



Pinellas County 2016 Local Mitigation Strategy Annual Report

1 OVERVIEW

Pinellas County, its municipalities, and other stakeholders have developed a county-wide Local Mitigation Strategy (LMS) that defines the various types of potential hazards to the community, ways to minimize the impact of these hazards, and roles and responsibilities of the County and participating municipalities. The Federal Emergency Management Agency (FEMA) requires states and local governments have such a hazard mitigation plan in place in order to be eligible for relevant federal funds. The Florida Division of Emergency Management (FDEM) requires annual updates to various sections of the plan, including community outreach activities, planned or potential mitigation projects to address the hazards identified, and completed projects. Every five years FEMA also requires an update of the entire plan. The annual FDEM updates do not need to be adopted by participating jurisdictions, however the 5-year update must be adopted via resolution or ordinance. Pinellas County's last 5-year update was adopted in 2015, and utilized the 10-step process consistent with FEMA's Floodplain Management Planning (FMP) element of the Community Rating System (CRS), which allows the LMS to serve as the county-wide floodplain management plan in the CRS program, thereby allowing jurisdictions participating in the LMS to receive CRS credit.

2 PURPOSE OF ANNUAL LMS REPORT

An LMS Working Group (LMSWG) has been established consisting of representatives from the public, private and non-profit sectors. At minimum, the LMSWG meets quarterly to discuss ongoing mitigation activities and the FDEM and FEMA required updates to the LMS. Per requirements of the CRS program, an annual progress report must be created detailing updates to the countywide Floodplain Management Plan, which as discussed above, is served by the LMS plan. This calendar-year 2016 LMS Annual Progress Report serves as an update on LMS activities while also meeting CRS requirements.

While there is no requirement for a local government to adopt this report, the CRS program requires it "must be submitted to the governing body, released to the media, and made available to the public." The County issues a media release, makes the update available to the public at www.PinellasLMS.org and provides this report to participating jurisdictions for submittal to their respective governing bodies.

3 REPORT CONTENTS

The calendar-year 2016 annual updates required by FDEM, and correspondingly by the CRS program, were submitted to the State on January 20, 2017, and the State has responded indicating our LMS is in compliance. A copy of that compliance letter is provided in Attachment 1, along with the associated plan updates, the current LMSWG roster and a copy of the quarterly LMS meeting agendas and minutes pertaining to the 2016 calendar-year update.



ATTACHMENT 1:



STATE OF FLORIDA
DIVISION OF EMERGENCY MANAGEMENT

RICK SCOTT
Governor

BRYAN W. KOON
Director

January 23, 2017

Ms. Carol Renea Vincent
Pinellas County Local Mitigation Strategy Chair
310 Court Street
Clearwater, Florida 33756

Re: Florida Administrative Code 27P-22.004 Compliance

Dear Ms. Vincent:

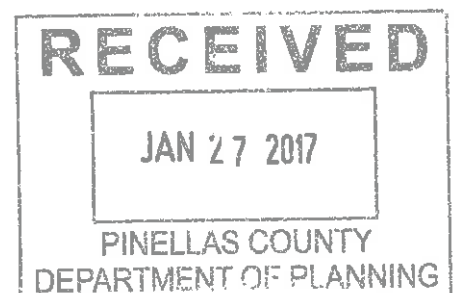
The Florida Division of Emergency Management's Mitigation Planning Unit received your updated 27P-22.004 information for the 2016 calendar year. After looking through the information received, it has been determined that your update is complete and your Local Mitigation Strategy is in compliance with F.A.C. 27P-22.004.

If you have any questions regarding this matter, or if our office can be of any further assistance, please contact our Mitigation Planning Manager, Melissa Schloss, at 850-413-9925 or Melissa.Schloss@em.myflorida.com.

Respectfully,

Miles E. Anderson,
Bureau Chief, Mitigation
State Hazard Mitigation Officer

MEA/rl



**BOARD OF COUNTY
COMMISSIONERS**

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



January 20, 2017

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

RE: 2017 Local Mitigation Strategy – Annual Update: Pinellas County

Dear Mr. Anderson:

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 12, 2017. The Chair for 2017 is Carol Renea Vincent, Planning Director, Pinellas County. Noah Taylor, CRS Coordinator, City of St. Petersburg, will serve as Vice-chair.

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 continues to work with and seeks to increase 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 2017 as follows: April 13, July 13, October 12, and Dec. 14. 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. Quarterly meetings are also posted on Pinellas County's Public Calendar of meetings.

Also attached are the updates to the Pinellas County LMS that were approved by the LMS Working Group at its January 12, 2017 meeting. These updates pertain to Appendix 7 - Community Outreach and Participation, Appendix 9 - Mitigation Initiatives, Appendix 10 - Mitigation Accomplishments and to Appendix 11 - Potential Funding Sources. Attachments for these updates are shown in strike-through/underline format. Clean versions will be placed on the LMS website after receipt by FDEM.

Pinellas County Planning
310 Court Street
Clearwater, FL 33756
Main Office: (727) 464-8200
FAX: (727) 464-8201
V/TDD: (727) 464-4062

www.pinellascounty.org



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

Sincerely,



Renea Vincent
Pinellas County Planning Director
LMS Chair

Attachments

- 1) 2017 Roster of LMS Participants
- 2) Appendix 7 Updates (Strike-through/Underline Copy)
- 3) Appendix 9 Updates (Strike-through/Underline Copy)
- 4) Appendix 10 Updates (Strike-through/Underline Copy)
- 5) Appendix 11 Updates (Strike-through/Underline Copy)

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

Sally Bishop, Director
Pinellas County Emergency Management

PINELLAS COUNTY LOCAL MITIGATION STRATEGY WORKING COMMITTEE ROSTER

Jan-17

Agency/Organization	Name	E-Mail Address	Phone	Position Title
American Red Cross	Hendrickson, Mark	mark.hendrickson@redcross.org	727-744-0382	Business Consultant for COOP & Community Development Education
American Red Cross	Bueno, Jose C	Jose.Bueno@redcross.org	813-868-7673	Regional Preparedness Manager
Area Agency on Aging of Pin./Pasco	Martino, Jason	jason.martino@aaapp.org	727-570-9696	Emergency Coordinating Officer
Bay Area DKI	Ennest, Chris	CEnnest@bayareadki.com	813-224-2464	Account Manager
Bayfront Health St. Petersburg	Beckert, Bruce	bruce.beckert@hma.com	727-893-6967	Construction Coordinator
Bayfront Health St. Petersburg	Roger Fournier PI	roger.fournier@BayfrontHealth.com	727-893-6171	Director of Public Safety
Bayfront Health St. Petersburg	Baker, Glenn	Glenn.Baker@bayfronthealth.com	727-893-6074	Emergency Management Coordinator
Belleair	Lauda, Gregg	glauda@townofbelleair	727-588-3760 x 215	
Belleair Beach	Rives, Lynn	lives@cityofbelleairbeach.com	727-595-4646 x123	Community Services Manager
Belleair Beach	Gonzalez, Nancy	Ngonzalez@CityofBelleairBeach.com	727-595-4646 x 121	City Manager
Belleair Bluffs	David, Robert	rdavid@belleairbluffs-fl.gov	727-584-2151	Director of Public Works
Clearwater	Crandall, Ella	Ellen.Crandall@MyClearwater.com	727.562.4836	Senior Planner, Long Range Planning Division
Clearwater (Alternate)	Kessler, Sarah	Sarah.Kessler@myclearwater.com	727-562-4897	Environmental Specialist CRS Coordinator
Clearwater	Ehlers, Scott	scott.ehlers@myclearwater.com	727-562-4334 x3205 727-224-7072 Cell	Emergency Manager
Dunedin	Parks, Jeff	jparks@dunedinfl.net	727-298-3094	Fire Chief
Dunedin	Joan McHale	jmchale@dunedinfl.net	727-298-3198	Program Coordinator, Planning
East Lake Tarpon Fire Control District	Jamison, Tom	tjamison@elfr.org	727-784-8668	Fire Chief
Eckerd College	Mets, Lisa	metsla@eckerd.edu	727-864-8221	Vice President & Secretary of Eckerd College and Risk Manager
FDOT	Allen, Angela	angela.allen@dot.state.fl.us	813-615-8630	FPEM Emergency Operations Coordinator
FEMA - Region IV	Vigo, Gabriela	gabriela.vigo@fema.dhs.gov	229-225-4546	HMA Program Specialist, FL
Florida Emergency Management	Price, Jamie	Jamie.price@em.myflorida.com	850-413-9925 Office Cell (850) 694-6620	Lead Mitigation Planner

Florida Emergency Management	Wallick, Michael	Michael.Wallick@em.myflorida.com	850-922-0325	Mitigation Planner
FL Restaurant & Lodging Assoc.	Lynch, Dannette	dannette@frla.org	727-642-3404	Regional Director Florida Restaurant & Lodging Association
Gulfport	Taylor, Michael	mtaylor@mygulfport.us	727-893-1087	Principal Planner
Gulfport	Engel, Gerald	gengel@mygulfport.us	727-893-1020	Building Official
Hillsborough County Hazard Mitigation	Beams, Amy	beams@hillsboroughcounty.org	813-307-4541	Senior Planner
Indian Rocks Beach	Scharmen, Dean	dscharmen@irbcity.com	727-595-6889	Public Services Director
Indian Rocks Beach	Warren, Calvin	cwarren@irbcity.com	727-595-6889	Assistant Public Services Director
Indian Shores	Dhonau, Bonnie	bdhonau@myindianshores.com	727-474-7777	Town Administrator
Indian Shores	Tidwell, Michelle	mtidwell@myindianshores.com	727-474-7785	Building Department Permit Clerk
JWB	Biddleman, Marcie	mbiddleman@jwbpinellas.org	727-453-5611	Executive Director
JWB	Waldron, Shelba	swaldron@jwbpinellas.org	727-453-5696	Program Consultant
Kenneth City	Campbell, Mathew	campbellm@kennethcityfl.org	727-498-8948	City Manager
Kenneth City	Susan L. Scrogam CMC	scrogams@kennethcityfl.org	727-498-8948	Town Clerk
Largo	Leong, Frances	Fleong@largo.com	727-587-6794 x7453	Planner
Largo	Mixson, David	dmixson@largo.com	727-587-6714	Deputy Fire Chief
Largo	Johnson, Cody	cjohnson@largo.com	cell #: 813-679-5615 Office: 727-587-6714 ext. 2111	Assistant Chief
Largo	Curtis, Luke	lcurtis@largo.com	727-586-7488 ext 7211	Plans Examiner
Largo	Waters, Stephanie	swaters@largo.com	727-587-6700 x7002	Deputy City Clerk
Maderia Beach	Orton, Michelle	morton@madeirabeachfl.gov	727-391-9951 Ext. 255	Planning and Zoning Director
Maderia Beach	Chief Derryl O'Neal	doneal@medeirabeachfl.gov	(727) 391-3400 x 248	Fire Chief
Morton Plant Mease Healthcare	Clark, Carol	carol.clark@baycare.org	727-825-1753	Manager Safety and Security Services
North Redington Beach	Campbell, Mari	townclerk@townofnorthredingtonbeach.com	727-391-4848 727-393-0803 - Fax	Town Clerk
North Redington Beach	Lewis, Don	ceofficer@townofnorthredingtonbeach.com	727-391-4848	Code enforcement officer

North Redington Beach	Schmader, Renee	deputyclerk@townofnorthredingtonbeach.com	727-391-4848	Deputy Town Clerk
Oldsmar	Dauphinais, Marie	mdauphinais@myoldsmar.com	813-749-1122	CFM Director Planning & Redevelopment
Oldsmar	Everitt, Steven	severitt@myoldsmar.com	813-749-1147	CFM Planner
Oldsmar Fire	O'Nale, Dean	donale@myoldsmar.com	813-749-1200 Work 813-433-3402 Cell 813-891-6814 Fax	EFO Fire/EMS Chief
PARC	Nevitt, Missy	mnevitt@parc-fl.org	727-345-9111	Director of Operations, PARC
Pasco County	Eppig, Ian	ieppig@pascocountyfl.net	727-847-8137	Mitigation Coordinator
Pinellas County Building & DRS	Doherty, Heather	hdoherty@co.pinellas.fl.us	727-464-3471	Engineering Service Tech II/CFM
Pinellas County Marketing & Communications	Karolak, Irena M.	ikarolak@pinellascounty.org	727 464-3849	Public Information Specialist
Pinellas County Economic Development	Swank, Stacey	sswank@pinellascounty.org	727-464-7425	Business Development Manager - Marketing & Communications
Pinellas County Emergency Mgt.	Bishop, Sally	sbishop@co.pinellas.fl.us	727-464-3813	Director
Pinellas County Emergency Mgt.	Borries, Joe	jborries@co.pinellas.fl.us	727-464-3803	Emergency Operations Manager
Pinellas County Emergency Mgt. (Primary Contact)	Becker, Gregory	gbecker@pinellascounty.org	727-464-3812	EM Coordinator
Pinellas County Public Works (Alternate)	Talhok, David	dtalhok@co.pinellas.fl.us	727-464-3780	Program Manager
Pinellas County Public Works	Foster, Lisa	lfoster@pinellascounty.org	727-464-8962	Floodplain Coordinator
Pinellas County Public Works (Alternate)	Harji, Rahim	rharji@pinellascounty.org	727-464-8962	Stormwater and Vegetation Division Director
Pinellas County Planning	Moore, Chris	cdmoore@pinellascounty.org	727-464-8226	Principal Planner
Pinellas County Planning	Vincent, Renea	rvincent@pinellascounty.org	727-464-8200	Director
Pinellas County Planning (Alternate)	Young, Chris	cyoung@pinellascounty.org	727-464-8200	Program Planner
Pinellas County Radio & Technology	Beim, Donna	dbeim@pinellascounty.org	727-582-2510	
Pinellas County Schools	Dluzneski, Dan	dluzneskid@pcsb.org	727-547-7205	EM Coordinator
Pinellas Park	Porter, Catherine	cporter@pinellas-park.com	727-369-5613	Associate Planner
Pinellas Park	Berkheimer, Gary	gberkheimer@pinellas-park.com	727-369-5802	Deputy Fire Chief
Pinellas Park	Boisvert, Suzanne	SBoisvert@pinellas-park.com	727-541-0805 x3906	Emergency Management Planner

Redington Beach	Clarke, Missy	townclerk@townofredingtonbeach.com	727-391-3875	Town Clerk
Redington Beach	Gamble, Andrea	deputyclerk@townofredingtonbeach.com	727-391-3875	Deputy Town Clerk
Redington Shores	Andrews, Steven	bldgdept@townofredingtonshores.com	727-397-5538	Building Official
Redington Shores	Palmer, Mary	townclerk@townofredingtonshores.com	727-397-5538	Town Clerk
Safety Harbor	Stenmark, Marcie	Mstenmark@cityofsafetyharbor.com	727-724-1555 X 1702	Community Development Director
Safety Harbor	Schoderbock, Mike	mschoderbock@cityofsafetyharbor.com	727-724-1555	Planner
Seminole	Ely, Mark	mely@myseminole.com	727-398-3108x106	Community Development Director
Seminole	Hockenbury, Jeremy	jhockenbury@myseminole.com	727-397-6383	Public Works Director
Seminole	Rodde, Mike	mrodde@myseminole.com	727-393-8711	Fire Marshall
Seminole	Dykens, Brad	bdykens@myseminole.com	727-393-8711 x210	Public Education Officer
South Pasadena	Schwartz, Neal	nschwartz@mysouthpasadena.com	727-871-9339	Building Planning Director
South Pasadena Fire	Saltsman, Dayton	firechief@ci.south-pasadena.fl.us	727-344-1666	Fire Chief
St. Anthony's Hospital	Nicely, John	john.nicely@baycare.org	727-825-1128	Director Facilities Management Systems
St. Pete Beach	Cooper, Bruce	b.cooper@stpetebeach.org	727-363-3927	Building Code Administrator
St. Pete Beach	Welden, Chelsey	cwelden@Stpetebeach.org	727-363-9266	Urban Planner
St. Petersburg Emergency Mgt.	Adamides, Dean	dean.adamides@stpete.org	727-893-7683	Division Chief, FPDM
St. Petersburg Emergency Mgt.	Boulding, Amber	amber.boulding@stpete.org	727-892-5200	EM Specialist
St. Petersburg Construction & Permitting	Taylor, Noah	noah.taylor@stpete.org	727-893-7283	Community Rating System Coordinator
Sunstar	Eells, Brian	beells@sunstarems.com	727-582-2216	Director of Communications and Emergency Management
SWFWMD	Lloyd Roberts	Lloyd.Roberts@swfwmd.state.fl.us	352-796-7211 x4545	Senior P.E., Emergency Coordinating Officer
Tarpon Springs	Urwiller, Heather	hurwiller@ctsfl.us	727-942-5611	Zoning Director
Tarpon Springs	Russo, Vicki	vrusso@tsfl.us	727-942-5617	Building Development Supervisor
Tarpon Springs (Alternate for Vicki Russo)	Araya, Megan	mayara@ctsfl.us	727-942-5604	Development Services Coordinator

Tarpon Springs	Young, Scott	syoung@tsfr.us	727-938-3737	Deputy Fire Chief
Tarpon Springs (Alternae for Scott Young)	Drake, Josh	jdrake@tsfr.us	727-938-3737	Fire Lieutenant
Tarpon Springs Housing Authority	Amon, Deb	deb.amon@tarponhousing.com	727-937- 4411 727- 279-2814 FAX	Deputy Executive Director
Tampa Bay Regional Planning Council	Smith, Brady	brady@tbrpc.org	727-570-5151 x42	Principal Planner
Treasure Island	Cohen, Paula	pcohen@mytreasureisland.org	727-547-4575 x239	Community Improvement Director
Treasure Island	Koutsoftas, Michelle	mkoutsoftas@mytreasureisland.org	727-547-4575 ext. 230	Permit Tech
UF/IFAS Extension	Madhosingh-Hector, Ramona	rmadhosingh-hector@co.pinellas.fl.us	727-582-2656	UF/IFAS Extension Agent, Urban Sustainability
UF/IFAS Extension	Carnahan, Libby	lcarnahan@co.pinellas.fl.us	727-453-6522	Florida Sea Grant Agent

APPENDIX 7
COMMUNITY PARTICIPATION AND OUTREACH

Pinellas County Local Mitigation Strategy

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Attachment 7-2: Pinellas County Emergency Management Website (www.pinellascounty.org/emergency)	
Emergency Management Home Page	
Know Your Zone (Evacuation Zone Lookup and link to Flood Zone)	
Hurricane Preparedness (English)	
Hurricane Preparedness (Spanish)	
Business Solutions	
Home Healthcare Providers/ Healthcare Facility Disaster Planning: Criteria, Statutes and Rules	
Hotel/Motel/RV Parks/ Transient Accommodations Information	
Flood Information Home	
Flood Warning System	
Flood Property Protection	
Flood Mitigation	
Flood Information FAQ	
The Cost of Flooding (Link to www.floodsmart.gov)	
Pinellas County All-Hazard Guide“Surviving the Storm: The Official All-Hazards Guide for Pinellas County”	
Hurricane Video Library	
Stay Connected (ALERT PINELLAS , E-Lert, Cell Phone , Watch PCC-TV, Speakers and Presentations, Weather Alert Radio)	
Outreach Toolbox (includes Hurricane 101 , Busting Hurricane Myths, Hurricanes for Kids, and Becoming Storm Savvy)	
Other Hazard Resources	
Attachment 7-3: Sample Municipal Flood Outreach (City of Clearwater)	
Attachment 7-4: County Facebook Page with Citizen Survey	
Attachment 7-5: Findings of Focus Groups	
Attachment 7-6: Pinellas County Program for Public Information (PPI)	

APPENDIX 7: COMMUNITY PARTICIPATION AND OUTREACH

Overview

Pinellas County has developed an extensive emergency preparedness and mitigation educational/outreach program over the years with input and support from state, regional, county and municipal governments and both public and private stakeholders.



Pinellas County and its municipalities have multiple outreach programs designed to encourage preparedness and mitigation activities primarily through the floodplain management programs and hurricane awareness programs. Spreading the word about the cost-effectiveness of mitigation is a challenge in these economic times. Nevertheless, in partnership with the State (Florida Division of Emergency Management), the private sector and organizations such as the Federal Alliance for Safe Homes (FLASH), our communities have taken advantage of opportunities to encourage residents and businesses to “do their part” to minimize the risk to their families as well as their property.

The program has evolved with the use of creative and innovative tools providing two-way communication between county and municipalities, volunteer and civic organizations, the business community and the public. The challenge of the Local Mitigation Strategy was to assemble all of the activities, opportunities and materials in a concise and coordinated document. This provided the opportunity to identify collaborative partnerships as well as any gaps in our public warning and education campaign, to track outreach efforts and identify successful best practices.

Public Outreach Subcommittee

In preparation for the 5-year Update of the Pinellas LMS, the LMS Committee identified a Public Outreach Subcommittee which included representatives from the Pinellas County [Marketing & Communications Department](#) and Public Safety PIO Group, the County Economic Development Department, municipal planning and floodplain management including the barrier island communities, the American Red Cross and the Tampa Bay Regional Planning Council.

The subcommittee met bi-monthly during the update of the Pinellas LMS to (1) identify goals and objectives; (2) identify additional stakeholders; and (3) review activities and materials to ensure effective and consistent messaging to targeted populations.

The Public Outreach Subcommittee of the LMS identified specific strategies to accomplish the following goals:

1. Solicit input from the community in the drafting of the LMS and continue to encourage representation from non-governmental stakeholders in the planning process on the LMS Working Group;

Pinellas County Local Mitigation Strategy

2. Develop key mitigation topics, messages and desired outcomes;
3. Inventory existing outreach activities and networks/ target audiences/ key messages throughout the county; and
4. Identify any gaps in our communications capability and make adjustments to improve our ability to “market” the message of mitigation to our residents and businesses in the community.

Public Participation

The following policies were adopted by the LMS Working Group as part of the planning process:

- The workgroup adheres to “Sunshine Regulations” for Open Meetings. Florida is renowned for putting a high priority on the public's right of access to governmental meetings and records. In fact, the principles of open government are embodied not only in Florida statutes, but also guaranteed in the state Constitution. Reference Florida's *Government in the Sunshine Manual*.
- Documents (except those sections deemed protected under security provisions or privacy issues) are public and made available at Pinellas County Emergency Management's Office, the local municipalities and the website (www.pinellaslms.org). See screen capture of website in Attachment 7- 1.

Pinellas County invited many organizations via email and mailings to help in the LMS planning process. Specific invitations were extended to additional members of agencies, associations, businesses, and committees who have newly formed (such as Recover Pinellas, the Pinellas County Citizen Corps. Council and the Pinellas County Health Care Preparedness Coalition, etc.), additional public and private sector organizations partnering in preparedness activities including Pinellas Suncoast Transit Authority (PSTA) and the Urban Sustainability Program at the UF/IFAS Extension Office, as well as those which have not attended recently.

The Pinellas Local Mitigation Strategy Committee also reached out to the stakeholders who participated in the ***Pinellas County Post-Disaster Redevelopment Plan (PDRP, 2011)***. The working subcommittees included representatives from the following areas:

- Public Outreach ([Marketing & Communications Department](#), PIO Group, etc.)
- Financial Administration (Financial and purchasing departments, Public Works, etc.)
- Land Use, Housing and Mitigation (Planning Dept., Community Development, Communities Association, Neighborhood Assoc., Mobile Home owners, etc.)
- Construction, Permitting and Historic Preservation (Contractors Licensing Board, Permitting Dept., Historic Preservation Committee)
- Economic Redevelopment (Economic Development Dept., Chambers of Commerce, CVB, Hotel Association)
- Infrastructure Restoration (Clearwater Gas, Duke Power, FDOT, MPO, PIE Airport)
- Environmental Restoration (Tampa Bay [Estuary Program, Environmental Management, NEP, Environmental and Infrastructure Dept.](#))
- Health and Human Services (ESF 8 /Health Preparedness Coalition, Pinellas Recovers, Residential Living Facilities, child care, Juvenile Welfare Board, etc.)

The Pinellas LMS Committee also coordinated with the Pasco, Hillsborough and Manatee County Emergency Management and LMS Coordinators, and scheduled joint meetings with the CRS

Pinellas County Local Mitigation Strategy

Coordinators in the Region to ensure better coordination with the LMS Update and the CRS/ floodplain management programs.

In addition, the Pinellas County [Marketing & Communications](#) Department, stakeholders and local governments developed a comprehensive outreach strategy using their websites, surveys, electronic newsletters, the countywide PIO Network to solicit input from the public. Specifically, the public was informed of the LMS Update and its importance to the community. In addition, they were asked for input regarding the hazard and vulnerability assessment, flood/risk mapping, insurance issues, and mitigation initiatives.

Target Audiences

The Pinellas LMS Committee identified the following target audiences for mitigation outreach:

- The entire Pinellas County including all municipalities:
 - All areas in the county need to be aware of the flooding hazard as past flooding events have demonstrated. In addition, all areas are vulnerable to severe weather (hurricane force winds, thunderstorms and tornadoes)
- 100-year and 500-year Floodplain (Residents (owner and renter) and Businesses):
 - All residents and businesses within the FEMA flood zones must be aware of their increased risk, the need for flood insurance and ways to mitigate their potential losses.
- Repetitive Loss Areas (Residents (owner and renter) and Businesses):
 - Properties in these areas have been hit more often by flooding, so they have a greater need for flood protection information as well as options for mitigation. There are 1501 structures in the repetitive loss areas (See Appendix 13)
- Hurricane Evacuation Zones (Residents (owner and renter) and Businesses) :
 - Pinellas County is especially vulnerable to storm surge and residents who are susceptible are identified in the Hurricane Evacuation Zones.
- Wildfire Interface Areas (Residents (owner and renter) and Businesses):
 - Due to the urban nature of the county, the wildfire threat is not extensive; however, there are neighborhoods adjacent to parks and conservation areas which need to be informed of the potential threat of wildfire, safety measures and mitigation opportunities.
- Seniors
 - Pinellas County has a significant number of seniors who because of age or disability may be at higher risk and have special needs.
- Contractors, real estate, lending and insurance companies
 - These companies are key to conveying information about flood hazard and flood insurance. The Committee wants to make sure that they understand and have all the information they need about these topics.
- Business Community
 - Businesses are a vital part of our economic and community. It is imperative that businesses are prepared for emergencies.
- Spanish Speaking Population
 - Pinellas County has a growing Hispanic population. Approximately 8% of the population is listed as “Hispanic or Latino origin” (2010 Census) representing a 73% increase since 2000. Obviously, it is important that information is provided to this population in Spanish.

Pinellas County Local Mitigation Strategy

Messages and Outcomes

One of the first steps in determining the level of knowledge and interest in mitigation was to conduct a survey of residents. Pinellas County conducted a web-based survey in 2014. The survey and results of this survey are presented in Attachment 7-4. This survey provided information for the [Marketing & Communications Department](#) in better crafting the mitigation message.

Priority Topics of Messages:

1. Know your risk
2. Insure your property for your hazard(s)
3. Public Safety Information
4. Protect your property from the hazard(s)
5. Build Responsibly
6. Protect natural functions (floodplain, habitat, etc.)

Table 7- 1: Key Messages and Outcomes

Message	Outcome
Know Your Risk <ul style="list-style-type: none"> • Flooding • Hurricane Evacuation Level • Wind Vulnerability • Other (Sinkholes, Wildfire, Technological and Human-caused events, etc.) 	<ul style="list-style-type: none"> • More Map info/ Zone Inquiries (EM/ Floodplain) • More hits on Look up Website(s) • More hits on mitigation videos/ website info • Greater Attendance at Mitigation Workshops/ Events and Webinars • Greater Demand for Publications
Insure your business and home against losses	<ul style="list-style-type: none"> • Increase in the number of flood insurance policies • Increase in number of policies in Preferred Risk
Keep waterways clean: Stormwater	<ul style="list-style-type: none"> • Reduced amount of debris removed by public works
Safety Information <ul style="list-style-type: none"> • Turn Around; Don't Drown • Public Health impacts including floodwater contamination and boil water orders; mold) • Tornado (safe room), Hurricane Safety (disaster supplies), Wildfire ("Firewise), Hazardous Material Releases (Shelter-in-place), etc. 	<ul style="list-style-type: none"> • Greater Demand for Hurricane Guide • Greater Demand for Disaster Planning Guide (Spanish) • Fewer water rescues/ citations • More families have prepared Family Disaster Plans
All construction projects must meet Floodplain Management Regulations, Building Code and Stormwater Rules	<ul style="list-style-type: none"> • Fewer building code violations • Inspections
Learn how to protect your home/ business from flood, wind, wildfire	<ul style="list-style-type: none"> • More hits on mitigation videos/ website info • Attendance at Mitigation Workshops/ Events and Webinars • Greater Demand for Publications

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	<ul style="list-style-type: none"> Increase in the number of home improvement permits that include mitigation features
Prepare Ahead Make your Family/ Business Disaster Plan	<ul style="list-style-type: none"> More families have prepared Family Disaster Plans

Outreach Projects

The County-wide public information strategy includes:

- Distribution of the official all-hazard guide for Pinellas County, ***“Surviving the Storm”: It’s Everyone’s Responsibility.*** Approximately ~~100,000~~**85,000** copies were printed and distributed **in 2016** through local libraries, fire stations, all public buildings and Walgreens. The Guide (on the website and available for review) provides residents and visitors with information on how to “stay connected” in emergencies including
 - How to get alerts through the weather alert radio or a wireless emergency alert equipped cell phone.
 - How to sign up for the free, award ~~wining~~**winning** Pinellas County E-Lert electronic newsletter; where to get addition information on PCC-TV,
 - How to contact the Citizens Information Center
 - How to request a speaker or information for your organization, school or place of employment;
 - How to follow breaking news and information through social media (Twitter, Facebook, [NextDoor](#), and YouTube)
 - How to prepare your home and mitigate damage from floods and wind
 - Understanding your insurance for owners, renter and business
 - Safety after a flood or severe weather (Food, Generator, Driving (Turn around; don’t drown), Chainsaw safety, Drinking water, etc.)
- Disaster Planning Guide* in Spanish (on the website and available for review) is distributed throughout the County through faith-based organizations, family centers, clinics, the library CO-OP, senior service providers and 211 Referral Services. Table 7-2 provides the distribution strategy for the Disaster Planning Guide in Spanish. This information is also provided on the regional website, www.tampabayprepares.org and the county website, www.pinellascounty.org/emergency .

Table 7- 2: Spanish Information Distribution Strategy

Community Partners	Quantity Distributed
Area Agency on Aging - Service Providers	400
American Red Cross - South County	800
American Red Cross - North County	600
Marketing & Communications Dept.	3,900
Library Co-Op	800
211 Tampa Bay Cares	1,200
Catholic Charities	400
Guadalupana Clinica	200
High Point Family Center	200

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Salvation Army	200
Trinity Presbyterian	200
Turley Family Center	400
Union Street United Methodist	200
YMCA - Hispanic Outreach	400
TBRPC	100
Total	10,000

- Distribution of an electronic Emergency Management Newsletter, “***E-lert: Surviving the Storm***” prepared by Pinellas County Emergency Management. The newsletter provides information on emergency preparedness and mitigation including risk information (evacuation zones, flood risk zones, etc.), shelters, safety tips, etc. See Attachment 7-2 (screen capture of newsletter).
- **Video Library:** A series of videos available online at a county website (See Attachment 7-2 for screen capture.) They are prepared and presented by the Pinellas County [Marketing & Communications](#) Department and can be accessed and presented through municipal governments, businesses, schools or organizations. The e-Series includes 15 minute presentation which covers variety of topics, including:
 - How to secure your home for flood and wind
 - Special needs evacuation and sheltering (Seniors and Disabled)
 - Pet preparedness
 - How to prepare your business
 - What does insurance cover – and not cover
- LMS Working Group meetings are announced on the **County Community Calendar** and web site (www.pinellascounty.org). In addition, the website (www.pinellaslms.org) provides announcement, agendas and minutes of all meetings . Both of these calendars are linked to municipal and partner websites throughout the county. See Attachment 7-1.
- Pinellas County [Marketing & Communications](#) Department, through **County Connections**, solicited input from local residents through three Focus Groups in 2010. The groups were established and each met with County Emergency Management personnel and LMS Working Group members to present the draft documents including the goals and objectives, existing programs and policies, prioritized projects and accomplishments. An effort was made to hold the meetings in the northern, southern and central parts of the county where municipal interests could also participate. The findings of the Focus Groups were consolidated and are provided in Attachment 7-5.
- In addition, the [Marketing & Communications](#) Department sent out an electronic survey through Facebook and newsletters to citizens requesting their input in to the mitigation strategy.

In addition to the county-wide efforts, each jurisdiction has a communication program for their residents and neighboring communities. The “culture of preparedness” in the county expands not just to specific public safety forums, workshops and expos, but to the provision of this information at other community events. Types of outreach at the jurisdictional level include the following:

- Community Events
- News Letters

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- Presentations to Governing Bodies
- Questionnaires/Surveys
- Roundtables/ Forums
- Webinars/ E-Town Hall Meetings
- Social Media/ Email
- Nextdoor
- Area-Specific Meetings
- Websites
- Interviews
- Brochures/Publications
- Mailings

An Outreach Matrix was developed to attempt to capture the efforts of the county, its municipalities and community partners. Please see Table 7-9.

In addition, Examples of county and municipal outreach projects are included in the back of the report. See List of Attachments.

Other Public Information Initiatives

Program for Public Information (PPI)

The Program for Public Information (PPI) was introduced by the Federal Emergency Management Agency (FEMA) as a planning tool to provide a step-by-step coordinated approach to flood hazard outreach. The County and some of the municipalities have developed PPIs using this approach for their jurisdictions to improve communication with citizens, and to provide information about flood hazards, flood safety, flood insurance, and ways to protect property and natural floodplain functions to those who can benefit from it. Although this information is being effectively shared throughout the County, these programs better coordinate messages and materials and standardize the information being shared. Much of the flood hazard component of this LMS Community Participation and Outreach plan has been vetted through the PPIs.

PUBLIC WARNING

As stated in the Pinellas County Comprehensive Emergency Management Plan (CEMP, Basic Plan, pg. 36-37 and Marketing & Communications Annex, 2013), notification and warning involve the notification of emergency response personnel, as well as notifying the affected public. Pinellas County uses a combination of e-mail, telephone, radio, fax, and paging services to notify and activate its emergency response personnel. Pinellas County may use all available public warning systems to notify and warn Pinellas residents. This can include the Emergency Alert System (EAS), the National Weather Radio system, and Alert Pinellas, a computer and cell phone notification system activated by the county as well as using local media outlets and social media. ~~the public media~~. The PCEM is responsible for activating the appropriate notification and public warning systems when an emergency occurs or threatens the county.

The National Weather Service (NWS) re-certified Pinellas County as Storm Ready in 2009, in recognition of the county's commitment to maintaining an effective notification and warning system. Storm Ready is a program sponsored by the NWS to recognize those communities that enhance their weather action plan, and demonstrate readiness before, during, and after severe weather events.

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1) County Warning Point (CWP)

The County Watch Office (CWO) is the 9-1-1 Emergency Communications Center, located in the ~~County Annex Building~~ **Public Safety Complex**. ~~The alternate Watch Office is located at the County EOC.~~ Trained communications personnel staff the CWO 24 hours per day.

Communications systems available include:

- EMNet
- EMNet was upgraded in 2011 to replace the outdated Emergency Satellite Communications System (ESATCOM). EMNet supports secure text messaging and point to point voice communications between the State Watch Office and Pinellas County EOC/County Warning Point, as well as, counties throughout Florida. The EMNet system is designed to provide redundant communications capabilities by using an existing network connection to the Internet as its primary path, with the satellite system operating as a back up to the terrestrial patch.
- 800 MHz radios, Telephones, Faxes, Pagers (alpha and numeric), and
- Emergency contact lists with key telephone numbers
- The CWO is supplied auxiliary power by an on-site 400kw generator. This generator senses a loss of power and starts up automatically. Facility maintenance staff load test the generator weekly and in case of an impending storm. The generator's fuel capacity is 16,000 gallons and consumes approximately 20 gallons per hour. County Fleet Management has a maintenance agreement with several fuel companies to supply fuel for the generator continuously during a loss of power. The CWP is also wired to receive a portable generator should the primary fail.

2) EM Staff Notification

The PCEM compares the type, size, and severity of the emergency with resources needed, to decide who needs to be notified, and what type of team activation is needed. Once the director requests or authorizes activation of the EOC, the appropriate department emergency management representatives are notified. In turn, department emergency management coordinators and team members continue to notify their support staff in a pyramid fashion. If a person on the list cannot be contacted, his or her successor(s) will be contacted until someone is reached to assume the responsibility.

3) Organizational Notification

- The PCEM maintains and updates master emergency contact lists, with after hours and alternate telephone numbers, for each municipality and fire district, department, agency and their personnel.
- When a no-notice emergency occurs or is imminent, the CWO will obtain the necessary information on the incident and notify the PCEM. In turn, PCEM will notify the representatives appropriate for immediate response to the incident.
- The CWO will also notify the State Watch Office (SWO) of the incident and provide the pertinent information. If the incident involves hazardous materials, the CWO notifies the SWO. The SWO is notified as soon as possible of events not requiring state assistance.

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- The primary means to notify the SWO is by telephone. The CWO can use EMNet Voice Manager or text messaging as an alternate method of communicating with the SWO. See the CWO SOP for details.
- The primary representative for each EOC function will contact the supporting agencies. All agencies will notify their personnel to begin activation procedures as described in their local procedures, or standard operating guidelines.
- Each municipal Emergency Management Coordinator (EMC) will alert the municipal/fire control district in his/her community and supervise the dissemination of warnings in their jurisdiction.
- Pinellas County staff and registered residents are also notified via Alert Pinellas, an automated emergency notification system providing updates by calling land lines and cell phones, as well as email and text messages.

