek Channel Improvements, Ph. III (2297)	Dredging of outfall for Bear Creek. /1	\$740,000	FY2012	Penny for Pinellas
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 (ie Penny for Pinellas)

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940	Tampa Bay Regional Planning Council / Pinellas County	Post-Storm Evaluation of the Regional Evacuation Study	Evaluate the evacuation study to identify any discrepancies in the predicted and observed elements of the Regional Plan. Estimated completion time: less than 12 months. / 4	\$90,000	Currently Unfunded	EMPATF, HMGP; PDM Program
940	Tarpon Springs / Public Utilities	Water Testing Equipment	Purchase equipment to test and decontaminate water mains and water systems. Estimated completion time: less than 12 months. / 1	\$25,000	Currently Unfunded	EMPATF, HMGP; PDM Program
940	Tarpon Springs / PC DEI - Environmental	Tarpon Springs Shoreline Stabilization (1069)	Protect public roadways that serve as hurricane evacuation routes and preserve shoreline vegetation. Estimated completion time: more than 12 months. / 3	\$503,700	FY2012	Penny for Pinellas
940	Treasure Island / Public Works	City Hall Seawall Rehabilitation	Repair/replace seawall adjacent to critical facilities: Estimated completion time: more than 12 months. / 3	\$630,000	Partially Funded by City	Capitalization Grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants; HMGP Planning
940	Treasure Island / Public Works	Elevation of Control & Electrical Equipment	2 Lift Station Refurbishments	\$270,000	Partially Funded by City	Capitalization Grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants; HMGP Planning
945	Pinellas Park/ Public Works	Link 68th Street and Canal Street	Link 68th Street and Canal Street by installing a bridging system and connecting road approaches. This connection will afford secondary access and escape to two areas. The first being the western extension of 102nd Avenue which is the neighborhood of Cross Bayou Elementary School, Hospice of Pinellas Park, an ALF and a MHP. The other area is a industrial subdivision which is currently only accessible from Bryan Dairy Road. This connection will provide a secondary point for fire and emergency vehicle access. /4	\$750,000	Currently Unfunded	Funding for the current phase is from local coffers. Funding for implementation could include: Local Funds, SWFWMD Grant, EMPATF, HMGP; PDM Program

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945	St. Petersburg / Water Resources Dept	Retrofit of Northwest Water Reclamation Facility	Harden exterior walls; provide proper deck attachment and beam ties to foundation; hurricane shutters; new roofing; add pilasters to screen block at carport; additional wall reinforcement. Estimated completion time: more than 12 months. / 2	\$70,000	Currently Unfunded	HMGP and Local
950	Belleair Beach / Public Works	Purchase GIS/COOP Software	Purchase GIS related software and computer to assist in recovery and emergency management related planning. Estimated completion time: less than 12 months. / 4	\$5,000	Currently Unfunded	EMPATF (Municipal)
950	Clearwater / Stormwater	Channel G Flood Detention Area	1 (Stormwater improvements)	\$20,000,000	Unfunded	SWFWMD Co-operative funding; City of Clearwater Stormwater Utility Fund
950	Clearwater / Stormwater	Mango Avenue Stormwater Improvements (Bypass Culvert)	1. Upgrade the existing sub-standard system within a 24 acre suburban drainage basin.	\$2,000,000	Currently in design but construction is unfunded	CITY OF CLEARWATER CIP/ STORMWATER UTILITY FUND
950	Oldsmar / City Clerk; IT	COOP Document Imaging	Document management program utilizing scanning and digitization of vital records for off-site storage and retrieval. / 4	\$75,000	Currently Unfunded	EMPATF; HMGP; PDM Program
950	Oldsmar / Public Works; TECO	Bury Utilities Underground	Bury the overhead electric, telephone and cable TV utility lines in the Community Redevelopment District. Estimated completion time: more than 12 months. / 2	\$2,000,000	Currently Unfunded	
950	PC EMS/Fire Adm.	Hardening of Sunstar Communications Center	Harden north wall of communication center and enclose south alleyway. Estimated completion time: more than 12 months. / 2	\$310,000	Currently Unfunded	TBD
950	South Pasadena / Public Works	Generators	Install emergency generator at city hall. Estimated completion time: less than 12 months. / 4	\$60,000	Currently Unfunded	Residential Construction Mitigation Program; EMPATF, HMGP; PDM Program; Penny for Pinellas

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960	Clearwater / General Services	Install Communications at Fire Training 48	Install radio tower at the new fire training building, install wireless comms, install backup radio communications. Estimated completion time: more than 12 months. / 4	\$200,000	Currently unfunded	EMPATF, HMGP; PDM Program
960	Clearwater / Stormwater	Channel E/Forest Wood Estates Stormwater Improvements	1 (Stormwater improvements)	\$1,500,000	Unfunded	SWFWMD Co-operative funding; City of Clearwater Stormwater Utility Fund
960	Redington Shores / Sewer Department	Flood and wind retrofit of lift stations	Storm proof sanitary sewer lift stations (3). Estimated completion time: less than 12 months. / 1	\$550,000	Funding by SWFWMD Grant and Town C.I.P. 2008-2009.	Capitalization Grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants; HMGP Planning
960	St. Petersburg/ Public Works	MLK Street N. & Gateway Mall Stormwater Improvements	Project will construct large conveyance piping to reduce street and property flooding. /1	\$7,300,000	FY10 - FY16	Penney for Pinellas/Local
970	Belleair Beach / Public Works	Purchase HazMat Cabinets	Purchase cabinets (and other containment) to house and contain chemicals, oils, fuels, and batteries that that may spill or cause runoff during a hurricane. Estimated completion time: less than 12 months. / 4	\$3,500	Currently Unfunded	EMPATF, HMGP; PDM Program
970	Belleair Bluffs	City Hall Storm Shutters	Install commercial roll-down storm shutters to protect city hall and the fire department. Estimated completion time: more than 12 months. / 1	\$45,000	Currently Unfunded	EMPATF, HMGP; PDM Program
970	Clearwater / Stormwater	Elizabeth Pond Stormwater Improvements	1 (Stormwater improvements)	\$1,000,000	Unfunded	SWFWMD Co-operative funding; City of Clearwater Stormwater Utility Fund
970	Clearwater / Stormwater	Clearwater Beach Ponds Stormwater Improvements	1 (Stormwater improvements)	\$250,000	Unfunded	SWFWMD Co-operative funding; City of Clearwater Stormwater Utility Fund

