

Appendix 10

Local Mitigation Strategy Accomplishments¹ Updated 12/ 31/2007

Project	Cost	Status	Funding
Belleair Beach			
Purchase cabinets (and other containment) to house and contain chemicals, oils, fuels, and batteries that that may spill or cause runoff during a hurricane.	\$3,500	City has purchased one such cabinet during FY 2006-07 and will likely purchase another during FY 2007-08.	Local
Demolish current City Hall and Public Works Operations Building and replace with new buildings meeting current hurricane standards. The purpose of this program is to provide the municipal government with a location to provide government services and recovery operations.	\$3,000,000	The City is currently working with design professionals to create the drawings necessary to move forward on this project. This project is likely to be underway during FY 2007-08 and completed during FY 2008-09.	Local
Clearwater			
Purchase Friendly Village of Kapok Mobile Home Park to eliminate repetitive flood losses. A nature park will be created on the site along with storm water development for the area to prevent flooding.	\$17,000,000	Underway	Local and State
Develop a CERT that is trained on How to Educate Homeowners on Mitigation Techniques.	\$37,000	Complete	Local and 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
Dunedin			
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.	HMGP and Local
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 1 structure to reduce flood damage potential.	\$69,770	Complete	State
Retrofit 1 structure to reduce flood damage potential	\$331,183	Underway; mid-2008 anticipated completion date	State

¹ Projects highlighted with green shading were accomplished since 2004.

Project	Cost	Status	Funding
Retrofit 1 structure to reduce flood damage potential	\$228,571	Underway	State
Rebuild 1 Structure.	\$119,746	Complete	State
Gulfport			
Strengthen skylights in City Hall to withstand hurricane force winds.	\$1,000	Complete	Local
Install window protection devices at critical city facilities to withstand hurricane force winds (2401-53rd Street South, 5314-23rd Avenue South, 5330-23rd Avenue South).	\$25,000	Underway	HMGP and Local
Kenneth City			
Indian Rocks Beach			
Demolished ten (10) pre-FIRM non-conforming structures and replaced them with conforming structures.	\$2,432,000	Complete	Private
27th Ave. and 1st St. drainage project to mitigate local flooding and provide treatment of local storm water run off.	\$260,000	Complete	Local and State
Design 11th Ave. through 13th Ave. drainage project to mitigate local flooding.	\$290,000	Complete	Local
Reclamation of 1.2 acres of wetlands to act as a flood buffer.	\$100,000	Complete	Local
Indian Shores			
Storm water management in redevelopment area to control and mitigate flooding. FY 97/98	\$60,000	Complete	Local and State
FMAP elevation of existing repetitive loss structure. FY 97/98	\$22,500	Complete	Private and State
FMAP acquisition and demolition of repetitive loss structure. FY 97/98	\$26,797	Complete	Local and State
Installed new seawall to mitigate flooding. FY 97/98	\$16,770	Complete	Local and State
Installed new seawall and replaced seawall cap. FY 97/98	\$5,080	Complete	Local
Storm water management at 19305 Gulf Blvd. (Town Hall complex) FY 97/98	\$80,000	Complete	Local and State
FMAP elevation of repetitive loss existing structure. FY 00/01	\$41,683	Complete	Local and State
Development of Town master drainage plan FY01/02	\$80,000	Complete	Local and State

Project	Cost	Status	Funding
Purchase property in redevelopment area for potential site of future retention pond. FY01/02	\$40,000	Complete	Local
Implement Town-wide storm water master plan. FY 02/03	\$300,000	Under way	Local and State
Purchase and installation of an auxiliary generator for the Critical Facility, Town Hall, 19305 Gulf. Blvd.	\$33,455	Completed	HMGP and Local
Largo			
<p>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.</p> <p>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.</p>	\$89,151	Completed	
<p>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.</p> <p>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.</p>	\$89,151	Completed	
<p>Initiative: Installing an emergency generator at the new administration building for the Wastewater Treatments Plant. The generator will insure the Plant's ability to provide continuous service during power failures.</p> <p>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.</p>	\$859,072	Completed	