4) Public Warning

There are no siren systems in Pinellas County, but it has a wide array of commercial broadcast coverage that can disseminate information quickly. Pinellas County will attempt to provide the public with sufficient advance warning time for effective preparation and emergency plans to be implemented.

5) Emergency Alert System (EAS)

- EAS is designed to permit government officials to issue up-to-date and continuous emergency information, and instructions to the public in case of a threatened or actual emergency. During times of emergency, Pinellas County will access local TV and radio stations using EAS access points and will provide residents emergency information
- Other systems available to disseminate warning information to the public:
 - Tampa Bay television broadcast stations
 - Tampa Bay radio broadcast stations
 - Pinellas Cable Channel
 - Municipal Cable Channels
 - National Weather Radio (Ruskin Office)
 - Media Alert
 - Commercial Community Alert Pinellas Notification-notification System system to registered citizens' cell phones and / or email.¹
 - Public address systems on police and fire vehicles
 - Amateur Radio Emergency Service and Auxiliary Communication Services
 - Facsimiles
 - Mass e-mail capability
 - 911 Emergency Communications Paging System
 - ReadyAlert
 - RNS – Ready Alert Notification System – a reverse 911 citizen call system

¹ Pinellas County's new Mass Notification System: **FirstCall-Alert Pinellas** is free to county residents and gives emergency managers multiple ways to get the word out whenever an emergency situation arises. Subscribers will receive a notification on each contact method they provide – phone, text and/or email Alert **Pinellas** allows emergency managers to send out alerts to the county as a whole or to smaller, more specific geographic areas. (See Attachment 7-2)

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- Social media/website

- For purposes of transmitting warnings, the county will use the fastest and most appropriate means of dissemination. The National Weather Service (NWS) has agreed to activate the National Weather Radio Alert for both weather and non-weather emergencies. This makes the National Weather Radio an ideal alert and notification tool. The weather radios can also be accessed through HazCollect directly from the EOC.
- All communication centers have capabilities to receive incoming calls from the hearing impaired. The CIC also can provide information to hearing impaired citizens. Pinellas County also maintains a cadre of employees that speak additional languages that can respond quickly. Local telephone companies provide translation services to non-English speaking and hearing impaired citizens.

Repetitive Loss Properties

As a special target population, all property owners with repetitive flood losses (or severely repetitive losses) are contacted at least annually by their local jurisdictions. This special mailing includes the (1) identification of their property as a repetitive loss property as defined by FEMA, (2) the recommendation to purchase flood insurance to cover future losses, and (3) mitigation strategies and financial assistance opportunities to reduce their future losses.

Implementation, Monitor and Evaluation of the Program

In addition to the major 5- year update, the ***Pinellas County Local Mitigation Strategy*** is updated annually. As part of that update, efforts are made to evaluate public participation in preparedness and mitigation. The outreach and communications programs evolve based upon citizen input (focus groups and surveys, etc.), stakeholder engagement, and new technologies including social media. Activities for continued public participation include the periodic presentation on the plan's progress to elected officials, schools and other community groups. Programs are continued throughout the year with postings on social media and websites, special events, media events, webinars, etc.

It is recognized that the success of the preparedness/mitigation message depends on the partnerships built in the planning process and the collaboration and sharing of best practices. Quarterly meetings of the LMS Committee allow for presentations of current issues, opportunities for outreach and public information, increased stakeholder participations and the sharing of "lessons learned" from training, exercises or events.

Pinellas County, in an effort to spearhead efforts to further improve communication with citizens, and to provide information about flood hazards, flood safety, flood insurance and ways to protect property and natural floodplain functions, has embarked on a Program for Public Information (PPI). Introduced by the Federal Emergency Management Agency (FEMA) as anew planning tool, the PPI provides a step-by-step coordinated approach to flood hazard outreach. See Attachment 7-6.

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Table 7- 3: Pinellas County (County-wide) Outreach Matrix

Name of Event/Outreach	Description of Event/Outreach	Outreach Method	Target Audience	Target Message	Estimate of Population Reached	Date Entered on this Form	Date Last Reviewed/ Updated	Last Review/ Update Comment	Name of Person Who Last Reviewed/Updated
Hurricane Expo	Redington Shores Expo	Community Event	Municipality	Public Safety Information (ex. Turn Around Don't Drown)	25	8/25/2014	<u>10/31/2016</u>	<i>No updates (PPL Annual event, County staff present)</i>	<i>Lisa Foster</i> Debbie Peck
Hurricane Expo	Home Depot-Palm Harbor	Community Event	County-wide	Public Safety Information (ex. Turn Around Don't Drown)	85	8/25/2014	<u>10/31/2016</u>		Debbie Peck
Hurricane Expo	St Petersburg Expo	Community Event	Municipality	Public Safety Information (ex. Turn Around Don't Drown)	60	8/25/2014	<u>10/31/2016</u>		Debbie Peck
Hurricane Expo	Seminole Expo	Community Event	Municipality	Public Safety Information (ex. Turn Around Don't Drown)	150	8/25/2014	<u>10/31/2016</u>		Debbie Peck
PCC-TV	Aging on the Suncoast for July-August	Interview	Hurricane Vulnerable Seniors	Make your Family/ Business Disaster Plan		8/25/2014	<u>10/31/2016</u>		Debbie Peck
Other-Speaking Engagement	Talk to residents of Casa Santa Cruz ALF	Roundtable/ Forum	Other-Catholic Charities	Make your Family/ Business Disaster Plan	30	8/25/2014	<u>10/31/2016</u>		Debbie Peck
Other-Speaking Engagement	Talk to residents of Mainlands 6	Roundtable/ Forum	Hurricane Vulnerable Seniors	Make your Family/ Business Disaster Plan	30	8/25/2014	<u>10/31/2016</u>		Debbie Peck
Cable Television Programming	PCC-TV	Pinellas County Cable TV Interviews	County-wide	Topics vary from Insurance issues, preparedness, securing property, mitigation opportunities	200,000 estimated	9/5/2014	<u>10/31/2016</u>	<i>No updates (PPL ongoing)</i>	<i>Lisa Foster</i> Betti Johnson
County Speakers Bureau	Bank of SME Speakers (Volunteers and County/Municipal Employees)	Area-Specific Meeting (see list)	County-wide	All messages addressed during the year	400	9/5/2014	<u>10/31/2016</u>	<i>No updates (PPL ongoing, program currently being improved)</i>	<i>Lisa Foster</i> Betti Johnson
Connect Pinellas	Electronic County Newsletter	Newsletter	County-wide	All messages addressed during the year	8,000	9/5/2014			Betti Johnson
E-LERT	Electronic Emergency Information Newsletter	Newsletter	County-wide	All messages addressed during the year	5,677	9/5/2014	<u>10/31/2016</u>	<i>No updates (ongoing)</i>	<i>Lisa Foster</i> Betti Johnson
First Alert Alert Pinellas	Opt-In Alert System (Phone, Email, FB, Twitter, Text)	Social Media/ Email	County-wide	Know your risk/ Emergency Communications/ Warning		9/5/2014	<u>10/31/2016</u>	<i>No updates (ongoing program, name updated since development of this document)</i>	<i>Lisa Foster</i> Betti Johnson
Pinellas County EM Website	Other Hazard Resources Hurricane and Flood Related Information:	Website	County-wide	All messages addressed during the year		9/5/2014	<u>10/31/2016</u>	<i>Revised - Hurricane and flood info are listed as individual topics in the table</i>	<i>Lisa Foster</i> Betti Johnson

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Name of Event/Outreach	Description of Event/Outreach	Outreach Method	Target Audience	Target Message	Estimate of Population Reached	Date Entered on this Form	Date Last Reviewed/Updated	Last Review/Update Comment	Name of Person Who Last Reviewed/Updated
Pinellas County EM Website	Surviving the Storm Emergency Management Department	Website	County-wide	All messages addressed during the year		9/5/2014	10/31/2016	Revised - EM department has multiple pages, which are identified as separate items on this table	Lisa Foster Betti Johnson
Pinellas County EM Website	Hurricane Preparedness: Know Your Zone - look up evacuation levels, shelters, current evacuation information, by location	Website	County-wide	Know your risk; Prepare Ahead		9/5/2014	10/31/2016	Revised description: http://www.pinellascounty.org/emergency/knowyourzone.htm http://egis.pinellascounty.org/apps/knowyourzone/	Lisa Foster Betti Johnson
Pinellas County EM Website	Shelter Options Evacuation Map / Shelter list	Website	County-wide	Prepare Ahead; Make your Family/ Business Disaster Plan		9/5/2014	10/31/2016	Revised description: http://www.pinellascounty.org/emergency/shelteroptions.htm	Lisa Foster Betti Johnson
Pinellas County EM Website	Hurricane Preparedness: Información en Español	Website	Spanish Speaking Residents	Prepare Ahead; Make your Family/ Business Disaster Plan		9/5/2014	10/31/2016	No updates - Current: http://www.pinellascounty.org/emergency/spanish.htm	Lisa Foster Betti Johnson
Pinellas County EM Website	FEMA - Federal Emergency Management Agency	Website	County-wide	Insure your property for your hazard(s)		9/5/2014	10/31/2016		Lisa Foster Betti Johnson
Pinellas County EM Website	FEMA for Mobile Phones	Website	County-wide	Make your Family/ Business Disaster Plan		9/5/2014	10/31/2016		Lisa Foster Betti Johnson
Pinellas County EM Website	Healthcare Facilities Disaster Planning: Criteria, Statutes and Rules	Website	Health Care Facilities/ Business	Make your Family/ Business Disaster Plan		9/5/2014	10/31/2016	Revised description: http://www.pinellascounty.org/emergency/healthcare_facilities.htm	Lisa Foster Betti Johnson
Pinellas County EM Website	Hurricane Preparedness: How to Prepare Ahead	Website		Prepare Ahead; Make your Family/ Business Disaster Plan		9/5/2014	10/31/2016	Revised description: http://www.pinellascounty.org/emergency/prepareahead.htm	Lisa Foster Betti Johnson

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Name of Event/Outreach	Description of Event/Outreach	Outreach Method	Target Audience	Target Message	Estimate of Population Reached	Date Entered on this Form	Date Last Reviewed/Updated	Last Review/Update Comment	Name of Person Who Last Reviewed/Updated
Pinellas County EM Website	Hurricane Guide	Website	County-wide	All messages are addressed		9/5/2014	<u>10/31/2016</u>	No updates - Current: http://www.pinellascounty.org/emergency/allhazardguide.htm	Lisa FosterBetti Johnson
Pinellas County EM Website	Hurricane Video Library	Website	County-wide	Library includes a host of 15 minutes videos which provide disaster/ safety/mitigation "how-to" instruction		9/5/2014	<u>10/31/2016</u>	No updates - Current: http://www.pinellascounty.org/emergency/hurricane_videos.html	Lisa FosterBetti Johnson
Pinellas County EM Website	Hurricane Publications	Website/ Publications	County-wide	All messages are addressed		9/5/2014	<u>10/31/2016</u>	No updates - Current: http://www.pinellascounty.org/emergency/publications_links.html	Lisa FosterBetti Johnson
Pinellas County EM Website	Información en Español	Website/ Publications	Spanish Speaking Residents	All messages are addressed		9/5/2014	<u>10/31/2016</u>	No updates - Current: http://www.pinellascounty.org/emergency/publications_links.html	Lisa FosterBetti Johnson
Pinellas County EM Website	Public Shelter Options - Host Homes	Website	County-wide	Prepare Ahead: Make your Family/ Business Disaster Plan		9/5/2014	<u>10/31/2016</u>	No updates - Current: http://www.pinellascounty.org/emergency/hosthomes.htm	Lisa FosterBetti Johnson
Pinellas County EM Website	Pet Preparedness	Website	County-wide	Prepare Ahead: Make your Family/ Business Disaster Plan		9/5/2014	<u>10/31/2016</u>	No updates - Current: http://www.pinellascounty.org/emergency/petpreparedness.htm	Lisa FosterBetti Johnson
Pinellas County EM Website	Recovery	Website	County-wide	Public Safety Information (ex. Turn Around Don't Drown)		9/5/2014	<u>10/31/2016</u>	No updates - Current: http://www.pinellascounty.org/emergency/afterthe storm.htm	Lisa FosterBetti Johnson
Pinellas County EM Website	Sandbags	Website	County-wide	Protect your property from the hazard(s)		9/5/2014	<u>10/31/2016</u>	No updates - Current: http://www.pinellascounty.org/emergency/sandbags.htm	Lisa FosterBetti Johnson

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Name of Event/Outreach	Description of Event/Outreach	Outreach Method	Target Audience	Target Message	Estimate of Population Reached	Date Entered on this Form	Date Last Reviewed/Updated	Last Review/Update Comment	Name of Person Who Last Reviewed/Updated
Pinellas County EM Website	Special Needs Information	Website	Hurricane Vulnerable Seniors/Disabilities	<u>Prepare Ahead</u> : Make your Family/ Business Disaster Plan		9/5/2014	<u>10/31/2016</u>	<i>No updates - Current: http://www.pinellascounty.org/emergency/specialneeds.htm</i>	<i>Lisa Foster</i> Betti Johnson
Pinellas County EM Website	Transportation - traffic info	Website	County-wide	<u>Prepare Ahead</u> : Make your Family/ Business Disaster Plan		9/5/2014	<u>10/31/2016</u>	<i>No updates - Current: http://www.pinellascounty.org/emergency/afterthe storm.htm</i>	<i>Lisa Foster</i> Betti Johnson
Pinellas County EM Website	Learn about texting during emergencies	Website/ Social Media	County-wide	Emergency Communications/ Warning		9/5/2014	<u>10/31/2016</u>		<i>Lisa Foster</i> Betti Johnson
Pinellas County EM Website	Subscribe to <u>E-news</u> , Emergency News Service	Website/ Social Media/ Email	County-wide	Emergency Communications/ Warning		9/5/2014	<u>10/31/2016</u>	<i>Revised name: ongoing</i>	<i>Lisa Foster</i> Betti Johnson
<u>Pinellas County Social Media</u> Pinellas County EM Website	<u>Social media: Twitter, Facebook, Nextdoor</u> Sign Up for Twitter—Emergency Management	Website/ Social Media	County-wide	Emergency Communications/ Warning		9/5/2014	<u>10/31/2016</u>	<i>http://www.pinellascounty.org/emergency/stayconnected.htm</i>	<i>Irena Karolak</i> Betti Johnson
Pinellas County EM Website	Amateur Radio Operator Links	Website	County-wide	Emergency Communications		9/5/2014			<i>Betti Johnson</i>
Pinellas County EM Website	Weather Links	Website	County-wide	Know your risk		9/5/2014	<u>10/31/2016</u>	<i>No updates - Current: http://www.pinellascounty.org/emergency/weather.htm</i>	<i>Betti Johnson</i>
Media Partnerships	Sharing of data and Interviews including newspaper, television and radio	Interview	County-wide	All key messages are addressed throughout the year.		9/5/2014	<u>10/31/2016</u>	<i>No updates (ongoing)</i>	<i>Betti Johnson</i>
<u>Pinellas County Flood Information Website</u>	<u>Pages include: Build Smart, Flood Elevation Certificate, Flood Information- FAQ, Floodplain Protection, Flood Mitigation, Flood Insurance, Flood Maps & Zones, Flood Warning System/Notifications/Safety, Flood Resources/ Contacts/Publications</u>	<u>Website</u>	<u>County-wide</u>	<u>All key messages are addressed throughout the year.</u>		<u>10/31/2016</u>	<u>10/31/2016</u>	<i>Added</i>	<i>Lisa Foster</i>
<u>Pinellas County Flood Map Service Center</u>	<u>Flood Map Service Center searchable by address includes flood related information including: FEMA FIRM data, Storm surge, evacuation zones, National Wetland Inventory, Current Water Levels</u>	<u>Website</u>	<u>County-wide</u>	<u>All key messages are addressed throughout the year.</u>		<u>10/31/2016</u>	<u>10/31/2016</u>	<i>Added</i>	<i>Lisa Foster</i>
<u>Pinellas County Program for Public Information (PPI)</u>	<u>Flood related messages, target audiences, projects, and initiatives</u>	<u>Program</u>	<u>Unincorporated residents, includes some County-wide projects and initiatives</u>	<u>All key messages are addressed throughout the year, before, during and after flood or hurricane events</u>		<u>10/31/2016</u>	<u>10/31/2016</u>	<i>Added</i>	<i>Lisa Foster</i>

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Name of Event/Outreach	Description of Event/Outreach	Outreach Method	Target Audience	Target Message	Estimate of Population Reached	Date Entered on this Form	Date Last Reviewed/Updated	Last Review/Update Comment	Name of Person Who Last Reviewed/Updated
Sea Level Rise: What's Your Role?	Sea level rise and storm surge outreach and education	Community Event	Pinellas County community leaders	Educating community leaders on understanding risks associated with sea level rise and storm surge	50	12/12/2016	12/12/2016		Kelli Levy

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Table 7- 4: Municipal Outreach Matrix

Name of Event/Outreach	Description of Event/Outreach	Outreach Method	Target Audience	Target Message	Estimate of Population Reached	Date Entered on this Form	Date Last Reviewed/ Updated	Last Review/ Update Comments	Name of Person Who Made Entry/Last Update
Town of Belleair									
Belleair Beach									
Hurricane Newsletter	Mailed to all property owners in June 1 of each year	Mailing	All property owners	Protect your property from the hazard(s)	1,560	10/2/2014	8/16/2016		Nancy Gonzalez
Flood and Hurricane Awareness	Brochures are kept in magazine rack located in lobby	For residents coming in to the community center	All property owners	Protect your property from the hazard(s)	several hundred	10/2/2014	8/16/2016		Nancy Gonzalez
Flood Facts Brochure	Mailed to all property owners, Realtors, Mortgage Companies, Financial Institutions and Insurance Companies	Mailing	All property owners, Realtors, Mortgage Companies, Financial Institutions and Insurance Companies.	Flood Information	1,000	8/16/2016	8/16/2016		Nancy Gonzalez
Belleair Bluffs									
Post Disaster Consumer Tips	Publication	Brochure/ Publication	Municipality	Protect your property from the hazard(s)	2,200	10/2/2014			Robert David
Know Where You Grow	Publication	Brochure/ Publication	Municipality	Know your risk	2,200	10/2/2014			Robert David
Extreme Weather Info Sheet	Publication	Brochure/ Publication	Municipality	Protect your property from the hazard(s)	2,200	10/2/2014			Robert David
Surviving the Storm	Publication	Brochure/ Publication	County-wide	Insure your property for your hazard(s)	2,200	10/2/2014			Robert David
Belleair Area Neighborhood	Publication	Newsletter	Municipality	Protect natural functions (floodplain; habitat; etc.)	2,200	10/2/2014			Robert David
Belleair Bluffs	Publication	Newsletter	Municipality	Protect natural functions (floodplain; habitat; etc.)	2,200	10/2/2014			Robert David
Belleair Bluffs	Publication	Newsletter	Municipality	Protect natural functions (floodplain; habitat; etc.)	2,200	10/2/2014			Robert David
Belleair Bluffs	Publication	Newsletter	Municipality	Protect natural functions (floodplain; habitat; etc.)	2,200	10/2/2014			Robert David
Belleair Bluffs	Website/Publication	Social Media/ Email	Municipality	Protect your property from the hazard(s)	2,200	10/2/2014			Robert David
Belleair Shore									
Clearwater									
Repetitive Loss Area Letter	Sent to 1,251 residences in repetitive loss areas	Mailing	Repetitive Loss Area	Evaluating flood protection measures, flood insurance, be prepared, only rain down the drain, buy flood insurance, know your flood zone	3% of residences	10/4/2016	10/4/2016		Sarah Kessler

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Name of Event/Outreach	Description of Event/Outreach	Outreach Method	Target Audience	Target Message	Estimate of Population Reached	Date Entered on this Form	Date Last Reviewed/Updated	Last Review/Update Comments	Name of Person Who Made Entry/Last Update
My Clearwater Magazine – Flood Program article	Magazine article – mailed to residences and available at municipal buildings	Mailing					10/4/2016		Sarah Kessler
Handout	All residents	Know your flood risk, purchase flood insurance, register to receive warnings, Only Rain Down the Drain, get building permits, illegal dumping, make an emergency plan, how sea level rise affects your property	75% of residences	10/4/2016	Sarah Kessler		10/4/2016		Sarah Kessler
Extensive Social Media Posts	City post to several accounts on Facebook (City of Clearwater, Clearwater Police Department, Clearwater Fire and Rescue), Twitter (CLW Public Safety), and Instagram (ClearwaterPolice, ClearwaterFireRescue)	Social Media	All residents	Turn around don't drown, make a plan, Only Rain down the drain, prepare for the storm, protect your property	30% of residents	10/4/2016	10/4/2016		Sarah Kessler
Press release – Secure Chemicals before storm	Press release sent out to news agencies	Press release	All residents	Be prepared	10% of residents	10/4/2016	10/4/2016		Sarah Kessler
Sunshine Line article – Stream Dumping Regulations	Sunshine Lines is a utility stuffer, included with the bill.	Newsletter article	All residents	Only Rain Down the Drain	100% of residents	10/4/2016	10/4/2016		Sarah Kessler
Sunshine Lines article – Safe Storage During Storm Season	Sunshine Lines is a utility stuffer, included with the bill.	Newsletter article	All residents	Be prepared	100% of residents	10/4/2016	10/4/2016		Sarah Kessler
Sunshine Lines article – Keep Clearwater Bright and Beautiful	Sunshine Lines is a utility stuffer, included with the bill.	Newsletter article	All residents	Only Rain Down the Drain	100% of residents	10/4/2016	10/4/2016		Sarah Kessler
Sunshine Lines article – City Offers Flood Protection Assistance	Sunshine Lines is a utility stuffer, included with the bill.	Newsletter article	All residents	Protect property from flood damage	100% of residents	10/4/2016	10/4/2016		Sarah Kessler
Insurance brochure provided by Florida Department of Emergency Management	Two sided brochure available at City Hall, Municipal Service Building, Main Library, and Fire Station 45.	Brochure	All residents	Purchase flood insurance	5% of residents	10/4/2016	10/4/2016		Sarah Kessler
Flood Safety brochure provided by Florida Department of Emergency Management	Two sided brochure available at City Hall, Municipal Service Building, Main Library, and Fire Station 45.	Brochure	All residents	Be prepared, Turn around Don't Drown, Know your Hazard	5% of residents	10/4/2016	10/4/2016		Sarah Kessler
Flood Mitigation brochure provided by Florida Department of Emergency Management	Two sided brochure available at City Hall, Municipal Service Building, Main Library, and Fire Station 45.	Brochure	All residents	Protect floodplains and natural areas, protect dunes, Only Rain Down the Drain, Build responsibly	5% of residents	10/4/2016	10/4/2016		Sarah Kessler
Storm Drain markers	Storm drain markers are on every storm drain in the City. They are replaced as needed.	Sign	All residents	Only Rain Down the Drain	100% of residents	10/4/2016	10/4/2016		Sarah Kessler
Skycrest Neighborhood Association	Community Meeting	Area-Specific Meeting	Municipality	Public Safety Information (ex. Turn Around Don't Drown)	50	8/26/2014	10/4/2016		Scott Ehlers
Villas of Sunset Grove	Community Meeting	Area-Specific Meeting	Municipality	Public Safety Information (ex. Turn Around Don't Drown)	50	8/26/2014	10/4/2016		Scott Ehlers
Monthly EM Meetings	Emergency Management Meetings	Roundtable/Forum	Municipality	EM Coordination	25	8/26/2014	10/4/2016		Scott Ehlers
Hurricane Season Information	City Website Information	Website	Municipality	Know your risk	5,000	8/26/2014	10/4/2016		Scott Ehlers

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Surge Level Signs	Clearwater Beach Newsletter	Newsletter	Floodplain Residents	Public Safety Information (ex. Turn Around Don't Drown)	1,000	8/26/2014	10/4/2016		Scott Ehlers
Floodplain Management Information	City Website Information	Website	Municipality	Know your risk	5,000	8/26/2014	10/4/2016		Sarah Josuns
Flooding Information	City Website Information	Website	Municipality	Know your risk	5,000	8/26/2014	10/4/2016		Sarah Josuns
Flood Flyer	Inform about flood hazards	Mailing	Repetitive Loss Properties, Floodplain Residents, Insurance	Know your risk	14,980	8/26/2014	10/4/2016		Sarah Josuns
Flood Flyer	Inform about protective measures	Mailing	Repetitive Loss Properties, Floodplain Residents, Insurance	Public Safety Information (ex. Turn Around Don't Drown)	14,980	8/26/2014	10/4/2016		Sarah Josuns
Loss Mitigation	Utility newsletter	Mailing	Municipality	Make your Family/ Business Disaster Plan	49,000	8/26/2014	10/4/2016		Sarah Josuns
Dunedin									
Flood Awareness	Color 2-pg insert in Dunedin Beacon	Home delivery to all residents	Municipality	Informational	36,000	8/29/2014			Joan McHale
Map Information Services	Postcard	Mailing	Banks, Insurance, Realtors	Know your risk	148	8/29/2014			Joan McHale
Flood Preparation	Letter	Mailing	Facilities with flammable/toxic storage	Protect your property from the hazard(s)	30	8/29/2014			Joan McHale
Flood Preparation	Letter	Mailing	Realtors	Purchase of Flood Insurance	11	8/29/2014			Joan McHale
Repetitive Loss Information	Letter	Mailing	Repetitive Loss Properties	Informational	210	8/29/2014			Joan McHale
Website	On-going information on Flood Awareness	Website (Both Fire & Planning Dept)	Municipality	Informational	36,000	8/29/2014			Joan McHale
Flood Insurance Info	Meeting to discuss Flood Insurance	Community Event	Floodplain Residents	Insure your property for your hazard(s)	35	8/29/2014			Joan McHale
BRACE for the Storm	Internet based information	Advertised on City website	Municipality	Storm preparation	200	8/29/2014			Joan McHale
Flood zone lookup	Internet based information	Website - City GIS	Municipality	Know your risk	36,000	8/29/2014			Joan McHale
Website	Map determination revision notice	Website, Newspaper (Tampa Bay Times)	Bella Costa Condominiums/ Mediterranean Manor	LOMR for targeted area	300	8/29/2014			Joan McHale
Gulfport									
Annual Hurricane Seminar	Community venue	Community-wide event and later aired on GTV Channel 615	Municipality	Property and family protection from hazards	14,000	9/10/2014			Michael Taylor, AICP
Flood Hazard Information Brochure	Brochure insert with utility bills	Brochure/Publication	Municipality	Protect your property from the hazard(s)	11,400	9/10/2014			Michael Taylor, AICP
Flood Protection Newsletter	Separate mail out to all floodplain properties	Mailing	Floodplain Residents	Protect your property from the hazard(s)	8,400	9/10/2014			Michael Taylor, AICP
Flood Protection Newsletter	Separate mail out to all repetitive loss areas	Mailing	Repetitive Loss Areas	Protect your property from the hazard(s)	200	9/10/2014			Michael Taylor, AICP
Flood Protection Newsletter	Separate mail out to all repetitive loss properties	Mailing	Repetitive Loss Properties	Protect your property from the hazard(s)	30	9/10/2014			Michael Taylor, AICP

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Mail out to banks, insurance companies, real estate companies, & contractors located within the City	Letter focusing on available hazard information and City services for mitigation	Mailing	Businesses	Insure your property for your hazard(s)	1,000	9/10/2014			Michael Taylor, AICP
GTV Channel 615	Gulfport television station	Hazard protection television programming	Municipality	Hazard mitigation for property and family	14,000	9/10/2014			Michael Taylor, AICP
Storm surge high water mark signage	6 high water, storm surge markers placed in areas of known flooding throughout the City	Signage	Municipality	Know your risk	14,000	9/10/2014			Michael Taylor, AICP
Gulfport City Library	Hazard and mitigation reference materials, and FIRMs on-file for review	Books, brochures, information sheets, and FIRMs for patrons to review	Municipality	Property and family protection from hazards	14,000	9/10/2014			Michael Taylor, AICP
Gulfport website: www.mygulfport.us	Flood and hazard mitigation information	Website	Municipality	Build Responsibly	14,000	9/10/2014			Michael Taylor, AICP
Surviving The Storm	Distribution of publication in City facilities and Annual Hurricane Seminar	Publication	County-wide	Public Safety Information (ex. Turn Around Don't Drown)	14,000	9/10/2014			Michael Taylor, AICP
Public Outreach Strategy	City staff and residents participate on a committee focusing on outreach for hazard mitigation	Community Event	Municipality	Build Responsibly	14,000	9/10/2014			Michael Taylor, AICP
City staff site visits	City staff will meet with property owners upon request to assist with property hazard mitigation	Area-Specific Meeting	Municipality	Protect your property from the hazard(s)	8,400	9/10/2014			Michael Taylor, AICP
Annual LMS Report to City Council	City staff presents the annual LMS, floodplain management planning update to City Council	Presentation to Governing Body	Municipality	Comprehensive hazard risk identification and mitigation	14,000	9/10/2014			Michael Taylor, AICP
Indian Rocks Beach									
Indian Rocks Beach Neighborhood Newsletter	Flood Hazard Information in May 2014 issue published by Griffin Publications	Newsletter mailed to every address in IRB	Indian Rocks Beach residents and businesses	10 CRS Topics from 2007 CRS Manual covered. Serves as Activity 330 OPC	4,800	9/2/2014	9/26/2016		Joan Van Stone for Danny Taylor
Helpful Flood Hazard Information Mailer	Flood Hazard Information mailed annually to all address in IRB	Mailed to every address in IRB annually	Indian Rocks Beach residents and businesses	10 CRS Topics from 2007 CRS Manual covered. Serves as Activity 330 OPF	4,800	9/2/2014	9/26/2016		Joan Van Stone for Danny Taylor
Brochures in City Hall lobby	Numerous brochures related to flooding, natural benefits of floodplains, stormwater, etc.	Brochures for pick-up by visitors	Walk-in visitors to City Hall	10 CRS Topics from 2007 CRS Manual.		9/2/2014	9/26/2016		Joan Van Stone for Danny Taylor
Flood-related materials cataloged in IRB Library	Documents, booklets, brochures, etc. available at library	General Outreach	Indian Rocks Beach visitors to library	10 documents listed in 2013 CRS Manual and numerous other documents		9/2/2014	9/26/2016		Joan Van Stone for Danny Taylor
City of Indian Rocks Beach website	Flood information on City website	website	Indian Rocks Beach residents	10 CRS Topics from 2007 CRS Manual		9/2/2014	9/26/2016		Joan Van Stone for Danny Taylor

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Letters to Repetitive Loss Areas	Information mailed to properties in repetitive loss areas	mailing	repetitive loss properties identified by FEMA and neighboring properties susceptible to same flood hazards	Property Protection, Flood Hazard, flood safety, financial assistance	59	9/2/2014	9/26/2016		Joan Van Stone for Danny Taylor
Bi-monthly Indian Rocks Beach Times newsletter	Newsletter mailed to every addresses in City	mailing	Indian Rocks Beach residents and businesses	10 CRS Topics	4,800	9/2/2014	9/26/2016		Joan Van Stone for Danny Taylor
Indian Shores									
Brochures in City Hall	Numerous brochures related to the National Flood Insurance Program ² ,	Brochures/ Publications	Walk-in visitors to Town Hall	Preparation and awareness	1,423	9/16/2014			Michelle Tidwell
Town of Indian Shores website	2007 - 2008 Winter NFIP, CRS Update, Annual Progress Report 510, 2008 ³	Website	Indian Shores Residents	Preparation and awareness	1,423	9/16/2014			Michelle Tidwell
Hurricane Awareness Party	Guest Speakers: Meteorologist; Brian McClure from Bay News 9 and Pinellas County Emergency Management	Community Event	County-wide	Preparation and awareness	1,423	9/16/2014			Michelle Tidwell
Newsletter	Newsletter with flood information twice per year	Newsletter	Indian Shores Residents	Know your risk	2,500	9/16/2014			Michelle Tidwell
Kenneth City									
Largo									
Imperial Palms Hurricane Preparedness (6/11/14)	Neighborhood meeting to discuss hurricane preparedness	Community Event	Municipality	Risk Assessment/Preparation and Recovery Planning	100	8/20/2014	9/19/2016		Doug Swartz
Preparing Business for disasters and recovery (6/18/14)	Meet with Central Pinellas Chamber of Commerce to discuss steps for businesses to take for planning and preparation as well as recovery.	Roundtable/Forum	Businesses	Make your Family/Business Disaster Plan	200	8/20/2014	9/19/2016		Doug Swartz
HomeBanc Belleair (5/27/14)	Meeting with Business to discuss preparedness	Community Event	Business	Risk Assessment/Preparation and Recovery Planning	10	10/31/2014	9/19/2016		Betti Johnson
Royal Palms Hurricane Preparedness (6/24/14)	Neighborhood meeting to discuss hurricane preparedness	Community Event	Municipality	Risk Assessment/Preparation and Recovery Planning	250	8/20/2014	9/19/2016		Doug Swartz
Palm Hill MHP Hurricane Preparedness (6/18/14)	Neighborhood meeting to discuss hurricane preparedness	Community Event	Municipality	Risk Assessment/Preparation and Recovery Planning	150	8/20/2014	9/19/2016		Doug Swartz

² FEMA - Summary of Coverage, Flood preparation and Safety, Tips on handling your flood insurance coverage, Stormwater Hotline Magnets, Coping with the Flood Before During and After, Ready.gov, Stormwater pollution, Flood Insurance Claims Handbook, Condominium Coverage, Increased cost of Compliance Coverage, What you need to know about Federal Disaster Assistance and National Flood Insurance

³ 2008 FEMA Discount Policy Update, About National Flood Insurance, After the flood - What do we do now?, Choosing a Contractor, Coastal Flood Hazards, Coping with Flood, Drainage System Regulations, FEMA Update, Flood Damage Reduction, Flood Protection Information, Flood Protection Techniques, Managing Your Flood Insurance Claim, Plan, Prepare & Protect, Saving on Flood Insurance, Top 10 Facts Insurance Agents Should Know, Use NOAA Weather Radio, Who Needs Flood Insurance, Residential Condo Building Association Policy Covers More Condo Types, Evaluation Report on Town's Flood Management, Mandatory Purchase of Flood Insurance Requirement, 2009 Annual Progress Report 510, Things to Know About Flood Insurance, Town of Indian Shores Floodplain Management Plan, National Flood Insurance, Sample Insurance Rates

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Community Awareness Campaign (ongoing)	Video series links on City web site	Website	Municipality	Risk Assessment/Preparation and Recovery Planning		8/20/2014	9/19/2016		Doug Swartz
BRACE for the Storm (May 6, 2014)	Internet based workshop to provide homeowners with an understanding of how to make their home safe from the next Hurricane and other disaster that threaten Florida residents.	Community Event	Municipality	Protect your property from the hazard(s)	1,600	8/21/2014	9/19/2016		Johan Hendrickson
Annual Flood Mailing	Mail out to properties within the SFHA regarding risks, flood insurance benefits, natural and beneficial floodplains, development permit requirements and City of Largo Flood Zone map.	Mailing	Floodplain Residents	Know your risk	2,200	8/21/2014	9/19/2016		Johan Hendrickson
Largo Fire Open House	Open House to provide homeowners with an understanding of how to make their home safe from the next Hurricane and other disaster that threaten Florida residents.	Community Event	Municipality	Risk Assessment/Preparation and Recovery Planning	1500	10/31/2014	9/19/2016		Betti Johnson
Repetitive Loss Mailing	Mail out to Repetitive Loss properties within City regarding risks, flood insurance benefits, natural and beneficial floodplains, development permit requirements and City of Largo Flood Zone map.	Mailing	Repetitive Loss Properties	Know your risk	7	8/26/2014	9/19/2016		Johan Hendrickson
Central Pinellas Business Showcase	Business-to-Business and Business-to-Consumer Expo. Provided NFIP brochures.	Community Event	Businesses	Insure your property for your hazard(s)	1,500	8/26/2014	9/19/2016		Johan Hendrickson
Emergency Preparedness City of Largo Website	Preparation/Checklists/NHC Videos/Evacuation/Shelters/Pet Safety/Links to other Resources	Website	Municipality	Public Safety Information (ex. Turn Around Don't Drown)		8/26/2014	9/19/2016		Johan Hendrickson
Floodplains: City of Largo Website	Terms & Definitions/Links to Resources/CRS Annual Floodplain Management Plan Update/FEMA link to FIRM's/View Elevation Certificates online	Website	Municipality	Protect your property from the hazard(s)		8/26/2014	9/19/2016		Johan Hendrickson
Guide	2014 Pinellas County Hurricane Guide	Brochure/ Publication	Municipality	All-Hazard Preparedness, Recovery Guide		8/26/2014	9/19/2016		Johan Hendrickson
Flood: Are You Protected From The Next Disaster?	FEMA/NFIP Brochure- Flood Insurance	Brochure/ Publication	Municipality	Insure your property for your hazard(s)		8/27/2014	9/19/2016		Johan Hendrickson
NFIP/CRS Saving: Lives, Property, Money	NFIP/CRS Brochure - What is NFIP, CRS? Community participation and benefits of CRS.	Brochure/ Publication	Municipality	Insure your property for your hazard(s)		8/27/2014	9/19/2016		Johan Hendrickson
Annual Lakes & Ponds Education Day (April 12, 2014)	Workshop for volunteers and citizens interested in the health and management of our water resources, specifically community lakes and stormwater ponds. (67 participants)	Community Event	County-wide	Protect natural functions (floodplain; habitat; etc.)		8/27/2014	9/19/2016		Johan Hendrickson
Stress Relievers - Hurricane Recovery Focus (May 20, 2015)	Condo Association Managers Luncheon	Community Event	Condominium Management	Disaster Recovery	20	9/19/2016	9/19/2016		David Mixson
Largo Annual Hurricane Expo (May 28, 2015)	Workshop followed by an ask the experts panel	Live presentation	Largo residents and business owners	Hurricane Preparedness	25 Citizens	9/19/2016	9/19/2016		David Mixson