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970	Dunedin / Public Works	City Hall Shutters	Install hurricane shutters on City Hall (542 Main Street). Estimated completion time: less than 12 months. / 2	\$7,000	Currently Unfunded	EMPATF, HMGP; PDM Program
970	Dunedin / Public Works	Lift Station Elevation & Retrofit	Harden & upgrade 12 lift stations for waste water. Estimated completion time: more than 12 months. / 1	\$300,000	Currently Unfunded	EMPATF, HMGP; PDM Program
970	Eckerd College / St. Petersburg	Building Flood/Wind Retrofit	Retrofit priority support building to address vulnerabilities to high winds and/or flooding based on engineering evaluation. Estimated completion time: more than 12 months. / 1, 2	\$50,000	Currently Unfunded	EMPATF, HMGP; PDM Program
970	Indian Rocks Beach / Public Services	Small Basin Reconstruction	Rebuild small basin area to provide proper drainage and improve pedestrian and transportation safety. Estimated completion time: less than 12 months. / 1	\$375,000	Currently Unfunded	Penny for Pinellas
970	Oldsmar / Public Works; Facilities	Critical Facility Generator Retrofit	Replace electrical generating equipment at Water Reclamation Facility. Estimated completion time: less than 12 months. / 4	\$1,200,000	Currently Unfunded	State Revolving Funds, CDBGs; FMAP; HMGP; HMGP Planning
970	PC Emergency Commun.	Public Safety Radio & Data System (722)	Upgrade and enhancement of radio system and facilities. Conversion to Smart Zone technology and complete performance capabilities specified by the Police Standards Council' Tech. Adv. Group. /4	\$17,500,000	FY2012 - FY2017	Pinellas for Pinellas; Moving Violation Fees
970	Pinellas Park / Public Works	Structure Hardening - Forbes Recreation Center	Harden the recreation center to be used for sheltering and operations during and after a storm event. Estimated completion time: more than 12 months. / 2	\$775,000	Currently Unfunded	EMPATF, HMGP; PDM Program; & local funds
970	Pinellas Park/ Police & Fire Administration	PD & FD Headquarters Consolidation	To develop at one location a facility to house the Police & fire Administrations as well as provide for a central first responders EOC that will also serve as the secondary EOC for the City. The structure will be built to withstand natural threats, allow for a centralized communication facility, and reduce the cost and increase the efficiency of coordination between these entities. Existing facilities exhibit varying degrees of vulnerability to hurricanes and storm surge. The proposed area in which this facility would be located is currently under served and holds great potential for a serious event. /4	\$12,580,000	Currently Unfunded	EMPATF, HMGP; PDM Program; & local funds

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970	Redington Beach / Public Works	Repair intracoastal causeway seawalls	Repair and maintenance of intracoastal sea walls. Estimated completion time: more than 24 months. / 3	\$175,000	Town Reserves	Town reserves
970	Treasure Island / Public Works	Wind Retrofit of critical facilities	Harden critical municipal facilities including: PWorks Admin, PWorks Garage. Estimated completion time: more than 12 months. / 2	\$100,000	Funded by City	EMPATF, HMGP; PDM Program
980	Bayfront Medical Center / St. Petersburg	Family Health Center Structural Hardening	Harden walls and roof to mitigate high wind velocity. Estimated time of completion: 12 months. / 2	\$1,000,000	Currently Unfunded	Emergency Management, Preparedness and Assistance Trust Fund, HMGP; PDM Program
980	Bayfront Medical Center / St. Petersburg	Haden Exterior - Building C East - Area 4	Harden the exterior of Building C East - including hurricane-rated windows, walls, doors and roofing system to protect against high wind velocity events. / 2	\$3,070,827	Currently Unfunded	Emergency Management, Preparedness and Assistance Trust Fund, HMGP; PDM Program
980	Belleair / Support Services	Town Hall Storm Mitigation	Mitigate town hall (901 Ponce de Leon Blvd.). Estimated completion time: more than 12 months. / 2	\$40,000	Currently Unfunded	EMPATF, HMGP; PDM Program
980	Clearwater / Engineering	Municipal EOC	Construct an emergency operations center at 1700 N. Belcher Rd. Estimated completion time: more than 12 months. / 4	\$1,000,000	Currently Unfunded	EMPATF, HMGP; PDM Program
980	Clearwater / General Services	Purchase 2000Kw mobile generator	Purchase 2000Kw trailer mounted backup generator for the East WPC plant. Estimated completion time: less than 12 months. / 4	\$375,000	Currently unfunded	EMPATF, HMGP; PDM Program
980	Lealman SFCD / Emergency Management	Fire Station #19 Secondary EOC Hardening	Harden by adding rolldown shutters, 4 single doors and 5 windows. Estimated completion time: more than 12 months. / 2	\$12,700	Currently Unfunded	
980	Pinellas Park/ Public Works	Relocation or Construction of FS 34	Fire Station #34 at it's present location can not effectively service the geographic area which it originally serviced due to unanticipated growth and expansion. It is necessary to either relocate FS 34 or construct another station to serve the western third of the community. / 4	\$7,000,000	Currently Unfunded	EMPATF, HMGP; PDM Program; & local funds

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990	Bayfront Medical Center / St. Petersburg	Child Development Center Wind, Door & Roof Hardening	Harden windows, doors and roof for hurricane and severe weather mitigation. Estimated completion time: more than 12 months. / 2	\$1,000,000	Currently Unfunded	Emergency Management, Preparedness and Assistance Trust Fund, HMGP; PDM Program
990	Indian Rocks Beach / Public Services	Small Generators	Purchase of 3 generators for emergency power. Estimated completion time: less than 12 months. / 4	\$87,000	Currently Unfunded	
995	Bayfront Medical Center / St. Petersburg	Building C Boiler / Chiller Plant Hardening & Rooftop Equipment Mitigation	The hospital's boiler & chiller plant needs hardening for severe weather mitigation. Estimated completion time; More than 12 months. / 2	\$1,000,000	Currently Unfunded	Emergency Management, Preparedness and Assistance Trust Fund, HMGP; PDM Program
995	Bayfront Medical Center / St. Petersburg	Tank Farm Enclosure	On the South side of Building C, the Oxygen Tank Farm will be hardened. Estimated completion time; more than 12 months. / 2	\$1,000,000	Currently Unfunded	Emergency Management, Preparedness and Assistance Trust Fund, HMGP; PDM Program
995	Bayfront Medical Center / St. Petersburg	Life Services Building Window, Door & Wall Hardening	The Life Services Building needs windows, doors and walls hardened for protection against high wind velocity and severe weather events. Estimated completion time; more than 12 months. / 2	\$1,000,000	Currently Unfunded	Emergency Management, Preparedness and Assistance Trust Fund, HMGP; PDM Program
995	Gulfport	Thermal Imaging Camera	Purchase thermal imaging camera for post-storm search and rescue and hazard abatement. Estimated completion time: less than 12 months. / 4	\$20,000	Currently Unfunded	EMPATF
995	Oldsmar / Public Works; Facilities	Harden/Retrofit City Hall	Replace windows at city hall. Estimated completion time: less than 12 months. / 2	\$150,000	Currently Unfunded	FMAP; HMGP; PDMP
995	Oldsmar / Public Works; Storm Water	Mitigation/ Response/ Recovery Equipment	Purchase vacuum excavation system for the maintenance and recovery of all storm water inlets and structures. Estimated completion time: less than 12 months. / 1	\$50,000	Currently Unfunded	EMPATF; HMGP; PDM Program
1000	Bayfront Medical Center / St. Petersburg	Harden Mechanical Room & Medical Gas Enclosure - Building B/C	The Mechanical Room and a fenced lean to will be hardened. Estimated completion time: more than 12 months. / 2	\$1,000,000	Currently Unfunded	Emergency Management, Preparedness and Assistance Trust Fund, HMGP; PDM Program