Project	Cost	Status	Funding
Initiative: Hardening the Largo City Hall, Police, and Emergency Operations Center buildings by adding storm shutters, removing abandoned air conditioning equipment from the roof, and installing emergency generators. In addition to housing the administrations of more than half of the City's departments, this facility contains the City's centralized telephone, computer, and broadcasting systems. Benefit: Averting wind damage would minimize or eliminate post-disaster disruption of municipal services, including the EOC, police, fire, permitting, and planning operations. The Largo Municipal Complex structures are valued at \$10.9 million.	\$321,285	Completed	
Hardening the new Environmental services (sewer) administration building by adding storm shutters and installing emergency generators. This facility contains the Environmental Services EOC	\$89,151	Project Completed.	HMGP/ Local
Channel 1 Drainage/ Infrastructure Plan	\$1,919,212.59	Completed 2007	Local
Suncoast Manor Drainage/ Old Valencia Blvd. Plan	\$274,132.85	Completed – 2007	Local
McKay Creek Drainage Improvement Plan	\$1,549,460.00	Completed – 2006	Local
Purchasing and Demolition of Repetitive Loss Properties (4):			
132 Gatewood Drive	\$149,000.00	Completed – 2003	Local
198 Gatewood Drive	\$190,000.00	Completed – 2003	Local
71 East Overbrook Drive	\$177,000.00	Completed – 2005	Local
3463 19 th Place SW	\$127,500.00	Completed - 2005	Local
Rain Gauge Monitoring System Base Unit (32 units at \$1800 per unit)	\$57,600.00	Completed – 1995 – 2007 (More are added as budget permits)	Local
Base Level Monitoring System for Rain Gauge System 24 hours a day service (2 units) \$6000 per unit	\$12,000.00	Completed – 1995 - 2007	Local
SCADE System for remote monitoring	\$1,350,000.00	Completed - 2004	Local
Total Expenditures by the City of Largo since 2004	\$5,793,905.44		
North Redington Beach			
Raise sewer lift stations controls, electrical, emergency generator and fuel tank above flood plain.	\$ unknown	Complete	Local/County
Underground utilities throughout the side streets of NRB. This includes all streets except Gulf Boulevard.	\$ 2,000,000	Complete	Local

Project	Cost	Status	Funding
Oldsmar			
Relocate fire station/EOC outside the special flood hazard area (100 year floodplain), increase the BFE to a non evacuation level, structure and glazing elements to withstand Category 4 wind load; other construction/site activities to keep station action as EOC during emergency events.	\$965,000	Complete	Local
Pinellas County			
Shelter Retrofit at Hopkins MS to add 3400 spaces.	\$185,526	Complete	Local
Shelter Retrofit at Safety Harbor MS add 1400 spaces.	\$35,558	Complete	Local
Shelter Retrofit at Kennedy MS to add 1700 spaces.	\$40,286	Complete	Local
Shelter Retrofit at Seminole MS to add 1100 spaces.	\$25,888	Complete	Local
Shelter Retrofit at Bauder ES to add 950 spaces.	\$35,340	Complete	Local
Shelter Retrofit at Largo HS to add 1400 spaces.	\$35,626	Complete	Local
Shelter Retrofit at Sexton ES to add 1350 spaces.	\$81,888	Complete	Local
Shelter Retrofit at East Lake HS to add 2850 spaces.	\$271,000	Complete	State
Shelter Retrofit at Largo MS to add 1850 spaces.	\$40,000	Complete	Federal
Shelter Retrofit at Countryside HS to add 400 spaces.	\$32,000	Complete	State
Shelter Retrofit at Palm Harbor UHS to add 2300 spaces.	\$44,000	Complete	State
Shelter Retrofit at St. Petersburg HS to add 2950 spaces.	\$257,500	Complete	State
Shelter Retrofit at Pinellas Park HS to add 1400 spaces.	\$30,000	Complete	State
Shelter Retrofit at McMullen Booth ES to add 1350 spaces.	\$92,760	Complete	State
Shelter Retrofit at Tarpon Springs MS to add 1250 spaces.	\$43,000	Complete	Local
Shelter Retrofit at Palm Harbor MS to add 1800 spaces.	\$44,000	Complete	State
Shelter Retrofit at Bardmoor ES to add 1100 spaces.	\$25,000	Complete	Local
Shelter Retrofit at Kennedy MS to add 1000 spaces.	\$40,000	Complete	Local
Shelter Retrofit at Carwise MS to add 3400 spaces.	\$225,000	Complete	State
Add back up generator to Ambulance Dispatch Center/Back up 911 Center.	\$175,000	Complete	State
Install hurricane roll-up doors on 18 EMS Garage Doors.	\$65,000	Complete	Local
Window protection on Fairmont Park ES to increase shelter space.	\$94,000	In 2005, window protection provided on first floors of Buildings 4 & 5 of Fairmont Park Elementary.	State and Local