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National Hurricane Week	Educational outreach utilizing Ready.gov	Social Media (Facebook and Twitter)	Citywide	Hurricane Preparedness	Unlimited	9/19/2016	9/19/2016		David Mixson
Emergency Management for Businesses (June 1, 2015)	Information letter sent to all city businesses from EM	Direct Mailing	Largo Business	Emergency Management	4,000	9/19/2016	9/19/2016		David Mixson
Largo V News (2015 Hurricane Season)	Video clips recorded for citizen access on city website	www.largo.com	Citywide	Hurricane Preparedness	Unlimited	9/19/2016	9/19/2016		David Mixson
Hurricane Preparation	Educational outreach	Community presentation	Imperial Palms Residents	Hurricane Preparedness	44	9/19/2016	9/19/2016		David Mixson
Largo Fire Rescue Open House (October 17, 2015)	Informational display staffed by EM professionals. Handouts provided	Community Event	Largo residents	Disaster Preparedness	2,500	9/19/2016	9/19/2016		David Mixson
Largo Small Business event (November 4, 2015)	Informational display staffed by EM professionals. Handouts provided.	Community Event	Largo Businesses	Disaster Plan for Business	20	9/19/2016	9/19/2016		David Mixson
Active Shooter Awareness (December 21, 18 2015)	Information provided and mini tent card for Active Shooter event	City Bulletin (Electronic)	City of Largo Employees	Active Shooter Training	800	9/19/2016	9/19/2016		David Mixson
Emergency Management Updates/News and Notice Items (Feb 08, 2016-Sep. 19 2016) Continuously Updated	Educational Outreach via web links infographics, and videos.	www.largo.com	Largo Residents-City Wide	El Nino Zika Awareness Alert Pinellas Hurricane Prep Floods Heatstroke National Prep Month	1,606	9/19/16	9/19/16		Summer Mahr
Facebook/Twitter outreach (Feb 08, 2016-Sep. 19 2016) Continuously Updated	Educational Outreach via web links, infographics, and videos.	Facebook Twitter	County-Wide	El Nino Alert Pinellas Zika Hurricane Prep Heatstroke Floods National Prep Month	20,949	9/19/16	9/19/16		Summer Mahr
Hurricane Preparation Public Education (April 17, 2016)	Educational outreach	Community presentation	Ranch MHP	Hurricane Preparedness	45	9/19/16	9/19/16		Summer Mahr
Hurricane Preparation (May 6, 2016)	Educational outreach	Community presentation	Imperial Palms Residents	Hurricane Preparedness	50	9/19/16	9/19/16		Summer Mahr
Hurricane Preparation Public Education (May 10, 2016)	Educational outreach	Community presentation	Teakwood East	Hurricane Preparedness	100	9/19/16	9/19/16		Summer Mahr
Largo Annual Hurricane Expo (May 26, 2016)	Educational outreach/Workshop followed by ask the expert panel	Community presentation	Largo Residents and Business Owners-at Largo Public Library	Hurricane Preparedness	50	9/19/16	9/19/16		Summer Mahr
Hurricane Preparation Public Education (May 27, 2016)	Educational outreach	Community presentation	Pinellas Heights	Hurricane Preparedness	20	9/19/16	9/19/16		Summer Mahr
Hurricane Preparation Public Education (June 7, 2016)	Educational outreach	Community presentation	Teakwood West	Hurricane Preparedness	80	9/19/16	9/19/16		Summer Mahr
Hurricane Preparation Public Education (June 18, 2016)	Educational outreach	Community presentation	Oak Crest MHP	Hurricane Preparedness	60	9/19/16	9/19/16		Summer Mahr

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Hurricane Preparation Public Education (June 22, 2016)	Educational outreach	Community presentation	Pelican Place Condos	Hurricane Preparedness	20	9/19/16	9/19/16		Summer Mahr
Hurricane Preparation Public Education (June 30, 2016)	Educational outreach	Community presentation	The Barrington	Hurricane Preparedness	25	9/19/16	9/19/16		Summer Mahr
Hurricane Preparation Public Education (Sep. 14, 2016)	Educational outreach	Community presentation	Four Seasons	Hurricane Preparedness	40	9/19/16	9/19/16		Summer Mahr
Hurricane Door Hanger Project Aug-Present (continuous project)	Educational Door hanger	Canvas of door hangers to residents in different evacuation zones (starting with "A")	City Residents	Hurricane Preparedness	5000	9/19/16	9/19/16		Summer Mahr
Pinellas County All Hazards Guide Distribution	Educational Newspaper Guide	Various Educational Outreach Events and Expos	City Residents	Hurricane Preparedness	800	9/19/16	9/19/16		Summer Mahr
Madeira Beach									
Annual "Flood Facts" Full Page Ad in Beach Beacon Newspaper	Newspaper Outreach Citywide	Delivered to every home and business in Madeira Beach. Extras in racks around town.	Citywide and rest of Beach Beacon circulation area. Residents and visitors.	Protect your property from the hazard(s)	4,300	9/19/2014	9/19/2016		Lynn Rosetti Michelle Orton
FEMA FMA 2014-2016 Grant Cycle Outreach	Outreach meeting with State DEM to encourage FMA grant applications for Severe and Repetitive Loss Properties.	Delivered to every home and business in Madeira Beach. Extras in racks around town.	Cities of Madeira Beach and Redington Beach - owners of property.	Outreach to encourage and assist owners of vulnerable properties in seeking FMA Grants.	7,500	9/19/2014	9/19/2016		Michelle Orton Lynn Rosetti
The Wave - Newsletter	Quarterly City Newsletter - Various Articles	Delivered to every home and business in Madeira Beach. Extras in racks around town. Posted on City Website. Mailed to seasonal residents upon request.	Citywide - owners of property, residents, visitors.	Varied - CRS, NPDES, Drainage and Stormwater repairs, Flooding Issues, Stormwater Runoff, for example.	4,300	9/19/2014	9/19/2016		Michelle Orton Lynn Rosetti
Letters to owners of properties within repetitive loss areas.	Annual outreach. Education and where to go for more information.	USPS - First Class Mail	Owners of property that is located within areas of high risk of flooding.	Insure your property for your hazard(s)	4,300	9/19/2104	9/19/2016		Michelle Orton Lynn Rosetti
Letters to lenders and insurance agents regarding Madeira Beach and Flood Insurance.	Annual outreach. Educational and where to go for more information.	USPS - First Class Mail	Lenders and Insurance agents letting them know about Madeira Beach's efforts relative to special flood hazard areas.	Insure your property for your hazard(s)	4,300	9/19/2014	9/19/2016		Michelle Orton Lynn Rosetti
Hurricane Workshop by the MB Fire Department	Annual outreach. Education on where to go and what to do during a tropical event.	Posted on City Website, bulletin board and flyers are placed in racks around town.	Owners of property that is located within areas of high risk of flooding.	Flooding issues, emergency preparedness, and evacuation. Access to property after the event.	4,300	10/06/2016	10/06/2016		Michelle Orton

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Flyers – A Guide to Flood Mitigation	Informational flyers	Displayed in (5) public locations around town.	All residents in high risk flooding and tourist.	What is Mitigation. Build responsibly and protect Natural Floodplain Resources	4,300	10/06/2016	10/06/2016		Michelle Orton
Flyers – Did you know homeowner’s insurance does not cover a flood?	Informational flyers	Displayed in (5) public locations around town	All residents in high risk flooding and tourists.	Did you know homeowner’s insurance does not cover a flood? Insure your property against flooding.	4,300	10/06/2016	10/06/2016		Michelle Orton
Flyers – A guide to flood safety.	Informational flyers	Displayed in (5) public locations around town	All residents in high risk flooding and tourists	A guide to flood safety. Know your hazard. Turn around, don’t drown. Flood watch vs. flood warning. flood safety tips.	4,300	10/06/2016	10/06/2016		Michelle Orton
Education at local school	Annual outreach. Presenting students with information regarding flooding and natural disasters.	Displayed on schools outside reader board, city website, city reader board, schools website and flyers at the school.	All students in high risk flooding.	Flooding, natural disasters, how to stay safe, Turn around don’t drown. How to stay safe and what to do and what not to do during a natural disaster		10/06/2016	10/06/2016		Michelle Orton
North Redington Beach									
NRB News	Annual Newsletter	Mailing	Municipality	Protect your property from the hazard, know your risk, insure your property, public safety information, build responsibility, protect natural functions, make your family/ business disaster plan, hurricane information	1,150	8/20/2014			Renee Schmader
You live in a Special Flood Hazard Area	Annual Flyer	Mailing	Municipality	Protect your property from the hazard, know your risk, insure your property, public safety information, build responsibility, protect natural functions, make your family/ business disaster plan, hurricane information	1,150	8/20/2014			Renee Schmader

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Town Website	Website	Website	Municipality	Protect your property from the hazard, know your risk, insure your property, public safety information, build responsibility, protect natural functions, make your family/business disaster plan, hurricane information	1,150	8/20/2014			Renee Schmader
After the Flood	Door Flyer	Hand Delivery after a flood event	Municipality	Protect your property from the hazard, know your risk, insure your property, public safety information, build responsibility, protect natural functions, make your family/business disaster plan, hurricane information.	1,150	8/20/2014			Renee Schmader
Oldsmar									
Building permit brochure with SFHA map	Information for construction within the SFHA	Brochure/Publication	Floodplain Residents	Build Responsibly	8,500	10/16/2014	10/31/2016		Steven Everitt
Surviving the Storm - Pinellas County Hurricane Guide	Hurricane Guide available at City facilities	Brochure/Publication	County-wide	Public Safety Information (ex. Turn Around Don't Drown)	920,000	10/16/2014	10/31/2016		Steven Everitt
Tampa Bay Times Hurricane Guide	Hurricane Guide printed in newspaper	Brochure/Publication	County-wide	Public Safety Information (ex. Turn Around Don't Drown)	920,000	10/16/2014	10/31/2016		Steven Everitt
Flood information in Community News	Hurricane Guide printed in newspaper	Brochure/Publication	Residents in North County	Public Safety Information (ex. Turn Around Don't Drown)	50,000	10/16/2014	10/31/2016		Steven Everitt
Storm Surge Banner	Storm Surge banner hanging in Library	Visible to Library patrons	Municipality	Know your risk	112,335	10/16/2014	10/31/2016		Steven Everitt
Flood information links on website	Links to flood information such as FEMA and Pinellas County	Website	Municipality	Protect your property from the hazard(s)	14,000	10/16/2014	10/31/2016		Steven Everitt
Flood Zone Map Flyer	Map of the flood zones in the City	Mailing	Floodplain Residents	Know your risk	8,500	10/16/2014	10/31/2016		Steven Everitt
Mandatory Purchase of Insurance Flyer	Information about who is obligated under law to purchase flood insurance	Mailing	Floodplain Residents	Insure your property for your hazard(s)	8,500	10/16/2014	10/31/2016		Steven Everitt
Flood flyers included in utility bill	Flood zone map flyer and mandatory insurance flyer	Mailing	Municipality	Insure your property for your hazard(s)	14,000	10/16/2014	10/31/2016		Steven Everitt
Code Red notice on utility bills	Service that notifies residents of disaster warnings	Mailing	Municipality	Public Safety Information (ex. Turn Around Don't Drown)	14,000	10/16/2014	10/31/2016		Steven Everitt
NOAA Extreme Weather information sheet	Information about extreme weather	Brochure/ Publication	Municipality	Public Safety Information (ex. Turn Around Don't Drown)	14,000	10/16/2014	10/31/2016		Steven Everitt

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Hurricane Season signs on Welcome to Oldsmar signs	Signs placed so motorists know it is hurricane season	Signage	Motorists	Make your Family/ Business Disaster Plan	70,000	10/16/2014	10/31/2016		Steven Everitt
Hurricane planning sign on City Hall sign	Sign placed for motorists to remind them to get an evacuation plan	Signage	Motorists	Make your Family/ Business Disaster Plan	55,000	10/16/2014	10/31/2016		Steven Everitt
Hurricane season notice in Oldsmar Community Online News	General hurricane season begins information	Newsletter	Municipality	Public Safety Information (ex. Turn Around Don't Drown)	20,000	10/16/2014	10/31/2016		Steven Everitt
Information distributed through Upper Tampa Bay Chamber of Commerce	Hurricane information given to business owners	Newsletter	Businesses	Make your Family/ Business Disaster Plan	350	10/16/2014	10/31/2016		Steven Everitt
Elevation Certificates on website	All available elevation certificates on website for download	Website	Floodplain Residents	Build Responsibly	8,500	10/16/2014	10/31/2016		Steven Everitt
Letter sent to all lenders in City	Flood zone map flyer and mandatory insurance flyer included	Mailing	Lending	Know your risk	8	10/16/2014	10/31/2016		Steven Everitt
Letter sent to all real estate agents in City	Flood zone map flyer and mandatory insurance flyer included	Mailing	Real Estate Agents	Know your risk	42	10/16/2014	10/31/2016		Steven Everitt
Letter sent to all insurance companies doing business in the City	Flood zone map flyer and mandatory insurance flyer included	Mailing	Insurance	Insure your property for your hazard(s)	200	10/16/2014	10/31/2016		Steven Everitt
Citizens Academy	Floodplain presentation to students participating in Citizens Academy	In-person	City Residents	Know your risk	23	10/31/2016	10/31/2016		Steven Everitt
Pinellas Park									
Country in the Park	Annual Music Festival and Business Exposition. City distributes about 1,000 brochures annually at this event.	Community Event	County-wide	Protect your family and property from the hazard(s) and to buy insurance	9,000	3/15/2014	10/04/2016		R.G. Bray, Jr.
Floodwatch	Annual city-wide outreach to ALL businesses and residences in the community by placing and delivering 20,000 inserts into the Pinellas Park Beacon AND placement in newsstands. Done In cooperation with the local newspaper the delivery of a 4 page newspaper insert with color evacuation map.	In cooperation with the local newspaper the delivery of a 4 page newspaper insert with color evacuation map.	Municipality	Target message was regarding FLOOD, but the publication also addressed Storm Surge, Hurricane, and pollution of waterways (dumping of trash and chemicals) and to buy insurance	City Population is 50,393	5/1/2014	10/04/2016		R.G. Bray, Jr.
SFHA Mailing	Mailing of a letter and a Tip Sheet regarding living within a SFHA	Mailing	Floodplain Residents	Know your hazard (flood) and to consider insurance	2,100	6/1/2014	10/04/2016		R.G. Bray, Jr.
RLA Mailing	Mailing of a letter and a Tip Sheet regarding living within a RLA	Mailing	Repetitive Loss Properties	Know your hazard (flood) and to consider insurance	850	6/1/2014	10/04/2016		R.G. Bray, Jr.
Preparing your home before a disaster strikes	Provided 440 copies of this document to South Pasadena	Community Event	Municipality	Protect your property from the hazard(s)	440	5/1/2014	10/04/2016		R.G. Bray, Jr.
Preparing your home before a disaster strikes	Provided 660 copies of this document to Oldsmar	Community Event	Municipality	Protect your property from the hazard(s)	660	5/1/2014	10/04/2016		R.G. Bray, Jr.

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Prepare to Survive: The Four Hurricane Hazards Preparing your car for Hurricane Season	Video	Website	Municipality	Protect your property from the hazard(s)	City website experiences about 389,000 hits annually	10/04/2016 8/14/2014	10/04/2016		R.G. Bray, Jr. C.W. Porter
Prepare to Survive: It's Not All Sunshine Hurricane Season 2014	Video	Website	Municipality	Know your risk	City website experiences about 389,000 hits annually	10/04/2016 8/14/2014	10/04/2016		C.W. Porter R.G. Bray, Jr.
Prepare to Survive: Generator Tips Home Preparedness	Video	Website	Municipality	Protect your property from the hazard(s)	City website experiences about 389,000 hits annually	10/04/2016 8/14/2014	10/04/2016		C.W. Porter R.G. Bray, Jr.
Preparing your boat for hurricanes	Video	Website	Municipality	Protect your property from the hazard(s)	City website experiences about 389,000 hits annually	8/14/2014	10/04/2016		R.G. Bray, Jr.
Prepare to Survive: Build Your Own Survival Kit how to build a survival kit	Video	Website	Municipality	Protect your family	City website experiences about 389,000 hits annually	10/04/2016 8/14/2014	10/04/2016		C.W. Porter R.G. Bray, Jr.
hurricanes for kids part 1 Hurricanes for Kids	Video	Website	Parents & Families	Protect your family	City website experiences about 389,000 hits annually	10/04/2016 8/14/2014	10/04/2016		C.W. Porter R.G. Bray, Jr.
Prepare to Survive: The Helping Plan hurricanes for kids part 2	Video	Website	Parents & Families	Protect your family	City website experiences about 389,000 hits annually	10/04/2016 8/14/2014	10/04/2016		C.W. Porter R.G. Bray, Jr.
Prepare to Survive - Pinellas Prepares	Video	Website	Municipality	Know your risk	City website experiences about 389,000 hits annually	8/14/2014	10/04/2016		R.G. Bray, Jr.
Prepare to Survive - 2013 Insurance	Video	Website	Insurance	Insure your property for your hazard(s)	City website experiences about 389,000 hits annually	8/14/2014	10/04/2016		R.G. Bray, Jr.
Prepare to Survive - 2013 Special Needs Evacuation Program	Video	Website	Special Needs	Know your risk	City website experiences about 389,000 hits annually	10/04/2016 8/14/2014	10/04/2016		C.W. Porter R.G. Bray, Jr.
Prepare to Survive - Sandbags and Window Taping Strikes Out	Video	Website	Municipality	Protect your property from the hazard(s)	City website experiences about 389,000 hits annually	10/04/2016 8/14/2014	10/04/2016		C.W. Porter R.G. Bray, Jr.
Prepare to Survive - Business Storm Survival	Video	Website	Municipality	Make your Family/ Business Disaster Plan	City website experiences about 389,000 hits annually	8/14/2014	10/04/2016		R.G. Bray, Jr.

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Prepare to Survive - Landscape Preparation	Video	Website	Municipality	Protect your property from the hazard(s)	City website experiences about 389,000 hits annually	8/14/2014	10/04/2016		R.G. Bray, Jr.
Prepare to Survive - Pet Preparedness	Video	Website	Municipality	Protect your family	City website experiences about 389,000 hits annually	8/14/2014	10/04/2016		R.G. Bray, Jr.
Prepare to Survive - Power Outages	Video	Website	Municipality	Protect your property from the hazard(s)	City website experiences about 389,000 hits annually	8/14/2014	10/04/2016		R.G. Bray, Jr.
Prepare to Survive - Hardening Shuttering Your Home	Video	Website	Municipality	Protect your property from the hazard(s) Protect natural functions (floodplain; habitat; etc.)	City website experiences about 389,000 hits annually	10/04/2016 8/14/2014	10/04/2016		C.W. Porter R.G. Bray, Jr.
Understanding Storm Surge Protector Web Tool	Video	Website	Municipality	Know your risk	City website experiences about 389,000 hits annually	10/04/2016 8/14/2014	10/04/2016		C.W. Porter R.G. Bray, Jr.
Hurricanes Part 1 101 (Espanol)	Video	Website	Spanish Speaking Residents	Know your risk	City website experiences about 389,000 hits annually	10/04/2016 8/14/2014	10/04/2016		C.W. Porter R.G. Bray, Jr.
Hurricanes Part 2 Get Ready, FL (Espanol)	Video	Website	Spanish Speaking Residents	Know your risk	City website experiences about 389,000 hits annually	10/04/2016 8/14/2014	10/04/2016		C.W. Porter R.G. Bray, Jr.
Esta Preparado Hurricanes Part 3 (Espanol)	Video	Website	Spanish Speaking Residents	Know your risk	City website experiences about 389,000 hits annually	10/04/2016 8/14/2014	10/04/2016		C.W. Porter R.G. Bray, Jr.
How to read Flood Maps	Information Link	Website	Municipality	Insure your property for your hazard(s)	City website experiences about 389,000 hits annually	8/14/2014	10/04/2016		R.G. Bray, Jr.
Elevation Certificates and other Forms	Information Link	Website	Municipality	Insure your property for your hazard(s)	City website experiences about 389,000 hits annually	8/14/2014	10/04/2016		R.G. Bray, Jr.
Mandatory Insurance Purchase	Information Link	Website	Insurance	Insure your property for your hazard(s)	City website experiences about 389,000 hits annually	8/14/2014	10/04/2016		R.G. Bray, Jr.
Look Up your Flood Zone	Information Link	Website	Municipality	Protect your property from the hazard(s)	City website experiences about 389,000 hits annually	8/14/2014	10/04/2016		R.G. Bray, Jr.

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Flood Terms	Information Link	Website	Municipality	Know your risk	City website experiences about 389,000 hits annually	8/14/2014	10/04/2016		R.G. Bray, Jr.
Illegal Dumping	Information Link	Website	Municipality	Protect natural functions (floodplain; habitat; etc.)	City website experiences about 389,000 hits annually	8/14/2014	10/04/2016		R.G. Bray, Jr.
The NFIP Status Book	Information Link	Website	Municipality	Know your risk	City website experiences about 389,000 hits annually	8/14/2014	10/04/2016		R.G. Bray, Jr.
Grandfathering Rule	Information Link	Website	Municipality	Insure your property for your hazard(s)	City website experiences about 389,000 hits annually	8/14/2014	10/04/2016		R.G. Bray, Jr.
FloodSmart. Gov	Information Link	Website	Municipality	Know your risk	City website experiences about 389,000 hits annually	8/14/2014	10/04/2016		R.G. Bray, Jr.
Evacuation Zones	Information Link	Website	County-wide	Know your risk	City website experiences about 389,000 hits annually	8/14/2014	10/04/2016		R.G. Bray, Jr.
Change my flood Zone Designation	Information Link	Website	Municipality	Insure your property for your hazard(s)	City website experiences about 389,000 hits annually	8/14/2014	10/04/2016		R.G. Bray, Jr.
Hurricanes and Tropical Storms	Information Link	Website	Municipality	Know your risk	City website experiences about 389,000 hits annually	8/14/2014	10/04/2016		R.G. Bray, Jr.
Thunderstorms \$ Lightning	Information Link	Website	Municipality	Know your risk	City website experiences about 389,000 hits annually	8/14/2014	10/04/2016		R.G. Bray, Jr.
Tornadoes	Information Link	Website	Municipality	Know your risk	City website experiences about 389,000 hits annually	8/14/2014	10/04/2016		R.G. Bray, Jr.
Pinellas Park Home Depot Home Preparedness Event	One of the Home Depot periodic educational events to bring first responders and citizens together. The City is participating and have allocated 300 Home Preparedness for distribution.	Community Event	Municipality	Protect your property from the hazard(s)	City population is about 52,497	10/3/2016	10/3/2016		C.W. Porter

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Hurricane Week	Chamber of Commerce Meeting	Business Event	Pinellas Park Business Owners/Chamber Members	Make your Business Disaster Plan: 50 coozies and speech; delivered 25 coozies to Chamber	50 members in attendance	10/3/2016	10/3/2016		C.W. Porter
Senior Center (June 3)	Becoming Storm Savvy	Lunch and Learn	Seniors	Storm Preparedness	40 seniors	10/3/2016	10/3/2016		C.W. Porter
Hurricane Expo at Home Depot (June 4)	City Emergency Management, Fire, Police and others such as American Red Cross had booths and demonstrations	Children's Workshop. Booth with handouts and laptop with links to Emergency Topics.	General Public	Storm Preparedness and Evacuation Plans	250 persons	10/3/2016	10/3/2016		C.W. Porter
FDEM	Information Link	Website	Municipality	Storm Preparedness		10/3/2016	10/3/2016		C.W. Porter
Chamber of Commerce Meeting	Chamber of Commerce Meeting	Speech: Hazards After the Storm	Pinellas Park Business Owners/ Chamber Members	Handed out Attention: Floodzone Property Owner	Chamber of Commerce Meeting	10/3/2016	10/3/2016		C.W. Porter
Presentation to Clearwater Cascade MHP	Presentation by Suzanne Boisvert and CW Porter including floodplain maps and Q and A session.	Quarterly Safety Education Meeting	HOA	Protect your family and property from the hazard(s) and to buy insurance	35 attendees	10/3/2016	10/3/2016		C.W. Porter
Deliver Brochures to Clearwater Cascade MHP	Deliver 805 brochures on a variety of topics on flood, hurricane and disaster preparedness	Quarterly Safety Education Meeting	HOA	Protect your family and property from the hazard(s) and to buy insurance	HOA Library available to all MHP residents	10/3/2016	10/3/2016		C.W. Porter
National Night Out Event	A local educational event to bring first responders and citizens together. The City is participating and has distributed 600 (2015) and 1156 (2016) flood and emergency preparedness brochures at the event.	Community Event	Municipality	Protect your property from the hazard(s)	City population is about 52,497	10/3/2016	10/3/2016		C.W. Porter
Florida Business Disaster Survival Kit	Information Link	Website	Business Owners	Protect your business from hazards	City website experiences about 389,000 hits annually	10/3/2016	10/3/2016		C.W. Porter
Flood Mitigation Assistance (DEM)	Information Link	Website	Municipality	Protect your property from hazard(s)	City website experiences about 389,000 hits annually	10/3/2016	10/3/2016		C.W. Porter

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Floodplain Management Ordinance	Information Link	Website	Municipality	Protect your property from hazard(s)	City website experiences about 389,000 hits annually	10/3/2016	10/3/2016		C.W. Porter
Emergency Phone Numbers and Websites	Information Link	Website	Municipality	Protect your family and property from hazard(s)	City website experiences about 389,000 hits annually	10/3/2016	10/3/2016		C.W. Porter
Flood Insurance Advocate Program	Information Link	Website	Municipality	Protect your property from hazard(s)	City website experiences about 389,000 hits annually	10/3/2016	10/3/2016		C.W. Porter
Homeowners Flood Insurance Affordability Act of 2014	Information Link	Website	Municipality	Protect your property from hazard(s)	City website experiences about 389,000 hits annually	10/3/2016	10/3/2016		C.W. Porter
Sand Bag Pick-Up Locations	Information Link	Website	Municipality	Protect your property from hazard(s)	City website experiences about 389,000 hits annually	10/3/2016	10/3/2016		C.W. Porter
Power Outage Map	Information Link	Website	Municipality	Protect your family and property from hazard(s)	City website experiences about 389,000 hits annually	10/3/2016	10/3/2016		C.W. Porter
E-Alerts and Staying Connected	Information Link	Website	Municipality	Protect your family and property from hazard(s)	City website experiences about 389,000 hits annually	10/3/2016	10/3/2016		C.W. Porter
NOAA	Information Link	Website	Municipality	Storm Preparedness	City website experiences about 389,000 hits annually	10/3/2016	10/3/2016		C.W. Porter
FEMA	Information Link	Website	Municipality	Hazard, mitigation and flood map information	City website experiences about 389,000 hits annually	10/3/2016	10/3/2016		C.W. Porter
Emergency Preparedness Checklist	Information Link	Website	Municipality	Protect your family and property from hazard(s)	City website experiences about 389,000 hits annually	10/3/2016	10/3/2016		C.W. Porter
Checklist for People with Mobility Problems	Information Link	Website	People with Mobility Problems	Protect your family from hazard(s)	City website experiences about 389,000 hits annually	10/3/2016	10/3/2016		C.W. Porter
Your Family Disaster Plan	Information Link	Website	Municipality	Protect your family from hazard(s)	City website experiences about 389,000 hits annually	10/3/2016	10/3/2016		C.W. Porter

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Family Disaster Supply Kit	Information Link	Website	Municipality	Protect your family from hazard(s)	City website experiences about 389,000 hits annually	10/3/2016	10/3/2016		C.W. Porter
Food And Water in an Emergency	Information Link	Website	Municipality	Protect your family from hazard(s)	City website experiences about 389,000 hits annually	10/3/2016	10/3/2016		C.W. Porter
Disaster Preparedness Coloring Book	Information Link	Website	Parents and Children	Protect your family from hazard(s)	City website experiences about 389,000 hits annually	10/3/2016	10/3/2016		C.W. Porter
Emergency Guide for Business and Industry	Information Link	Website	Commercial and Industrial Firms	Protect your employees and property from hazard(s)	City website experiences about 389,000 hits annually	10/3/2016	10/3/2016		C.W. Porter
Surviving the Storm	Information Link	Website	Municipality	Protect your family and property from hazard(s)	City website experiences about 389,000 hits annually	10/3/2016	10/3/2016		C.W. Porter
Avoiding Flood Damage	Information Link	Website	Municipality	Protect your property from hazard(s)	City website experiences about 389,000 hits annually	10/3/2016	10/3/2016		C.W. Porter
Avoiding Hurricane Damage	Information Link	Website	Municipality	Protect your property from hazard(s)	City website experiences about 389,000 hits annually	10/3/2016	10/3/2016		C.W. Porter
Redington Beach									
Quarterly Newsletter	Workshops	Town Website / Newsletter	Residents	Protect your property from the hazard(s)	1,427 - per 2010 census	14th August 2014	8/19/2016		Andrea Gamble
Redington Shores									
Town of Redington Shores Hurricane preparedness video conference	Video teleconference-broadcast with community	Webinar/E-Town Hall Meeting	Floodplain Residents	Make your Family/ Business Disaster Plan	2,500	8.25/2014	8/30/2016		Brad Dykens
Annual Newsletter	Newsletter with flood info 2X per year	Distributed by local paper to all residents	Town residents	What Town residents should know about flood ins. & safety	2,200	8/25/2014	8/30/2016		Patti Herr Traci Cain
Repetitive loss letters	Letters to all property owners in flood area (twice a year)	Individual mailings	residents in areas where floods occurred	Contact town with mitigation or grant requests	600	8/25/2014	8/30/2016		Patti Herr Steve Andrews
Hurricane Table	Table of over 50 Informative Brochures	Table set up in lobby during Hurricane season	Anyone who enters town hall	Preparation for, awareness of, mitigation, insurance for flood events	1,000	8/25/2014	8/30/2016		Patti Herr Steve Andrews
Letters to Realtors, Insurance agents	Letter and insert informing local realtors and insurance agents about town's help	Individual mailings to local agents, realtors	clients of these realtors & agents	Town's assistance available to new clients or buyers	unknown	8/25/2014	8/30/2016		Steve Andrews Patti Herr

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Revising Website Flood Pages	Website Flood Info: "Brace for the Storm"	Link to "Brace for the Storm" Workshop by City of Largo	any interested residents	Preparation for hurricanes	unknown	8/25/2014	8/30/2016		Steve AndrewsPatti Herr
Town Hall Flood/Hurricane Preparation Table-	During Hurricane Season, a table is set in our lobby offering guides, brochures, fliers, etc....-	List of Publications at Local Library	Residents, interested parties	Various pub. for mitigation, facts, grants, etc.	unknown	8/25/2014	8/30/2016		Steve AndrewsPatti Herr
Program for Public Information (PPI)	Six meetings to create an Outreach Program	Multi-Media Multi Subjects	Municipality	All Subjects Multi-Hazard (ex. Turn around Don't Drown)	5,000	8/30/2016	8/30/2016		Steve Andrews
Safety Harbor									
Know your hurricane evacuation zone /route	Website GIS Application	Website	Municipality	Make your Family/ Business Disaster Plan	17,600 200	8/28/2014	10/21/2016		Debbie Drees
Quarterly newsletter	Outreach to residents	Newsletter	Municipality	Protect your property from the hazard(s)	17,600 200	8/28/2014	10/21/2016		Debbie Drees
Know your flood plain zone	Website GIS Application	Website	Municipality	Protect natural functions (floodplain; habitat; etc.)	17,600 200	8/28/2014	10/21/2016		Debbie Drees
Seminole									
Hurricane EXPO 6.7.14	Large venue Community Exposition	Community Event	County-wide	Be prepared, informed and take appropriate actions	2,000	8/25/2014			Brad Dykens
Home Depot Seminole Be Prepared 3.13.14	Large venue Community Exposition	Community Event	Municipality	Make your Family/ Business Disaster Plan	500	8/25/2014			Brad Dykens
Hurricane preparedness 5.29.14	Large group Presentation and table display	Area-Specific Meeting	Hurricane Vulnerable Seniors	Make your Family/ Business Disaster Plan	100	8/25/2014			Brad Dykens
Redington Shores Hurricane preparedness discussion 5.29.14	Large group Presentation and discussion video conference with community	Webinar/E-Town Hall Meeting	Municipality	Make your Family/ Business Disaster Plan	2,500	8/25/2014			Brad Dykens
Neighborhood Senior Center 6.16.14	Group presentation	Area-Specific Meeting	Hurricane Vulnerable Seniors	Make your Family/ Business Disaster Plan	50	8/25/2014			Brad Dykens
Heritage Presbyterian Village 6.17.14	Group Presentation	Area-Specific Meeting	Hurricane Vulnerable Seniors	Make your Family/ Business Disaster Plan	200	8/25/2014			Brad Dykens
Seminole ELKS 8.17.14	Group Presentation	Area-Specific Meeting	Floodplain Residents	Make your Family/ Business Disaster Plan	300	8/25/2014			Brad Dykens
South Pasadena									
Health Awareness at new Wal-Mart neighborhood market	Took blood pressures & distributed Hurricane Guides at the store's Health Awareness event	Community Event on 4/26/14	Municipality	Know your risk for BP & Hurricane Preparedness	30	7/29/2014			Dayton Saltsman
Hurricane Preparedness PowerPoint & talk	Presentation to residents of large condominium complex - Bay Islands	Area-Specific Meeting on 5/15/14	Hurricane Vulnerable Seniors	Make your Family/ Business Disaster Plan	58	7/29/2014			Dayton Saltsman
Hurricane Preparedness PowerPoint & talk	Presentation to residents of large apartment complex - Lutheran residence	Area-Specific Meeting on 5/28/14	Hurricane Vulnerable Seniors	Make your Family/ Business Disaster Plan	14	7/29/2014			Dayton Saltsman
Pinellas Economic Development Meeting of 6/26/14	Accompanied Bob Bray for talk to group about LMS and its importance for business community	Other (special interest group meeting)	Businesses	Other (representation on LMS Working Group for stakeholders in post-event recovery)	27	7/29/2014			Dayton Saltsman

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City Clerk's Assoc. meeting 7/09/14	Value of LMS Working Group representation for cities	Other (special interest group meeting)	Other (city clerks)	Other (representation on LMS Working Group for stakeholders)	10	7/29/2014			Dayton Saltsman
St. Pete Beach									
Repetitive Loss Areas	Letter	Direct Mailing	Properties located within 13 different repetitive loss areas	General information about grants, flood insurance.	269	10/3/16	10/3/2016		Bruce Cooper
Flood Awareness	Website	Website	Municipality	General information regarding all aspects of Flood Protection and contacts	10,000	10/3/16	10/3/2016		Bruce Cooper
St Pete Beach is Subject to Flooding	Paradise News Insert	Direct Mailing	Municipality	Assistance available, Flood Insurance Rate Maps, Safety Measures, Preparation before the storm, Warning Systems, etc.	10,000	10/3/16	10/3/2016		Bruce Cooper
Lenders, Insurance and Real Estate Agents	Letter	Direct Mailing	Agents	Grant information, Historic Flood Information, Flood Protection	30	10/3/16	10/3/2016		Bruce Cooper
St. Petersburg									
Flood Brochure	Sent to all residents in Utility bill	Brochure/Publication	Municipality	Know your risk	91,142	8/18/2014	9/26/2016		Noah Taylor
Flood Brochure	Residents in SFHA	Brochure/Publication	Municipality	Know your risk	46,474	8/18/2014	9/26/2016		Noah Taylor
EM Business Education Program	Disaster Preparedness For Small Businesses	Seminar/Classroom Instruction	Businesses	Make your Business Disaster Plan	50	8/19/2014	9/26/2016		Riek Stiff
Website		Website	Municipality	Know your risk	6,555	8/18/2014	9/26/2016		Noah Taylor
Guide	Retrofitting from Flooding	Brochure/Publication	Contractors	Build Responsibly	1	8/18/2014	9/26/2016		Noah Taylor
Guide	Protecting Your Home from Flood Damage	Brochure/Publication	Municipality	Protect your property from the hazard(s)	1	8/18/2014	9/26/2016		Noah Taylor
Guide	Federal Disaster Assistance and National Flood Insurance	Brochure/Publication	Municipality	Insure your property for your hazard(s)	1	8/18/2014	9/26/2016		Noah Taylor
Guide	Emergency Preparedness Guide	Brochure/Publication	Municipality	Know your risk	250	8/18/2014	9/26/2016		Noah Taylor
EM Public Education	Greenview Manor Apartments	In-person Presentation	Residents	Make your Family/ Business Disaster Plan	15	8/19/2014	9/26/2016		Riek Stiff
EM Public Education	Grandparents Raising Grandchildren Grp	In-person Presentation	Municipality	Make your Family/ Business Disaster Plan	15	8/19/2014	9/26/2016		Riek Stiff
EM Public Education	Trinity House Apartments	In-person Presentation	Residents	Make your Family/ Business Disaster Plan	35	8/19/2014	9/26/2016		Riek Stiff
EM Public Education	SERVE Corporation, St. Petersburg	In-Person Presentation	Municipality	Make your Family/ Business Disaster Plan	80	8/19/2014	9/26/2016		Riek Stiff
EM Volunteer Training	Eckert College CERT Training Expo	Seminar/Classroom Instruction	County-wide	Mass Care Training for CERT Volunteers	35	8/19/2014	9/26/2016		Riek Stiff
Guide	2014 County Hurricane Guide	Brochure/Publication	Municipality	All-Hazard Preparedness, Recovery Guide	-	-	9/26/2016		-
EM Public Education	Westminster SunCoast	In-Person Presentation	Residents	Make your Family/ Business Disaster Plan	110	8/19/2014	9/26/2016		Riek Stiff