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1000	Safety Harbor	South Bayshore Drainage/Water Quality Improvements	Design to relieve local flooding and use baffle boxes to pre-treat the stormwater before discharging into Old Tampa Bay. /1	\$2,289,313	In Progress	Federal, State, Local
1000	St. Petersburg/ Public Works	8th Ave. S. & 44th St. S. Storm Drainage Improvements	Project will construct large conveyance piping to reduce street and property flooding. /1	\$4,500,000	FY10 - FY16	Penney for Pinellas/Local
1000	Tarpon Springs / Waste Water Treatment	Pump for Lift stations	Purchase portable diesel pump (12 inches) to be used to bypass damaged lift stations. Estimated completion time: less than 12 months. / 1	\$35,000	Currently Unfunded	EMPATF, HMGP; PDM Program
1010	Clearwater / Stormwater	Druid Road Stormwater Improvements	1. Upgrade the existing sub-standard system within a 100 acre urban drainage basin.	\$4,000,000	Currently in design but construction is unfunded	CITY OF CLEARWATER CIP/ STORMWATER UTILITY FUND
1010	Maderia Beach	850 Bay Point Dr	Mitigation of SRL Property 850 Bay Point Drive	\$200,000	Unfunded	HMGP & Private
1010	Maderia Beach	822 Bay Point Dr	Mitigation of SRL Property 822 Bay Point Drive	\$200,000	Unfunded	HMGP & Private
1010	South Pasadena / Public Works	Finish Mast Arms on Evac Route	Install mast arms at 3 remaining locations on Pasadena Avenue. Estimated completion time: less than 12 months. / 2	\$1,500,000	Currently Unfunded	FDOT; EMPATF, Hazard Mitigation Grant Program; PDM Program.
1015	Gulfport	Municipal EOC	Build a new City EOC, 1617 - 49th Street South. Estimated completion time: more than 12 months. / 4	\$3,500,000	Currently Unfunded	HMGP; PDM Program
1020	Clearwater / Stormwater	Virginia Groves/Moccasin Lake Stormwater Improvements	1 (Stormwater improvements)	\$1,000,000	Unfunded	SWFWMD Co-operative funding; City of Clearwater Stormwater Utility Fund
1020	Pinellas Park/ Public Works	Fairlawn Subdivision Drainage	Install a stormwater collection and conveyance system in a subdivision originally developed in the County in the 1960s and 70s. This would eliminate issues of localized flooding and dangerous stormwater inlets. /1	\$1,500,000	Currently Unfunded	Funding for the current phase is from local coffers. Funding for implementation could include: Local Funds, SWFWMD Grant, EMPATF, HMGP; PDM Program

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1025	Baycare, Inc. / St. Petersburg	Hospital EOC	Construct new EOC. Estimated completion time: more than 12 months. / 4	\$1,100,000	Currently Unfunded	EMPATF, HMGP; PDM Program
1025	Clearwater / Stormwater	Byram Ditch Bank Stabilization	3. Stabilization of approximately 1500LF of creek bank to protect against erosion.	\$300,000	Currently in design but construction is unfunded	CITY OF CLEARWATER CIP/ STORMWATER UTILITY FUND
1030	Gulfport	Land Acquisition	Public purchase of properties that are floodprone 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
1030	Indian Rocks Beach / Public Services	Liftstation Rehabilitation	The City Indian Rocks Beach rehabilitates critical facility Lift Stations on a 10 year cycle for increased resiliency against flood waters and wind. All pumps, stands, discharge risers, valves, and slide rails are replaced /1	\$179,000	Currently Unfunded	Local, SWFWMD Grant, EMPATF, HMGP, PDM Program, Capitalization Grants for Clean Water State Revolving Funds, CDBG, Non Point Source Implementation funds
1030	Indian Shores / Town Administrator	Critical Facility Rebuild	Build new town hall, police department and annex buildings. Estimated completion time: more than 12 months. / 2	\$3,500,000	Currently Unfunded	FMAP; HMGP; PDM Program
1030	PC Real Estate Management	Government Facilities Remodel & Renovation (1633)	Renovate and remodel various facilities countywide to update to code, provide additional storm resistance, etc. Estimated completion time: more than 12 months. / 2	\$12,275,500	FY2012 - FY2017	Penny for Pinellas
1030	South Pasadena / Public Works	City Hall Window Protection	Install protective window film on all windows in City Hall. Estimated completion time: less than 12 months. / 2	\$50,000	Currently Unfunded	Residential Construction Mitigation Program; EMPATF, HMGP; PDM Program
1035	Gulfport	Flood Mitigation in Waterfront Redevelopment District	Construct storm doors for commercial businesses within the 100-year floodplain of the Waterfront Redevelopment District. Estimated completion time: more than 12 months. / 1	\$60,000	Currently Unfunded	EMPATF, HMGP; PDM Program

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1035	PC Emergency Management	Community Buildings Emergency Shelter Project (1843)	Increase emergency shelter capacity by retrofitting, hardening, or replacing facilities designated as emergency shelters. Estimated completion time: more than 12 months. / 2	\$6,950,000	FY2012 - FY2017	Penny for Pinellas
1040	Clearwater / Engineering	Fire Station Retrofit	Harden mainland fire stations. Estimated completion time: more than 12 months. / 2	\$200,000	Currently Unfunded	EMPATF, HMGP; PDM Program
1045	Clearwater / Stormwater	East Gateway Stormwater Improvements	1 (Stormwater improvements)	\$2M	Unfunded	SWFWMD Co-operative funding; City of Clearwater Stormwater Utility Fund
1050	Clearwater / Stormwater	Salls Lake Park Stormwater Improvements	1 (Stormwater improvements)	\$300,000	Unfunded	SWFWMD Co-operative funding; City of Clearwater Stormwater Utility Fund
1050	Indian Rocks Beach / Building Dept.	Flood Mitigation Buyout	Provide a grant of up to \$15,000 per structure for the removal of noncompliant pre-FIRM structures. / 1	\$150,000	Currently Unfunded	FMAP; HMGP; PDM Program
1050	Pinellas Park/ Public Works	Jan Cory Subdivision Drainage	Install a stormwater collection and conveyance system in a subdivision originally developed in the County In the 1960's and 70's. This would eliminate issues of localized flooding and dangerous stormwater inlets. / 1	\$3,365,000	Currently Unfunded	Funding for the current phase is from local coffers. Funding for implementation could include: Local Funds, SWFWMD Grant, EMPATF, HMGP; PDM Program
1060	Lealman SFCD / Emergency Management	Fire Station #18 EOC Hardening	Harden by installing rolldown shutters, 5 double doors, 3 single doors and 16 windows. Estimated completion time: more than 12 months. / 2	\$36,500	Currently Unfunded	
1060	PC Real Estate Management	Public Safety Facilities & Centralized Communications Center (1635)	Design and build a hardened, secure Public Safety Campus that will include centralizing of EOC, 911 Communications and other like departments. Estimated completion time: more than 12 months. / 2	\$72,981,800	FY2012 - FY2014	Penny for Pinellas