Project	Cost	Status	Funding
Window protection on Elementary School C to increase shelter space.	\$94,000	In 2006, window protection provided at Jamerson Elementary.	State and Local
Window protection on Elementary School D to increase shelter space.	\$94,000	In 2006, window protection provided at Sanderlin Elementary.	State and Local
Sediment/erosion control, sediment removal, and/or stream bank/channel stabilization for flood control purposes: 1) McKay Creek; 2) Bee Branch; 3) Bear Creek; 4) Curlew Creek; 5) Allen's Creek; 6) Joe's Creek; and 7) Alligator Creek		Ongoing and Completed	State and Local
Bear Creek Channel project involved the purchase 7 properties (formerly single-family residences), which are in the 100-year floodplain. These properties are converted to open space to improve floodwater conveyance along Bear Creek.		Purchased 2007	State and Local
39 parcels, totaling 45.6 acres, were acquired to protect environmentally sensitive lands, provide open space, and develop drainage sites to mitigate flooding hazards in local neighborhoods.		Completed during 2005-2007	State and Local
Pinellas Park			
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	Complete	State
Home Disaster Mitigation Handbook – This document is currently being produced. It is an easy to read and understand booklet that explains the basic means to protect homes and can help homeowner's mitigate for those storm events common to central Florida. This document will be produced in a CD-ROM format for other communities to replicate.	\$50,000	Complete	State

Project	Cost	Status	Funding
Purchase of Land for Drainage Retention. The City has entered into a contract to purchase property near Park Blvd and 40th St. N. The property will be used for storm water retention at Park Blvd and 43rd St. N.	\$796,000	Completed	Local
94th Avenue N. widening: This is a roadway project with a drainage component. A collector road is to be widened to a two lane divided facility between 58th St. N. and 49th St. N. It has been designed to address local drainage issues and those of the surrounding neighborhoods. Completion is anticipated in FY 03/04.	\$2,200,000	Completed	Local
60th St. N. ditch mitigation project is to install a major box culvert system along 60th St N. between 70th Avenue N. and the Pinellas Park Water Management District Channel 4. This project will promote a greater flow of storm water from the secondary drainage system into the primary drainage facility and reduce localized street and structure flooding and eliminate a dangerous open ditch situation that currently exists.	\$1,067,000	Completed	Local
Park Blvd./66th St. N. intersection improvement. Florida Department of Transportation has recently completed this project which included a drainage component to address flooding up to a 25 year storm event.	\$1,600,000	Completed	State and Federal
Park Boulevard Drainage Improvements – Phase I. Design, engineer and construct drainage improvements along Park Boulevard between 49 th Street and CSX railway. Drainage improvements reduce flooding along Park Boulevard which is a major emergency evacuation route.	\$5,281,581	Complete	State, Federal and local
Park Boulevard Drainage Improvements – Phase II. Design, engineer and construct drainage improvements along Park Boulevard between CSX railway and 66 th Street. Drainage improvements reduce flooding along Park Boulevard which is a major emergency evacuation route.	\$10,765,140	Design complete, construction underway	State, Federal and local
Park Boulevard Drainage Improvements – Phase III. Design, engineer and construct drainage improvements along Park Boulevard between 49 th Street and 34 th Street. Drainage improvements reduce flooding along Park Boulevard which is a major emergency evacuation route.	\$13,590,625	Design underway	State, Federal and local