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EM Public Education	Lutheran Towers Apartments	In-Person Presentation	Residents	Make your Family/ Business Disaster Plan	35	8/19/2014	9/26/2016		Riek Stiff
EM Public Education	Dillard's @ Tyrone Square Mall	In-Person Presentation	Store Mgmt and Employees	Make your Family and Business Disaster Plan	20	8/19/2014	9/26/2016		Riek Stiff
EM Public Education	Westminster Palms	In-Person Presentation	Residents	Make your Family/ Business Disaster Plan	60	8/19/2014	9/26/2016		Riek Stiff
EM City Employee Training	City Management Team	In-Person Presentation/Instruction	Municipality	City Disaster Management Training	200	8/19/2014	9/26/2016		Riek Stiff
EM Public Education	St. Petersburg Commission on Aging	Presentation to Governing Body	Municipality	City Disaster Plans For Seniors	12	8/19/2014	9/26/2016		Riek Stiff
EM Public Education	Presbyterian Towers	In-Person Presentation	Residents	Make your Family/ Business Disaster Plan	70	8/19/2014	9/26/2016		Riek Stiff
EM Public Education	Arlington Arbors Apartments	In-Person Presentation	Residents	Make your Family/ Business Disaster Plan	35	8/19/2014	9/26/2016		Riek Stiff
Hurricane Preparedness Public Education	Hurricane preparedness education provided to neighborhood/ homeowner associations.	In-person Presentation	Residents – Homeowners associations	Be prepared for a hurricane and/or flood event.	300	9/15/16	9/15/16		Amber Boulding
Hurricane Preparedness Public Education	Hurricane preparedness education provided to churches	In-person Presentation	Residents – faith-based organizations	Be prepared for a hurricane and/or flood event.	300	9/15/16	9/15/16		Amber Boulding
Hurricane Preparedness Public Education	Hurricane preparedness education provided to school groups	Seminar/Classroom Instruction	Students (grade school and college)	Be prepared for a hurricane and/or flood event.	150	9/15/16	9/15/16		Amber Boulding
EM Business Education Program	Disaster Preparedness for Small Businesses – offered quarterly	Seminar/Classroom Instruction	Businesses	Make your Business Disaster Plan	100	9/15/16	9/15/16		Amber Boulding
Emergency Management Fair	City of St. Petersburg Emergency Management Disaster Preparedness	In-person Presentation	Residents, Students	Emergency Management activities (preparedness, mitigation, and response) in the City of St. Petersburg	150	9/15/16	9/15/16		Amber Boulding
Evacuation Program for Residents	WRXB radio interview to go over evacuation and preparedness plans for South St. Pete residents	Radio Interview	Residents	How to be prepared and successfully evacuate if ordered.	2000	9/15/16	9/15/16		Amber Boulding
Executive/Policy Group ICS Training	Provide high level NIMS/ICS training to City Leaders	Seminar/Classroom Instruction	Staff	How to manage an emergency at the executive/policy group level	30	9/15/16	9/15/16		Amber Boulding
Tarpon Springs									
Notice to Repetitive Loss Properties	Direct mail annually	Mailing	Repetitive Loss Properties	Know your risk	75124	10/10/2014	10/24/2016		Riek Butcher Vicki Russo
Publication Distribution	Surviving the Storm Publication	Presentation to Governing Body Publication, Website	Municipality	Know your risk	210,000	10/10/2014	10/24/2016		Vicki Russo Riek Butcher
Hurricane Preparedness	Presentation to Board of Commissioners	Presentation to Governing Body, Website, Facebook	Municipality	Public Safety Information (ex. Turn Around Don't Drown)	725,000	10/10/2014	10/24/2016		Rick Butcher
Hurricane Preparedness	Emergency Management Plan	Presentation to Governing Body	Municipality	Protect your property from the hazard(s)	15,000	10/10/2014	10/24/2016		Rick Butcher

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2014 Pinellas County Hurricane Guide Hurricane Preparedness	Handout	Brochure/Publication Brochure, Publication, Website	Municipality	Public Safety Information (ex. Turn Around Don't Drown)	2,500	10/10/2014	10/24/2016		Vicki Russo Riek Butcher
Pinellas County Emergency Management	Website	Website	County-wide	Other (Please enter TARGET MESSAGE directly into cell)	929,048 949,827	10/10/2014	10/24/2016		Vicki Russo Riek Butcher
First Call	Program to contact residents for any type of emergency via cell phone, landline, text and email	Website	Municipality	Public Safety Information (ex. Turn Around Don't Drown)	20,000	10/10/2014	10/24/2016		Vicki Russo Riek Butcher
Emergency Preparedness	Adoption of LMS update: Presentation to Governing Body	Presentation to Governing Body Website	Municipality	LMS Update	1,000	10/19/2016	10/24/2016	Annual Hurricane Outreach	Vicki Russo
Emergency Preparedness	Handout	Brochure Publication	Municipality	Flood Preparation and Safety	5,000	10/19/2016	10/24/2016	Annual Hurricane Outreach	Vicki Russo
Hurricane Preparedness	Handout	Brochure Publication	Municipality	Coping with a Flood- Before, During and After	5,000	10/19/2016	10/24/2016	Annual Hurricane Outreach	Vicki Russo
Flood Insurance Information	Handout	Brochure Publication	Municipality	Why You Need Flood Insurance	5,000	10/19/2016	10/24/2016	Annual Hurricane Outreach	Vicki Russo
Flood Insurance Information	Handout	Brochure Publication	Municipality	National Flood Insurance Program Nothing Could Dampen the Joy of Home Ownership...	5,000	10/19/2016	10/24/2016	Annual Hurricane Outreach	Vicki Russo
Emergency Preparedness	Handout	Brochure Publication	Municipality	Who is at Risk for Flooding?	5,000	10/19/2016	10/24/2016	Annual Hurricane Outreach	Vicki Russo
Emergency Preparedness	Handout	Brochure Publication	Municipality	Flood: Are You Protected from the Next Disaster?	5,000	10/19/2016	10/24/2016	Annual Hurricane Outreach	Vicki Russo
Flood Insurance Information	Handout	Brochure Publication	Municipality	National Flood Insurance Program: How the NFIP Works	5,000	10/19/2016	10/24/2016	Annual Hurricane Outreach	Vicki Russo
Flood Insurance Information	Handout	Brochure Publication	Municipality	National Flood Insurance Program: Mandatory Purchase of Flood Insurance Guidelines	5,000	10/19/2016	10/24/2016	Annual Hurricane Outreach	Vicki Russo
Hurricane Preparedness	Handout	Brochure Publication Website	Municipality	Be Prepared Checklist	20,000	10/19/2016	10/24/2016	Annual Hurricane Outreach	Vicki Russo
Hurricane Preparedness	Website	Website	Municipality	Know Your Evacuation Zone, Pinellas County	20,000	10/19/2016	10/24/2016	Annual Hurricane Outreach	Vicki Russo
Hurricane Preparedness	Website	Website	Municipality	Storm Preparation for Debris Removal	20,000	10/19/2016	10/24/2016	Annual Hurricane Outreach	Vicki Russo

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Hurricane Preparedness	Website	Brochure Publication Website	Municipality	Hurricane Services for Elderly and Special Needs Residents	20,000	10/19/2016	10/24/2016	Annual Hurricane Outreach	Vicki Russo
Emergency Preparedness	Website	Publication Website	Municipality	Survival Kit Checklist	20,000	10/19/2016	09/01/2016	Annual Hurricane Outreach	Vicki Russo
Emergency Preparedness	Link to website on Emergency Management Page	Website	Municipality	Pinellas County Emergency Management	20,000	10/19/2016	10/24/2016	Annual Hurricane Outreach	Vicki Russo
Emergency Preparedness	Link to website on Emergency Management Page	Website	Municipality	Florida Department of Emergency Management	20,000	10/19/2016	10/24/2016	Annual Hurricane Outreach	Vicki Russo
Emergency Preparedness	Link to website on Emergency Management Page	Website	Municipality	Federal Emergency Management Agency	20,000	10/19/2016	10/24/2016	Annual Hurricane Outreach	Vicki Russo
Flood Insurance Information	Link to website on Emergency Management Page	Brochure Publication	Municipality	National Flood Insurance Program	20,000	10/19/2016	10/24/2016	Annual Hurricane Outreach	Vicki Russo
Hurricane Preparedness	Link to website on Emergency Management Page	Website	Municipality	National Hurricane Center	20,000	10/19/2016	10/24/2016	Annual Hurricane Outreach	Vicki Russo
Emergency Preparedness	Link to website on Emergency Management Page	Website	Municipality	Tampa Bay Regional Planning Council Emergency Management	20,000	10/19/2016	10/24/2016	Annual Hurricane Outreach	Vicki Russo
Touch A Truck Event	City event, education on flood zones, evacuation maps, building code	Brochures Website Facebook Twitter	Municipality	FEMA information for residents, building code question availability, evacuation map and flood zone info request availability	25,279	10/19/2016	10/24/2016	Annual Hurricane Outreach	Vicki Russo
Hurricane Preparedness	Handout	Publication Website Facebook Twitter	Municipality	Storm Savvy	20,000	10/19/2016	10/24/2016	Annual Hurricane Outreach	Vicki Russo
Twitter	Tweets	Social Media	Municipality	Communication about road closures, flooding, storm updates, evacuation information	20,000	10/19/2016	10/24/2016	Annual Hurricane Outreach	Vicki Russo
Facebook	Posts to City of Tarpon Springs Facebook public page	Social Media	Municipality	Communication about road closures, flooding, storm updates, evacuation information	20,000	10/19/2016	10/24/2016	Annual Hurricane Outreach	Vicki Russo
Treasure Island									
Notice to Severe Repetitive Loss Properties	Direct mailing once each year	Mailing	Severe Repetitive Loss Properties	Know your risk, mandatory flood insurance purchase	30	8/18/2014	10/15/2016		Paula Cohen

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Notice to Repetitive Loss Properties	Direct mailing once each year	Mailing	Repetitive Loss Properties	Know your risk, mandatory flood insurance purchase	88	8/18/2014	10/15/2016		Paula Cohen
Flood Facts	1 page advertisement in the Beach Beacon	Weekly Newspaper	N. Redington Beach, Redington Shores, Redington Beach, Madeira Beach, Treasure Island, and St. Pete Beach	Know your risk; protect your property from hazards, protect natural functions, build responsibly, mandatory flood insurance purchase, public safety information	25,279	8/18/2014	10/15/2016		Paula Cohen
FEMA's 50% Rule & How It May Affect Your Property	Handout	Brochure/Publication	Municipality	Build Responsibly	6,782	8/18/2014	10/15/2016		Paula Cohen
Preparing Your Home Before Disasters Strike	Handout	Brochure/Publication	Municipality	Protect your property from the hazard(s)	6,782	8/18/2014	10/15/2016		Paula Cohen
2014 - Pinellas County Hurricane Guide - Surviving the Storm	Handout	Brochure/Publication	County-wide	Know your risk, sheltering, preparedness	929,048	8/18/2014	10/15/2016		Paula Cohen
Re-entry Decals	Video	Sign up	Municipality	Public Safety Information (ex. Turn Around Don't Drown)	6,782	8/26/2014	10/15/2016		Paula Cohen
Red Cross Repairing Your Flooded Home	Video	Website	Municipality	Build Responsibly	6,782	8/26/2014	10/15/2016		Paula Cohen
Protecting Your Home from Flood Damage	Video	Website	Municipality	Build Responsibly	6,782	8/26/2014	10/15/2016		Paula Cohen
Hurricane Mitigation Videos	Video	Website	Municipality	Know your risk	6,782	8/26/2014	10/15/2016		Paula Cohen
Flood Insurance	Video	Website	Municipality	Insure your property for your hazard(s)	6,782	8/26/2014	10/15/2016		Paula Cohen
Pinellas County Emergency Management	Website	Website	County-wide	General website of all hazards public safety information, websites, links, know your risk, sheltering, preparedness, illegal dumping, natural environmental functions, and build responsibly	929,048	8/26/2014	10/15/2016		Paula Cohen
Home Builders Guide To Coastal Construction	.pdf	Website	Municipality	Build Responsibly	6,782	8/26/2014	10/15/2016		Paula Cohen
Wind Retrofit Guide for Residential Buildings	.pdf	Website	Municipality	Build Responsibly	6,782	8/26/2014	10/15/2016		Paula Cohen
Home - Elevation a Reliable Flood-Proofing Option	.pdf	Website	Municipality	Build Responsibly	6,782	8/26/2014	10/15/2016		Paula Cohen
Ways to protect your home from flooding	.pdf	Website	Municipality	Build Responsibly	6,782	8/26/2014	10/15/2016		Paula Cohen
FEMA Map Service Center	website	Website	Municipality	Know your risk	6,782	8/26/2014	10/15/2016		Paula Cohen
Flooding and Flood Risks	.pdf	Website	Municipality	Know your risk	6,782	8/26/2014	10/15/2016		Paula Cohen

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Recovering from a Disaster	video	Website	Municipality	Public Safety Information (ex. Turn Around Don't Drown)	6,782	8/26/2014	10/15/2016		Paula Cohen
FEMA's Homeowners' Guide to Retrofitting	.pdf	Website	Municipality	Build Responsibly	6,782	8/26/2014	10/15/2016		Paula Cohen
FEMA's Protecting Building Utilities from Flood Damage	.pdf	Website	Municipality	Build Responsibly	6,782	8/26/2014	10/15/2016		Paula Cohen
FEMA's During a Flood and Driving Flood Facts	.pdf	Website	Municipality	Public Safety Information (ex. Turn Around Don't Drown)	6,782	8/26/2014	10/15/2016		Paula Cohen
Brace for the Storm	Notice	Website	Municipality	Workshops for property owners on how to make their home safe in locations around Pinellas County	6,782	8/26/2014	10/15/2016		Paula Cohen
Floodsmart.gov	informational link	Website	Municipality	Purchase of Flood insurance, FEMA 50% rule, Know Your Risk	6,782	8/26/2014	10/15/2016		Paula Cohen
Hurricane Preparedness	Website - Fire Department	Website	Municipality	Prepare, during and after the storm	6,782	8/26/2014	10/15/2016		Paula Cohen
Community Emergency Response Team	website description	Website	Municipality	Community involvement in response and recovery	6,782	8/26/2014	10/15/2016		Paula Cohen
First Call	program to contact residents for any type of emergency via cell phone, landline, email, text, etc.	Sign-up / website / brochure	Municipality	Direct contact to the residents for any emergency - bridge closure, contaminated water, storm approaching, police or fire issue, road blockage, etc.	6,782	8/26/2014	10/15/2016		Paula Cohen
Hazardous Waste	website	Website	Municipality	Proper disposal of hazardous waste	6,782	8/26/2014	10/15/2016		Paula Cohen
Illicit Discharge	website	Website	Municipality	Protect natural functions (floodplain; habitat; etc.) of Boca Ciega Bay and report illegal activity	6,782	8/26/2014	10/15/2016		Paula Cohen
Preventing Urban Runoff Pollution - A Guide for Homeowners	Handout	Brochure/Publication	Municipality	Illicit discharge	6782	9/16/2014	10/15/2016		Paula Cohen
Clean Water - Everybody's Business	Handout	Brochure/Publication	Municipality	Illicit discharge	6,782	9/16/2014	10/15/2016		Paula Cohen

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Treasure Island Re-Entry Decals	Website - Handout	Website / Brochure	Municipality	Returning to Treasure Island after an emergency and precautionary actions to take once one arrives on their property. Look for visible structural damage, do not drink water, food spoilage from loss of electricity, etc.	6,782	9/18/2014	10/15/2016		Paula Cohen
COMMUNITY PARTNERS									
American Red Cross									
Pinellas County Senior Expo	General Disaster Preparedness, Senior Health Issues, Hand out brochures and Presentation 1/14/14	Community Event	County-wide	Preparedness for seniors, Health Issues, Special Needs Shelters, Planning in Disasters	200	10/30/14			Mark Hendrickson
Health & Safety Fair	Disaster Preparedness, Health Issues. Hampton Inn 1/24/14	Community Event	Municipality	Disaster Preparedness & What to do to save a life	50	10/30/14			Mark Hendrickson
Touch a Truck	Show Red Cross vehicle & talk about Disaster Preparedness. Largo Central Park 1/30/14	Community Event	County-wide	What the Red Cross vehicle does and what to do to prepare for a disaster and after a disaster	1,200	10/30/14			Mark Hendrickson
Health & Safety Fair	Disaster Preparedness, Health Issues. Pinellas Central Elementary 1/30/14	Community Event	Municipality	Disaster Preparedness & What to do to save a life	40	10/30/14			Mark Hendrickson
Health & Safety Fair	Disaster Preparedness, Health Issues. St Patrick's Church, Largo 2/18/14	Community Event	Municipality	Disaster Preparedness & What to do to save a life	60	10/30/14			Mark Hendrickson
Health & Safety Fair	Disaster Preparedness, Health Issues. Largo Central Park 2/22/2014	Community Event	County-wide	Disaster Preparedness & What to do to save a life	30	10/30/14			Mark Hendrickson
Spring Market - Table event	Disaster Preparedness. Lake Seminole Pres Church 3/1/2014	Community Event	Municipality	Make your Family/ Business Disaster Plan	200	10/30/14			Mark Hendrickson
St. Petersburg Saturday Market-Table event	Disaster Preparedness. St. Petersburg 3/8/14	Community Event	Municipality	Make your Family/ Business Disaster Plan	150	10/30/14			Mark Hendrickson
Sheltering & Preparedness for disasters	Providing a Shelter to the community & Disaster Preparedness. Palm Harbor United Methodist 3/18/14	Community Event	Church members	How to become a Shelter for Red Cross & Disaster Preparedness	35	10/30/14			Mark Hendrickson
Women's History Month - Disaster Presentation	How to prepare for disasters. St Petersburg College, Clearwater 3/26/14	Community Event	College Students/staff	Make your Family/ Business Disaster Plan	42	10/30/14			Mark Hendrickson

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Fire Safety & Disaster Preparedness	Fire safety, preparing for disasters, Special Needs Shelters. Four Seasons MHP, 3/26/14	Community Event	Mobile Home Park Residents	Make your Family/ Business Disaster Plan	100	10/30/14			Mark Hendrickson
Caregivers Table top & Citizen CPR	Disaster preparedness & Citizen CPR, St Petersburg Hospice 3/29/14	Roundtable/Forum	Hospice Volunteers & Staff	Make your Family/ Business Disaster Plan and Citizen CPR instruction	40	10/30/14			Mark Hendrickson
Eckerd College									
Email to faculty/staff (May 2014 2016) and distribution of annual hurricane guide to students (August 2014 2016)	Distribution/posting of annual hurricane preparedness information	Brochure/Publication	Eckerd College community	Make your Family/ Business Disaster Plan	3,000	10/3/2014	<u>10/5/2016</u>		Lisa Mets
Pinellas County Extension - UF/IFAS									
Coastal Resilience Index	Consultation/Facilitated Assessment of Preparedness	Presentation to Governing Body	Municipality	Other- All of the above, Assessment of ability to recover post-disaster		9/18/2014			Ramona Madhosingh/Libby Carnahan
Pinellas County Ext Website	Online education	Website	County-wide	Other- All of the above		9/18/2014			Ramona Madhosingh/Libby Carnahan
Florida Homeowner Handbook to Prepare for Natural Disasters	New Publication, Co-authored and printed by UF/IFAS Extension, distributed in Pinellas County facilities	Brochure/Publication	County-wide	Protect your property from the hazard(s)		9/18/2014			Ramona Madhosingh/Libby Carnahan
Hurricane Preparedness Workshop	Community workshop	Community Event	County-wide	Protect your property from the hazard(s)		9/18/2014			Ramona Madhosingh/Libby Carnahan
Regional Floodplain Management Workshop	Workshop for professionals (urban planners, floodplain managers) on NFIP and new CRS.	Roundtable/Forum	Other: Regional, Pinellas, Pasco, Hillsborough, Manatee, Sarasota	Other - Changes to NFIP, CRS, legal implications		9/18/2014			Ramona Madhosingh/Libby Carnahan
Timely Topics Blog	Online education	Newsletter	County-wide	Public Safety Information (ex. Turn Around Don't Drown)		9/18/2014			Ramona Madhosingh/Libby Carnahan
Thinking Green Blog	Online education	Newsletter	County-wide	Public Safety Information (ex. Turn Around Don't Drown)		9/18/2014			Ramona Madhosingh/Libby Carnahan
Water Column e-Newsletter	Online education	Newsletter	County-wide	Protect your property from the hazard(s)		9/18/2014			Ramona Madhosingh/Libby Carnahan
Factsheet: Preparing your Pets for Hurricane Season	General education - printed	Brochure/Publication	County-wide	Public Safety Information (ex. Turn Around Don't Drown)		9/18/2014			Ramona Madhosingh/Libby Carnahan
Factsheet: Preparing your Boats for Hurricane Season	General education - printed	Brochure/Publication	County-wide	Know your risk		9/18/2014			Ramona Madhosingh/Libby Carnahan

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Factsheet: Staying Connected during Hurricane Season	General education - printed	Brochure/Publication	County-wide	Public Safety Information (ex. Turn Around Don't Drown)		9/18/2014			Ramona Madhosingh / Libby Carnahan
Wind and Trees Display	General education	Tabletop Display	County-wide	Insure your property for your hazard(s)		9/18/2014			Ramona Madhosingh/Libby Carnahan
Disaster Preparedness for Residents	General education	Tabletop Display	County-wide	Make your Family/ Business Disaster Plan		9/18/2014			Ramona Madhosingh/Libby Carnahan
Coastal Cleanups	Hands-on events where participants learn about impacts to local ecosystem	Community Event	County-wide	Protect natural functions (floodplain; habitat; etc.)		9/18/2014			Ramona Madhosingh/Libby Carnahan
Going Coastal: Estuary-Friendly Living	Hands-on training where participants learn about impacts to local ecosystem	Community Event	County-wide	Protect natural functions (floodplain; habitat; etc.)		9/18/2014			Ramona Madhosingh/Libby Carnahan
Sustainable Floridians	Training for residents on behaviors and impacts to environment - water, land use etc.	7-week Training Program	County-wide	Protect natural functions (floodplain; habitat; etc.)		9/18/2014			Ramona Madhosingh/Libby Carnahan
Clean Marina Workshops	Training and education for marina and boat owners/operators	Presentation to Industry	Businesses	Make your Family/ Business Disaster Plan		9/18/2014			Ramona Madhosingh/Libby Carnahan
Tarpon Springs Housing Authority									
Resident Notice	Annual Update of Evacuation Levels	Door-to-Door Distribution	Residents of Tarpon Springs Housing Authority	Public Safety Information (ex. Turn Around Don't Drown)	405	8/25/2014	9/21/2016		Deb Amon
Publication Distribution	"Surviving the Storm" Publication	Door-to-Door Distribution	Residents of Tarpon Springs Housing Authority	Public Safety Information (ex. Turn Around Don't Drown)	405	8/25/2014	9/21/2016		Deb Amon
Disaster/ Emergency Preparedness	Annual Update of Disaster/Emergency Preparedness Plan	Staff Master Document Distribution	Residents of Tarpon Springs Housing Authority	Make your Family/Business Disaster Plan	405	10/31/2014	9/21/2016		Deb Amon
Pinellas County Emergency Management	TSHA's website	Website	County-wide	Make your Family/Business Disaster Plan	929,028	10/31/2014	9/21/2016		Deb Amon
Tampa Bay Regional Planning Council									

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Name of Event/Outreach	Description of Event/Outreach	Outreach Method	Target Audience	Target Message	Estimate of Population Reached	Date Entered on this Form	Date Last Reviewed/Updated	Last Review/Update Comments	Name of Person Who Made Entry/Last Update
	The www.tampabayprepares.org website was developed to provide families and businesses with information on how to prepare for all hazards, safety tips, and mitigation. The website also has guidance to businesses on how to develop their BCP and protect themselves from economic losses. Also includes the most recent Disaster Planning Guide for Families and Businesses.	Website	County-wide (Residents and Businesses); Spanish speaking	All Target Messages are addressed	12,000	8/22/2014			Betti Johnson
Disaster Planning Guide - Spanish	A county-specific All-Hazards printed guide which preparedness and mitigation information including floodplain management strategies in Spanish	Brochure/ Publication	Spanish Speaking Residents	All Target Messages are addressed	10,000	8/22/2014			Betti Johnson
Presentations to Regional Council Members	Staff briefs the Regional Council members on Emergency Management/ Floodplain Management issues throughout the year at the monthly meetings. These include the importance of the Local Mitigation Strategies, CRS and Flood Insurance, available mitigation workshops, hurricane evacuation planning and domestic security.	Presentation to Governing Body	Council members represent the (4) County Commissioners, municipalities and gubernatorial appointees.	All Target Messages are addressed	35	8/22/2014			Betti Johnson
Community Presentations	Preparedness / Mitigation Talks to Homeowner Groups	Area-Specific Meeting	Hurricane Vulnerable Seniors	Make your Family/ Business Disaster Plan	50	8/22/2014			Betti Johnson
Presentations to Planners	Briefing to LMS Members on Climate Change and Sea Level Rise	Area-Specific Meeting	County-wide	Know your risk	35	8/22/2014			Betti Johnson
Participation in Public Safety Events	Booths at NOAA Hurricane Hunter Expo	Community Event	Students and Citizens	Know your risk	200	8/22/2014			Betti Johnson
Palm Harbor Fire Rescue									
Facebook Page	Updates on Palm Harbor Fire Rescue Facebook Page	Social Media/ Email	Municipality	Public Safety Information (ex. Turn Around Don't Drown)	Unknown	8/14/2014			Bob Markford
New E-Flash	Updates sent via e-mail in the form of an E-Flash	Social Media/ Email	Those that subscribe and are on the e-flash e-mailing list	Public Safety Information (ex. Turn Around Don't Drown)	100-150	8/14/2014			Bob Markford
Hurricane Preparedness	Talks to various Homeowners Groups in PH	Area-Specific Meeting	Municipality	Know your risk	100-200	8/14/2014			Bob Markford

APPENDIX 9
MITIGATION INITIATIVES

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APPENDIX 9: MITIGATION INITIATIVES

Introduction

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



Identification of Mitigation Measures

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

Preventive Measures

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

Property Protection

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

Structural Projects

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

Natural Resource Protection

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

Public Information Programs

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

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

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Table 9-1: Mitigation Initiatives (as amended Jan 29, 2016/31, 2017)

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

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

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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	10/4/2016	Removed	Sarah Kessler
900	Clearwater / Public Utilities	Purchase trailer mounted antenna	Purchase antenna for citywide telemetry system for monitoring lift stations, water and wastewater plants. Estimated completion time: less than 12 months. / 1	\$75,000	Currently unfunded	EMPATF, HMGP; PDM Program	10/4/2016		Sarah Kessler
900	Clearwater / Public Utilities	Northeast Water Pollution Control Plant generators	Procure seven backup generators to maintain the generator reliability. Estimated completion time: less than 12 months. / 4	\$950,000	Currently unfunded	EMPATF, HMGP; PDM Program	10/4/2016		Sarah Kessler
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	10/4/2016		Sarah Kessler
1050	Clearwater/ Stormwater	Salls Lake Park Stormwater Improvements	1 (Stormwater improvements)	\$300,000	Unfunded	SWFWMD Co-operative funding; City of Clearwater Stormwater Utility Fund	10/4/2016		Sarah Kessler
1045	Clearwater/ Stormwater	East Gateway Stormwater Improvements	1 (Stormwater improvements)	\$2M	Unfunded	SWFWMD Co-operative funding; City of Clearwater Stormwater Utility Fund	10/4/2016		Sarah Kessler
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	10/4/2016		Sarah Kessler
1020	Clearwater/ Stormwater	Virginia Groves/Mocca sin Lake Stormwater Improvements	1 (Stormwater improvements)	\$1,000,000	Unfunded	SWFWMD Co-operative funding; City of Clearwater Stormwater Utility Fund	10/4/2016		Sarah Kessler
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	10/4/2016		Sarah Kessler
970	Clearwater/ Stormwater	Elizabeth Pond Stormwater Improvements	1 (Stormwater improvements)	\$1,000,000	Unfunded	SWFWMD Co-operative funding; City of Clearwater Stormwater Utility Fund	10/4/2016		Sarah Kessler

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970	Clearwater/ Stormwater	Clearwater Beach Ponds Stormwater Improvements	1 (Stormwater improvements)	\$250,000	Unfunded	SWFWMD Co-operative funding; City of Clearwater Stormwater Utility Fund	10/4/2016		Sarah Kessler
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	10/4/2016		Sarah Kessler
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	10/4/2016		Sarah Kessler
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	10/4/2016		Sarah Kessler
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	10/4/2016		Sarah Kessler
930	Clearwater/ Stormwater	Alligator Creek Channel Improvements	1 (Stormwater improvements)	\$2,500,000	Unfunded	SWFWMD Co-operative funding; City of Clearwater Stormwater Utility Fund	10/4/2016		Sarah Kessler
930	Clearwater/ Stormwater	Channel H Stabilization	1,3	\$1,000,000	Unfunded	SWFWMD Co-operative funding; City of Clearwater Stormwater Utility Fund	10/4/2016		Sarah Kessler
910	Clearwater/ Stormwater	Channel C Conveyance Improvements	1 (Stormwater improvements)	\$25,000,000	Unfunded	SWFWMD Co-operative funding; City of Clearwater Stormwater Utility Fund	10/4/2016		Sarah Kessler
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	10/4/2016		Sarah Kessler
850	Clearwater/ Marine & Aviation	Airpark Hanger	Replace airplane hangar. Added 2016 /2	\$700,000	Unfunded	EMPATE, HMGP, PDM Program	12/16/2016		Sarah Kessler

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1150	Clearwater/ Fire & Rescue	Fire Station 46 - Mandalay	Construction of a new fire station to meet current building standards. Added 2016 /4	\$4,305,560	Unfunded	EMPATF, HMGP; PDM Program	12/16/2016		Sarah Kessler
1150	Clearwater/ Fire & Rescue	Fire Station 47	Construction of a new fire station in an alternate location. Added 2016 /4	\$200,000	Unfunded	EMPATF, HMGP; PDM Program	12/16/2016		Sarah Kessler
1210	Clearwater/ Gas	Gas Complex	Construction of a new Clearwater Gas building built to Category 5 building standard. Added 2016 /4	\$13,000,000	Unfunded	EMPATF, HMGP; PDM Program	12/16/2016		Sarah Kessler
710	Clearwater/ Public Utilities	Groundwater Replenishment	Construction of a new hardened facility. Added 2016 /2	\$500,000	Unfunded	EMPATF, HMGP; PDM Program	12/16/2016		Sarah Kessler
900	Clearwater/ Engineering	Intermodal Facility	Construction of a new terminal in downtown. Added 2016 /2	\$2,425,000	Unfunded	EMPATF, HMGP; PDM Program	12/16/2016		Sarah Kessler
830	Clearwater/ Marine & Aviation	Stormwater Management	Construct a stormwater management system at the Marina Added 2016 /1	\$7,000,000	Unfunded	EMPATF, HMGP; PDM Program	12/16/2016		Sarah Kessler
800	Clearwater/ Marine & Aviation	Marina Walkway	Repair walkway at Marina and protect utilities located under the surface. Added 2016 /1	\$1,450,000	Unfunded	EMPATF, HMGP; PDM Program	12/16/2016		Sarah Kessler
1190	Clearwater/ Police	District 3 Headquarters	Rebuild Police Station to be resilient and address site flooding Added 2016 /4	\$3,505,000	Unfunded	EMPATF, HMGP; PDM Program	12/16/2016		Sarah Kessler
1070	Clearwater/ Engineering	Public Works Complex - Phase 2 Public Utilities and Stormwater Warehouse Facility	New warehouse facility will be built to Category 5 standards. Added 2016 /4	\$4,248,134	Unfunded	EMPATF, HMGP; PDM Program	12/16/2016		Sarah Kessler

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1080	Clearwater/ Engineering	Public Works Complex – Phase 3 Administration Building with IT Server	New administration building and secure storage of IT servers will be built to Category 5 standards. Added 2016 /4	\$10,191,909	Unfunded	EMPATF, HMGP; PDM Program	12/16/2016		Sarah Kessler
960	Clearwater/ Engineering	Public Works Complex – Phase 4 Meter Shop/ Utilities Mechanical Shop/ Survey Office	New facility for meter shop, utilities mechanical shop, and survey office will be built to Category 5 standards. Added 2016 /4	\$1,449,586	Unfunded	EMPATF, HMGP; PDM Program	12/16/2016		Sarah Kessler
1150	Clearwater/ Engineering	Public Works Complex – Phase 5 Traffic Operations Facility	New facility for traffic operations will be built to Category 5 standards. Added 2016 /4	\$2,626,580	Unfunded	EMPATF, HMGP; PDM Program	12/16/2016		Sarah Kessler
900	Clearwater/ Engineering	Public Works Complex – Phase 6 Urban Forestry/ Parks & Beautification and Infrastructure	New facility for urban forestry and P&B will be built to Category 5 standards. Added 2016 /4	\$3,902,806	Unfunded	EMPATF, HMGP; PDM Program	12/16/2016		Sarah Kessler
970	Clearwater/ Public Utilities	Water Treatment Plant #3	The expansion of the water treatment plant will make is possible for the City to produce 100% of the necessary water supply for residents. Added 2016 /4	\$13,400,000	Unfunded	EMPATF, HMGP; PDM Program	12/16/2016		Sarah Kessler
1010	Clearwater/ Engineering	Acquisition of Repetitive Loss Properties	Several repetitive loss properties have been identified for acquisition Added 2016 /1	\$16,000,000	Unfunded	EMPATF, HMGP; PDM Program	12/16/2016		Sarah Kessler
1030	Clearwater/ Engineering	Sunshine Towers Stormwater Pipe Realignment	The realignment of the stormwater pipe under the Sunshine Towers will alleviate flooding from the collapsed pipes under the building. Added 2016 /1	\$588,000	Unfunded	EMPATF, HMGP; PDM Program	12/16/2016		Sarah Kessler
970	Dunedin / Public Works	City Hall Shutters	Install hurricane shutters on City Hall (542 Main Street). Estimated completion time: less than 12 months. / 2	\$7,000	Currently Unfunded	EMPATF, HMGP; PDM Program			
970	Dunedin / Public Works	Lift Station Elevation & Retrofit	Harden & upgrade 12 lift stations for waste water. Estimated completion time: more than 12 months. / 1	\$300,000	Currently Unfunded	EMPATF, HMGP; PDM Program			
920	Dunedin / Public Works	Library Retrofit	Install hurricane shutters on Library Facility (223 Douglas). Estimated completion time: more than 12 months. / 2	\$95,000	Currently funded with HMGP	EMPATF, HMGP; PDM Program			
970	Eckerd College / St. Petersburg	Building Flood/Wind Retrofit	Retrofit priority support building to address vulnerabilities to high winds and/or flooding based on engineering evaluation. Estimated completion time: more than 12 months. / 1, 2	\$50,000	Currently Unfunded	EMPATF, HMGP; PDM Program	10/24/2016		Lisa Mets

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940	Eckerd College / St. Petersburg	Building Flood/Wind Retrofit	Retrofit academic building to address vulnerabilities to high winds and/or flooding based on engineering evaluation. Estimated completion time: more than 12 months. / 1, 2	\$250,000	Currently Unfunded	EMPATF, HMGP; PDM Program	10/24/2016		Lisa Mets
1155	Gulfport	Hardening of Critical Facilities	Install window protection devices and storm-resistant exterior doors in the City's lift stations. Estimated completion time; less than 12 months. / 2	\$7,000	Currently Unfunded	EMPATF, HMGP; PDM Program; Municipal Funding			
1130	Gulfport	Fire Station/ EOC Generator	Replace aging generator for the Fire Station/EOC. Estimated completion time: less than 12 months. / 4	\$50,000	Currently Unfunded	EMPATF			
1090	Gulfport	Stormwater Project	Enlarge drainage pipes and construct retention ponds citywide to reduce street and yard flooding to improve drainage in low lying areas of the City. Estimated completion time: more than 12 months. / 1	\$500,000	Currently Unfunded	Capitalization Grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants			
1035	Gulfport	Flood Mitigation in Waterfront Redevelopment District	Construct storm doors for commercial businesses within the 100-year floodplain of the Waterfront Redevelopment District. Estimated completion time: more than 12 months. / 1	\$60,000	Currently Unfunded	EMPATF, HMGP; PDM Program			
1030	Gulfport	Land Acquisition	Public purchase of properties that are flood prone or at high risk/exposure to being flooded or experience wave action/erosion. Estimated completion time: more than 12 months. / 1	\$500,000	Currently Unfunded	EMPATF, HMGP; PDM Program			
1015	Gulfport	Municipal EOC	Build a new City EOC, 1617 - 49th Street South. Estimated completion time: more than 12 months. / 4	\$3,500,000	Currently Unfunded	HMGP; PDM Program			
995	Gulfport	Thermal Imaging Camera	Purchase thermal imaging camera for post-storm search and rescue and hazard abatement. Estimated completion time: less than 12 months. / 4	\$20,000	Currently Unfunded	EMPATF			
1050	Indian Rocks Beach / Building Dept.	Flood Mitigation Buyout	Provide a grant of up to \$15,000 per structure for the removal of noncompliant pre-FIRM structures. / 1	\$150,000	Currently Unfunded	FMAP; HMGP; PDM Program	9/26/2016		Dean Scharmen
1250	Indian Rocks Beach / Public Services	Stormwater Drainage	Reconstruction of small basin stormwater collection and discharge facilities as required by NPDES. All city facilities should be updated by 2017, the end of a 15 year effort and thereby in compliance with NPDES regulations. /4	\$394,000 550,000	18 to 24 months/ Currently Unfunded	City of Indian Rocks Beach Capital Improvement Plan; Capitalization Grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants; Penny for Pinellas; SWFWMD	9/26/2016		Dean Scharmen
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	\$750,000 400,000	12 to 18-36 months	CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants; PDM Program; EMPATF, Penny for Pinellas ; City of Indian Rocks Beach Capital Improvement Plan	9/26/2016		Dean Scharmen