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1060	Pinellas Park/ Public Works	72nd Ave. Channel Culverting	Install a stormwater culvert at the headwaters of Pinellas Park Water Mgt. District Channel 3A to eliminate localized flooding. Additionally, this improvement would remove a hazard which when over t's banks can totally submerge a car and eliminate the opportunity for people and children to be caught up in moving waters. / 1	\$5,500,000	Currently Unfunded	Funding for the current phase is from local coffers. Funding for implementation could include: Local Funds, SWFWMD Grant, EMPATF, HMGP; PDM Program
1070	Bayfront Medical Center / St. Petersburg	Harden West Lobby	Harden the roof and curtainwall window assembly to protect against high wind velocity events. Estimated completion time: more than 12 months. / 2	\$1,250,200	Currently Unfunded	EMPATF, HMGP; PDM Program
1080	Safety Harbor	Document Safe Room	Construct safe room at FS #53 for historical, archived city documents.	\$195,000		Federal, State, Local
1090	Bayfront Medical Center / St. Petersburg	Harden Cancer Care Center	Harden the exterior including the roof, windows and walls to ensure continuity of operations. Estimated completion time: more than 12 months. / 2	\$430,003	Currently Unfunded	EMPATF, HMGP; PDM Program
1090	Gulfport	Stormwater Project	Enlarge drainage pipes and construct retention ponds citywide to reduce street and yard flooding to improve drainage in low lying areas of the City. Estimated completion time: more than 12 months. / 1	\$500,000	Currently Unfunded	Capitalization Grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants
1090	PC DEI	118th Avenue Expressway (1618)	Build east-west evacuation route parallel to Ulmerton Rd. Estimated completion time: more than 12 months. / 4	\$37,926,500	FY2012 - FY2017	Penny for Pinellas
1130	Gulfport	Fire Station/ EOC Generator	Replace aging generator for the Fire Station/EOC. Estimated completion time: less than 12 months. / 4	\$50,000	Currently Unfunded	EMPATF
1130	PC DEI	Stormwater Conveyance System Improvement Program (921321)	Replace/reline inadequate or deteriorating stormwater conveyance systems county wide. Estimated completion time: more than 12 months. / 1	\$24,234,200	FY2011 - FY2017	Penny for Pinellas
1130	Tampa Bay Regional Planning Council / Pinellas County	Regional Public Education Initiative	With Pinellas County Emergency Management develop a county-wide public education program to address preparation and mitigation actions for all hazards related to hurricanes. All jurisdictions will benefit from this effort. Estimated completion time: less than 12 months. / 4	\$75,000	Currently Unfunded	EMPATF, HMGP, PDM Program

Appendix 9 Mitigation Initiatives

Total Score	Jurisdiction/ Organization	Project Name	Description/ Natural Hazard Addressed Key: 1=Flooding; 2=Storm Wind; 3=Erosion; 4=All Hazard	Est. Cost	Status	Possible Funding Sources see App 11 for key to acronyms.
1150	Bayfront Medical Center / St. Petersburg	Harden Window Openings - Building A	Harden the exterior of Building A and install new hurricane-rated windows. Estimated completion time: more than 12 months. / 2	\$1,217,370	Currently Unfunded	EMPATF, HMGP; PDM Program
1150	Bayfront Medical Center / St. Petersburg	Harden Window and Roof - Building C Center	Harden the exterior including hurricane-rated windows and roofing system to protect against high wind velocity events. Estimated completion time: more than 12 months. / 2	\$2,789,889	Currently Unfunded	EMPATF, HMGP; PDM Program
1150	Bayfront Medical Center / St. Petersburg	Harden Window and Roof - Building C South	Harden the exterior including hurricane-rated windows and roofing system to protect against high wind velocity events. Estimated completion time: more than 12 months. / 2	\$4,575,295	Currently Unfunded	EMPATF, HMGP; PDM Program
1150	Bayfront Medical Center / St. Petersburg	Harden Window and Roof - Building C North	Harden the exterior including hurricane-rated windows and roofing system to protect against high wind velocity events. Estimated completion time: more than 12 months. / 2	\$4,646,281	Currently Unfunded	EMPATF, HMGP; PDM Program
1150	PC Dept. of Environment & Infrastructure (DEI)	Span Wire Intersection Replacement Program	Replacement of 24 existing span wire intersections with mast arms. Intersections are along major evacuation routes throughout PC. Approx \$240k per intersection. / 4	\$5.8 million	Unfunded	Seeking Pre-Disaster Mitigation Program grant funds
1155	Gulfport	Hardening of Critical Facilities	Install window protection devices and storm-resistant exterior doors in the City's lift stations. Estimated completion time: less than 12 months. / 2	\$7,000	Currently Unfunded	EMPATF, HMGP; PDM Program; Municipal Funding
1155	PC EMS/Fire Adm.	A/C Radio Room	Replace A/C for radio & server rooms. Estimated completion time: more than 12 months. / 4	\$300,000	Currently unfunded	
1160	Clearwater / Stormwater	Hillcrest Avenue Bypass Culvert	1. Installation of 2000 LF of 6.5' X 11' box culvert. Model results provide flood relief for 47 homes adjacent to creek.	\$4,000,000	Currently in design but construction is unfunded	CITY OF CLEARWATER CIP/ STORMWATER UTILITY FUND
1160	Largo/Public Works - Streets & Drainage	Road Clearing Equipment	In the event of a hurricane or other disaster where the city is required to clear major streets, the city's current equipment is insufficient. The City of Largo is requesting multiple plow attachments that can be deployed in the event of a disaster. This project is part of the approved CIP. / 4	\$80,000	FY13	General Fund (Local

Appendix 9 Mitigation Initiatives

Total Score	Jurisdiction/ Organization	Project Name	Description/ Natural Hazard Addressed Key: 1=Flooding; 2=Storm Wind; 3=Erosion; 4=All Hazard	Est. Cost	Status	Possible Funding Sources see App 11 for key to acronyms.
1160	Oldsmar / Public Works; Water Reclamation	Flood Proofing and Hardening of Sanitary Sewer Lift Stations	Storm proof and retrofit eight existing sanitary sewer lift stations within the flood plain. Estimated completion time: more than 12 months. / 1, 2	\$400,000	Currently Unfunded	EMPATF; HMGP; PDM Program
1160	PC EMS/Fire Adm.	Roofing ComCen and Radio Room	Replace roof on comms center and adjoining radio room. Estimated completion time: more than 12 months. / 4	\$150,000	Currently Unfunded	TBD
1170	Indian Rocks Beach / Public Services	Stormwater Reconstruction	Implementation of Best management Practices in the 6th Ave Drainage Basin. /4	\$160,000	Currently Unfunded	Local Option Sales Tax Fund Capital Project; Capitalization grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants
1170	Largo	LMC Roof Replacement and Hardening	In response to a facility study, the City of Largo needs to replace its existing roof systems on both the city hall and police station as well as provide structural hardening of both facilities for hurricane-survivability. This project is part of the approved CIP. /4	\$5,700,000	FY12/13	General (Local) fund and LOST
1190	Indian Rocks Beach	Dune Walkovers	Existing /old walkovers hinder growth of vegetation and hinder proper dune protection. Project will transition from step to low profile walkovers to elevated walkovers that will promote growth of vegetation into mature dunes. The locations are the 6th Ave., 17th Ave., and 22nd Ave Dune Walkover Projects. 3	\$114,000	Currently Unfunded	FDEP; Pinellas County Coastal Management; Penny for Pinellas
1190	St. Petersburg/ Public Works	Snell Isle & Raphael Blvd NE Drainage Improvements	Project will construct large conveyance piping to reduce street and property flooding. /1	\$3,400,000	FY10 - FY16	Penney for Pinellas/Local
1190	St. Petersburg/ Public Works	94th Ave. at Tinney Creek Storm Drainage Improvements	Project will construct large conveyance piping to reduce street and property flooding. /1	\$1,500,000	FY10 - FY16	Penney for Pinellas/Local