Project	Cost	Status	Funding
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.	\$250,000	Complete	Local
Redington Shores			
Construct elevated Town Hall.	\$600,000	Complete	Local
Storm water retrofit project for areas east of Gulf Blvd.	\$600,000	Complete	Local and State
Safety Harbor			
Harden Fire Station #53 and upgrade EOC.	\$250,000	Complete	Local
South Green Springs - improvements to minimize street flooding.	\$1,500,000	Complete	Local
Street and Yard Flooding - 2nd Ave N	\$1,300,000	Complete	Local
Street Flooding improvement - Bailey Street.	\$430,000	Complete	Local
Fire Station #53, Replace Ladder Truck and Special Equipment.	\$510,000	Complete	Local
Bishop Creek Erosion and Storm Water Control.	\$1,300,000	Complete	Local and State
Seminole			
South Pasadena			
St. Pete Beach			
St. Petersburg			
Mitigated 3 waterfront properties on Bayou Grande Blvd. NE to prevent damage from flooding.	\$289,237	Complete	NFIP and Local
1st St. N. storm water project.	\$5,788,000	Complete	Local
Highland St. storm water project.	\$844,000	Complete	Local
Nebraska Ave. NE storm water project.	\$200,000	Complete	Local
3rd St. Bayboro storm water project.	\$3,668,000	Complete	Local
4th St. S Bayboro storm water project.	\$2,369,000	Complete	Local

Project	Cost	Status	Funding
Floral Lake storm water project.	\$308,000	Complete	Local
Mirror Lake alum injection system.	\$553,000	Complete	Local
Booker Creek Maintenance at Tropicana Dome.	\$203,000	Complete	Local
8th St. drain storm water project.	\$2,558,000	Complete	Local
67th St. drain storm water project.	\$681,000	Complete	Local
Lake Winston storm water project.	\$2,261,000	Complete	Local
31st St. S storm water project.	\$576,000	Complete	Local
Tinney Creek Rehab. Project.	\$194,000	Complete	Local
Ponds Ditch Rehab. Project	\$30,000	Complete	Local
Clam Bayou retrofit project.	\$286,000	Complete	Local
Ditch piping project – 4 locations throughout the city.	\$3,578,000	Complete	Local
Bayou Grande Blvd. NE project.	\$398,000	Complete	Local
Roser Park Creek project.	\$1,000,000	Complete	Local
King St. N. drainage improvements.	\$2,966,000	Complete	Local
Oak St. NE drainage improvements.	\$344,000	Complete	Local
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 9 th St. N., Lake Maggiore Station #8, 4701 Dr. 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 under way and is being funded by HMGP and a local share match.	HMGP/ Local
Tarpon Springs			
Design and develop a new EOC, 444 S. Huey.	\$50,000	Complete	Local
Harden city building for emergency operations and public shelter, 444 Huey and 400 S. Walton.	\$225,000	Complete	Local
Storm proof Treatment Plant by shutters on windows & electronic protection systems	\$18,000	Completed with HMGP funding – November 2007	HMGP/Local
Fixed generator (60 KW) to be located at the Public Services Complex used to power fuel pumps and other vital service needs within the complex	\$60,000	Purchased through city funding	Local
Portable generators to be used to supply power to critical lift stations until power is restored	\$60,000	Purchased two generators through local city funding 2007	Local

Project	Cost	Status	Funding
Harden existing Fire Station #70 to Category 3 standard	\$110,000	Project completed 2007 using City funding (\$95,000)	Local
Treasure Island			
Elevated three structures above the base floor elevation.	\$100,000	Complete	Private
Demolished three structures and replaced with conforming structures.	\$1,500,000	Complete	Private
Demolished one structure in flood area.	\$800,000	Complete	Local and State
Applications pending to elevate two structures above the base floor elevation.	\$210,000	Underway	Private and State
Drainage improvements in the Sunset Beach neighborhood to reduce flooding.	\$300,000	Complete	Local and State
Hardening of critical facilities - City Hall and Public Works complex.	\$150,000	Received HMGP grant for this project in the amount of \$71,487.	HMGP/ Local
PARC			
Retrofit one of the group homes with storm windows	\$5,000	Completed in 2007	State
Purchase and installation of an emergency generator at the PARC Center Apartment Facility	\$12,591	Completed in 2007	Private Foundation
Purchase and installation of storm shutters on the PARC Center Apartment Facility	\$49,960	Completed in 2007	Private Foundation
TOTAL AS OF December 31, 2007			