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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. / 3-2017 through 2021 / 3-2016 and 2018. / 3	\$2,580,000 \$771,108	Currently Unfunded	Special Revenue Fund – Penny for Pinellas; City of Indian Rocks Beach Capital Improvement Plan; Capitalization Grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants	9/26/2016		Dean Scharmen
1030	Indian Shores / Town Administrator	Critical Facility Rebuild	Build new town hall, police department and annex buildings. Estimated completion time: more than 12 months. / 2	\$3,500,000	Currently Unfunded	FMAP; HMGP; PDM Program			
915	Indian Shores / Town Administrator	Seawall Erosion Control	Reconstruct seawall with tiebacks at Intra Coastal Waterway and Town Street. Estimated completion time: more than 12 months. / 3	\$160,000	Currently Unfunded	Capitalization Grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants			
865	Indian Shores / Town Administrator	Detention Pond	Create a detention pond and storm water drainage system in the community redevelopment area. Estimated completion time: more than 12 months. / 1	\$100,000	Currently Unfunded	Capitalization Grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants			
910	Kenneth City	Stormwater Management	Repair, rework, and replace components in the Kenneth City storm drain system. Estimated completion time: more than 12 months. / 1	\$300,000	Currently Unfunded	Capitalization Grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants			
910	Kenneth City	Stormwater Management	Repair, rework, and replace components in the Kenneth City storm drain system. Estimated completion time: more than 12 months. / 1	\$500,000	Currently Unfunded	Capitalization Grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants			
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	12/22/16		Matthew DiFiore
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	12/22/16		Matthew DiFiore

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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	12/22/16		Matthew DiFiore
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	12/22/16		Matthew DiFiore
-	Largo/Envir. Services	Biosolids Building- Hurricane Hardening	The Biosolids building is a large industrial, pre-engineered metal building. It houses most of the operating components used to convert wastewater solid into a Class AA Biosolid product, used for fertilization. Due to the essential nature of the facility, and the potential for the facility to sustain significant damage during a hurricane, a study was conducted to evaluate the structural performance of the building, under the effects of a Category 3 hurricane and to provide recommendations for either strengthening the existing structure (\$1.4 million), or total replacement of the building (\$1.8 million). Repair work would include roofing, wall work, structural bracing and stiffening, replacement of doors, windows and fans; and painting of structural steel. This project is not part of the approved CIP. /4	\$1,800,000	<FY17 (Unfunded)	-	12/22/16		Matthew DiFiore
820	Largo/Envir. Services- Administration	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 constructing a warehouse with adequate capacity and centralized record keeping and demolishing the existing PSTA building. 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	\$3,500,000	FY2016/17	Wastewater (Local)	12/22/16		Matthew DiFiore
1350	Largo/Fire Rescue	Fire Station Hardening Program	All City of Largo fire stations (38, 39, 40, 41, & 42) are in need of apparatus bay doors which have been designed to withstand hurricane force winds. At this time, no fire station in the city is provided with complete and adequate protection. Such retrofitting will assist with insuring personnel safety and immediate emergency response following a hurricane event. These stations are part of the fire department automatic aid program within the county. This project is not part of the approved CIP. /4	\$216,000	>FY16 (Unfunded)	-	12/22/16		Matthew DiFiore
1350	Largo/Fire Rescue	Radio Upgrades	The project will upgrade the fire 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 equipment is essential to response and recovery efforts during a man-made and/or natural disaster. These radios are on fire apparatus which are part of the fire department automatic aid program within the county. This project is part of the approved CIP. /4	\$230,000	FY13	General (Local) fund and County	12/22/16		Matthew DiFiore

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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)	12/22/16		Matthew DiFiore
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	12/22/16		Matthew DiFiore
-	Largo/Info. Technology	Computer Server Room Business Continuity	In FY 2010, it was determined that the weight and size of the existing server room was inadequate. The weight is more than the existing City Hall building can bear (computer room on second floor), the size and HVAC requirements are inadequate, and the survivability of the wind rating of the City Hall building is not high enough to protect the City's main (computer) infrastructure – the servers and main telephone switch. A new stand-alone Server and Telephone building (Data Center), survivable up to category 5 hurricane winds, off-site from City Hall is needed. The existing and proposed Data Center supports operational and communications for all City Departments including Public Safety, Environment Services, Public Works and Emergency Management. This project is part of the approved CIP. /4	\$2,000,000	FY12	LOST	12/22/16		Matthew DiFiore
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)	12/22/16		Matthew DiFiore
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)	12/22/16		Matthew DiFiore
1240	Largo	Fire Station Renovation Program	The City of Largo operates six fire stations, 38, 39, 40, 41, 42 and 43. The stations are in need of significant repair, maintenance, and upgrade in order to remain operational. An outside consultant completed a needs analysis in 2015 to determine the following: space needs analysis, analysis of all current and immediate repair and maintenance needs and costs, and estimates on the remaining useful life of the buildings. The 2015 Needs Assessment indicated extensive repairs and upgrades for Largo Fire Rescue stations, including updating the Bay Doors, interior renovations, and exhaust removal. /4	\$557,000	FY 17-FY 21	General (Local Fund)	12/22/16		Matthew DiFiore
1150	Largo	Fire Station 38 Reconstruction	This is the youngest of the three proposed stations however still has many of the same issues. The roof and HVAC systems will need replacing, the building will need to be brought up to ADA and NFPA standards and living quarters will need redesign and reconfiguration. This building has gone through many changes due to personnel additions and changes over the last ten years. The current building is 6,500 square feet and was constructed in 1986. /4	\$4,500,000	N/A	Unfunded	12/22/16		Matthew DiFiore

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1150	Largo	Fire Station 39 Reconstruction	This building has exceeded its useful life and currently is in need of a roof replacement and internal renovations. The building has no separated living quarters and has inadequate storage space for the needs of the department. This project is intended to work in coordination with the county project to rebuild Rainbow Village. The current building is 5,300 square feet and was constructed in 1979./4	\$4,500,000	N/A	Unfunded	12/22/16		Matthew DiFiore
1150	Largo	Fire Station 42 Reconstruction	On top of issues regarding access and the age of the facility, the building has had multiple roof replacements, renovations, and updates throughout its life. It is recommended that a new building be built with better access for apparatus and better separation of living quarters for firefighters. The current building is 5,300 square feet and was constructed in 1978./4	\$4,500,000	N/A	Unfunded	12/22/16		Matthew DiFiore
990	Largo	WWRF - Biosolids Building Hardening	The Biosolids building is a large industrial, pre-engineered metal building. It houses most of the operating components used to convert wastewater solid into a Class AA Biosolid product, used for fertilization. Due to the essential nature of the facility and the potential for the facility to sustain significant damage during a hurricane, a study was conducted to evaluate the structural performance of the building under the effects of a Category 3 hurricane. Based on the results of the contracted study, scope for this project includes either 1) structural modifications to the existing building, including roofing work, wall work, all structural bracing and stiffening, replacement of doors, windows, louvers (framed openings), and fans, and painting or 2) replacement of the entire building. /1, 2	\$1,600,000	FY 18 -FY19	Wastewater (Local Fund)	12/22/16		Matthew DiFiore
1190	Largo	WWRF – Operations Center Reconstruction	The existing WWRF control building and laboratory, both of which are approximately 40 years of age, are not hurricane hardened. As these structures are essential to treatment plant operations, the Department would like to construct a new facility so that staff could continue to operate the plant after a storm event. This would entail design and construction of a new two-story building overlooking the process trains, which would be hurricane hardened for safe quartering during a storm. It would contain the main control room for SCADA workstations, a server room, a full laboratory for permit required lab analysis, storage for chemicals & supplies, a bunker/lounge area, a records room, and a variety of other needs to be determined during the design process. /1, 2	\$4,570,000	FY 18-FY19	Wastewater (Local Fund)	12/22/16		Matthew DiFiore
970	Largo	City Hall Reconstruction	The City Hall facility has a number of issues. First, it is not rated for hurricane winds and is in a flood plain. It has electrical and plumbing systems that are original to the building and are repeatedly needing repair. The HVAC system needs to be redesigned as it is not efficient and does not service employees there appropriately. The building is not hardened and has significant space utilization issues. This estimate would construct a new building with the same square footage of the current City Hall and does not include land acquisition or design costs at this time. Policy direction is needed to determine the needs for inside a new City Hall building. The current building is 57,740 square feet and was constructed in 1973. /1, 2	\$18,000,000	N/A	Unfunded	12/22/16		Matthew DiFiore
1000	Largo	Public Works Complex Reconstruction	Due to the complex being built on a former closed landfill, the soil underneath the complex is giving way to considerable damage to both the pavement used around the building and the buildings themselves. The Administration building is showing settling in both the facilities workshop and the fleet central stores area and while currently not a structure issue, may be in the near future. The building does not currently meet some ADA requirements for facilities of this nature and size and the building has had multiple issues with water intrusion over the past ten years. It is in the intention that through this project Public Works administrative and management functions can be reviewed, centralized, and coordinated more efficiently. This project scope and cost is based upon engineering estimates and a space needs analysis done in 2013. Costs include the environmental remediation, the moving of the fuel island, the consolidation of the divisions into one building, and associated vehicle storage areas. Total square footage of existing buildings is 44,528. Public Works Administration and Fleet building was constructed in 1976 and the Solid Waste facility was constructed in 1990. /3	\$20,000,000	N/A	Unfunded	12/22/16		Matthew DiFiore

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1010	Largo	Stormwater Program Update	The City of Largo's Stormwater Program is faced with many challenges due to the age and condition of the City's stormwater infrastructure, status of compliance with stormwater regulations, and constrained Stormwater Program resources. This project is to develop a citywide comprehensive stormwater asset management plan (Plan). The Plan would provide the City with a framework for achieving sustainable stormwater management, operations, maintenance, and capital improvement programs. The goal is to develop a stormwater program that meets regulatory requirements for water quality and flood protection, achieves community and stakeholders expected level of service, is operationally attainable, and is financially and politically feasible to implement. Phase 1 of the initiative started in FY 2015 and includes development of a stormwater asset inventory (hard and natural assets), condition assessment and state of the system report. Phase 2 of the initiative, starting in FY 2016, would include analysis of management resources and systems (soft assets), level of service evaluation, funding and rate analysis, and stakeholder and public outreach. /1	\$250,000	FY 17	Stormwater (Local Fund)	12/22/16		Matthew DiFiore
1210	Largo	Regional Watershed Management Planning	The Regional Watershed Management Planning project was initiated in the FY2012-2016 CIP and identified the need for the development of a City-wide Watershed Management Plan for the various drainage basins (Starkey, Longbranch, Allen's Creek, McKay Creek) and sub-basins located in the City of Largo. This project included joint funding and participation with the South West Florida Water Management District, Pinellas County, City of Clearwater and other entities that share jurisdiction within the watersheds. The watershed management plans for McKay Creek, Allen's Creek, Long Branch Creek, Starkey Road Basin, and the Clearwater-Largo Road Drainage District Study were completed by FY14. The purpose of this project is to begin planning and designing stormwater system improvements based on the Best Management Practices (BMPs) identified in the Watershed Plans to address flooding, water quality, infrastructure rehabilitation, and meet regulatory requirements. This project will contribute to compliance with the City's National Pollutant Discharge Elimination System (NPDES) stormwater permit and pending Total Maximum Daily Loads (TMDL's) regulations which are administered by the Florida Department of Environmental Protection. /1	\$14,800.00	N/A	Unfunded	12/22/16		Matthew DiFiore
1090	Largo	WWRF Master Plan Improvements - Biological Treatment Systems	The City's Wastewater Reclamation Facility (WWRF) Master Plan encompasses a number of major wastewater infrastructure improvement projects intended to provide protection from sanitary sewer overflows, accommodate population growth, comply with effluent limitations, and replace deteriorated and antiquated infrastructure. /1	\$21,300.00	FY 18	Wasterwater (Local Fund)	12/22/16		Matthew DiFiore
1060	Lealman SFCD / Emergency Management	Fire Station #18 EOC Hardening	Harden by installing roll down shutters, 5 double doors, 3 single doors and 16 windows. Estimated completion time: more than 12 months. / 2	\$36,500	Currently Unfunded				
980	Lealman SFCD / Emergency Management	Fire Station #19 Secondary EOC Hardening	Harden by adding roll down shutters, 4 single doors and 5 windows. Estimated completion time: more than 12 months. / 2	\$12,700	Currently Unfunded				
860	Lealman SFCD / Emergency Management	Fleet Building Hardening	Harden with roll down shutters, 2 single doors and 1 window. Estimated completion time: less than 12 months. / 2	\$3,900	Currently unfunded				
840	Lealman SFCD / Emergency Management	Fleet Building Emergency Power	Evaluate and install quick connect and power transfer switch. Estimated completion time: less than 12 months. / 4	\$35,000	Currently Unfunded	EMPATF, HMGP; PDM Program			
890	Madeira Beach	Critical Facilities	Upgrade to secondary EOC. Estimated completion time: more than 12 months. / 4	\$15,000	Currently Unfunded	FMAP; HMGP; PDM Program	10/5/2016		Michelle Orton

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		Retrofit and Generators							
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	10/5/2016		Michelle Orton
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	10/5/2016		Michelle Orton
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	10/5/2016		Michelle Orton
1010	Madeira Beach	850 Bay Point Dr.	Mitigation of SRL Property 850 Bay Point Drive	\$200,000	Unfunded	HMGP & Private	10/5/2016		Michelle Orton
1010	Madeira Beach	822 Bay Point Dr	Mitigation of SRL Property 822 Bay Point Drive	\$200,000	Unfunded	HMGP & Private	10/5/2016		Michelle Orton
	Madeira Beach	13001 Boca Avenue	Mitigation of SRL Property 13001 Boca Avenue	\$200,000	Unfunded	HMGP & Private	10/5/2016		Michelle Orton
	Madeira Beach	847 Bay Point	Mitigation of SRL Property 847 Bay Point	\$200,000	Unfunded	HMGP & Private	10/5/2016		Michelle Orton
	Madeira Beach	14196 W Parsley	Mitigation of SRL Property 14196 W Parsley	\$200,000	Unfunded	HMGP & Private	10/5/2016		Michelle Orton
	Madeira Beach	911 Bay Point	Mitigation of SRL Property 911 Bay Point	\$200,000	Unfunded	HMGP & Private	10/5/2016		Michelle Orton
	Madeira Beach	577 Crystal Drive	Mitigation of SRL Property 577 Crystal Drive	\$200,000	Unfunded	HMGP & Private	10/5/2016		Michelle Orton
	Madeira Beach	Drainage Basin A - As depicted in the Stormwater Master Plan	Stormwater system upgrades to address flooding and tide control devices	\$2,142,000	Unfunded	EMPATF; HMGP; PDM Program	10/5/2016		Michelle Orton
	Madeira Beach	Drainage Basin B - As depicted in the Stormwater Master Plan	Stormwater system upgrades to address flooding and tide control devices	\$3,166,000	Unfunded	EMPATF; HMGP; PDM Program	10/5/2016		Michelle Orton
	Madeira Beach	Drainage Basin C - As depicted in the Stormwater Master Plan	Stormwater system upgrades to address flooding and tide control devices	\$8,100,000	Unfunded	EMPATF; HMGP; PDM Program	10/5/2016		Michelle Orton
	Madeira Beach	Drainage Basin D - As depicted in the Stormwater Master Plan	Stormwater system upgrades to address flooding and tide control devices	\$4,360,000	Unfunded	EMPATF; HMGP; PDM Program	10/5/2016		Michelle Orton

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	Madeira Beach	Drainage Basin E- As depicted in the Stormwater Master Plan	Stormwater system upgrades to address flooding and tide control devices	\$3,500,000	Unfunded	EMPATF; HMGP; PDM Program	10/5/2016		Michelle Orton
	Madeira Beach	Drainage Basin F - as depicted in the Stormwater Master Plan	Stormwater system upgrades to address flooding and tide control devices	\$2,200,000	Unfunded	EMPATF; HMGP; PDM Program	10/5/2016		Michelle Orton
	Madeira Beach	Underground Utilities	Underground utilities - East and West side streets	\$3,000,000	Unfunded	Local	10/5/2016		Michelle Orton
890	Morton Plant Hospital / Clearwater	Hospital Retrofit	Replace windows at Morton Plan Hospital's Adler/ Women's Center Estimated completion time: more than 12 months. / 2	\$680,000	Currently Unfunded	EMPATF, HMGP; PDM Program			
890	Morton Plant Hospital / Clearwater	Hospital Retrofit	Replace the lower roof of Witt South building at Morton Plant Hospital. Estimated completion time: more than 12 months. / 2	\$400,000	Currently Unfunded	FMAP; HMGP; PDM Program			
840	North Redington Beach / Public Works	Stormwater Management #1	Install storm water sewer valve to prevent storm water/tidal backup into the streets. Estimated completion time: less than 12 months. / 1	\$25,000	Currently Unfunded	FMAP; HMGP; PDM Program			
830	North Redington Beach / Public Works	Stormwater Management #2	Implement retrofit of the remaining 14 storm water valves. Estimated completion time: more than 12 months. / 1	\$210,000	Currently Unfunded	EMPATF, HMGP; PDM Program			
810	North Redington Beach / Public Works	Underground Utilities	Place underground utilities along Gulf Boulevard (NRB). Estimated completion time: more than 12 months. / 2	\$7,000,000	Currently Unfunded	EMPATF; HMGP; PDM Program			
950	Oldsmar / City Clerk; IT	COOP Document Imaging	Document management program utilizing scanning and digitization of vital records for off-site storage and retrieval. / 4	\$75,000	Currently Unfunded	EMPATF; HMGP; PDM Program	10/31/2016		Steven Everitt
880	Oldsmar / Planning and Redevelopment; Communications	Public Education and Information	Provide education and information to property and business owners about storm damage and ways to properly protect structures. Estimated completion time: more than 12 months. / 4	\$25,000	Currently Unfunded	EMPATF; HMGP; PDM Program	10/31/2016		Steven Everitt
940	Oldsmar / Public Works; Engineering	Storm Water Management Plan	Prepare a citywide drainage plan to minimize flooding throughout the City. Estimated completion time: more than 12 months. / 1	\$100,000	Currently Unfunded	FMAP; HMGP; PDM Program	10/31/2016	In-progress	Steven Everitt
995	Oldsmar / Public Works; Facilities	Harden/Retrofit City Hall	Replace windows at city hall. Estimated completion time: less than 12 months. / 2	\$150,000	Currently Unfunded	FMAP; HMGP; PDMP	10/31/2016		Steven Everitt
970	Oldsmar / Public Works; Facilities	Critical Facility Generator Retrofit	Replace electrical generating equipment at Water Reclamation Facility. Estimated completion time: less than 12 months. / 4	\$1,200,000	Currently Unfunded	State Revolving Funds, CDBGs; FMAP; HMGP; HMGP Planning	10/31/2016		Steven Everitt

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995	Oldsmar / Public Works; Storm Water	Mitigation/ Response/ Recovery Equipment	Purchase vacuum excavation system for the maintenance and recovery of all storm water inlets and structures. Estimated completion time: less than 12 months. / 1	\$50,000	Currently Unfunded	EMPATF; HMGP; PDM Program	10/31/2016		Steven Everitt
950	Oldsmar / Public Works; TECO	Bury Utilities Underground	Bury the overhead electric, telephone and cable TV utility lines in the Community Redevelopment District. Estimated completion time: more than 12 months. / 2	\$2,000,000	Currently Unfunded		10/31/2016		Steven Everitt
1160	Oldsmar / Public Works; Water Reclamation	Flood Proofing and Hardening of Sanitary Sewer Lift Stations	Storm proof and retrofit eight existing sanitary sewer lift stations within the flood plain. Estimated completion time: more than 12 months. / 1, 2	\$400,000	Currently Unfunded	EMPATF; HMGP; PDM Program	10/31/2016		Steven Everitt
930	PARC	Disabilities Registration	Provide computerized pre-registration for individuals with severe developmental disabilities. Estimated completion time: less than 12 months. / 4	\$25,000	Currently Unfunded				
920	PARC / St. Petersburg	Special Needs Shelter Retrofit	Harden PARC building to serve as a safe multi-hazard shelter including an emergency operation center. Estimated completion time: more than 12 months. / 2	\$4,000,000	Currently Unfunded				
920	PC Parks & Conservation Resources	Alligator Lake Habitat Restoration (845)	Comprehensive ecosystem restoration project for wetland and upland creation and enhancement and stormwater polishing. /2	\$180,000 300,000	FY2012 - FY2017	Grant; Local funds; SWFWMD	11/1/2016	Project on schedule in monitoring/maintenance phase	Steve Harper
680	PC Parks & Conservation Resources	Mobbly Bay Habitat Restoration (656)	Comprehensive ecosystem restoration project for wetland and upland creation and enhancement and stormwater polishing. /2	\$2,382,100 1,100,000	FY2012 - FY2017	Grant; Local funds; SWFWMD	11/1/2016	Project on hold due to withdrawal of funding commitment by SWFWMD	Steve Harper
1255	PC Planning and Development Review Services	Sea Level Rise Vulnerability Assessment	Pinellas County Sea Level Rise Vulnerability Assessment and Adaptation Strategies / 3	\$350,000	FY-2016 - FY2019	FBI U.S. Treasury	10/27/2016	Grant application approved	Chris Moore
1200	PC Public Safety	County-wide	Replace seven (7) existing radio shelters housing the infrastructure of Pinellas County's 800 MHz Intergovernmental Public Safety Radio System serving over 10,000 responders to meet national standards and practices as defined by the Association of Public Safety Communication Officials (APCO) and local building codes. Shelter structures must be constructed to eliminate the threat of flooding with elevated platforms and drainage, while protecting against hurricane force winds. The hardening of sites is one of the most critical elements in the construction of a reliable communications system to prevent radio communication failure and better serve public safety responders and the public during routine incidents and major disasters. Public safety grade shelters are imperative to ensure the ability of public safety users to communicate at all times.	\$15,130,000	FY16-18	Penny for Pinellas	10/27/2016		
1340	PC Public Works	Joes Creek Watershed Management Plan	Evaluate drainage patterns within Joes Creek watershed; identify flooding locations; develop BMPs to address the issues	\$500,000	FY2014 - FY2016	Surface Water Assessment and SWFWMD Grant	10/27/2016	Plan development in progress	Rahim Harji
1150	PC Public Works	Span Wire Intersection Replacement Program	Replacement of 24 existing span wire intersections with mast arms. Intersections are along major evacuation routes throughout Pinellas County. Approx. \$240k per intersection. Estimated completion time: more than 12 months. / 4	\$5.8 million	Unfunded	Seeking Pre-Disaster Mitigation Program grant funds	11/17/2016		Gina Harvey

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1130	PC Public Works	Stormwater Conveyance System Improvement Program (921321)	Replace/reline inadequate or deteriorating stormwater conveyance systems county wide. Estimated completion time: more than 12 months. / 1	\$44,025,000 \$34,225,000	FY2016 - FY2026 FY2015 - FY2024 In Progress	Penny for Pinellas	10/27/16	Added additional funding. Projects in progress	David Talhouk/Rahim Harji
1120	PC Public Works	Cross Bayou Improvements	Improve conveyance through Cross Bayou Canal and reduce duration of flooding. Removed material should be tested to account for pollutant removal. Estimated completion time: more than 12 months	\$6,770,000	FY2014 - FY2019	Penny for Pinellas	10/27/16	Project in progress	David Talhouk/Rahim Harji
1090	PC Public Works	118th Avenue Expressway (1618)	Build east-west evacuation route parallel to Ulmerton Rd. Estimated completion time: more than 12 months. / 4	\$37,926,500 0- 55,750,000	FY2012-- FY2017 FY2016- FY2020	Penny for Pinellas	11/17/2016		Gina Harvey
1020	PC Public Works	Roosevelt Channel 5 improvements	Various BMPs from the 1981 Watershed Master Plans, Removal of salinity barrier. <u>1, 3.</u> <u>Increase box culvert size; water treatment ponds.</u>	\$4,679,200 \$3,500,000	FY2015 - FY2019 In Progress	Penny for Pinellas	10/27/16	Increase box culvert size; water treatment ponds. Project in progress	David Talhouk/Rahim Harji
1020	PC Public Works	Pinellas County Stormwater Facilities (Countywide)	1, 2, 3	\$1,170,000	FY2016- 2018 2019	Penny for Pinellas	10/27/16	No Change Projects in progress	David Talhouk/Rahim Harji
1020	PC Public Works	McKay Creek Drainage/Hickory	1, 2, 3	\$1,000,000	FY2015-2017	Penny for Pinellas/FDOT	10/27/16	Project in progress	David Talhouk/Rahim Harji
930	PC Public Works	Sun Seair MHP	Reduce flooding at the Sun Seair MHP through conveyance improvements and construction of a wet detention pond. Estimated completion time: more than 12 months	\$1,075,000	FY2015 - FY2018 In Progress	Penny for Pinellas	10/27/16	Analysis determined that improvements would not result in meeting our LOS or provide relief from flooding. Tailwater too high. Maintenance provided some relief. Project cancelled.	David Talhouk
920	PC Public Works	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	\$4,250,000	FY2014 - FY2024	Penny for Pinellas/Local Option Gas Tax			
870	PC Public Works	Drainage Pond Compliance Program (1629)	Improve existing ponds for permit compliance. Estimated completion time: more than 12 months. / 1	\$4,509,500 \$4,421,500	FY2017FY2016- FY2025 FY2026 In Progress	Penny for Pinellas	10/27/16	Revised est cost and timeframe	David Talhouk/Rahim Harji

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870	PC Public Works	Bee Branch Drainage Improvements (922333)	Bank stabilization, erosion control, and drainage structure replacement. Estimated completion time: more than 12 months. / 3	\$2,990,000 6,570,900	FY2012 - FY2017 FY2018 Phase 2 complete, phase1 in progress	Penny for Pinellas; SWFWMD	10/27/16	Revised est cost and timeframe Phase 1 in progress. Other phases complete.	David Talhouk/Rahim Harji
860	PC Public Works	Antilles/Oakhurst Drainage Improvements (1820)	Improvements to alleviate street flooding. Estimated completion time: end of 2016. more than 12 months. / 1	\$3,160,000 \$2,214,900	FY2012 - FY 2017 6 In Progress (Construction 2016)	Penny for Pinellas	10/27/16	Revised est cost and timeframe Project under construction	David Talhouk/Rahim Harji
860	PC Public Works	Pinellas Trail - 54th Ave. Drainage Improvements (1823)	Alleviate flooding on 54th Ave. N, Pinellas Trail, and 97th Way. Estimated completion time: more than 12 months. / 1	\$1,975,000 2,050,000	FY2015 - FY2018 In Progress	Penny for Pinellas	10/27/16	Revised est cost. Project in progress	Rahim Harji
860	PC Public Works	Traffic Signal Mast Arms	Replacement of strain poles with mast arms at key intersections within unincorporated areas. Estimated completion time: more than 12 months. / 2	\$1,300,000	Unfunded	Seeking Pre-Disaster Mitigation Program grant funds	10/27/16		
830	PC Public Works	Cross Bayou Channel 2 - Rena Dr. (1821)	Improve Cross Bayou Channel 2 from 66th St. to Pinecrest Subdivision. Estimated completion time: more than 12 months. / 1	\$1,250,150, 000	FY2015- FY2017 FY2018 In Progress	Penny for Pinellas	10/27/16	Revised est cost and timeframe Project in progress	David Talhouk/Rahim Harji
1230	Pinellas Park	Garnett & North Disston Subdivisions - 40 acre +/- tract situated between 82nd Ave, 86th Ave & 46th St, 49th St	Install a stormwater collection and conveyance system in a subdivision originally developed in the 1960's and 70's. This would eliminate issues of localized flooding and dangerous stormwater inlets. / 1	\$4,028,386	Funded	Funding for the current phase is from a combination of funding sources including SWFWMD, FDOT & local coffers.	10/05/2016		C.W. Porter
1150	Pinellas Park /Public Works	Storm Hardening Preparedness Study	Consultant study to evaluate hardening structures for Public Works equipment protection / 4	\$25,000	12 Months / FY2015- 2016 Currently Unfunded	Infrastructure Sales Tax	10/05/2016		C.W. Porter
1070	Pinellas Park /Public Works	Northfield Manor Subdivision Drainage Improvements	Improve drainage in a 30-acre area: 102nd Avenue from 60th Street to 62nd Street / 1	\$4,125,000	36 to 48 months Design FY 2016- 2017 Construction FY2017-2018 and 2018-2019	Infrastructure Sales Tax	10/05/2016		C.W. Porter
890	Pinellas Park / Fire Dept.	Community Emergency Response Team (CERT).	Supply CERT Training to 60 trainees. Estimated completion time: less than 12 months. / 4	\$30,000	Currently Unfunded	EMPATF, HMGP; PDM Program, and local funds (i.e., Penny for Pinellas)	10/05/2016		C.W. Porter
970	Pinellas Park / Public Works	Structure Hardening - Forbes	Harden the recreation center to be used for sheltering and operations during and after a storm event. Estimated completion time: more than 12 months. / 2	\$775,000	Currently Unfunded	EMPATF, HMGP; PDM Program; & local funds	10/05/2016		C.W. Porter

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		Recreation Center							
940	Pinellas Park / Public Works	Hardening - Public Works / Technical Services Building	Harden the Public Works/Technical Services Building for sheltering and operations. Estimated completion time: more than 12 months. / 2	\$950,000	Currently Unfunded	HMGP, EMPATF, and local funds (i.e. Penny for Pinellas)	10/05/2016		C.W. Porter
920	Pinellas Park / Public Works	Hardening - Fire Station 35	Harden the station by stiffening the trusses and strapping them to the foundation, replacing garage doors, adding shutters, and replacing the roof. Estimated completion time: more than 12 months. / 2	\$800,000	Currently Unfunded	EMPATF, HMGP; PDM Program	10/05/2016		C.W. Porter
780	Pinellas Park / Public Works	Municipal EOC	Design, engineer, construct and equip an Emergency Operations and Command Center. Estimated completion time: more than 12 months. / 4	\$15,000,000	Currently Unfunded	Funding for the current phase is from local coffers. Funding for implementation could include: Local Funds, SWFWMD Grant, EMPATF, HMGP; PDM Program.	10/05/2016		C.W. Porter
970	Pinellas Park/ Police & Fire Administration	PD & FD Headquarters Consolidation	To develop at one location a facility to house the Police & fire Administrations as well as provide for a central first responders EOC that will also serve as the secondary EOC for the City. The structure will be built to withstand natural threats, allow for a centralized communication facility, and reduce the cost and increase the efficiency of coordination between these entities. Existing facilities exhibit varying degrees of vulnerability to hurricanes and storm surge. The proposed area in which this facility would be located is currently under served and holds great potential for a serious event. /4	\$12,580,000	Currently Unfunded	EMPATF, HMGP; PDM Program; & local funds	10/05/2016		C.W. Porter
1060	Pinellas Park/ Public Works	72nd Ave. Channel Culverting	Install a stormwater culvert at the headwaters of Pinellas Park Water Mgt. District Channel 3A to eliminate localized flooding. Additionally, this improvement would remove a hazard which when over t's banks can totally submerge a car and eliminate the opportunity for people and children to be caught up in moving waters. /1	\$5,500,000	Currently Unfunded	Funding for the current phase is from local coffers. Funding for implementation could include: Local Funds, SWFWMD Grant, EMPATF, HMGP; PDM Program	10/05/2016		C.W. Porter
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	10/05/2016		C.W. Porter
1020	Pinellas Park/ Public Works	Fairlawn Subdivision Drainage	Install a stormwater collection and conveyance system in a subdivision originally developed in the County in the 1960s and 70s. This would eliminate issues of localized flooding and dangerous stormwater inlets. /1	\$1,500,000	Currently Unfunded	Funding for the current phase is from local coffers. Funding for implementation could include: Local Funds, SWFWMD Grant, EMPATF, HMGP; PDM Program	10/05/2016		C.W. Porter

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980	Pinellas Park/ Public Works	Relocation or Construction of FS 34	Fire Station #34 at its present location cannot effectively service the geographic area which it originally serviced due to unanticipated growth and expansion. It is necessary to either relocate FS 34 or construct another station to serve the western third of the community. /4	\$7,000,000	Currently Unfunded	EMPATF, HMGP; PDM Program; & local funds	10/05/2016		C.W. Porter
945	Pinellas Park/ Public Works	Link 68th Street and Canal Street	Link 68th Street and Canal Street by installing a bridging system and connecting road approaches. This connection will afford secondary access and escape to two areas. The first being the western extension of 102nd Avenue which is the neighborhood of Cross Bayou Elementary School, Hospice of Pinellas Park, an ALF and a MHP. The other area is an industrial subdivision which is currently only accessible from Bryan Dairy Road. This connection will provide a secondary point for fire and emergency vehicle access. /4	\$750,000	Currently Unfunded	Funding for the current phase is from local coffers. Funding for implementation could include: Local Funds, SWFWMD Grant, EMPATF, HMGP; PDM Program	10/05/2016		C.W. Porter
905	Pinellas Park/ Public Works	Primary EOC and Storm Safe Parking Facility	Develop a storm safe multi-level parking garage with the City's Primary EOC atop of the structure. The EOC would be situated above both storm surge and 100 year floodplain hazards and be constructed to be wind resistant. The elevated status would provide for self-sufficiency by utilizing solar and wind energy to supplement the local power company source when power failure occurs. Additionally the structure would be constructed to protect response vehicles of personnel that are housed at the City Shelter next door. The structure would also be able to serve as a support feature for downtown development and support a future rail or BRT stop since the proposed site is near Park Station. /4	\$4,500,000	Currently Unfunded	HMGP, EMPATF, and local funds (i.e. Penny for Pinellas)	10/05/2016		C.W. Porter
835	Pinellas Park/ Public Works	78th Ave. and 78th St. Stormwater Improvements	Install a stormwater system to eliminate localized flooding. /1	\$750,000	Currently Unfunded	Funding for the current phase is from local coffers. Funding for implementation could include: Local Funds, SWFWMD Grant, EMPATF, HMGP; PDM Program	10/05/2016		C.W. Porter
1000	Pinellas Park	Replace Generator at Technical Services Building	Emergency Generator Installation to Maintain Service / 4	\$ 225,000	6 months FY 2017-2018	Infrastructure Sales Tax	10/05/2016		C.W. Porter
1180	Pinellas Park	Boardwalk and Restoration of Wetlands - Performing Arts Center/Englan d Brothers Park	Design work to improve drainage and natural functions of floodplain / 1	\$ 100,000	12 months FY 2017-2018	Local funding	10/05/2016		C.W. Porter
1270	Pinellas Park	Fire Station 35 Fuel Tank Replacement	Convault Tank Installation for Emergency Generator to Maintain Service / 4	\$ 35,000	6 months FY 2019-2020	Infrastructure Sales Tax	10/05/2016		C.W. Porter

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1090	Pinellas Park	98 th Avenue Pond Improvements	Improvement of wet pond to increase drainage capability for several single family subdivisions and a 60 acre park / 1	\$ 200,000	12 months FY 2016-2017	FDEP Grant and Pinellas Park Utility fees	10/05/2016		C.W. Porter
1090	Pinellas Park	Technical Services Pond Improvements	Restoration of a 9,095 s.f. dry pond, to improve environmental conditions (pond now wet) and increase drainage capability of an area serving mobile home parks and industrial uses / 1	\$ 200,000	12 months FY 2016-2017	FDEP Grant and Pinellas Park Utility fees	10/05/2016		C.W. Porter
1050	Pinellas Park	England Brothers Park Drainage and Water Quality Improvements	Improvements to increase drainage capability and water quality for a 42.5 acre drainage area that flows through Channel One into Cross Bayou / 1	\$ 768,125	18 months	SWFWMD Grant and Pinellas Park Utility fees	10/05/2016		C.W. Porter
1020	Pinellas Park	90 th Avenue Drainage Improvements	Design and construct drainage features and sidewalks on 90 th Avenue to provide better drainage to Jan Cory Subdivision / 1	\$ 260,000	12 months	Infrastructure Sales Tax and Pinellas Park Utility fees	10/05/2016		C.W. Porter
1110	Redington Shores / Emergency Management	Electric Roll-Up Impact Shutters Impact Windows for Town Hall EOC (Critical Facility)	Town Hall /EOC updates to existing for expedited response to emergency by reducing labor commitment and with revised Wind & Impact loads per current codes, located at 17425 Gulf Blvd. Estimated completion time: less than 12 months.	\$5015,000	Currently Unfunded Town Funded	EMPATF, HMGP; PDM Program	8/30/2016		Steve Andrews
1050	Redington Shores / Emergency Management	Flood proofing, Tie-Down or Re-elevation of Town Hall EOC (Critical Facility)	Town Hall /EOC updates to existing for Coastal High Hazard AE zone located at 17425 Gulf Blvd. Estimated completion time: more than 24 months.	\$2,150,000	Currently Unfunded	EMPATF, HMGP; PDM Program	8/30/2016		Steve Andrews
880	Redington Shores / Emergency Management	TV-Media Upgrades	CATV broadcasting equipment emergency replacement for public education & awareness to provide up to date info re: Evacuation & shelters, flood mitigation programs & projects prior to emergencies. Estimated completion time: less than 12 months. / 1	\$35,000	Town Funded	Town annual budget for EM.	8/30/2016		Steve Andrews
870	Redington Shores / Preservation / Parks area	Create a Beach (Erosion) Management plan.	Provide for plans and specifications to expand existing Dune System and Walkover use. Estimated completion time: more than 12 months. / 2	\$150,000	Currently Unfunded	CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants; HMGP Planning	8/30/2016		Steve Andrews
1240	Redington Shores / Flood Stormwater Planning	Create a Revised CRS program for the Town	Consultant to review/recommend program upgrades to flood management planning / 1 / 2	\$8,000	Town Funded	Local	8/30/2016		Steve Andrews
850	Redington Shores / Public Works	Stormwater Management	Rebuild stormwater drainage system in the last three (3) phases. Two phases were completed early 2006. Estimated completion time: more than 12 months. / 1	\$3,100,000	Funding by SWFWMD Grant and Town C.I.P. 2008-2009.	CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants	8/30/2016		Steve Andrews
830	Redington Shores / Public Works	Flood proofing, Structural Hardening of Town	Wet Flood Proofing and bracing the Town's existing Maintenance facility located at 155 174th Ave. E. Located in FEMA Zone AE-11. Estimated completion time: more than 12 months. / 1	\$150,000	Currently Unfunded	EMPATF, HMGP; PDM Program	8/30/2016		Steve Andrews

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		Maintenance Garage (Essential Facility)							
820	Redington Shores / Public Works	Underground Utilities	Place underground electrical, telephone and cable utilities to all properties along Gulf Boulevard from 175th Avenue to 83rd Terrace West. Estimated completion time: more than 12 months. / 2	\$7,500,000	Currently Unfunded	CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants; HMGP Planning	8/30/2016		Steve Andrews
960	Redington Shores / Sewer Department	Flood and wind retrofit of lift stations	Storm proof sanitary sewer lift stations (3). Estimated completion time: less than 12 months. / 1	\$550,000	Funding by SWFWMD Grant and Town C.I.P. 2008-2009.	Capitalization Grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants; HMGP Planning	8/30/2016		Steve Andrews
1320	Safety Harbor	Baytowne West Lift Station	Complete Renovation of Sanitary Sewer Lift Station. / 1,2	\$60,000	FY20/21 21/22	unfunded Local	10/21/2016		Michael Schoderbock
1320	Safety Harbor	Highlands Lift Station	Complete Renovation of Sanitary Sewer Lift Station. / 1,2	\$60,000	FY18/19	Local	10/21/2016		Michael Schoderbock
1320	Safety Harbor	North Bayshore Lift Station	Complete Renovation of Sanitary Sewer Lift Station. / 1,2	\$60,000	FY18/19 17/18	Local	10/21/2016		Michael Schoderbock
1320	Safety Harbor	Amber Glades Lift Station Repair	Complete Renovation of Sanitary Sewer Lift Station. / 1,2	\$120,000	FY15/16	Local	10/21/2016		Michael Schoderbock
1270	Safety Harbor	Cypress Hollow Lift Station Repair	Complete Renovation of Sanitary Sewer Lift Station. / 1,2	\$60,000	FY18/19 19/20	Local	10/21/2016		Michael Schoderbock
1270	Safety Harbor	Harbor Woods Lift Station Repair	Complete Renovation of Sanitary Sewer Lift Station. / 1,2	\$75,000	FY19/20 20/21	Local	10/21/2016		Michael Schoderbock
1240	Safety Harbor	South Bayshore Lift Station and Generator	Complete Renovation of Sanitary Sewer Lift Station. / 1,2	\$125,000	FY16/17 15/16	Local	10/21/2016		Michael Schoderbock
1180	Safety Harbor	City Hall Window Replacement	Replace City Hall windows with wind resistant / impact resistant product. / 2	\$150,000	FY16/17	Local	10/21/2016		Michael Schoderbock
1030	Safety Harbor	Lower Mullet Creek Project	Design of the Lower Mullet Creek project. Water Quality and Flooding. / 1,3,4	\$300,000	12-18 months	Unfunded- pending joint project with Pinellas County	10/21/2016		Michael Schoderbock
1030	South Pasadena / Public Works	City Hall Window Protection	Install protective window film on all windows in City Hall. Estimated completion time: less than 12 months. / 2	\$50,000	Currently Unfunded	Residential Construction Mitigation Program; EMPATF, HMGP; PDM Program			
1010	South Pasadena / Public Works	Finish Mast Arms on Evac Route	Install mast arms at 3 remaining locations on Pasadena Avenue. Estimated completion time: less than 12 months. / 2	\$1,500,000	Currently Unfunded	FDOT; EMPATF, Hazard Mitigation Grant Program; PDM Program.			