Appendix 9 Mitigation Initiatives

Total Score	Jurisdiction/ Organization	Project Name	Description/ Natural Hazard Addressed Key: 1=Flooding; 2=Storm Wind; 3=Erosion; 4=All Hazard	Est. Cost	Status	Possible Funding Sources see App 11 for key to acronyms.
1250	Indian Rocks Beach / Public Services	Stormwater Drainage	Reconstruction of small basin stormwater collection and discharge facilities as required by NPDES. All city facilities should be updated by 2017, the end of a 15 year effort and thereby in compliance with NPDES regulations. /4	\$210,000	Currently Unfunded	City of Indian Rocks Beach Capital Improvement Plan; Capitalization Grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants; Penny for Pinellas; SWFWMD
1250	Largo/Police Dept.	Dispatch Center Upgrades	The project will upgrade the Largo Police Department's communication system to the national interoperability standard and will enable outside agencies to access the city's system in the event of an emergency. This communication's center is utilized during a man-made and/or natural disaster. This project is part of the approved CIP. /4	\$239,000	FY12-FY16	General Fund (Local
1250	Safety Harbor	Hardening FS#52	Install impact-resistant windows, door, and garage doors at FS#52. /2	\$110,000		Federal, State, Local
1250	Safety Harbor	Hardening Safety Harbor EOC	Install impact-resistant windows, and door at FS#53 EOC. /2	\$15,000		Federal, State, Local
1280	Treasure Island Public Works	Drainage	Watershed Phase III /1	\$255,315	Funded	Local & SWFWMD Cooperative Funding
1290	Largo/Fire Rescue	Fire Station 42 Replacement Program	Within the next five years, station 42 will need to be rebuilt as it is approaching the end of its useful life. In addition, the building does not meet current NFPA life safety standards or the latest hurricane design features. This station is part of the fire department automatic aid program within the county. This project is part of the approved CIP, however, the time frame has been updated. /4	\$5,000,000	<FY16 (Unfunded)	Local Option Sales Tax (LOST)
1290	Largo/Fire Rescue	Fire Station 38 Replacement Program	Within the next fifteen years, station 38 will need to be rebuilt as it is approaching the end of its useful life. In addition, the building does not meet current NFPA life safety standards or the latest hurricane design features. This station is part of the fire department automatic aid program within the county. This project is part of the approved CIP. /4	\$5,000,000	>FY16 (Unfunded)	LOST

Appendix 9 Mitigation Initiatives

Total Score	Jurisdiction/ Organization	Project Name	Description/ Natural Hazard Addressed Key: 1=Flooding; 2=Storm Wind; 3=Erosion; 4=All Hazard	Est. Cost	Status	Possible Funding Sources see App 11 for key to acronyms.
1290	Treasure Island Public Works	Drainage	Sunset Beach (various basins) & Lagoon Lane /1	\$4,200,000	Currently Unfunded	Capitalization Grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP; SWFWMD Cooperative Funding, Nonpoint Source Implementation Grants
1300	Safety Harbor	Public Works Generator	Replace portable Generator #630. /4	\$65,000	FY 2015/16	Local
1300	Safety Harbor	Public Works Generator	Replace portable Generator #640. /4	\$40,000	FY 2014/15	Local
1320	Safety Harbor	Cypress Trace Lift Station	New Generator and pumps for Sanitary Sewer Liftstation. /1, 2	\$60,000	FY2012/13	Local
1320	Safety Harbor	Amber Glades Lift Station Repair	New Generator and pumps for Sanitary Sewer Liftstation. /1, 2	\$60,000	FY 2014/15	Local

Appendix 10

Accomplishments

Pinellas County Local Mitigation Strategy
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Project	Cost	Status	Funding
Belleair Beach			
Purchase cabinets (and other containment) to house and contain chemicals, oils, fuels, and batteries that may spill or cause runoff during a hurricane	\$3,500	City has purchased one such cabinet during FY 2006-2007 and will likely purchase another during FY 2007 - 2008	Local
12th Street Stormwater Improvements. Added 2 storm drains, additional stormwater piep, and and a continuous deflective separation unit (CDS). Project has increase drainage capacity and reduces pollutants discharging into the intercoastal waterway.	\$202,00	Complete	Local and SWFWMD Cooperative Funding Program
Demolish current City Hall and Public Works Operations Building and replace with new buildings meeting current hurricane standards. The purpose of this program is to provide the municipal government with a location to provide government services and recovery operations	\$3,600,000	The City is currently working with design professionals to create the drawings necessary to move forward on this project. This project is underway and scheduled to be completed by September 2009	Local
Clearwater			
Purchase Friendly Vilage of Kapok Mobile Home Park ato eliminate repetitive flood losses. A nature park will be creaaated on the site along with storm water development for the area to prevent flooding.	\$17,000,000	<u>Complete</u>	Local and State
<u>Replace seawalls throughout Clearwater Beach. Estimated completion time: more than 12 months.</u>	<u>\$5,000,000</u>	<u>Funded and Underway</u>	<u>EMPATF, HMGP, PDM Program</u>
Develop a CERT that is trained on How to Educate Homeowners on Mitigation Techniques.	\$37,000	Complete	Local and State
Dunedin			
Lake Earl to Skyeloch Piping.	\$35,000	Complete	State
Lake Sperry pipe lining.	\$150,000	Complete	State
Elevated five (5) repetitive loss structures	\$307,268	Complete	State
Retrofit 2 structures to reduce flood damage potential	\$174,872	Underway	State

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Project	Cost	Status	Funding	
Rebuild 1 Structure	\$119,746	Complete	State	
Storm Shutters for Municipal Services Building, 750 Milwaukee Ave.; City Hall, 542 Main St., and the Sheriff's North County Sub-station, 737 Loudon Ave.	\$25,000	Municipal Services Building and Sheriff's North County Sub-station Projects completed with HMGP funds in 2007. City Hall Project found to be infeasible and was deleted.	HMGP and Local	
Eckerd College				
Project: Construction of a new Center for Molecular and Life Sciences	\$25,000,000	Completed 2013	Local	
Project: Hardening envelope (roof, windows) Sheen Science Center (3 buildings)	\$7,500,000	2013/14	Local	
Gulfport				
Retrofit City Hall: Harden skylights in City Hall to withstand hurricane force winds; and install window protection devices (shutters) at City Hall and Fire Station (2401 - 53rd Street South and 5314 - 23rd Avenue South)	\$25,000	Complete	HMGP and Local	
Fire Station Wind Retrofit: Harden Fire Station 17 overhead apparatus bay doors, and exterior doors of Fire Administration Building to withstand 125 mph + winds.	\$100,000	Complete	Local	
Indian Shores				
Storm water management in redevelopment area to control and mitigate flooding. FY97/98	\$60,000	Complete	Local and State	
FMAP elevation of existing repetitive loss structure. FY97/98	\$22,500	Complete	Private and State	
FMAP acquisition and demolition of repetitive loss structure. FY97/98	\$26,797	Complete	Local and State	
Installed new seawall to mitigate flooding. FY97/98	\$16,770	Complete	Local and State	
Installed new seawall and replaced seawall cap. FY97/98	\$5,080	Complete	Local	
Storm water management at 19305 Gulf Blvd. (Town Hall complex) FY97/98	\$80,000	Complete	Local and State	
FMAP elevation of repetitive loss existing structure. FY00/01	\$41,683	Complete	Local and State	
Development of Town master drainage plan. FY01/02	\$80,000	Complete	Local and State	

Pinellas County Local Mitigation Strategy 1-28-14 Appendix 10 Mitigation Accomplishments