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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			
915	South Pasadena / Public Works	Bury Utilities	Bury utilities on all streets. Phase I - main roads \$1,500,000. Phase II - \$2,000,000. Estimated completion time: more than 12 months. / 2	\$3,500,000	Currently Unfunded	CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants; HMGP Planning			
780	St. Anthony's Hospital / St. Petersburg	Public Education	Develop a community education program to provide a better interface between the City and its stakeholders. Estimated completion time: less than 12 months. / 4	\$10,000	Currently Unfunded	Residential Construction Mitigation Program; EMPATF, HMGP; PDM Program			
780	St. Anthony's Hospital / St. Petersburg	ER Retrofit to provide surge capacity for emergencies	Build surge capacity for St. Anthony's Hospital including a new Emergency Dept. Estimated completion time: more than 12 months. / 4	\$2,000,000	Currently Unfunded	Residential Construction Mitigation Program; EMPATF, HMGP; PDM Program			
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	11/1/2016		Chelsey Welden
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	11/1/2016		Chelsey Welden
01175	St. Pete Beach	GIS/ Computer Hardware and Software Enhancement	Develop work order system w/GIS enhancements. Estimated completion time: less than 12 months. / 4	\$35,000	Currently Unfunded	Capitalization Grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants	11/1/2016		Chelsey Welden
01330	St. Pete Beach	City EOC Retrofit	Provide shutters for the city EOC. Estimated completion time: less than 12 months. / 2	\$40,000	Currently Unfunded	EMPATF, HMGP; PDM Program	11/1/2016		Chelsey Welden
0	St. Pete Beach	SCADA System / Lift Stations	Purchase a SCADA system for 17 wastewater pump/lift stations. Estimated completion time: more than 12 months. / 1	\$90,000	Currently Unfunded	EMPATF, HMGP; PDM Program	11/1/2016		Chelsey Welden
0	St. Pete Beach	Generators for Lift Stations	Procure emergency generators and electrical equipment for lift stations #2 and #3. Estimated completion time: less than 12 months. / 1	\$100,000	Currently Unfunded	Capitalization Grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants; HMGP Planning	11/1/2016		Chelsey Welden
0990	St. Pete Beach	Stormwater Management	City-wide drainage repairs and upgrades. Drainage upgrades (pipes, grading inlets and outfalls). Estimated completion time: more than 12 months. / 1	\$125,000,000	Currently Unfunded	FMAP; HMGP; PDM Program	11/1/2016		Chelsey Welden
8900	St. Pete Beach	Flood Proof Recreation Building	Flood-proof recreation building. Estimated completion time: more than 12 months. / 1	\$350,000	Currently Unfunded	FMAP; HMGP; PDM Program; EMPATF	11/1/2016		Chelsey Welden

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0	St. Pete Beach	Floodproof and retrofit Police Building/ City EOC	Flood-proof police building designated as the city's emergency operations center. Estimated completion time: more than 12 months. / 1	\$370,000	Currently Unfunded	FMAP; HMGP; PDM Program	11/1/2016		Chelsey Welden
0	St. Pete Beach	Flood and Wind Retrofit for Fire Station, Merry Pier and Old City Hall Complex storage tanks	Provide storm protection for fire station, Merry Pier and the Old City Hall complex's underground storage tanks. Estimated completion time: more than 12 months. / 1	\$370,000	Currently Unfunded	FMAP; HMGP; PDM Program; EMPATF	11/1/2016		Chelsey Welden
01000	St. Pete Beach	Seawall Improvement & stormwater project	Construct seawall improvements in Don CeSar Area throughout the City. Estimated completion time: more than 12 months. / 3	\$8400,000	Currently Unfunded	Capitalization Grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants; HMGP Planning	11/1/2016		Chelsey Welden
01000	St. Pete Beach	Acquisition of Repetitive Loss Properties	Purchase repetitive loss properties to mitigate losses. Estimated completion time: more than 12 months. / 1	\$1,000,000	Currently Unfunded	EMPATF, HMGP; PDM Program	11/1/2016		
0930	St. Pete Beach	Pump Station Force Main Replacement	Replace sanitary sewer force main from pump station #1 to St. Petersburg pipeline. Estimated completion time: more than 12 months. / 1	\$81,400,000	Currently Unfunded	Capitalization Grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants	11/1/2016		
0	St. Pete Beach	Riprap enhancement	Construct riprap enhancements at Blind Pass, Southernmost Jetty in Pass-a-Grille and Pass-a-Grille Channel. Estimated completion time: more than 12 months. / 3	\$2,000,000	Currently Unfunded	HMGP; PDM Program	11/1/2016		
0	St. Pete Beach	Flood-Proof City Hall Complex	Flood-proof first floor of existing city hall complex. Estimated completion time: more than 12 months. / 1	\$3,500,000	Currently Unfunded	HMGP and Local funding. FEMA SRL pilot program.	11/1/2016		Chelsey Welden
680	St. Pete Beach	Underground Utilities	Bury Vina Del Mar Gulf Blvd. utilities underground. Estimated completion time: more than 12 months. / 2	\$15,54,200,000	Currently Unfunded Partially Funded	FMAP; HMGP; PDM Program	11/1/2016		Chelsey Welden
1220	St. Pete Beach	Dune Creation	Create dunes where there are gaps in the system and restore those which do not meet current FDEP dune standards. This will protect the entire city against the impacts of storms and damage to lives and property. / 1,3	\$500,000	Currently Unfunded		11/01/2016		Chelsey Welden
1060	St. Pete Beach	Sea Level Rise Study	Identify areas which are particularly vulnerable to sea level rise and which experience frequent flooding and develop an action plan to mitigate future damages. Many areas of the city become inundated with water during storms and greatly affect the welfare of the community. By coming up with strategies to prevent this, the city reduces the threat level of flooding and erosion.	\$40,000	Currently Unfunded		11/01/2016		Chelsey Welden
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	9/26/2016		Noah Taylor

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Total Score	Jurisdiction/ Organization	Project Name	Description/ Natural Hazard Addressed Key: 1=Flooding; 2=Storm Wind; 3=Erosion; 4=All Hazard	Est. Cost	Timeframe / Status	Possible Funding Sources (see App 11 for key to acronyms)	Date Last Reviewed/ Updated	Review/Update Comments	Reviewer
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	9/26/2016		Noah Taylor
845	St. Petersburg / Development Svcs	Acquisition of Repetitive Loss Properties	Acquire repetitive loss properties to mitigate real property vulnerabilities. Estimated completion time: more than 12 months. / 1	\$1,000,000	Currently Unfunded	Residential Construction Mitigation Program; EMPATF, HMGP; PDM Program	9/26/2016		Noah Taylor
845	St. Petersburg / Development Svcs	Acquisition of Repetitive Loss Properties	Acquire repetitive loss properties to mitigate real property vulnerabilities. Estimated completion time: more than 12 months. / 1	\$1,000,000	Currently Unfunded	Residential Construction Mitigation Program; EMPATF, HMGP; PDM Program	9/26/2016		Noah Taylor
930	St. Petersburg / Stormwater, Pavements and Traffic Operations Dept	Backflow Prevention Stormwater Vaults	Project design, permitting and construction of flood protection vaults for City repetitive loss neighborhood. 47 vaults are planned for installation. / 1	\$2,855,000	FY16- FY18	PDM Program	9/26/2016		Noah Taylor
930	St. Petersburg / Stormwater, Pavements and Traffic Operations Dept	Backflow Prevention Stormwater Vaults	Project design, permitting and construction of flood protection vaults for City repetitive loss neighborhood. 47 vaults are planned for installation. / 1	\$2,855,000	FY16- FY18	PDM Program	9/26/2016		Noah Taylor
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	9/26/2016		Noah Taylor
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	9/26/2016		Noah Taylor
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	9/26/2016		Noah Taylor
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	9/26/2016		Noah Taylor
1320	St. Petersburg/ Public Works	EOC	Design construct and equip a municipal Emergency Operations Center Facility/4	\$3,500,000	Currently Unfunded	Penney for Pinellas/Local	9/26/2016		Noah Taylor
1320	St. Petersburg/ Public Works	EOC	Design construct and equip a municipal Emergency Operations Center Facility/4	\$3,500,000	Currently Unfunded	Penney for Pinellas/Local	9/26/2016		Noah Taylor
1190	St. Petersburg/ Public Works	Snell Isle & Raphael Blvd NE Drainage Improvements	Project will construct large conveyance piping to reduce street and property flooding. / 1	\$3,400,000	FY15 - FY18	Penney for Pinellas/Local	9/26/2016		Noah Taylor

Pinellas County Local Mitigation Strategy

Total Score	Jurisdiction/ Organization	Project Name	Description/ Natural Hazard Addressed Key: 1=Flooding; 2=Storm Wind; 3=Erosion; 4=All Hazard	Est. Cost	Timeframe / Status	Possible Funding Sources (see App 11 for key to acronyms)	Date Last Reviewed/ Updated	Review/Update Comments	Reviewer
1190	St. Petersburg/ Public Works	94th Ave. at Tinney Creek Storm Drainage Improvements	Project will construct large conveyance piping to reduce street and property flooding. /1	\$1,500,000	FY14 - FY18	Penney for Pinellas/Local	9/26/2016		Noah Taylor
1190	St. Petersburg/ Public Works	Snell Isle & Raphael Blvd NE Drainage Improvements	Project will construct large conveyance piping to reduce street and property flooding. /1	\$3,400,000	FY15 - FY18	Penney for Pinellas/Local	9/26/2016		Noah Taylor
1190	St. Petersburg/ Public Works	94th Ave. at Tinney Creek Storm Drainage Improvements	Project will construct large conveyance piping to reduce street and property flooding. /1	\$1,500,000	FY14 - FY18	Penney for Pinellas/Local	9/26/2016		Noah Taylor
1170	St. Petersburg/ Public Works	Oak Street NE and Gandy Blvd Storm Drainage Improvements	Project will construct large conveyance piping to reduce street and property flooding. /1	\$1,000,000	FY16- FY18	Local	9/26/2016		Noah Taylor
1130	St. Petersburg/ Public Works	4th St & 14th Ave N to Crescent Lake Storm Drainage Improvements	Design and construct larger conveyance piping to reduce street flooding 1 & 3	\$1,900,000	FY 15 - 19	Penney for Pinellas/Local	9/26/2016		Noah Taylor
1130	St. Petersburg/ Public Works	4th St & 14th Ave N to Crescent Lake Storm Drainage Improvements	Design and construct larger conveyance piping to reduce street flooding	\$1,900,000	FY 15 - 19	Penney for Pinellas/Local	9/26/2016		Noah Taylor
1000	St. Petersburg/ Public Works	8th Ave. S. & 44th St. S. Storm Drainage Improvements	Project will construct large conveyance piping to reduce street and property flooding. /1	\$4,500,000	FY15 - FY18	Penney for Pinellas/Local	9/26/2016		Noah Taylor
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	FY15 - FY18	Penney for Pinellas/Local	9/26/2016		Noah Taylor
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	9/26/2016		Noah Taylor
1430	St. Petersburg/ Public Works	Stormwater Management Master Plan Update	Update 1994 Stormwater Management Master Plan utilizing SWFWMD criteria. /1	\$1,800,000	FY17-FY20	SWFWMD/Local	9/26/2016		Noah Taylor

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1130	Tampa Bay Regional Planning Council / Pinellas County	Regional Public Education Initiative	With Pinellas County Emergency Management develop a county-wide public education program to address preparation and mitigation actions for all hazards related to hurricanes. All jurisdictions will benefit from this effort. Estimated completion time: less than 12 months. / 4	\$75,000	Currently Unfunded	EMPATF, HMGP, PDM Program			
940	Tampa Bay Regional Planning Council / Pinellas County	Post-Storm Evaluation of the Regional Evacuation Study	Evaluate the evacuation study to identify any discrepancies in the predicted and observed elements of the Regional Plan. Estimated completion time: less than 12 months. / 4	\$90,000	Currently Unfunded	EMPATF, HMGP; PDM Program			
1000	Tarpon Springs Building Development Division	FEMA Grant #1	SRL- Severe Repetitive Loss Grant / or HMGP Mitigation Reconstruction or Property Acquisition and Structure Demolition for Open Space / Hurricane Damage / 1	\$150,000 for SRL or HMGP / up to \$276,000 Acquisition, demolition, open space	FY 2017 Currently Unfunded	FEMA – SRL Grant FEMA – HMGP Grant FEMA – Property acquisition / Structural Demolition and Open Space through the HMA Program	10-24-16	This house is no longer habitable due to structural damage caused by flooding of the home during Hurricane Hermine	Heather Urwiller
1000	Tarpon Springs Building Development Division	FEMA Grant #2	SRL- Severe Repetitive Loss Grant / or HMGP Mitigation Reconstruction or Property Acquisition and Structure Demolition for Open Space / Hurricane Damage / 1	\$150,000 for SRL or HMGP / up to \$276,000 Acquisition, demolition, open space	FY 2017 Currently Unfunded	FEMA – SRL Grant FEMA – HMGP Grant FEMA – Property acquisition / Structural Demolition and Open Space through the HMA Program	10-24-16	This house is no longer habitable due to repetitive mold damage caused by flooding of the home during several flooding events including Hurricane Hermine	Heather Urwiller
940	Tarpon Springs Public Works Department	Window Replacement, Roof Replacement and Waterproofing of City Hall	Window replacement to meet current wind loads & improve energy efficiency, roof replacement, brick pointing and waterproofing of the exterior of City Hall / 2	\$2,100,000	6 months / currently under construction	City of Tarpon Springs General Fund and Penny for Pinellas	10-24-16		Heather Urwiller
1150	Tarpon Springs / Fire Department	Fire Station #71	Construct a new Fire Station	\$2,700,000	9 months / currently under construction	City of Tarpon Springs General Fund and Penny for Pinellas	10-24-16		Heather Urwiller
1290	Tarpon Springs Stormwater Division	SAP	Stormwater Capital Improvement plan. (SAP-Stormwater Action Plan) Estimated completion time: Ongoing. / 4	\$100,000 Annually	Currently funded	Stormwater Tax Assessment	10-24-16		Heather Urwiller
1060	Tarpon Springs Streets & Stormwater Division	Vehicles	Purchase Johnson Street Sweeper for in-house removal of roadside sediment & debris that would otherwise get into our stormwater system. Estimated completion time: Ongoing. / 1,3	\$240,000	Purchased	Stormwater Tax Assessment	10-24-16		Heather Urwiller
1130	Tarpon Springs Streets	Vehicles	Purchase CAT Mini Loader for in-house construction and maintenance of Stormwater infrastructure. Estimated completion time: Ongoing. / 1,3	\$89,000	Purchased	Stormwater Tax Assessment	10-24-16		Heather Urwiller

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Total Score	Jurisdiction/ Organization	Project Name	Description/ Natural Hazard Addressed Key: 1=Flooding; 2=Storm Wind; 3=Erosion; 4=All Hazard	Est. Cost	Timeframe / Status	Possible Funding Sources (see App 11 for key to acronyms)	Date Last Reviewed/ Updated	Review/Update Comments	Reviewer
	& Stormwater Division								
1080	Tarpon Springs Streets & Stormwater Division	Vehicles	Purchase Aquatech VacCon for in-house removal of sediment & debris that cause blockages of our stormwater system. Estimated completion time: Ongoing. / 1,3	\$350,000	Purchased	Stormwater Tax Assessment	10-24-16		Heather Urwiller
1170	Tarpon Springs Streets & Stormwater Division	Spruce Street flood abatement SAP 29	Project to reduce/eliminate localized flooding and emergency vehicle access.	\$151,230	Currently Unfunded	Stormwater Tax Assessment, EMPATF, HMGP; PDM Program	10-24-16		Heather Urwiller
1170	Tarpon Springs Streets & Stormwater Division	Avoka Drive flood abatement SAP 74	Project to reduce/eliminate localized flooding and emergency vehicle access.	\$255,600	Currently Unfunded	Stormwater Tax Assessment, EMPATF, HMGP; PDM Program	10-24-16		Heather Urwiller
1140	Tarpon Springs Streets & Stormwater Division	Mango Street & Mango Circle flood abatement SAP 102	Project to reduce/eliminate localized flooding and emergency vehicle access.	\$43,900	Currently Unfunded	Stormwater Tax Assessment, EMPATF, HMGP; PDM Program	10-24-16		Heather Urwiller
1160	Tarpon Springs Streets & Stormwater Division	Coburn Drive flood abatement SAP 39	Project to reduce/eliminate localized flooding and emergency vehicle access.	\$210,040	Currently Unfunded	Stormwater Tax Assessment, EMPATF, HMGP; PDM Program	10-24-16		Heather Urwiller
1160	Tarpon Springs Streets & Stormwater Division	Levis between Lime & Oakwood flood abatement SAP 25	Project to reduce/eliminate localized flooding and emergency vehicle access.	\$248,638	Currently Unfunded	Stormwater Tax Assessment, EMPATF, HMGP; PDM Program	10-24-16		Heather Urwiller
1190	Tarpon Springs Streets & Stormwater Division	Kenneth Way & Seaside flood abatement SAP 57	Project to reduce/eliminate localized flooding and emergency vehicle access.	\$91,000	Currently Unfunded	Stormwater Tax Assessment, EMPATF, HMGP; PDM Program	10-24-16		Heather Urwiller
1180 120	Tarpon Springs Housing Authority	Emergency Operations Generator	Emergency generator to allow operations during state of emergency, power outages or other events of power loss. 1 & 2	\$60K 64,200	Currently Unfunded	CDBG, HUD	9/21/2016		Michael Denehy
10408 00	Tarpon Springs Housing Authority	Landscape Restoration	Trimming of Palm, Planting of Sod & Shrubs, Repair of Erosion and Control of Runoff	\$52K 56,640	Currently Unfunded	CDBG, HUD	9/21/2016		Michael Denehy
10401 100	Tarpon Springs Housing Authority	Door & Window Upgrades	Door & Window Replacements to meet current wind codes & to improve energy efficiency.	\$90K 96,300	Currently Unfunded	CDBG, HUD	9/21/2016		Michael Denehy
1710	Treasure Island	Citywide Seawall Assessment and Repair for Locations NOT	Seawall repair/replacement. Estimated completion time: more than 12 months. / 4	\$630,000	Currently Unfunded	EMPATF, HMGP; PDM Program; CDBG	10/15/2016		Paulette Cohen

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		listed as a separate project (street ends, etc.)							
1070	Treasure Island	Emergency Generator	Mobile emergency generator to be used at lift stations during a power outage/ 4	\$56,000	18 to 24 months/ Currently Unfunded	Capitalization Grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP Nonpoint Source Implementation Grants; HMGP Planning	10/15/2016		Paulette Cohen
970	Treasure Island	Wind Retrofit of critical facilities	Harden critical municipal facilities including: PWorks Admin, PWorks Garage. Estimated completion time: more than 12 months. / 2	\$100,000	Funded by City	EMPATF, HMGP; PDM Program;	10/15/2016		Paulette Cohen
1290	Treasure Island	Stormwater Interceptor project in Sunset Beach and rehabilitation of underdrain system at lots 2 and 3 <u>improvement of stormwater discharge throughout the city and nearby areas/ 4</u>	At lots 2 and 3 and nearby areas <u>2016: Phase 4 & 5</u> <u>2017: Phase 6</u> <u>2018: Master Plan</u> <u>2019: Causeway Area</u> <u>2020: Sunshine Beach Area</u> <u>2021: Downtown Area</u>	\$3,105,000 \$2,780,000	<u>Partially Funded (50% funded by SWFWMD)</u> <u>FY16 - FY17</u> <u>Unfunded:</u> <u>FY 18- FY 21</u> <u>Currently Unfunded</u>	Capitalization Grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP; SWFWMD Cooperative Funding, Nonpoint Source Implementation Grants	10/15/2016		Paulette Cohen
1270	Treasure Island	Replacement of City Hall and seawall rehabilitation	Harden critical municipal facilities - Admin, Fire, and Police Estimated completion time: more than 12 months. / 2	\$8,000,000	Currently Unfunded	EMPATF, HMGP; PDM Program; CDBG; FMAP	10/15/2016		Paulette Cohen
1220	Treasure Island	Provide ten -- 10.5 and 5 hp pumps and controls to city lift stations	(Lift Station 7 - \$250,000)(Lift Station 9 - \$250,000)(Lift Station 8 - \$250,000)(Lift Station 6 - \$250,000) Harden critical municipal facilities - Estimated completion time: more than 12 months. / 4	\$1,000,000	Partially Funded by City	Capitalization Grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants; HMGP Planning	10/15/2016		Paulette Cohen
970	Treasure Island	Kingfish Park Seawall Rehabilitation	Repair/replace seawall: Estimated completion time: less than 12 months. / 3	\$45,000	<u>Currently Unfunded.</u> <u>Projected for FY 2018</u> <u>Currently Unfunded</u>	EMPATF, HMGP; PDM Program; CDBG	10/15/2016		Paulette Cohen
940	Treasure Island	Lift Station #4 - Refurbishment	Elevation of Controls & Electrical Equipment in Lift Station #4 Estimated completion time: more than 12 months. / 4	\$823,300	Partially Funded by City	Capitalization Grants for Clean Water State Revolving Funds; CDBG; FMAP; HMGP; Nonpoint Source Implementation Grants; HMGP Planning	10/15/2016		Paulette Cohen

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Total Score	Jurisdiction/ Organization	Project Name	Description/ Natural Hazard Addressed Key: 1=Flooding; 2=Storm Wind; 3=Erosion; 4=All Hazard	Est. Cost	Timeframe / Status	Possible Funding Sources (see App 11 for key to acronyms)	Date Last Reviewed/ Updated	Review/Update Comments	Reviewer
890	Treasure Island	GPS Inventory of Street Signs	Inventory all street and identification signs using GPS technology to facilitate replacement following a storm event. Estimated completion time: more than 12 months./ 4	\$50,000	<u>Currently Unfunded; Projected for FY 2018-18 to 24 months/ Currently Unfunded</u>	CDBG; HMGP; HMGP Planning	10/15/2016		Paulette Cohen
1060	Treasure Island	City Hall Seawall Rehabilitation	Repair/replace seawall adjacent to critical facilities: Estimated completion time: more than 12 months. / 3	\$660,000	Currently Unfunded	EMPATF, HMGP; PDM Program; CDBG	10/15/2016		Paulette Cohen
<u>970</u>	<u>Treasure Island</u>	<u>Electronic Information Signs at Bridges</u>	<u>Purchase and installation of four (4) electronic signs, to be placed at strategic locations on either side of the two bridges. Signs would afford motorists, cyclists, and pedestrian's sufficient opportunity to choose alternate travel routes in the event bridge(s) are closed for repairs, malfunction, traffic accidents, or other reasons. /4</u>	<u>\$600,000</u>	<u>Currently Unfunded; Projected for FY 2019</u>	<u>DOT Grant (County Incentive Program); CDBG; HMGP; HMGP Planning; Local Funding</u>	10/15/2016		Paulette Cohen
<u>1060</u>	<u>Treasure Island</u>	<u>Mitigation of Rising Sea Levels Study</u>	<u>Hire a consultant to conduct a study regarding rising sea level impacts and possible mitigation measures and associated mitigation measure costs for Treasure Island.</u>	<u>\$400,000</u>	<u>Currently Unfunded; Projected for FY 2021</u>	<u>DOT Grant (County Incentive Program); Capitalization Grants for Clean Water State Revolving Funds CDBG; HMGP; HMGP Planning; Local Funding</u>	10/15/2016		Paulette Cohen

APPENDIX 10
MITIGATION ACCOMPLISHMENTS AND SUCCESS STORIES

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APPENDIX 10: MITIGATION ACCOMPLISHMENTS AND SUCCESS STORIES

Introduction

As projects are funded and accomplished - either through federal, state or local resources – they move from the mitigation initiatives (Appendix 9) to the List of Accomplishments (Appendix 10) and new projects are then identified to keep the county moving forward. The list of Accomplishments (Attachment 1) does not include all of the projects completed over the last 5-10 years. In fact many of the successes funded locally, especially stormwater projects accomplished through local Capital Improvement Projects (CIPs) and transportation projects identified in the Transportation Improvement Program (TIPs), probably have not been captured. However, communities have recognized the benefit of celebrating these successes in the LMS. A significant effort was made by each of the members to identify their accomplishments.



Successful Mitigation Activities

Examples of some of the accomplishments within the County include the following:

1. One of the most striking examples has been the retrofit of existing schools in Pinellas County to serve as hurricane shelters. Using HMGP and state EMPA funds, more than 20 schools were retrofitted to American Red Cross standards (ARC 4496) reducing the county's shelter deficit. In 2001, Pinellas County surveyed the shelter inventory and found there was very little public shelter capacity that met the guidelines for the more than 200,000 population-at-risk from a major hurricane. In partnership with the state and the local school board, Pinellas County has increased their capacity to more than 50,000 spaces. In addition, the retrofitted schools and the new schools built to the Enhanced Hurricane Protection Area (EHPA) standards have a much better chance of withstanding a hurricane winds and therefore, being able to open more quickly moving the community to recovery more quickly.
2. Using funding from the state of Florida Community Trust Program, the state has acquired hundreds of millions of acres of land, now designated for public parks, open space and greenways. During fiscal year 2002-03, the FCT program funded 37 projects that acquired lands, which will prevent future development in Coastal High Hazard Areas and 100-Year floodplains. One such example is the Wall Springs Coastal addition in Pinellas County, which consisted of 87 areas of undeveloped privately owned land in the 100-Year floodplain. This area is surrounded by several properties that are presently on the FEMA repetitive loss list for Pinellas County. By acquiring these properties, the state is substantially reducing risk in these areas.
3. As a result of lessons learned from Project Impact Initiative, the state recognized that protecting the continuity of community businesses and industries after a disaster event is one of the most important aspects of hazard mitigation. Without a resilient economic base, affected communities cannot quickly recover and may experience permanent economic injury. Under the umbrella of Florida Prepares Initiative, the state using HMGP program 5% funds, partnered with the Tampa Bay Regional Planning Council to develop a motivational and

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informative interactive CD/DVD outreach tool that presents a unified approach to all aspects of business continuity. The project has resulted in the development of an educational business CD, a manual for completing a business continuity plan with an emphasis on pre-disaster mitigation, and a new webpage designed to complement the concepts presented in the manual. In 2008 the website (www.fl Disasterkit.org) was redesigned to include an updated guidebook and emergency checklists for employers and employees, an interactive template for Business Continuity Planning (the BCP Wizard) and a game which demonstrates the impact of choices regarding preparedness and mitigation to a small business' bottom line.

4. Using Flood Mitigation Assistance (FMA) program funds, the City of Indian Shores acquired a structure that was under HUD foreclosure action. The structure was abandoned, blighted and had become an eyesore to the community. The structure was acquired at a substantial savings well below market appraisal for properties in this coastal/oceanfront community. The structure was demolished and the site is presently used for parking.
5. In the spring of 2005, the City of Oldsmar applied for funds through the State of Florida – Joint Hazard Mitigation Grant Program & Flood Mitigation Assistance. The grant funding was made available by FEMA through the state as a result of a disaster declaration for Hurricane Frances in September 2004. The grant request was for a project costing \$103,723 to harden the city's Municipal Services complex which houses its Public Works and Leisure Services departments and divisions. This facility is also utilized as a staging center for equipment and personnel during times of disaster. Through the Pinellas County LMS the city was able to identify the project, add it to the LMS project list and receive the LMS letter of support for the grant funds. FEMA and the state awarded the city the 75% match grant funding in the spring of 2006 and the project was completed within six months of award. The work included hardening doors and frames, replacing overhead doors and shuttering windows. The facility is now much safer in a high wind event and permits the city to continue essential operations during disaster declarations.
6. In 2008, the City of Clearwater purchased the Friendly Village of Kapok Mobile Home Park to eliminate repetitive flood losses. A nature park was created on the site. The City of Dunedin elevated five repetitive loss structures, retrofitted 2 structures and completed one rebuild.
7. Indian Rocks Beach demolished 10 pre-FIRM structures and replaced with conforming structures. ~~Indian Shores completed a host of developed and implemented~~
8. Since 2010, Eckerd College constructed a new Center for Molecular and Life Sciences to withstand storm wind and flooding and hardened the envelope of the Sheen Science Center (3 buildings). In 2016, Eckerd College constructed a new facility called the Iota Lounge in the center of the Iota Residence Complex; it can withstand storm wind and flooding.
9. Madeira Beach has completed the reconstruction of their Municipal Complex including their City Hall, Fire Station, and Recreation Center to better withstand flooding and high winds.
10. Tarpon Springs completed a shoreline stabilization project (\$503,700) using Penny for Pinellas funding.

Since 2010, a host of stormwater projects have been completed throughout the County; critical facilities such as schools, the Medical Examiner/ Forensics Building and Community Centers have been hardened

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and lift stations elevated. In the county, 81 single family homes received a low interest loans from Pinellas County for hurricane mitigation.

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Table 10- 1: Mitigation Accomplishments

Project	Cost	Status	Funding	Date Last Reviewed/ Updated	Reviewer/ Update Comments
Belleair Beach					
Master Stormwater Plan for city-wide stormwater improvements and flood prevention	\$55,000	For Fiscal Year 2014-2015 <u>2015-16</u>	Currently Budgeted Local	<u>8/16/2016</u>	<u>Nancy Gonzalez</u>
Clearwater					
<u>Former Clearwater Christian College Property Acquisition</u>	<u>\$1,300,000</u>	<u>Project complete (2016)</u>	<u>Local</u>	<u>10/4/2016</u>	<u>Sarah Kessler</u>
<u>Fire Station 45 and EOC</u>	<u>\$10,500,000</u>	<u>Construction complete (2016)</u>	<u>Local and State</u>	<u>10/4/2016</u>	<u>Sarah Kessler</u>
<u>Fire Station 50</u>	<u>\$3,814,740</u>	<u>Currently in Design (2016)</u>	<u>Local and State</u>	<u>10/4/2016</u>	<u>Sarah Kessler</u>
<u>Police Shooting Range</u>	<u>\$2,382,819</u>	<u>Currently in Design (2016)</u>	<u>Local and State</u>	<u>10/4/2016</u>	<u>Sarah Kessler</u>
<u>Public Works Complex – Phase I Street Sweeping Facility</u>	<u>\$1,975,349</u>	<u>Currently in Construction (2016)</u>	<u>Local and State</u>	<u>10/4/2016</u>	<u>Sarah Kessler</u>
<u>Berkley Place Drainage Improvements</u>	<u>\$360,000</u>	<u>Project complete in 2016</u>	<u>Local and State</u>	<u>10/4/2016</u>	<u>Sarah Kessler</u>
<u>Lower Spring Branch Stormwater Improvements</u>	<u>\$1,800,000</u>	<u>Currently in Design (2016)</u>	<u>Local and State</u>	<u>10/4/2016</u>	<u>Sarah Kessler</u>
<u>Byram Ditch Bank Stabilization</u>	<u>\$330,000</u>	<u>Project complete in 2015.</u>	<u>Local and State</u>	<u>10/4/2016</u>	<u>Sarah Kessler</u>
<u>Druid Road Stormwater Improvements</u>	<u>\$2,825,000</u>	<u>Currently in Construction (2016)</u>	<u>Local and State</u>	<u>10/4/2016</u>	<u>Sarah Kessler</u>
<u>Mango Avenue Stormwater Improvements</u>	<u>\$1,600,000</u>	<u>Currently in Construction (2016)</u>	<u>Local and State</u>	<u>10/4/2016</u>	<u>Sarah Kessler</u>
<u>Glen Oaks Stormwater Improvement Project</u>	<u>\$2,500,000</u>	<u>Project completed in 2006.</u>	<u>Local and State</u>	<u>10/4/2016</u>	<u>Sarah Kessler</u>
<u>Lake Bellevue Stormwater Improvements</u>	<u>\$1,300,000</u>	<u>Project complete in 2007</u>	<u>Local and State</u>	<u>10/4/2016</u>	<u>Sarah Kessler</u>
<u>Woodlawn Terrace Stormwater Improvements</u>	<u>\$800,000</u>	<u>Project complete in 2015</u>	<u>Local and State</u>	<u>10/4/2016</u>	<u>Sarah Kessler</u>
<u>Hillcrest Avenue Bypass Culvert</u>	<u>\$3,900,00</u>	<u>Currently in Design (2016)</u>	<u>Local and State</u>	<u>10/4/2016</u>	<u>Sarah Kessler</u>
<u>East Gateway Stormwater Improvements</u>	<u>\$12,000,000</u>	<u>100% Design (2016)</u>	<u>Local and State</u>	<u>10/4/2016</u>	<u>Sarah Kessler</u>
<u>Solid Waste Transfer Facility</u>	<u>\$18,000,000</u>	<u>Currently in Design (2016)</u>	<u>Local and State</u>	<u>10/4/2016</u>	<u>Sarah Kessler</u>
<u>Cooper’s Point Master Plan</u>	<u>\$200,000</u>	<u>Currently in Design (2016)</u>	<u>Local and State</u>	<u>10/4/2016</u>	<u>Sarah Kessler</u>
<u>Renovations to Beach Marina Buiding</u>	<u>\$2,500,000</u>	<u>Project complete (2016)</u>	<u>Private and Local</u>	<u>10/4/2016</u>	<u>Sarah Kessler</u>
Purchase Friendly Village of Kapok Mobile Home Park to eliminate repetitive flood losses. A nature park was created on the site along with storm water improvements for the area to prevent flooding.	\$17,000,000	Complete	Local and State	<u>10/4/2016</u>	<u>Sarah Kessler</u>
Replace seawalls throughout Clearwater Beach. Estimated completion time: more than 12 months.	\$5,000,000	Funded and Underway	EMPATF, HMGP; PDM Program	<u>10/4/2016</u>	<u>Sarah Kessler</u>

Pinellas County Local Mitigation Strategy

Project	Cost	Status	Funding	Date Last Reviewed/ Updated	Reviewer/ Update Comments
Develop a CERT that is trained on How to Educate Homeowners on Mitigation Techniques.	\$37,000	Complete	Local and State	10/4/2016	Sarah Kessler
Purchase 2000Kw mobile generator	\$375,000	Currently being bid.	Local and State	10/4/2016	Sarah Kessler
Jeffords Street Outfall	\$1,000,000	Currently in Design.	Local and State	10/4/2016	Sarah Kessler
Magnolia Street Outfall	\$4,000,000	Currently in Design.	Local and State	10/4/2016	Sarah Kessler
Woodlawn Terrace Floodplain Storage	\$1,000,000	Currently under Construction	Local and State	10/4/2016	Sarah Kessler
Smallwood Circle Drainage Improvements	\$1,500,000	Currently under Construction	Local and State	10/4/2016	Sarah Kessler
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		
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	10/4/2016	Lisa Mets
Project: Hardening envelope (roof, windows) Sheen Science Center (3 buildings)	\$7,500,000	2013/14	Local	10/4/2016	Lisa Mets
East Lake Fire District					
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 Rocks Beach					
Demolished ten (10) pre-FIRM non-conforming structures and replaced them with conforming structures	\$2,432,000	Complete	Private	9/26/2016	Dean Scharmen

Pinellas County Local Mitigation Strategy

Project	Cost	Status	Funding	Date Last Reviewed/ Updated	Reviewer/ Update Comments
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	9/26/2016	Dean Scharmen
Design 11th Ave. through 13th Ave. drainage project to mitigate local flooding.	\$290,000	Complete	Local	9/26/2016	Dean Scharmen
Reclamation of 1.2 acres of wetlands to act as a flood buffer.	\$100,000	Complete	Local	9/26/2016	Dean Scharmen
Dune Walkovers	\$114,00	Complete	Local	9/26/2016	Dean Scharmen
Small Basin Reconstruction	\$375,000	Complete	Local	9/26/2016	Dean Scharmen
Stormwater Reconstruction	\$160,000	Complete	Local	9/26/2016	Dean Scharmen
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 struture. 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		
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		
Juvenile Welfare Board					
Kenneth City					
In 2015, the Town completed a \$1.2M repair to a tributary of Joe's Creek, whereby a semi-collapsed open ditch was replaced with an underground culvert/CMU box culvert system.	\$600,000	Completed	(\$600K secured through SWFWMD cooperative funding)		
Necessary repairs were completed to the Town's underground fuel storage tank, along with the acquisition of an emergency generator to supply back-up power in the event of an emergency in 2015	\$10,000	Completed			

Pinellas County Local Mitigation Strategy

Project	Cost	Status	Funding	Date Last Reviewed/ Updated	Reviewer/ Update Comments
Retrofit of Critical Facility/Storm shutters on PD and City Hall	\$46,000	Completed	EMPATF;HMGP; PDM Program		
Repairs to existing stormwater lines damaged by July Rain event		Underway	Local		
Re-sheathing of Public Works Building with wind-loaded exterior	\$400,000	Underway	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		9/16/2016	Matthew DiFiore
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		9/16/2016	Matthew DiFiore
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	9/16/2016	Matthew DiFiore
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		9/16/2016	Matthew DiFiore
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	9/16/2016	Matthew DiFiore
Channel 1 Drainage/Infrastructure Plan	\$1,919,213	Completed 2007	Local	9/16/2016	Matthew DiFiore
Suncoast Manor Drainage//Old Valencia Blvd. Plan	\$274,132	Completed 2007	Local	9/16/2016	Matthew DiFiore
McKay Creek Drainage Improvement Plan	\$1,549,460	Completed 2006	Local	9/16/2016	Matthew DiFiore
Purchasing and Demolition of Repetitive Loss Properties: 132 Gatewood Drive	\$149,000	Completed 2003	Local	9/16/2016	Matthew DiFiore
Purchasing and Demolition of Repetitive Loss Properties: 198 Gatewood Drive	\$190,000	Completed 2003	Local	9/16/2016	Matthew DiFiore
Purchasing and Demolition of Repetitive Loss Properties: 71 East Overbrook Drive	\$177,000	Completed 2005	Local	9/16/2016	Matthew DiFiore
Purchasing and Demolition of Repetitive Loss Properties: 2463 19th Place SW	\$127,500	Completed 2005	Local	9/16/2016	Matthew DiFiore
Rain Gauge Monitoring System Base Unit (32 units at \$1800 per unit)	\$57,600	Completed 1995-2007 (more added as budget permits)	Local	9/16/2016	Matthew DiFiore

Pinellas County Local Mitigation Strategy

Project	Cost	Status	Funding	Date Last Reviewed/ Updated	Reviewer/ Update Comments
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	9/16/2016	Matthew DiFiore
SCADA System for remote monitoring	\$1,350,000	Completed 2004	Local	9/16/2016	Matthew DiFiore
<u>Fire Station Bay Doors</u>	<u>\$144,710</u>	<u>Completed</u>	<u>General. (Local Fund)</u>	<u>9/16/2016</u>	<u>Matthew DiFiore</u>
<u>Waste Water Reclamation Facility Warehouse</u>	<u>\$3,426,795</u>	<u>Completed</u>	<u>Wastewater (Local Fund)</u>	<u>9/16/2016</u>	<u>Matthew DiFiore</u>
<u>IT Data Center</u>	<u>\$3,189,569</u>	<u>Completed</u>	<u>LOST</u>	<u>9/16/2016</u>	<u>Matthew DiFiore</u>
<u>Community Center</u>	<u>\$10,918,386</u>	<u>Completed</u>	<u>LOST</u>	<u>9/16/2016</u>	<u>Matthew DiFiore</u>
Lealman Fire District					
Madeira Beach					
Stormwater Master Plan Improvements	\$218,429	Underway Completed	Local	10/5/2016	Michelle Orton
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.)	\$275,000		Local	10/5/2016	Michelle Orton
<u>Municipal Seawall Replacement</u>	<u>\$204,693</u>	<u>Complete</u>	<u>-</u>	<u>10/5/2016</u>	<u>Michelle Orton</u>
Storm Drainage and Roadway Improvements Relating to Drainage – Normandy Road	\$1,180,000	Underway Completed	Local /Applied for Matching SWFWMD Cooperative Funding	10/5/2016	Michelle Orton
Storm Drainage and Roadway Improvements Relating to Drainage – Engineering Study – Boca Ciega Drive	\$80,000	Study underway Completed	Local (including a portion by Local Option Sales Tax)	10/5/2016	Michelle Orton
Municipal Complex Reconstruction (City Hall, Fire Station, Recreation Center and related outside activity areas)	\$8,630,000	This project has been approved and funded through municipal funding and bond issue. Project currently in permitting process. Construction to begin early 2014. Completed	Local oldsmar	10/5/2016	Michelle Orton
Stormwater Outfall Cleaning	\$180,000	On-going	Local	10/5/2016	Michelle Orton
<u>Boca Ciega roadway and Drainage Improvement Project (Address deteriorating roads, aging drainage infrastructure, store related flooding and pollutant discharge into Boca Ciega Bay)</u>	<u>\$3,927,000</u>	<u>Underway</u>	<u>City and SWFWMD</u>	<u>10/5/2016</u>	<u>Michelle Orton</u>
<u>140th Ave E & Bayshore Drive North Drainage Improvement (Install a new storm grate, baffle box and a pipe outfall to Boca Ciega Bay)</u>	<u>\$86,800</u>	<u>Underway</u>	<u>City and SFWMD</u>	<u>10/5/2016</u>	<u>Michelle Orton</u>
<u>American Legion Drive Drainage Improvement (Construct stormwater inlets and pipes to meet the 10 year MB design standards and install a BMP treatment train.)</u>	<u>\$600,000</u>	<u>In design</u>	<u>City and SFWMD</u>	<u>10/5/2016</u>	<u>Michelle Orton</u>

Pinellas County Local Mitigation Strategy

Project	Cost	Status	Funding	Date Last Reviewed/ Updated	Reviewer/ Update Comments
Rex Place Drainage Improvement (Alleviate flooding problems, treat water prior to discharge)	\$600,000	In design	City and SWFMD	10/5/2016	Michelle Orton
137th Avenue Circle Drainage Improvements (Upsize existing stormwater inlets and pipes to meet 10 year design standards. Installing pervious pavement, nutrient separating baffle box.)	\$935,000	In design	City and SWFMD	10/5/2016	Michelle Orton
860 Bay Point (Mitigation of RL Property-Construction Plan s submitted for review and permitting)	\$210,000	In design	HMGP & Private	10/5/2016	Michelle Orton
914 Bay Point (Mitigation of RL Property- Property sold, new owners reside out of state, yet to complete paperwork for the FEMA grant)	\$211,000	In design	HMGP & Private	10/5/2016	Michelle Orton
13101 4th Street (Mitigation of SRL property - Demolition in progress construction plans being prepared)	\$210,000	In design	HMGP & Private	10/5/2016	Michelle Orton
882 Bay Point Mitigation of SRL property – Design and construction plans in progress)	\$226,000	In design	HMGP & Private	10/5/2016	Michelle Orton
905 Bay Point Drive (Mitigation of SRL property – Ground floor under construction)	\$200,000	In design	HMGP & Private	10/5/2016	Michelle Orton
North Redington Beach					
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	10/31/2016	Steve Everitt
Pinellas County					
Sediment/erosion control, sediment removal, and/or stream bank/ channel stabilization for flood control purposes		Ongoing and completed	State and Local	10/26/16	Reviewed by: David Talhouk
1) Bee Branch	\$6,570,900	Phase 2 complete, phase 1 in progress	Penny for Pinellas; SWFWMD; Grant	10/26/16	Reviewed by: David Talhouk
2) Curlew Creek	\$7,115,800	-Complete	Penny for Pinellas; SWFWMD	10/26/16	Reviewed by: David Talhouk This is the same project as number 4 "Curlew Creek Channel A Improvements. Please delete.
3) Bear Creek Channel Improvements	\$8,301,120 \$2,908,900	FY2014 Complete	Penny for Pinellas; SWFWMD	10/26/16	Reviewed by: David Talhouk Corrected funding

Pinellas County Local Mitigation Strategy

Project	Cost	Status	Funding	Date Last Reviewed/ Updated	Reviewer/ Update Comments
43) Curlew Creek Channel A Improvements	\$7,115,800	Completed FY2012- FY2014 80% complete	Penny for Pinellas; SWFWMD	10/26/16	Reviewed by: David Talhouk
Animal Services Building Storm Hardening	\$256,670	Completed	HM Allocation/Local	10/26/2016	
Belleair Elementary School Storm Retrofit; new classroom will gain 783 shelter spaces	\$44,100	Completed	Local	10/26/2016	
Emergency Communications upgrade of radio system to SmartZone technology.	\$17,500,000	Complete	CIP/grants	10/26/2016	
EMS hardening of Sunstar Communications Center north wall and south alleyway enclosed.	\$310,000	Complete	General Fund	10/26/2016	
EMS A/C replacement for the radio and server room.	\$300,000	Complete	General Fund	10/26/2016	
EMS Sunstar Communications Center and radio room roof replacement.	\$150,000	Complete	General Fund	10/26/2016	
EMS Building Storm Hardening	\$272,294	Completed	HM Allocation/Local	10/26/2016	
High Point Elementary School Retrofit	\$6,002	Project Completed	Local	10/26/2016	
Medical Examiner/Forensics Building Storm Hardening	\$347,607	Completed	HM Allocation/Local	10/26/2016	
New Heights Elementary School Door Replacements in Building 2	\$33,927	Project Completed	Local	10/26/2016	
Public Works Storm Hardening - Generator Bldg., Traffic Bldg, Survey Bldg.	\$49,422	Completed	HM Allocation/Local	10/26/2016	
Ross Norton Community Center - Generator	\$70,322	Project Completed	Local	10/26/2016	
Skycrest Elementary School Storm Retrofit; new classroom will gain 783 shelter spaces	\$44,100	Completed	Local	10/26/2016	
Supervisor of Elections Building Storm Hardening (Starkey Rd)	\$98,271	Completed	HM Allocation/Local	10/26/2016	
Post-Disaster Redevelopment Plan, including Health/Human Services Component	\$120,000	Project completed; to be reviewed by BCC	CPI/Local	10/26/2016	
Post-Disaster Redevelopment Plan - Health/Human Services Component	\$40,000	Project completed; to be reviewed by BCC	HMGP/Local	10/26/2016	
Comprehensive Land Development Regulations Update - includes updating floodplain management regulations		Project in progress		10/26/2016	
Homeless Emergency Project was awarded for 4 single-family home roof replacements	\$38,000.00	Roof replaced with current building code standards.	CDBG	10/26/2016	
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	10/26/2016	
Pinellas County Community Development Low Interest Loan	\$1.4M	81 Single family homes received a Low Interest Loan from Pinellas County for hurricane mitigation.	CDBG; State Housing Initiatives Partners (SHIP); Housing Trust Fund (HFT)	10/26/2016	
Neighborhood Stabilization Program NSP	\$20,400 (est.)	10 homes remodeled, 2 with impact windows, 4 with metal storm panels	NSP 1	10/26/2016	

Pinellas County Local Mitigation Strategy

Project	Cost	Status	Funding	Date Last Reviewed/ Updated	Reviewer/ Update Comments
Neighborhood Stabilization Program NSP2	\$43,300 (est.)	13 homes remodeled, 4 with impact windows, 9 with metal storm panels	NSP2	10/26/2016	
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	10/26/2016	
The Glades Drainage Assessment	\$1,089,200	Completed	Penny for Pinellas/ Local	10/26/2016	
Cross Bayou Watershed Plan (132A)	\$514,600	Completed FY2013	Penny for Pinellas	10/26/16	Reviewed by: David Talhouk
Keystone Road Reconstruction	\$16,805,900	Completed FY2013	Penny for Pinellas	10/26/2016	
Bryan Dairy Road - Starkey to 72nd St.	\$9,275,400	Completed FY2013	Penny for Pinellas; Grants	10/26/2016	
Cross Bayou Watershed Plan	\$252,310	Completed FY2013	Penny for Pinellas; SWFWMD; Grant	10/26/2016	
Starkey Basin Watershed Mgt. Plan	\$607,200	Completed FY2013	Penny for Pinellas; SWFWMD; Gov't Reimbursement	10/26/2016	
Public Safety Facilities & Centralized Communications Center	\$72,981,800	Completed	Penny for Pinellas	10/26/2016	
Sea Level Rise: Implemented multi-departmental County Climate Team; joined efforts with TBRPC; contracted with UF/Sea Grant Program to initiate sea level rise conversations with municipalities	\$15,000	Ongoing	General Fund	10/26/2016	
Lealman Area Drainage Improvements (1628)	\$881,930	FY2012 to FY2014 Completed	Penny for Pinellas	10/26/2016	
Lealman Central Area Drainage Improvements (2027) Preliminary engineering for master drainage plan.	\$150,000	Completed	CDBG	10/26/2016	
Government Facilities Remodel & Renovation (1633)	12,275,500	Completed	Penny for Pinellas	10/26/2016	
Community Buildings Emergency Shelter Project (1843)	6,950,000	Completed	Penny for Pinellas	10/26/2016	
Allens Creek Watershed Management Plan	\$575,000	Complete	Surface Water Assessment Fee	10/27/16	Added by Rahim Harji
McKay Creek Watershed Management Plan	\$730,000	Complete	Surface Water Assessment Fee	10/27/16	Added by Rahim Harji
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	10/5/2016	C.W. Porter

Pinellas County Local Mitigation Strategy

Project	Cost	Status	Funding	Date Last Reviewed/ Updated	Reviewer/ Update Comments
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	10/5/2016	C.W. Porter
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	10/5/2016	C.W. Porter
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	10/5/2016	C.W. Porter
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	10/5/2016	C.W. Porter
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	10/5/2016	C.W. Porter
Stormwater Rehabilitation Program - Install and line galvanized culvert pipe through the City.	\$500,000	This is an annual ongoing project.	Local	10/5/2016	C.W. Porter
NFIP Map Update - This project involved an outreach to property property 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	10/5/2016	C.W. Porter
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	10/5/2016	C.W. Porter
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	10/5/2016	C.W. Porter
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	10/5/2016	C.W. Porter
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	10/5/2016	C.W. Porter
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	10/5/2016	C.W. Porter
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	10/5/2016	C.W. Porter
Homeland Drainage Improvement District Drainage Study - Determine improvement area through completion of a drainage study, including surveying, modeling and alternative evaluation.	\$3,750,000	Completed 2012	Local	10/5/2016	C.W. Porter

Pinellas County Local Mitigation Strategy

Project	Cost	Status	Funding	Date Last Reviewed/ Updated	Reviewer/ Update Comments
Annual Sanitary Sewer Rehabilitation & Relining - This program is an ongoing program that reduces the seepage of sewerage into the soils and water table as well as prohibit the infiltration of stormwater into the lines. This latter activity reduces the likelihood of line surcharge, line failure, and capacity at the treatment plant.	\$550,000 annually	Annual Project Ongoing	Local	10/5/2016	C.W. Porter
Longhill Drive Drainage Improvements - Project included the culverting of 1,200 LF of open ditch to eliminate erosion and discharge into yards and structures. Project decreased flooding but also included water quality improvements prior to discharge into Cross Bayou Canal.	\$1,176,680	Completed FY13-14	Local and SWFWMD Grant	10/5/2016	C.W. Porter
Emergency Generator Installation LS 27 to maintain service	\$70,000	Completed FY13-14	Local	10/5/2016	C.W. Porter
Emergency Generator Installation LS1 to maintain service	\$115,000	Completed FY13-14	Local	10/5/2016	C.W. Porter
Garnett & North Disston Subdivisions - 40 acre +/- tract situated between 82nd Avenue 86th Avenue & 46th Street, 49th Street-Install a stormwater collection and conveyance system in a subdivision originally developed in the 1960's and '70's. This would eliminate issues of localized flooding and dangerous stormwater inlets.	\$5,920,614	Complete	SWFWMD Grant, FDOT Grant, FDEP Grant, TIF, Pinellas Park Water and Sewer Fund, and Infrastructure Sales Tax	10/5/2016	C.W. Porter
Northfield Manor Subdivision Drainage Improvements-Improve drainage in a 30 acre area: 102nd Avenue from 60th Street to 62nd Street.	\$5,000	Complete	Operating Funds	10/5/2016	C.W. Porter
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	8/19/2016	Adriana Nieves
Flood mitigation of town streets and roads, milling & resurfacing	\$2,000,000	Completed in 2012	Local	8/19/2016	Adriana Nieves
Replace intracoastal causeway northside seawall Repair intracoastal causeway seawalls	\$175,000	Completed in 2015 Underway	Local	8/19/2016	Adriana Nieves
Redington Shores					
Elevated Town Hall / EOC Building. Constructed on fill to elevation 12.0 NGVD. Zone AE.	\$600,000	Complete 2001	Local	8/30/2016	Steve Andrews
Storm water retrofit project for areas east of Gulf Blvd. Water quality improvement by filtering street rainfall run-off.	\$3,100,000	Complete 2010	Local and State	8/30/2016	Steve Andrews
TV / Media Upgrades :CATV broadcasting equipment emergency replacement for public education & awareness to provide up to date info re:Evacuation & shelters, flood mitigation programs & projects prior to emergencies.	\$35,000	Complete 2013	Local	8/30/2016	Steve Andrews
Kayak Ramp : ShorelineProtection to provide erosion control of park open shore due to 4 foot change in grade within 30 feet of top of bank ACOE and FDEP approved 5 foot wide concrete ramp and planting of Red Mangroves in unstabilized areas.	\$8,500	Complete 2013	Local	8/30/2016	Steve Andrews
T.S. Debby : Emergency response to Town Infrastructure due to wind, erosion, and flooding Re; Debris Removal, Sewer, Street, Parks and Roof Repairs.	\$12,625	Complete 2013	Local and State	8/30/2016	Steve Andrews
Town Hall / EOC Impact Shutters revised to impact windows	\$15,000	Bid & Scheduled to start September 2016	Local	8/30/2016	Steve Andrews
Safety Harbor					

Pinellas County Local Mitigation Strategy

Project	Cost	Status	Funding	Date Last Reviewed/ Updated	Reviewer/ Update Comments
Public Works dewatering pump replacement	\$18,000	Complete	Local	10/21/2016	Michael Schoderbock
Harden Safety Harbor EOC – Impact resistant windows and doors.	\$15,000	Complete	Federal, State, Local	10/21/2016	Michael Schoderbock
Harden Fire Station #52 – Impact resistant windows, doors, garage doors.	\$110,000	Complete	Federal, State, Local	10/21/2016	Michael Schoderbock
Harden Fire Station #53 and upgrade EOC	\$250,000	Complete	Local	10/21/2016	Michael Schoderbock
East Gate Drainage Improvements	\$1,442,811	Complete	Local and State	10/21/2016	Michael Schoderbock
South Green Springs - Improvements to minimize street flooding.	\$1,500,000	Complete	Local	10/21/2016	Michael Schoderbock
11th Ave. S. Brick Street & Drainage Improvements	\$701,339	Complete	Local and State	10/21/2016	Michael Schoderbock
Street and Yard Flooding - 2nd Ave. N.	\$1,300,000	Complete	Local	10/21/2016	Michael Schoderbock
Rigsby Center/Hurricane Shutters Installed	\$1,438	Complete	Local	10/21/2016	Michael Schoderbock
Parks & Bldg. Maintenance/Hurricane Shuitters and Wind rated Bay/Garage doors installed.	\$4,021	Complete	Local	10/21/2016	Michael Schoderbock
Street Flooding Improvements - Bailey Street	\$430,000	Complete	Local	10/21/2016	Michael Schoderbock
Bishop Creek Erosion and Storm Water Control, Harbor Woods	\$906,857	Complete	Local and State	10/21/2016	Michael Schoderbock
Fire Station #53, Replace Ladder Truck and special Equipment	\$510,000	Complete	Local	10/21/2016	Michael Schoderbock
Bishop Creek Erosion and Storm Water Control, Rainbow Farms Ph 1.	\$1,300,000	Complete	Local and State	10/21/2016	Michael Schoderbock
Library/Hurricane Shutters for existing building	\$7,058	Complete	Local	10/21/2016	Michael Schoderbock
Daisy Douglas Park/Wind rated garage doors installed.	\$1,464	Complete	Local	10/21/2016	Michael Schoderbock
Fire Station #53/hurricane shutters installed	\$1,398	Complete	Local	10/21/2016	Michael Schoderbock
Public Works Office Facility/Hurricane shutters installed	\$1,538	Complete	Local	10/21/2016	Michael Schoderbock
North City Park/Wind rated garage doors installed	\$1,392	Complete	Local	10/21/2016	Michael Schoderbock
Master Lift Station: new generator and pumps	\$70,000	Complete	Local	10/21/2016	Michael Schoderbock
Fire Station #52: New generator	\$75,000	Complete	Local	10/21/2016	Michael Schoderbock
Fire Station #53: New generator	\$60,000	Complete	Local	10/21/2016	Michael Schoderbock
Fire Station #53: Building to house new generator	\$50,000	Complete	Local	10/21/2016	Michael Schoderbock
Public Works replacement of a generator	\$40,000	Complete	Local	10/21/2016	Michael Schoderbock
South Bayshore Drainage/Water Quality Improvements	\$2,289,313	Completed	Federal, State, Local	10/21/2016	Michael Schoderbock
Cypress Trace Lift Station	\$60,000	Completed	Local	10/21/2016	Michael Schoderbock

Pinellas County Local Mitigation Strategy

Project	Cost	Status	Funding	Date Last Reviewed/ Updated	Reviewer/ Update Comments
Briar Creek Lift Station	\$70,000	Completed	Local	10/21/2016	Michael Schoderbock
Amber Glades Lift Station Repair	\$90,000	Completed	Local	10/21/2016	Michael Schoderbock
Seminole					
Construct emergency operations center and public works garage. Estimated completion time: more than 12 months.	\$6,500,000	Complete 2013	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	9/26/2016	Noah Taylor
1st St. N. storm water project	\$5,788,000	Complete	Local	9/26/2016	Noah Taylor
Highland St. storm water project.	\$844,000	Complete	Local	9/26/2016	Noah Taylor
Nebraska Ave. NE storm water project.	\$200,000	Complete	Local	9/26/2016	Noah Taylor
3rd St. Bayboro storm water project.	\$3,668,000	Complete	Local	9/26/2016	Noah Taylor
4th St. S. Bayboro storm water project.	\$2,369,000	Complete	Local	9/26/2016	Noah Taylor
Floral Lake storm water project	\$308,000	Complete	Local	9/26/2016	Noah Taylor
Mirror Lake alum injection system.	\$553,000	Complete	Local	9/26/2016	Noah Taylor
Booker Creek Maintenance at Tropicana Dome.	\$203,000	Complete	Local	9/26/2016	Noah Taylor
8th St. drain storm water project.	\$2,558,000	Complete	Local	9/26/2016	Noah Taylor
67th St. drain storm water project.	\$681,000	Complete	Local	9/26/2016	Noah Taylor
Lake Winston storm water project.	\$2,261,000	Complete	Local	9/26/2016	Noah Taylor
31st St. S storm water project.	\$576,000	Complete	Local	9/26/2016	Noah Taylor
Tinney Creek rehab. project.	\$194,000	Complete	Local	9/26/2016	Noah Taylor
Ponds Ditch rehab. project.	\$30,000	Complete	Local	9/26/2016	Noah Taylor

Pinellas County Local Mitigation Strategy

Project	Cost	Status	Funding	Date Last Reviewed/ Updated	Reviewer/ Update Comments
Clam Bayou retrofit project	\$286,000	Complete	Local	9/26/2016	Noah Taylor
Ditch piping project - 4 locations throughout the city.	\$3,578,000	Complete	Local	9/26/2016	Noah Taylor
Bayou Grande Blvd. NE project.	\$398,000	Complete	Local	9/26/2016	Noah Taylor
Roser Park Creek project.	\$1,000,000	Complete	Local	9/26/2016	Noah Taylor
King St. N. drainage improvements	\$2,966,000	Complete	Local	9/26/2016	Noah Taylor
Oak St. NE drainage improvements	\$344,000	Complete	Local	9/26/2016	Noah Taylor
Riviera Bay & Snell Isle Stormwater Vaults	\$1,400,000	Complete	Penney for Pinellas/Local	9/26/2016	Noah Taylor
MLK Street N. Part 2 Storm Drainage Improvements	\$5,958,000	Complete	SWFWMD/Local	9/26/2016	Noah Taylor
Golf Creek, 13 th A/N & Vicinity Stormwater Improvements	\$1,600,000	Complete	SWFWMD/Local	9/26/2016	Noah Taylor
Jungle Lake Outfall Storm Drainage Improvements	\$2,980,000	Complete	SWFWMD/Local	9/26/2016	Noah Taylor
Jungle Lake Northeast Basin Storm drainage Improvements	\$3,557,000	Complete	SWFWMD/Local	9/26/2016	Noah Taylor
94th Ave. at Tinney Creek Storm Drainage Improvements	\$1,500,000	Complete	Penney for Pinellas/SWFWMD/Local	9/26/2016	Noah Taylor
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	9/26/2016	Noah Taylor
Flood and Wind Retrofit of Municipal Buildings	\$310,000	Complete	Federal and Local	9/26/2016	Noah Taylor
St. Pete Beach					
SCADA System / Lift Stations Purchase a SCADA system for 17 wastewater pump/lift stations.	\$90,000	Completed	City funds	11/1/2016	Chelsey Welden
Generators for Lift Stations Procure emergency generators and electrical equipment for lift stations #2 and #3.	\$100,000	Completed	City funds	11/1/2016	Chelsey Welden
Tarpon Springs					
Riverside and Hillside Drive Stormwater Improvements	\$67,000	Engineering Design & Permitted Construction Conceptual Design	SW Utility	10/24/2016	Heather Urwiller
Walton Avenue Evacuation Route SW Improvements	\$224,000	Under Construction	SW Utility	10/24/2016	Heather Urwiller

Pinellas County Local Mitigation Strategy

Project	Cost	Status	Funding	Date Last Reviewed/ Updated	Reviewer/ Update Comments
Pent Street/Grosse Avenue Flooding Abatement Project Pent Street Flooding/Drainage Improvements	\$1,122,000	Engineering Design, Survey Underway Conceptual Design	SW Utility & Approved SWFWMD CFI	10/24/2016	Heather Urwiller
Disston and Tarpon Ave Evac Route SW Improvements	\$428,000	Design Complete	SW Utility	10/24/2016	Heather Urwiller
Kenneth Way Flooding/Drainage Improvements	\$91,000	Conceptual Design	SW Utility	10/24/2016	Heather Urwiller
Center Street at Disston Ave Flooding/Drainage Improvements	\$573,000	Alternatives Analysis Underway	SW Utility	10/24/2016	Heather Urwiller
Athens St. and Dodecenase Sponge Docks Flooding/Drainage Imp.	\$27,000	Engineering Design Conceptual Design	SW Utility	10/24/2016	Heather Urwiller
Palm Avenue Flooding/Drainage Improvements	\$728,000	Conceptual Design, Application to SWFWMD for CFI	SW Utility & CFI Application Submitted	10/24/2016	Heather Urwiller
Chesapeak Drive Flooding/Drainage Improvements	\$185,000	Under Construction	SW Utility	10/24/2016	Heather Urwiller
Hibiscus Street Flooding/Drainage Improvements	\$90,100	Under Construction	SW Utility	10/24/2016	Heather Urwiller
Highland Ave. & Vista Pl./Jasmine Ave. & Lime St. Highland Avenue at Vista Place Flooding/Drainage Improvements	\$161,500	Engineering Design, Survey Underway Conceptual Design	SW Utility & Approved SWFWMD CFI	10/24/2016	Heather Urwiller
Disston Ave between Spruce and Live Oak Flooding/Drainage Imp	\$581,000	Conceptual Design	SW Utility	10/24/2016	Heather Urwiller
S&R Boat	\$15,000	Purchased 2014	Penny and City	10/24/2016	Heather Urwiller
Tarpon Springs Shoreline Stabilization (1069)	\$503,700	Completed 2014	Penny for Pinellas	10/24/2016	Heather Urwiller
Fire Station #71 – Construct a new Fire Station to reach the community during an emergency for a more rapid response time	\$2,700,000	Under construction	City of Tarpon Springs and Penny for Pinellas	10-24-16	
Window replacement, roof replacement, pointing of the brick and waterproofing City Hall.	\$2,100,000	Under construction	City of Tarpon Springs and Penny for Pinellas	10-24-16	
Riverside Drive Flooding Abatement	\$2,800	Completed	S Utility	10-24-16	
Bath St./Shaddock Ave. Alley	\$9,870	Completed	S Utility	10-24-16	
Stormwater Infrastructure (GIS) Assessment Project	\$200,000	Data Collection, Application to SWFWMD for CFI	S Utility & CFI Application Submitted	10-24-16	
Treasure Island					
Elevated three structures above the base floor elevation	\$100,000	Complete	Private	10/15/2016	Paulette Cohen

Pinellas County Local Mitigation Strategy

Project	Cost	Status	Funding	Date Last Reviewed/ Updated	Reviewer/ Update Comments
Demolished three structures and replaced with conforming structures.	\$1,500,000	Complete	Private	10/15/2016	Paulette Cohen
Demolished one structure in flood area.	\$800,000	Complete	Local and State	10/15/2016	Paulette Cohen
Applications pending to elevate two structures above the base floor elevation	\$210,000	Underway	Private and State	10/15/2016	Paulette Cohen
Drainage improvements in the Sunset Beach neighborhood to reduce flooding.	\$300,000	Complete	Local and State	10/15/2016	Paulette Cohen
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	10/15/2016	Paulette Cohen
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	10/15/2016	Paulette Cohen
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)	10/15/2016	Paulette Cohen
2013 Elevated 2 structures above BFE	\$459,000	Complete	Private	10/15/2016	Paulette Cohen
2013 Demolished one structure in flood area (no replacement)	\$10,000	Complete	Private	10/15/2016	Paulette Cohen
Permits issues to elevate one structure above the base floor elevation (to be completed in 2014)	\$1,430,000	Underway	Private	10/15/2016	Paulette Cohen
Demolition of 7 non-FEMA compliant structures (2015)	\$64,700	Complete	Private	10/15/2016	Paulette Cohen
Drainage improvements in the Sunset Beach neighborhood to reduce flooding. (One phase)	\$914,000	One Phase Complete	Local and State	10/15/2016	Paulette Cohen
Palms Bridge replacement	\$1,657,638	Complete	Local	10/15/2016	Paulette Cohen
Capri Bridge replacement	\$2,244,517	Complete	Local	10/15/2016	Paulette Cohen
Main Lift Station Refurbishment	\$429,176	Complete	Local	10/15/2016	Paulette Cohen
Lift Station #3 Refurbishment	\$244,339	Complete	Local	10/15/2016	Paulette Cohen
Emergency Generator	\$56,400	Complete	Penny for Pinellas, Local (Wastewater General Fund)	10/15/2016	Paulette Cohen

APPENDIX 11
POTENTIAL FUNDING SOURCES

Pinellas County Local Mitigation Strategy

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APPENDIX 11: POTENTIAL FUNDING SOURCES

Introduction

One of the requirements for the LMS is the identification of potential funding for mitigation projects. Federal, state and local governments have programs which provide funding for various types of mitigation. Some funding is available prior to a disaster while other programs are initiated in a post- disaster scenario. Typically, many more resources specifically earmarked for mitigation activities are available following a federal disaster declaration.



Local and state agencies have dedicated financial resources toward the funding of mitigation projects. The majority of the state funds that indirectly support mitigation related activities are provided for land acquisition, water quality and quantity-related issues as well as meeting non-federal match requirements for various federally-funded mitigation assistance programs. Similarly, local governments fund various projects including implementation of growth management initiatives; planning, permitting and code enforcement; acquisition and maintenance of parks and conservation areas; stormwater projects; housing mitigation assistance programs for low and moderate income citizens; and construction and structural hardening of critical facilities, such as public safety and emergency operations centers, fire and police stations, city halls, etc.

Both the State of Florida and local governments leverage funds available from federal and state sources to provide financial assistance to implement the hazard mitigation projects that have been identified, prioritized and documented by the Local Mitigation Strategy (LMS) Working Group as well as the projects submitted under the Flood Mitigation Assistance Program (FMAP), Repetitive Flood Claims and Severe Repetitive Loss Programs.

Pre-Disaster Mitigation Funding

KNOWN CHANGES TO FEDERAL FUNDING

The Biggert-Waters Flood Insurance Reform Act of 2012, found in H.R. 4348, consolidates three of the NFIP funded mitigation programs described below into a single program. The combined “National Flood Mitigation Fund” is to be funded at \$90 million per year. While the old FMA and pilot SRL program were funded annually at up to \$40 million per year each, and the RFC program at up to \$10 million annually, the SRL program was never fully utilized in part due to its complexity. The new program simplifies and combines the three previous programs and includes the following elements:

- Encourages flood mitigation planning to be integrated into a community’s multi-hazard mitigation plan
- Adds demolition/ rebuild (mitigation reconstruction) as an allowed mitigation activity under all programs
- Caps the use of mitigation grant funds for mitigation planning activities at \$50,000 (states) and \$25,000 (communities)

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- Provides for denial of grant funds if not fully obligated in five years
- Restructures federal share requirement:
 - Up to 100 percent for severe repetitive loss structures (four or more claims of over \$5000 or two or more claims exceeding value of structure)
 - Up to 90 percent for repetitive loss structures (two claims over a 10 year period averaging at least 25 percent of value of structure)
 - Up to 75 percent for other approved mitigation activities.

For more information, see the *State of Florida Enhanced Hazard Mitigation Strategy* (2013).
www.floridadisaster.org/mitigation

NATIONAL FLOOD INSURANCE PROGRAM

To enable persons to purchase insurance against physical damage to or loss of buildings and/or contents therein caused by floods, mudslide (i.e., mudflow), or flood-related erosion, thereby reducing Federal disaster assistance payments, and to promote wise floodplain management practices in the Nation's flood-prone and mudflow-prone areas.

Contact Information

FEMA
3003 Chamblee Tucker Road
Atlanta, GA 30341
(770) 220-5200

FLOOD MITIGATION ASSISTANCE PROGRAM (FMAP)

To fund cost effective measures to States and communities that reduce or eliminate the long term risk of flood damage to buildings, manufactured homes, and other insurable structures.

Note: We did not include FMAP Projects on the mitigation list due to the fact that the owner of the property must agree and apply.

Contact Information:

Program Implementation Division
Federal Emergency Management Agency 500 C Street SW
Washington, DC 20472
(202) 646-3619

HURRICANE LOSS MITIGATION PROGRAM (HLMP) a.k.a. Residential Construction Mitigation Program (RCMP)

The Residential Construction Mitigation Program (RCMP) receives \$10 million annually from the Florida Hurricane Catastrophe Trust Fund (Ch. 215.559, Florida Statutes). Of annual appropriation of \$10 million, \$3 million is directed to retrofitting existing public facilities to enable them to be used as public shelters, and \$7million is allocated as follows:

- 1) 40 percent, or \$2.8 million is used to mitigate future losses for mobile homes;
- 2) 10 percent, or \$700,000, is directed to the Type I Center of the State University System dedicated to hurricane research - Florida International University;
- 3) 50 percent, or \$3.4 million is directed to programs developed by the department with advice from the Advisory Council to help prevent or reduce losses or to reduce the cost of rebuilding after a disaster.

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Contact Information:

Residential Mitigation Construction Program

Florida Division of Emergency Management

2555 Shumard Oak Boulevard

Tallahassee, Florida 32399-2500

Telephone: (850) 413-9816

Web page: <http://www.floridacommunitydevelopment.org/programs/rcmp/>

PRE-DISASTER MITIGATION (PDM) COMPETITIVE GRANTS

The PDM program was authorized by Section §203 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act (Stafford Act), as amended by Section §102 of the Disaster Mitigation Act of 2000, to assist communities to implement hazard mitigation programs designed to reduce overall risk to the population and structures before the next disaster occurs.