Project	Cost	Status	Funding
Purchase property in redevelopment area for potential site of future retention pond. FY01/02	\$40,000	Complete	Local
Implement Town-wide storm water master plan. FY02/03	\$300,000	Underway	Local and State
Purchase and installation of an auxiliary generator for the Critical Facility, Town Hall, 19305 Gulf Blvd.	\$33,455	Complete	HMGP and Local
Indian Rocks Beach			
Demolished ten (10) pre-FIRM non-conforming structures and replaced them with conforming structures	\$2,432,000	Complete	Private
27th Ave. and 1st St. drainage project to mitigate local flooding and provide treatment of local storm water runoff.	\$260,000	Complete	Local and State
Design 11th Ave. through 13th Ave. drainage project to mitigate local flooding.	\$290,000	Complete	Local
Reclamation of 1.2 acres of wetlands to act as a flood buffer.	\$100,000	Complete	Local
Largo			
Initiative: Hardening the new Public Works administration building by adding storm shutters and installing emergency generators. This facility contains the Public Works Emergency Operations Center. Benefit: Averting wind damage would minimize or eliminate post-disaster disruption of municipal services. The Public Works administration structure is valued at \$1.1 million.	\$89,151	Completed	
Initiative: Hardening the new Environmental Services (sewer) administration building by adding storm shutters and installing emergency generators. This facility contains the Environmental Services Emergency Operations Center. Benefit: Averting wind damage would minimize or eliminate post-disaster disruption of municipal services. The Environmental Services administration structure is valued at \$1.8 million.	\$89,151	Completed	

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Project	Cost	Status	Funding
Initiative: Installing an emergency generator at the new administration building for the Wastewater Treatment Plant. The generator will insure the Plant's ability to provide continuous service during power failures. Benefit: Keeping the WWTP fully operational would help avoid sanitary sewer conveyance system backup that could cause significant damage to private properties in the event of a power failure caused by a natural or man-made disaster event.	\$859,072	Completed	Local
Initiative: Hardening the Largo city Hall, Police, and Emergency Operations Center buildings by adding storm shutters, removing abandoned air conditioning equipment from the roof, and installing emergency generators. In addition to housing the administrations of more than half of the City's departments, this facility contains the City's centralized telephone, computer, and broadcasting systems. Benefit: Averting wind damage would minimize or eliminate post-disaster disruption of municipal services, including the EOC, police, fire, permitting, and planning operations. The Largo Municipal Complex structures are valued at \$10.9 million.	\$321,285	Completed	
Hardening the new Environmental services (sewer) administration building by adding storm shutters and installing emergency generators. This facility contains the Environmental Services EOC	\$89,151	Project Completed.	HMGP/Local
Channel 1 Drainage/Infrastructure Plan	\$1,919,213	Completed 2007	Local
Suncoast Manor Drainage//Old Valencia Blvd. Plan	\$274,132	Completed 2007	Local
McKay Creek Drainage Improvement Plan	\$1,549,460	Completed 2006	Local
Purchasing and Demolition of Repetitive Loss Properties (4)			
132 Gatewood Drive	\$149,000	Completed 2003	Local
198 Gatewood Drive	\$190,000	Completed 2003	Local
71 East Overbrook Drive	\$177,000	Completed 2005	Local
2463 19th Place SW	\$127,500	Completed 2005	Local

Pinellas County Local Mitigation Strategy **1-28-14** **Appendix 10 Mitigation Accomplishments**

Project	Cost	Status	Funding
Rain Gauge Monitoring System Base Unit (32 units at \$1800 per unit)	\$57,600	Completed 1995-2007 (more added as budget permits)	Local
Base Level Monitoring System for Rain Gauge System, 24 hours a day service (2 units), \$6,000 per unit	\$12,000	Completed 1995-2007 (more added as budget permits)	Local
SCADA System for remote monitoring	\$1,350,000	Completed 2004	Local
Total Expenditures by the City of Largo since 2004	\$5,793,905		
Madeira Beach			
<u>Stormwater Master Plan Improvements</u>	<u>\$218,429</u>	<u>Underway</u>	<u>Local</u>
<u>Beach Groin Rehabilitation Project – Repair and maintain the City’s existing beach groin system. (This system was installed in the 1950’s. Because of the effectiveness of this system, Madeira Beach has not required other beach renourishment efforts.)</u>	<u>\$275,000</u>		<u>Local</u>
<u>Municipal Seawall Replacement</u>	<u>\$204,693</u>	<u>Complete</u>	
<u>Storm Drainage and Roadway Improvements Relating to Drainage – Normandy Road</u>	<u>\$1,180,000</u>	<u>Underway</u>	<u>Local /Applied for Matching SWFWMD Cooperative Funding</u>
<u>Storm Drainage and Roadway Improvements Relating to Drainage – Engineering Study – Boca Ciega Drive</u>	<u>\$80,000</u>	<u>Study underway</u>	<u>Local (including a portion by Local Option Sales Tax)</u>
<u>Municipal Complex Reconstruction (City Hall, Fire Station, Recreation Center and related outside activity areas)</u>	<u>\$8,630,000</u>	<u>This project has been approved and funded through municipal funding and bond issue. Project currently in permitting process. Construction to begin early 2014.</u>	<u>Local</u>
<u>Stormwater Outfall Cleaning</u>	<u>\$180,000</u>	<u>On-going</u>	<u>Local</u>
North Redington Beach			

Pinellas County Local Mitigation Strategy 1-28-14 Appendix 10 Mitigation Accomplishments			
Project	Cost	Status	Funding
SEWER - North Redington Beach provides sewer service for Redington Shores and NRB. Raise main lift station electrical and controls above flood plain (\$75,000). Raise emergency generator and fuel tank above flood plain (\$50,000).	Unknown	Completed, November 2008	Local/County
Underground utilities throughout the side streets of NRB. This includes all streets except Gulf Boulevard.	\$2,000,000	Completed	Local
Oldsmar			
Hurricane Wind Hardening Retrofit of Municipal Services Facility.	\$103,723	Complete	HMGP/Local
PARC/St. Petersburg			
Harden the PARC Center Apartments (Intermediate Care Facility).	\$1,000,000	Complete	
Pinellas County			
Sediment/erosion control, sediment removal, and/or stream bank/ channel stabilization for flood control purposes		Ongoing and completed	State and Local
1) Bee Branch		Project to bid	
2) Curlew Creek		Channel A - bid summer of 2009; Channel M and bypass pond - to bid	
3) Allen's Creek		Construction to commence within 3 months	
Animal Services Building Storm Hardening	\$88,641	Project in progress	HM Allocation/Local
Belleair Elementary School Storm Retrofit; new classroom will gain 783 shelter spaces	\$44,100	100 % Construction Documents received. Next step: Permitting	Local
EMS Building Storm Hardening	\$99,793	Project in progress	HM Allocation/Local
High Point Elementary School Retrofit	\$6,002	Project Completed	Local
Medical Examiner/Forensics Building Storm Hardening	\$93,313	Project in progress	HM Allocation/Local
New Heights Elementary School Door Replacements in Building 2	\$33,927	Project Completed	Local
Public Works Storm Hardening - Generator Bldg., Traffic Bldg, Survey Bldg.	\$6,462	Project in progress	HM Allocation/Local