Although the PDM program is federally funded, the program is administered through a partnership arrangement with the Florida Division of Emergency Management. It is their responsibility to:

- 1) Solicit and review proposals from applicants;
- 2) Prepare and submit the proposals to FEMA
Use procedures set forth in the National PDM funding guidance; and
- 3) Manage the PDM program and the funds available under the program.

Eligible projects include:

- Acquisition of damaged structures;
- Elevation and retrofit of existing structures;
- Relocation or demolition of existing structures; and
- Minor flood control projects.

Contact Information:

Florida Division of Emergency Management

2555 Shumard Oak Blvd., Tallahassee, FL 32399-2100

(850) 413-9966

BEACH MANAGEMENT FUNDING ASSISTANCE (BMFA) PROGRAM

(Formerly the Beach Erosion Control Program - BECP)

"To develop and implement a long term regional proactive beach management program for the state of Florida"

Recognizing the importance of the state's beaches, the Florida Legislature in 1986 adopted a posture of protecting and restoring the state's beaches through a comprehensive beach management planning program. Under the program, the Department of Environmental Protection's Division of Water Resource Management evaluates beach erosion problems throughout the state seeking viable solutions. The primary vehicle for implementing the beach management planning recommendations is the Florida Beach Management Funding Assistance Program, which is a program established for the purpose of working in concert with local, state and federal governmental entities to achieve the protection, preservation and restoration of the coastal sandy beach resources of the state. Under the program, financial assistance in an amount up to 50 percent of project costs is available to Florida's county and municipal governments, community development districts, or special taxing districts for shore protection and preservation activities located on the Gulf of Mexico, Atlantic Ocean, or Straits of Florida.

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Eligible activities include beach restoration and nourishment activities, project design and engineering studies, environmental studies and monitoring, inlet management planning, inlet sand transfer, dune restoration and protection activities, and other beach erosion prevention related activities consistent with the adopted Strategic Beach Management Plan. The program is authorized by Section 161.101, Florida Statutes. Since 1998, when the Legislature dedicated a portion of the Ecosystem Management and Restoration Trust Fund for beach management, \$541.6 million has been appropriated to cost-share with local governments on local and federally authorized projects, with each level of government contributing about one-third of the cost of the entire program. This has resulted in the restoration and subsequent maintenance of over 226.7 miles, or nearly 57%, of the state's critically eroded beaches.

Contact Information:

Florida Department of Environmental Protection
<http://www.dep.state.fl.us/beaches/programs/becp/>

BEACH EROSION CONTROL PROJECTS

To control beach and shore erosion to public shores through programs not specifically authorized by Congress.

Contact Information:

U.S. Army Corps of Engineers
Attn: CECW-PM
Washington, DC 20314-1000
(202) 761-1975

COMMUNITY ASSISTANCE PROGRAM STATE SUPPORT SERVICES ELEMENT (CAP-SSSE)

To ensure that communities participating in the National Flood Insurance Program (NFIP) are achieving flood loss reduction measures consistent with program direction. The CAP-SSSE is intended to identify, prevent and resolve floodplain management issues in participating communities before they develop into problems requiring enforcement action.

Contact Information:

Federal Emergency Management Agency
Mitigation Directorate Program Implementation Division
500 C Street SW
Washington, DC 20472
(202) 646-2719

COMMUNITY DEVELOPMENT BLOCK GRANT (CDBG)

The Community Development Block Grants (also see post-disaster funding) provide for long-term needs, such as acquisition, rehabilitation or reconstruction of damaged properties and facilities and redevelopment of disaster-affected areas. Funds may also be used for emergency response activities, such as debris clearance and demolition, extraordinary increases in the level of necessary public services. Eligible projects include the following:

- Voluntary acquisition or if appropriate, elevation of storm damaged structures (can be used as match for FMA projects in low income areas);
- Relocation payments for displaced people and businesses;
- Rehabilitation or reconstruction of residential and commercial buildings;
- Assistance to help people buy homes, including down payment assistance and interest rate subsidies; and
- Improvement to public sewer and water facilities

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Contact Information:

Department of Housing and Urban Development Community Planning and Development
451 7th Street, SW Washington, D.C. 20410
(202) 708-3587
www.hud.gov

CONSERVATION AND RECREATION LANDS (CARL)

This grant program is intended to conserve environmentally endangered lands and provide resource conservation measures for other types of lands.

Contact Information:

Florida Department of Environmental Protection Division of State Lands
Marjory Stoneman Douglas Bldg. 3900 commonwealth Blvd., MS 100
Tallahassee, FL 32399-3000
(850) 245-2118
www.dep.state.fl.us/lands/

EMERGENCY ADVANCE MEASURES FOR FLOOD PREVENTION

To perform activities prior of flooding or flood fight that would assist in protecting against loss of life and damages to property due to flooding.

Contact Information:

US Army Corps of Engineers Attn: CECW - OE
Washington, DC 20314
(202) 272-0251

EXPANDED LOCAL MANAGEMENT HAZARDOUS WASTE PROGRAM

The primary purpose of this fund is to cover costs incurred to establish the expanded local hazardous waste management program as stated in FS403.7238 including training for county personnel, materials & equipment for educational activities.

Contact Information:

Florida Dept. Of Environmental Protection
2600 Blair Stone Rd.
Tallahassee, FL 32399-2400
(850) 488-0300

FLOOD CONTROL PROJECTS

To reduce flood damages through projects not specifically authorized by Congress.

Contact Information:

Commander
US Army Corps of Engineers Attn: CECW - OE
Washington, DC 20314
(202) 272-1975

FLOOD PLAIN MANAGEMENT SERVICES

To promote appropriate recognition of flood hazards in land and water use planning and development through the provision of flood and flood plain related data, technical services, and guidance.

Contact Information:

US Army Corps of Engineers Attn: CECW - PF
Washington, DC 20314-1000
(202) 272-0169

Pinellas County Local Mitigation Strategy

FLORIDA COMMUNITIES TRUST (FCT)

This grant program facilitates the purchase of lands for conservation and/or recreation purposes by local governments. This land acquisition program helps to implement conservation, recreation, open space, and coastal elements of local comprehensive plans. The Board of Florida Communities Trust has latitude to consider innovative financing arrangement, loans, and land swaps. However, most of the Trust's funding is for land acquisition. Land acquisition projects in which matching funds are available will receive more favorable consideration, although a portion of available funds may be awarded on outright grants.

Contact Information:

Florida Department of Environmental Protection
Florida Communities Trust
3900 Commonwealth Blvd, M.S. 100
Tallahassee, FL 32399
(850) 245-2555

GRANTS & LOANS FOR PUBLIC WORKS & DEVELOPMENT FACILITIES

To provide financial assistance for the construction of public facilities needed to initiate and encourage the creation or retention of permanent jobs in the private sector in designated areas where economic growth is lagging.

Contact Information:

Economic Development Administration
The Federal Building
Room 423
80 N. Hughey Ave.
Orlando, FL 32801
(407) 648-6572

HAZARDOUS MATERIALS TRAINING PROGRAM

For Implementation of the Superfund Amendment and Reauthorization Act (SARA) of 1986, the goal of the SARA Title III Training Program is to make funding available to support programs of State, local, and Tribal governments, and university sponsored programs designed to improve emergency planning, preparedness, mitigation, response, and recovery capabilities. These programs must provide special emphasis on emergencies associated with hazardous chemicals.

Contact Information:

Federal Emergency Management Agency Support Systems Branch, Training Division
16825 S. Seton Ave.
Emmitsburg, MD 21727
(301) 447-1142

HURRICANE PROGRAM

To reduce the loss of life, property, economic disruption, and disaster assistance costs resulting from hurricanes.

Contact Information:

Director
Program Implementation Division Mitigation Directorate
FEMA
500 C Street SW
Washington, DC 20472
(202) 646-4621

Pinellas County Local Mitigation Strategy

PROTECTION, CLEARING AND STRAIGHTENING CHANNELS

To restore channels for purposes of navigation or flood control.

Contact Information: Commander
US Army Corps of Engineers Attn: CECW - OD
Washington, DC 20314-1000
(202) 272-8835

PROTECTION OF ESSENTIAL HIGHWAYS, HIGHWAY BRIDGE APPROACHES, AND PUBLIC WORKS

To provide bank protection of highways, highway bridges, essential public works, churches, hospitals, schools, and other nonprofit public services endangered by flood caused erosion.

Contact Information:
US Army Corps of Engineers Attn: CECW - PM
Washington, DC 20314-1000
(202) 272-1975

SNAGGING AND CLEARING FOR FLOOD CONTROL

To reduce flood damage.

Contact Information:
US Army Corps of Engineers Attn: CECW - PM
Washington, DC 20314-1000
(202) 272-1975

FLORIDA COASTAL MANAGEMENT PROGRAM (FCMP) GRANTS ANNUAL FUNDING

While four types of assistance can be provided to implement local coastal management projects (technical assistance, site designation, training, and financial assistance) under the Florida Coastal Management Program, the financial assistance award is limited to no more than \$50,000 for land acquisition, small construction, or capital improvement projects; and no more than \$25,000 for all other projects. A recipient will be required to provide 100 percent (one to one) matching funds, which may be cash or in-kind.

Contact Information:
Florida Coastal Management Program Grants
Florida Department of Environmental Protection
3900 Commonwealth Blvd. MS 47
Tallahassee, Florida 32399-3000
Phone: (850) 245-2094
Web-page <http://www.dep.state.fl.us/cmp/grants>

RESOURCE CONSERVATION AND DEVELOPMENT

To encourage and improve the capability of State and local units of government and local nonprofit organizations in rural areas to plan, develop and carry out programs for resource conservation and development.

Contact Information:
Deputy Chief for Programs
Resource Conservation and Community Development Division
Natural Resources Conservation Service
Department of Agriculture
P.O. Box 2890
Washington, DC 20013
(202) 720-2847

Pinellas County Local Mitigation Strategy

SOIL AND WATER CONSERVATION

To help people conserve, improve, and sustain our natural resources and environment.
Natural Resources Conservation Service, Department of Agriculture
P.O. Box 2890
Washington, DC
(202) 720-4527

WATERSHED PROTECTION AND FLOOD PREVENTION

To provide technical and financial assistance in carrying out works of improvement to protect, develop, and utilize the land and water resources in small watersheds.
Watersheds and Wetlands Division
Natural Resources Conservation Service
Department of Agriculture
P.O. Box 28890
Washington, DC 20013
(202) 720-3534

Post – Disaster Mitigation Funding

COMMUNITY DEVELOPMENT BLOCK GRANTS (CDBG)/ENTITLEMENT GRANTS

To develop viable urban communities by providing decent housing and a suitable living environment, and by expanding economic opportunities, principally for low to moderate income individuals.

Contact Information:

Entitlement Communities Division
Office of Block Grant Assistance CPD, HUD
451 7th Street SW Washington, DC 20410-7000
(202) 708-3587

CORA C. BROWN FUND

To assist disaster victims for unmet disaster related needs. When Cora C. Brown of Kansas City, Missouri, died in 1977, she left a portion of her estate to the Federal Government as a special fund to be used solely for the relief of human suffering caused by disasters.

Contact Information:

Human Services Division
Response and Recovery Directorate FEMA
500 C Street SW
Washington, DC 20472
(202) 646-3642

ECONOMIC INJURY DISASTER LOANS (EIDL)

To assist business concerns suffering economic injury as a result of certain presidential, Secretary of Agriculture, and/or SBA declared disasters.

Contact Information:

Office of Disaster Assistance SBA
409 3rd Street SW Washington, DC 20416
1 (800) 659-2955
www.sba.gov/content/economic-injury-disaster-loans

Pinellas County Local Mitigation Strategy

DIRECT HOUSING NATURAL DISASTER LOANS AND GRANTS

To assist qualified recipients to meet emergency assistance needs resulting from natural disaster. Funds are only available to the extent that funds are not provided by the Federal Emergency Management Agency (FEMA). For the purpose of administering these funds, natural disaster will only include those counties identified by a Presidential declaration.

Contact Information

Rural Housing Services (RHS)
Department of Agriculture
Single Family Processing Division
Washington, D.C. 20250
(202) 720-1474

EMERGENCY CONSERVATION PROGRAM

To enable farmers to perform emergency conservation measures to control wind erosion on farmlands, or to rehabilitate farmlands damaged by wind erosion, floods, hurricanes, or other natural disasters and to carry out emergency water conservation or water enhancing measures during periods of severe drought.

Contact Information:

Consolidated Farm Service Agency
Dept. of Agriculture
PO Box 2415
Washington, DC 20013
(202) 720-6221

EMERGENCY OPERATIONS FLOOD RESPONSE AND POST FLOOD RESPONSE

To provide emergency flood response and post flood response assistance as required to supplement State and local efforts and capabilities in time of flood coastal storm.

Contact Information:

Commander
US Army Corps of Engineers Attn: CECW - OE
Washington, DC 20314-1000
(202) 272-0251

FEDERAL EMERGENCY SHELTER GRANTS PROGRAM FOR THE HOMELESS

Grants are for the provision of emergency shelter and essential support services to the homeless. Funds may be used for structural improvements to shelters, shelter operating expenses, furnishings and equipment, and other services.

Contact Information:

Benefit Recovery & Special Program Economic Services Program
1317 Winewood Blvd.
Tallahassee, FL 32399-0700
(850) 487-2966

HAZARD MITIGATION GRANT PROGRAM (HMGP)

To prevent future losses of lives and property due to disasters; to implement State or local hazard mitigation plans; to enable mitigation measures to be implemented during immediate recovery from a disaster; and to provide funding for previously identified mitigation measures to benefit the disaster area.

Pinellas County Local Mitigation Strategy

Contact Information:

Director, Program Implementation Division Mitigation Directorate
FEMA
500 C Street SW Washington, DC 20472
(202) 646-4621

FLORIDA HURRICANE CATASTROPHE FUND (FHCF)

The FHCF is a reinsurance program. Insurers that write residential property insurance on structures and their contents- 259 with more than \$900 billion in exposure as of 12/31/2001 - are required to participate and pay a premium based on their maximum hurricane exposure. Companies can select three coverage option levels - 45, 75, or 90 percent of covered losses above their retention. The unrestricted fund balance as of December 31, 2001, was approximately \$3.8 million.

Funding Source:

The State Board of Administration invests reimbursement premiums, collected from the participating insurers selling residential property insurance in Florida, in short-term securities.

The FHCF covers residential structures located in the State of Florida, including appurtenant structures and their contents. This includes commercial-residential, mobile home, tenants, condominium owners, and stand-alone inland marine policies. All other commercial property was exempted from the fund during the 1995 legislative session. Premiums paid by participating insurers into the fund may be included in policyholder rates the same as the expense of reinsurance. Companies must demonstrate to the Department of Insurance that there is no overlap between the FHCF premium included in their rate filing and their Acat load, covering either private reinsurance or catastrophe reserves being set aside on a taxable basis.

Mitigation Implication:

The FHCF would reduce the long-term economic impacts of hurricanes by maintaining the state's property insurance capacity through providing reimbursement to participating insurers for a portion of catastrophic hurricane losses. Furthermore, the FHCF supports implementation of hurricane mitigation projects through providing annual funding to the Florida Division of Emergency Management's Residential Construction Mitigation Program, as well as other local governments and state agencies' programs to reduce potential losses from hurricanes.

Contact Information:

The State Board of Administration administers the FHCF.
Florida Hurricane Catastrophe Fund Florida State Board of Administration
Hermitage Center, Suite 100
1801 Hermitage Boulevard
Tallahassee, FL 32308
Telephone: (850) 413-1349; Web page: <http://www.fsba.state.fl.us/fhcf/>

PHYSICAL DISASTER LOANS (BUSINESS AND INDIVIDUALS)

To provide loans to businesses affected by declared physical type disasters for uninsured losses.

Contact Information:

Office of Disaster Assistance SBA
409 3rd Street SW Washington, DC 20416
(202) 205-6734

Pinellas County Local Mitigation Strategy

PUBLIC ASSISTANCE PROGRAM

To provide supplemental assistance to States, local governments, and certain private nonprofit organizations to alleviate suffering and hardship resulting from major disasters or emergencies declared by the President.

Contact Information: Infrastructure Support Division Response and Recovery Directorate FEMA
500 C Street SW Washington, DC 20472
(202) 646-3026

Current Local Funding Sources

The following table provides a synopsis of data obtained from reviewing each of the local governments in Pinellas County to identify local funding sources that have been used in the past to fund local mitigation related projects. This list contains funding sources that have been used as a match for federal grant programs as well as to fund non-federally funded local projects.

Pinellas County Local Mitigation Strategy

Table 11- 1: Local Funding Sources

Funding Source	Description
Penny Sales Tax ("Penny for Pinellas")	This is a local option tax designed to raise revenues to plan, finance, construct, renovate and improve infrastructure such as roads, drainage, and parks.
Ad Valorem Tax	The ad valorem tax is levied based on the value of real and tangible personal property as of January 1 of each year and is intended to increase total revenue of local governments.
<u>Surface Water Assessment Fee (County) Stormwater or Tax Assessment</u>	The fee is based on the total amount of a property's impervious surface and has been used to prepare a stormwater program and fund a wide range of drainage maintenance <u>improvements</u> .
Housing and Rehabilitation Fund	Assistance in this category stems from Community Development Block Program funds and is used for rehabilitation for owner occupied homes.
<u>Stormwater Fees/Assessments (cities)</u>	<u>Most cities within the unincorporated area has a dedicated funding source to fund stormwater services within their jurisdiction.</u>
In-Kind Services	Services or equipment for projects provided by local individuals or groups in the community.
Impact Fees/ Development Exaction	Impact fees on new development such as: <ul style="list-style-type: none"> • Water and Sewer Connection Fee; • Fire Impact Fee; • Law Enforcement Impact Fee; • Transportation Impact Fee; and • School Impact Fees are used for the purchase and construction of capital assets. (School impact fees may be remitted periodically to the County School Board).
Tourist Tax Local Option	A local tax is levied on most rents, leases or lets, and living accommodations in hotels, motels, apartments, houses, and mobile homes (contracted for periods of less than six months or less) in promotion of tourism and tourist-type activities.
Revenue Bonds	This is revenue derived from the issuance of long-term debt, such as bonds or commercial paper. Proceeds are deposited into capital projects funds and/or debt service funds.
Permit Fees	This is revenue derived from the issuance of local licenses and permits. Exceptions include occupational licenses and building permits.

Agenda

Pinellas County LMS Working Group Meeting
Thursday, January 12, 2017; 1:30 P.M.
Pinellas County Planning Department Office
310 Court St., Clearwater, FL 33756

- 1) **Welcome and Introductions**
- 2) **Approval of Minutes:** October 13, 2016
- 3) **Hazard Mitigation Grant Program (HMGP) Presentation, James Price, Florida Department of Emergency Management**
 - a. 30-45 minute presentation on the County's Hurricane Hermine funding allocation discussing the Notice of Funding Availability and the HMGP application process
- 4) **Approval of Annual LMS Updates (2016) – Appendix 7, 9, 10, 11 & LMS Working Group Roster**
- 5) **Confirmation of Proposed 2017 LMS Working Group Meeting Schedule**
 - a. 2017 dates proposed: April 13, July 13, October 12, December 14 (and/or January 11, 2018).
 - b. All meetings are scheduled for the Tampa Bay Regional Planning Council Offices, unless announced otherwise.
- 6) **Selection of LMS Chair/Vice-Chair for 2017**
- 7) **Conferences & Training, 2017**
 - a. National Hurricane Conference, April 17-20, New Orleans, LA
 - b. Governor's Hurricane Conference, May 14-19, West Palm Beach, FL
 - c. APA Conference, May 6-9, New York, NY
 - d. FEPA 2017 Annual Meeting and Work Session, January 30-February 3, Orlando, FL
 - e. Florida Floodplain Manager's Association Conference, April 4-7, St. Petersburg, FL
 - f. ESRI User Conference, July 10-14, San Diego, CA
- 8) **Adjourn**

**NEXT SCHEDULED QUARTERLY LOCAL MITIGATION STRATEGY MEETING:
April 13, 2017**

TBRPC, 4000 Gateway Centre Blvd, Pinellas Park

Minutes

Pinellas County
Local Mitigation Strategy Work Group Meeting
Thursday, October 13, 2016 1:30 P.M.
Tampa Bay Regional Planning Council Office
4000 Gateway Centre Blvd, Pinellas Park

1. Welcome and Introductions

Vice Chairperson Noah Taylor welcomed the attendees and the attendees introduced themselves.

2. Approval of Minutes, July 21, 2016:

A motion was made to accept the minutes from the July 21, 2016 meeting. The motion was seconded and passed unanimously.

3. Annual LMS Updates (2016) – Appendix 7, 9, 10

A discussion on the annual updates provided to date was led by Chris Moore of Pinellas County. A list of municipalities providing updates was displayed and the deadline for submitting additional updates was set for October 31st. An LMS project ranking subcommittee was established as was done in prior years. Renea Vincent, Noah Taylor and David Mixson were nominated and a motion was made, seconded and approved unanimously. The subcommittee will review all new project scoring spreadsheets submitted for consistency among similar project types.

4. Annual Report (2016) for CRS re-Certification

Lisa Foster reminded the group that if they are using the multi-jurisdictional LMS for FMP credit, they need to follow the CRS manual requirements, which includes having at least two members from your community on the LMS Working Group roster, and that a quorum must attend each meeting. Attendance via webinar or in person is acceptable and a webinar invitation will be sent in advance of the January meeting. An updated LMS Working Group roster will also be brought to the group for adoption at the January meeting. Particular emphasis was placed on attending the January LMS meeting (in person or via webinar), since the group will be adopting the State-required annual updates to appendices 7, 9 and 10.

Ms. Foster also reported she had not heard back from ISO on the 2015 Pinellas County LMS Annual Report submitted to ISO for CRS purposes (separate and apart from the annual LMS updates submitted to the State). One municipality had submitted the report to ISO and received some questioning about their submittal, however it was believed the questioning was separate and apart from the annual report. The City of St. Petersburg indicated they had submitted their CRS update and the annual report was not questioned.

For the 2016 Pinellas County Annual LMS Report submitted for CRS purposes, updates to Appendix 7 will now be included, which should further substantiate the update process. Ms. Foster suggested adding columns to the Appendix 7, 9 & 10 project tables to include a column indicating when the project was last reviewed and another column to provide comments on the project review process. These additions should further validate the review process required for CRS purposes.

5. Hurricane Hermine Hazard Mitigation Grant Program (HMGP) Update

Chris Moore reported that the State has announced Pinellas County will receive dedicated HMGP funding due to Hurricane Hermine, however the total amount has not been determined and no date has been announced for the Notice of Funding Availability (NOFA). The NOFA is typically released approximately 90 days from the federal disaster declaration date (9/28/2016), which would mean it would be released sometime in January. Once the NOFA is released HMGP

applications are typically 9 months after the disaster is declared, approximately mid-2017. To be eligible for HMGP, the project must be listed on the LMS project list in Appendix 9, however they can still be added after the 2016 annual State update is submitted. The State will also host application workshops to provide guidance after the NOFA is released. The LMS Working Group will need to determine what projects are submitted to apply. The LMS Chairperson is required to submit a form letter to the State prioritizing the HMGP applications. Further discussion on HMGP applications will occur in future meetings as more information is received.

6. Presentation on Countywide Vulnerability Assessment of the Impact of Sea Level Rise and Storm Surge on Critical Infrastructure (Chris Moore, Pinellas County)

Chris Moore presented on a \$300,000 RESTORE Act grant funding received by the County to conduct a countywide vulnerability assessment of the impact of sea level rise and storm surge on critical infrastructure. One of the goals of the vulnerability assessment will be to create a GIS decision support tool that will allow users to toggle between different sea level rise and storm surge scenarios as well as various time horizons to see when various infrastructure assets will be impacted. Additionally, adaptation and mitigation strategies including cost/benefit analyses will be developed on a subset of impacted assets. It is a countywide study and the County will be reaching out to all municipalities so that local asset data can be incorporated into the decision support tool.

7. Adjourn

The meeting was adjourned at 2:45 p.m.

Agenda

Pinellas County LMS Working Group Meeting
Thursday, October 13, 2016; 1:30 P.M.
Tampa Bay Regional Planning Council Offices
4000 Gateway Centre Blvd, Pinellas Park

- 1) **Welcome and Introductions**
- 2) **Approval of Minutes: July 21, 2016**
- 3) **Annual LMS Updates (2016) – Appendix 7, 9, 10**
 - a. Review of municipalities/agencies providing updates
 - b. Discussion on outstanding questions
 - c. Project ranking sub-committee formulation (to convene in November/December 2016)
 - d. Schedule for update submittal to State Division of Emergency Management
- 4) **Annual CRS Re-Certification Report**
 - a. 2015 LMS Annual Report ISO feedback discussion
 - b. 2016 LMS Annual Report discussion
- 5) **Hurricane Hermine Federal Disaster Declaration**
 - a. Individual Assistance updates/discussion
 - b. Public Assistance updates/discussion (potential for Hazard Mitigation Grants)
- 6) **Hurricane Matthew Discussion (if applicable)**
- 7) **Presentation on Countywide Sea Level Rise and Storm Surge Critical Infrastructure and Vulnerability Assessment (Chris Moore, Pinellas County; time permitting)**
- 8) **Proposed 2017 LMS Working Group Meeting Schedule**
- 9) **Adjourn**

NEXT SCHEDULED QUARTERLY LOCAL MITIGATION STRATEGY MEETING:

TBD

TBRPC, 4000 Gateway Centre Blvd, Pinellas Park

Minutes

Pinellas County
Local Mitigation Strategy Work Group Meeting
Thursday, July 21, 2016 1:30 P.M.
Tampa Bay Regional Planning Council Office
4000 Gateway Centre Blvd, Pinellas Park

1. Welcome and Introductions

Chairperson Renea Vincent welcomed the attendees and the attendees introduced themselves.

2. Approval of Minutes, April 14, 2016:

A motion was made to accept the minutes from the April 14, 2016 meeting. The motion was seconded and passed unanimously.

3. Annual LMS Updates (2016) – Appendix 7, 9, 10

In addition to providing annual updates to Appendices 9 and 10, it was announced updates to Appendix 7 would be required due to the integration of CRS and LMS reporting. An email will be sent with instructions on updating the appendices. For convenience, they will be distributed in Word format versus Excel, for ease of updating, then the process shall proceed as the previous year. Chris Moore, a Principal Planner for Pinellas County, will take on more responsibilities regarding the County's portion of the LMS, and take us through the annual update process through year-end. His contact information will be provided. The appendices will be distributed within the next two weeks with an amendment submission deadline of September 30, 2016. There will be a preliminary review of the projects and updates at the October LMS meeting, though no formal action will take place at that time. A subcommittee of three or four people will be formed in November or December of 2016 to review the project rankings to ensure the projects fit into the overall ranking system. In January 2017, all items will be brought to the Board for action.

4. Annual Report (2016) for CRS re-Certification

Due to the LMS serving as the floodplain management plan in the CRS program, the annual LMS updates to Appendix 7, 9 and 10 will now serve as part of the annual CRS re-certification requirements. The CRS re-certification process floodplain management strategies and projects be reviewed and updated each year. Once the LMS Annual Report is complete it must be submitted to the local governing body for municipality in a 'read and receipt' fashion; no formal adoption is required. A press release will be issued by the County and the annual report will be posted on PinellasLMS.org website for availability to the public.

The 2015 Annual LMS Report was presented to the working group and a motion was made to file the report, which was seconded and passed unanimously.

5. LMS Five Year Update Schedule

Agenda item 5 included an informational discussion on beginning to outlining key steps ahead for the next 5-year LMS update, which needs to be completed in 2019. As such, efforts to complete the update will likely begin in early 2018. As public information meetings will need to be scheduled at the beginning and end of the update process, the first public information meeting will likely occur in early 2018. In an effort to increase CRS points, a new LMS stakeholder planning committee will be formed and each jurisdiction will need to provide one stakeholder for each member they have represented on the LMS working group committee; CRS PPI committee members can serve as members on the LMS stakeholder planning committee. The LMS stakeholder planning committee members will need to be identified in the fall of 2017.

6. Conferences & Training, 2016

- Florida APA Conference – September 6 - 9, Tampa FL

Chairperson Vincent brought the upcoming conference listed above to the group's attention for informational purposes.

7. Adjourn

The meeting was adjourned at 2:30 p.m.

Agenda

Pinellas County LMS Working Group Meeting
Thursday, July 21, 2016; 1:30 P.M.
Tampa Bay Regional Planning Council Offices
4000 Gateway Centre Blvd, Pinellas Park

- 1) **Welcome and Introductions**
- 2) **Approval of Minutes:** April 14, 2016
- 3) **Annual LMS Updates (2016)** – Appendix 7, 9, 10
 - a. Amendment package and update instructions will be sent via email.
 - b. Deadline for Submission of amendments is Sept 30, 2016.
 - c. Preliminary review of receipt of new projects for Appendix 9 at October 2016 quarterly meeting
 - d. Sub-committee review of ranking for new projects in November/December 2016
 - e. Annual CRS Recertification Requirements/Documentation
 - i. Annual evaluation report (Lisa Foster)
 - ii. Report must be submitted to EACH local governing agency (receipt and file only)
 - iii. Press Release
 - iv. Post on website
 - f. Annual update package reviewed by LMS Working Group NLT January 2016
- 4) **Annual report (2016) for CRS Re-Certification (Lisa Foster)**
 - a. Review and approval (report based upon most recent 2015 annual update sent to FDEM in January, 2016) and additional recommendations for upcoming update
- 5) **LMS Five Year Update Schedule (Lisa Foster, Pinellas County)**
 - a. Annual LMS Public information meeting
 - i. Schedule for April 2017
 - b. Establish LMS Stakeholder Committee and schedule meeting
 - i. Each municipality identify 2 stakeholders (minimum) and send contact information to Lisa Foster or Chris Moore by January 30, 2017
 - ii. Annual Meetings for 2017 and 2018 (Set first meeting date for April 2017)
 - iii. Bi-Annual Meetings beginning 2019
 - c. Annual LMS presentation at ONE BAY Working Group meeting (June time-frame)
- 6) **Conferences & Training, 2016**
 - a. Florida APA Conference –September 6 -9, Tampa FL
- 7) **Adjourn**

NEXT SCHEDULED QUARTERLY LOCAL MITIGATION STRATEGY MEETING:
THURSDAY, OCT. 13, 2016 1:30 PM
TBRPC, 4000 Gateway Centre Blvd, Pinellas Park

Minutes

Pinellas County
Local Mitigation Strategy Work Group Meeting
Thursday, July 21, 2016 1:30 P.M.
Tampa Bay Regional Planning Council Office
4000 Gateway Centre Blvd, Pinellas Park

1. Welcome and Introductions

Chairperson Renea Vincent welcomed the attendees and the attendees introduced themselves.

2. Approval of Minutes, April 14, 2016:

A motion was made to accept the minutes from the April 14, 2016 meeting. The motion was seconded and passed unanimously.

3. Annual LMS Updates (2016) – Appendix 7, 9, 10

In addition to providing annual updates to Appendices 9 and 10, it was announced updates to Appendix 7 would be required due to the integration of CRS and LMS reporting. An email will be sent with instructions on updating the appendices. For convenience, they will be distributed in Word format versus Excel, for ease of updating, then the process shall proceed as the previous year. Chris Moore, a Principal Planner for Pinellas County, will take on more responsibilities regarding the County's portion of the LMS, and take us through the annual update process through year-end. His contact information will be provided. The appendices will be distributed within the next two weeks with an amendment submission deadline of September 30, 2016. There will be a preliminary review of the projects and updates at the October LMS meeting, though no formal action will take place at that time. A subcommittee of three or four people will be formed in November or December of 2016 to review the project rankings to ensure the projects fit into the overall ranking system. In January 2017, all items will be brought to the Board for action.

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The 2015 Annual LMS Report was presented to the working group and a motion was made to file the report, which was seconded and passed unanimously.

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Agenda item 5 included an informational discussion on beginning to outlining key steps ahead for the next 5-year LMS update, which needs to be completed in 2019. As such, efforts to complete the update will likely begin in early 2018. As public information meetings will need to be scheduled at the beginning and end of the update process, the first public information meeting will likely occur in early 2018. In an effort to increase CRS points, a new LMS stakeholder planning committee will be formed and each jurisdiction will need to provide one stakeholder for each member they have represented on the LMS working group committee; CRS PPI committee members can serve as members on the LMS stakeholder planning committee. The LMS stakeholder planning committee members will need to be identified in the fall of 2017.

6. Conferences & Training, 2016

- Florida APA Conference – September 6 - 9, Tampa FL

Chairperson Vincent brought the upcoming conference listed above to the group's attention for informational purposes.

7. Adjourn

The meeting was adjourned at 2:30 p.m.

Agenda

Pinellas County

LMS Working Group Meeting

Thursday, April 14, 2016; 1:30 P.M.

Tampa Bay Regional Planning Council Offices

4000 Gateway Centre Blvd, Pinellas Park

- 1) **Welcome and Introductions**
- 2) **Approval of Minutes:** January 14, 2016
- 3) **Proposed LMS Amendments (Discussion)** – Introductory discussion of LMS amendments that would enhance CRS scoring for local participating jurisdictions
- 4) **Presentations**
 - a. National Flood Insurance Program Re-Authorization; Mary Scott Hardwick, Pinellas County Intergovernmental Liaison
- 5) **Conferences & Training, 2016**
 - a. Governor's Hurricane Conference – May 8 to 13, Orlando, FL.
 - b. Florida APA Conference –September 6 -9, Tampa FL
 - c. ESRI User Conference – June 27-July 1, 2016, San Diego Convention Center
- 6) **Other Business: note date change for next quarterly meeting**
- 7) **Adjourn**

NEXT SCHEDULED QUARTERLY LOCAL MITIGATION STRATEGY MEETING:

THURSDAY, JULY 21, 2016 1:30 PM

TBRPC

4000 Gateway Centre Blvd, Pinellas Park

Minutes

Pinellas County
Local Mitigation Strategy Work Group Meeting
Thursday, January 14, 2016 1:30 P.M.
Tampa Bay Regional Planning Council Office
4000 Gateway Centre Blvd, Pinellas Park

1. Welcome and Introductions

Chairperson Renea Vincent welcomed the attendees and the attendees introduced themselves. Ms. Vincent introduced Mr. Christopher Young, a recent addition to the Pinellas County Planning family.

2. Approval of Minutes, October 15, 2016:

Mr. Dayton Saltsman, South Pasadena Fire, made the motion to accept the minutes from the last meeting, October 15, 2016. Mr. Gregory Becker, Pinellas County Emergency Management seconded the motion. Motion passed unanimously.

3. Annual Maintenance Updates -Appendix 9 (Mitigation Initiatives), Appendix 10 (Accomplishments) of LMS Document, & Group Roster

- a. Additional project to be scored and added to Appendix 9

Ms. Donna Beim submitted a Public Safety Intergovernmental Radio System Shelter Hardening project to be scored and added to Appendix 9.

Mr. Noah Taylor, St. Petersburg Construction & Permitting, made the motion to accept and score the project and Mr. Danny Taylor, Indian Rocks Beach, seconded the motion. Motion passed unanimously.

4. Presentations

- a. "Pinellas County Vulnerability Assessment of Sea Level Rise on Infrastructure Assets"
Chris Moore, Pinellas County Planning
- b. "Recommended Projection of Sea Level Rise in the Tampa Bay Region"
Brady Smith, Tampa Bay Regional Planning Council

Mr. Brady Smith's presentation was the only one that was presented to the group, as Mr. Chris Moore was not available due to family illness. Chairperson Vincent stated that Mr. Moore would be invited back to a meeting in the future to present his information to the group.

5. Conferences & Training, 2016

- a. National Hurricane Conference – March 21 to 24, Orlando, FL
- b. Governor's Hurricane Conference – May 8 to 13, Orlando, FL.
- c. APA Conference - April 2 to 5, Phoenix, AZ.
- d. FEPA Annual Meeting & work sessions - February 1 to 5, Daytona Beach, FL
- e. Florida Floodplain Manager's Association Conf. – March 30 to April 1, St. Augustine, FL.
- f. Florida APA Conference –September 6 -9, Tampa FL
- g. ESRI User Conference – June 27-July 1, 2016, San Diego Convention Center

Chairperson Vincent brought the upcoming conferences and trainings listed above to the group's attention for informational purposes.

6. Proposed 2016 Meeting Dates

- a. April 14, July 14, & October 13, & December 15 (or January 19, 2017). All meetings are proposed to start at 1:30 p.m. and be held at TBRPC.

The 2016 meeting schedule was approved at the October 15, 2016 meeting and was mentioned at this meeting for informational purposes.

7. Other Business

Vice Chair Bob Bray, Pinellas Park, informed the group that it is not necessary to wait until next year to put new projects on the list. Additionally, it is not necessary to wait four (4) years to update the LMS.

8. Selection of LMS Chair/Vice-Chair for 2016

Ms. Renea Vincent will continue to function as the LMS Chair and Mr. Noah Taylor will function as the LMS Vice-Chair.

Mr. Bob Bray, former Vice- Chair, made the motion and Mr. Dayton Saltsman, South Pasadena Fire, seconded the motion. Motion passed unanimously.

Chairperson Vincent stated that Mr. Christopher Young will be her LMS backup should she not be able to attend a meeting and also that she would be working with him to ensure that he is familiar with the LMS and its components. Additionally, she will get him set up with the LMS State contact.

9. Adjourn

The meeting was adjourned at 2:35 p.m.

**NEXT SCHEDULED QUARTERLY LOCAL MITIGATION STRATEGY MEETING:
THURSDAY, APRIL 14, 2016 1:30 PM
TBRPC
4000 Gateway Centre Blvd, Pinellas Park**