Pinellas County Local Mitigation Strategy 1-28-14 Appendix 10 Mitigation Accomplishments			
Project	Cost	Status	Funding
Ross Norton Community Center - Generator	\$70,322	Project Completed	Local
Skycrest Elementary School Storm Retrofit; new classroom will gain 783 shelter spaces	\$44,100	100 % Construction Documents received. Next step: Permitting	Local
Supervisor of Elections Building Storm Hardening (Starkey Rd)	\$36,306	Project in progress	HM Allocation/Local
Post-Disaster Redevelopment Plan, including Health/Human Services Component	\$120,000	Project completed; to be reviewed by BCC	CPI/Local
Post-Disaster Redevelopment Plan - Health/Human Services Component	\$40,000	Project completed; to be reviewed by BCC	HMGP/Local
Comprehensive Land Development Regulations Update - includes updating floodplain mangement regulations		Project in progress	
Homeless Emergency Project was awarded for 4 single-family home roof replacements.	\$38,000.00	Roof replaced with current building code standards.	CDBG
Religious Community Services, Inc. (RCS) was awarded for roof replacement at the Food Bank.	\$40,000.00	Roof replaced with current building code standards.	CDBG
Pinellas County Community Development Low Interest Loan	\$1.4M	81 Single family homes received a Low Interest Loan from Pinellas	CDBG; State Housing Initiatives
Neighborhood Stabilization Program NSP	\$20,400 (est.)	10 homes remodeled, 2 with impact windows, 4 with metal storm panels	NSP 1
Neighborhood Stabilization Program NSP2	\$43,300 (est.)	13 homes remodeled, 4 with impact windows, 9 with metal storm panels	NSP2
Neighborhood-based education and outreach on County issues of concern (i.e. hurricane preparedness, mosquito prevention, surface water quality, etc.).		Ongoing project in progress	CDBG
The Glades Drainage Assessment	\$1,089,200	Completed	Penny for Pinellas/ Local
Cross Bay Watershed Plan (132A)	\$514,600	Completed FY2013	Penny for Pinellas

Pinellas County Local Mitigation Strategy 1-28-14 Appendix 10 Mitigation Accomplishments			
Project	Cost	Status	Funding
Keystone Road Reconstruction	\$16,805,900	Completed FY2013	Penny for Pinellas
Bryan Dairy Road - Starkey to 72nd St.	\$9,275,400	Completed FY2013	Penny for Pinellas; Grants
Cross Bayou Watershed Plan	\$252,310	Completed FY2013	Penny for Pinellas; SWFWMD; Grant
Starkey Basin Watershed Mgt. Plan	\$607,200	Completed FY2013	Penny for Pinellas; SWFMD; Gov't Reimbursement
Public Safety Facilities & Centralized Communications Center	\$72,981,800	Facility nearing completion; will be occupied in early 2014	Penny for Pinellas
Pinellas Park			
Basin 4A Drainage Improvement - Culvert replacements and ditch regrading within the Channel 4A area from 58th Street to a point upstream of the 53rd Street Culvert. This would be done after the Pinellas Poark Water Management District upgrades Channel 41 from 58th Street to a proposed pond south of 62nd Avenue.	\$487,250	Completed in 2004	Local
Park Blvd Drainage Improvement Phase I, Basin B - Improve drainage along Park Boulevard corridor between US 19 and 66th Street. Improve each drainage network in the area as recommended by the 1998 Park Boulevard Master Drainage Plan. Basin B is located between the CSX Railroad line and 49th Street.	\$5,364,000	Completed in 2006	Local, State, and Federal
Park Blvd Drainage Improvement Phase II, Basin A - Improve drainage along Park Boulevard corridor between US 19 and 66th Street. Improve each drainage network in the area as recommended by the 1998 Park Boulevard Master Drainage Plan. Basin A is located between 65th Way to the CSX Railroad line.	\$10,000,000	Completed in 2008	Local, State, and Federal
Park Blvd Drainage Improvement Phase III, Basin C - Improve drainage along Park Boulevard corridor between US 19 and 66th Street. Improve each drainage network in the area as recommended by the 1998 Park Boulevard Master Drainage Plan. Basin C is located between US 19 and east of 49th Street.	\$14,530,000	The drainage project was completed in FY10/11	Local, County, State, and Federal
Helen Howarth Park Drainage Basin Evaluation - Provide survey, conceptual-level modeling, data collection, and preparation of report to recommend possible improvements in drainage basin.	\$32,500	Study completed in 2005	Local

Pinellas County Local Mitigation Strategy**1-28-14****Appendix 10 Mitigation Accomplishments**

Project	Cost	Status	Funding
Homeland Drainage Improvement District Drainage Study - Determine improvement area through completion of a drainage study, including surveying, modeling and laternative evaluation.	\$55,000	Study completed in 2005	Local
Stormwater Rehabilitation Program - Install and line galvanized culvert pipe through the City.	\$500,000	This is an annual ongoing project.	Local
NFIP Map Update - This project involved an outreach to preoperty owners of potential changes and included use of websites, a TV show, public service announcements through the Government Affairs Department, and displays at the Library, City Hall, and at Park Station. The NFIP anticipates the maps becoming effective in September 2009.		Completed. The maps became effective August 18, 2009.	Local
Mobile Hazard Mitigation House - This project adapted a mobile home to illustrate means to better protect homes and MH's from various natural hazards as well as fire. The unit is also equipped to make multimedia presentations and be used to demonstrate home escape measures. FY 00/01	\$31,747	Completed	State
Home Disaster Mitigation Handbook - This document is currently being produced. It is an easy to read and understand booklet that explains the basic means to protect homes and can help homeowner's mitigate from those storms events common to central Florida. This document will be produced in a CD-ROM format for other communities to replicate.	\$50,000	Completed	State
Purchase of Land for Drainage Retention. The City has entered into a contract to purchase property near Park Blvd and 40th St. N. The property will be used for storm water retention at Park Blvd and 43rd St. N.	\$796,000	Completed	Local
94th Avenue N. widening: This is a roadway project with a drainage component. A collector road is to be widened to a two lane divided facility between 58th St. N. and 49th St. N. It has been designed to address local drainage issues and those of the surrounding neighborhoods. Completion is anticipated in FY 03/04.	\$2,200,000	Completed	Local

Pinellas County Local Mitigation Strategy 1-28-14 Appendix 10 Mitigation Accomplishments			
Project	Cost	Status	Funding
60th St. N. ditch mitigation project is to install a major box culvert system along 60th St. N. between 70th Avenue N. and the Pinellas Park Water Management District Channel 4. This project will promote a greater flow of storm water from the secondary drainage system into the primary drainage facility and reduce localized street and structure flooding and eliminate a dangerous open ditch situation that currently exists.	\$1,067,000	Completed	Local
Park Blvd/66th St. N. intersection improvement. Florida Department of Transportation has recently completed this project which included a drainage component to address flooding up to a 25 year storm event.	\$1,600,000	Completed	State and Federal
Homeland Drainage Improvement District Drainage Study - Determine improvement area through completion of a drainage study, including surveying, modeling and latervative evaluation.	\$3,750,000	Completed 2012	Local
Redington Beach			
Improvement of storm drainage to have the remainder of the Town's storm sewer system upgraded and add on to serve growth in the community.	\$5,000,000	Completed 2009	SWFWMD/Local
Redington Shores			
Construct elevated Town Hall.	\$600,000	Complete	Local
Storm water retrofit project for areas east of Gulf Blvd.	\$600,000	Complete	Local and State
Safety Harbor			
Harden Fire Station #53 and upgrade EOC	\$250,000	Complete	Local
East Gate Drainage Improvements	\$1,442,811	Complete	Local and State
South Green Springs - Improvements to minimize street flooding.	\$1,500,000	Complete	Local
11th Ave. S. Brick Street & Drainage Improvements	\$701,339	Complete	Local and State
Street and Yard Flooding - 2nd Ave. N.	\$1,300,000	Complete	Local
Rigsby Center/Hurricane Shutters Installed	\$1,438	Complete	Local
Parks & Bldg. Maintenance/Hurricane Shuitters and Wind rated Bay/Garage doors installed.	\$4,021	Complete	Local
Street Flooding Improvements - Bailey Street	\$430,000	Complete	Local
Bishop Creek Erosion and Storm Water Control, Harbor Woods	\$906,857	Complete	Local and State

Pinellas County Local Mitigation Strategy 1-28-14 Appendix 10 Mitigation Accomplishments			
Project	Cost	Status	Funding
Fire Station #53, Replace Ladder Truck and special Equipment	\$510,000	Complete	Local
Bishop Creek Erosion and Storm Water Control, Rainbow Farms Ph 1.	\$1,300,000	Complete	Local and State
Library/Hurricane Shutters for existing building	\$7,058	Complete	Local
Daisy Douglas Park/Wind rated garage doors installed.	\$1,464	Complete	Local
Fire Station #53/hurricane shutters installed	\$1,398	Complete	Local
Public Works Office Facility/Hurricane shutters installed	\$1,538	Complete	Local
North City Park/Wind rated garage doors installed	\$1,392	Complete	Local
Master Lift Station: new generator and pumps	\$70,000	Complete	Local
Fire Station #52: New generator	\$75,000	Complete	Local
Fire Station #53: New generator	\$60,000	Complete	Local
Fire Station #53: Building to house new generator	\$50,000	Complete	Local
Public Works replacement of a generator	\$40,000	Complete	Local
Seminole			
Construct emergency operations center and public works garage. Estimated completion time: more than 12 months.	\$6,500,000	Complete	Local
South Pasadena			
Storm shutters on public works building	\$16,500	Complete	HMGP
Generator switch at joint EOC	\$15,000	Complete	Local
Hardened fire station and construct addition	\$43,000	Complete	HMGP \$5,000/ Local \$38,000
Purchased 80KW generator for public works building	\$39,000	Complete	Local
City Hall Window Protection	\$50,000	Complete	Local
St. Petersburg			
Mitigated 3 waterfront properties on Bayou Grande Blvd. NE to prevent damage from flooding.	\$289,237	Complete	Federal and Local
1st St. N. storm water project	\$5,788,000	Complete	Local
Highland St. storm water project.	\$844,000	Complete	Local
Nebraska Ave. NE storm water project.	\$200,000	Complete	Local
3rd St. Bayboro storm water project.	\$3,668,000	Complete	Local
4th St. S. Bayboro storm water project.	\$2,369,000	Complete	Local
Floral Lake storm water project	\$308,000	Complete	Local

Pinellas County Local Mitigation Strategy **1-28-14** **Appendix 10 Mitigation Accomplishments**

Project	Cost	Status	Funding
Mirror Lake alum injection system.	\$553,000	Complete	Local
Booker Creek Maintenance at Tropicana Dome.	\$203,000	Complete	Local
8th St. drain storm water project.	\$2,558,000	Complete	Local
67th St. drain storm water project.	\$681,000	Complete	Local
Lake Winston storm water project.	\$2,261,000	Complete	Local
31st St. S storm water project.	\$576,000	Complete	Local
Tinney Creek rehab. project.	\$194,000	Complete	Local
Ponds Ditch rehab. project.	\$30,000	Complete	Local
Clam Bayou retrofit project	\$286,000	Complete	Local
Ditch piping project - 4 locations throughout the city.	\$3,578,000	Complete	Local
Bayou Grande Blvd. NE project.	\$398,000	Complete	Local
Roser Park Creek project.	\$1,000,000	Complete	Local
King St. N. drainage improvements	\$2,966,000	Complete	Local
Oak St. NE drainage improvements	\$344,000	Complete	Local
Riviera Bay & Snell Isle Stormwater Vaults	\$1,400,000	Underway anticipated to be completed this year	Penney for Pinellas/Local
Fire Station Window and Door Storm Protection. This project will retrofit nine fire stations to protect against storm impacts by providing window protection and replacing vulnerable overhead doors. Downtown Master Fire Station, 455 8th St. S.; Palmetto Park Station #3, 3101 5th Ave. S.; North Shore Station #4, 2501 4th St. N.; Fossil Park Station #7, 975 9th St. N.; Lake Maggiore Station #8, 4701 Martin Luther King St. S.; Lake Pasadena Station #9, 475 66th St. N.; Ponce de Leon Station #10, 2800 30th Ave. N.; Lakewood Station #11, 5050 31st St. S.; Gateway Station #13, 11600 Roosevelt Blvd.	\$250,000	All projects completed using local funds except for Ponce de Leon Station #10. the work on that station is currently underway and is being funded by HMGP and a local share match.	HMGP/Local
Tarpon Springs			
Riverside and Hillside Drive Stormwater Improvements	\$67,000	Conceptual Design	SW Utility
Walton Avenue Evacuation Route SW Improvements	\$224,000	Under Construction	SW Utility
Pent Street Flooding/Drainage Improvements	\$1,122,000	Conceptual Design	SW Utility
Disston and Tarpon Ave Evac Route SW Improvements	\$428,000	Design Complete	SW Utility
Kenneth Way Flooding/Drainage Improvements	\$91,000	Conceptual Design	SW Utility

Pinellas County Local Mitigation Strategy 1-28-14 Appendix 10 Mitigation Accomplishments

Project	Cost	Status	Funding
Center Street at Disston Ave Flooding/Drainage Improvements	\$573,000	Alternatives Analysis Underway	SW Utility
Athens St. and Dodecenase Sponge Docks Flooding/Drainage Imp.	\$27,000	Conceptual Design	SW Utility
Palm Avenue Flooding/Drainage Improvements	\$728,000	Conceptual Design	SW Utility
Chesapeak Drive Flooding/Drainage Improvements	\$185,000	Under Construction	SW Utility
Hibiscus Street Flooding/Drainage Improvements	\$90,100	Under Construction	SW Utility
Highland Avenue at Vista Place Flooding/Drainage Improvements	\$161,500	Conceptual Design	SW Utility
Disston Ave between Spruce and Live Oak Flooding/Drainage Imp	\$581,000	Conceptual Design	SW Utility
Treasure Island			
Elevated three structures above the base floor elevation	\$100,000	Complete	Private
Demolished three structures and replaced with conforming structures.	\$1,500,000	Complete	Private
Demolished one structure in flood area.	\$800,000	Complete	Local and State
Applications pending to elevate two structures above the base floor elevation	\$210,000	Underway	Private and State
Drainage improvements in the Sunset Beach neighborhood to reduce flooding.	\$300,000	Complete	Local and State
Hardening of critical facilities - City Hall and Public works complex.	\$150,000	Received HMGP grant for this project in the amount of \$71,487.	HMGP/Local
Reconstruction of Treasure Island Causeway bascule bridges to replace bridges built in 1939. Causeway is designated evacuation route for 7,560 permanent and 8,000 seasonal residents with the original bridges and equipment subject to storm tide flooding due to low elevation.	\$50,000,000	Received federal grant for this project in the amount of \$50,000,000. Completed in 2007.	Federal
Enhancement of beach area to reduce storm losses. Quarterly planting of sea oats by community volunteers to enhance dune system for a number of years. County provides sea oats free of charge. Nominal cost to City. Also, sand sharing program set up so that in the event of a storm, the City can relocate accreted sand to storm damaged areas of Treasure Island's beach (\$500,000 reserve fund set aside by City Commission for emergency beach repairs.)	Nominal to date. Resrve of \$500,000 established.	Compleat and on-going	Local and County (sea oats donation)

Membership Roster

PINELLAS COUNTY LOCAL MITIGATION STRATEGY WORKING COMMITTEE ROSTER 2014

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Pinellas County Planning & Dev. Svcs.	Open		
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Proposed Meeting Schedule 2014

**Proposed Meeting Schedule
Pinellas County
Local Mitigation Strategy Work Group**

January 16, 2014

April 17, 2014

July 17, 2014

October 16, 2014