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City of Palm Coast Floodplain Management Annual Progress Report August 2015

Executive Summary

The purpose of this document is to provide an annual account of activities associated with the City of Palm Coast (“City”) Floodplain Management Program. This document facilitates information that can benefit public officials, businesses, and the Citizens of Palm Coast.

The Flagler County Local Mitigation Strategy (LMS) serves as the City’s Floodplain Management Plan under the Community Rating System (CRS) of the National Flood Insurance Program (NFIP).

Under CRS Activity 510, the City’s is required to complete a Floodplain Management Plan annual progress report. This document serves as that report.

Annual Progress Report Development

This document was prepared by one (1) of the City Certified Floodplain Managers (CFM), Denise Bevan, and subsequently reviewed by the three (3) remaining City CFM staff, Constance Bentley, Kendra Iannotti, and Michael Brennan. The referenced staff routinely conduct meetings to ensure that CRS program activities are managed and processed throughout the year.

Mrs. Constance Bentley has been designated as the City’s primary CFM. She manages the City’s CRS program and facilitates updates throughout all City Departments. Further, Mrs. Bentley is the primary reviewer of elevation certificates during the building permit stage of development.

Ms. Denise Bevan is the City Liaison for the Flagler County Local Mitigation Strategy (LMS) Workgroup. Ms. Bevan also participates in the development process and reviews land use changes, development agreements, plats, and site development applications.

Mrs. Kendra Iannotti actively participates in all CRS program activities and CFM meetings. Mrs. Iannotti primary responsibility is within the City Manager’s Office. She provides support for public information that includes website updates, brochures and library resources.

Mr. Michael Brennan secured the CFM designation in March 2013 and has dually served as a City Liaison to the LMS Workgroup. Mr. Brennan is the Stormwater Manager with the newly formed Construction Management & Engineering Division in the Community Development Department. Mr. Brennan oversees a multitude of flood hazard mitigation projects. His role and knowledge will continue to serve the CRS program and has proved to be a tremendous asset.

Adoption of the LMS / Updates

The Flagler County LMS was adopted by *Resolution No. 2011-66* by the City Council on June 7, 2011. The LMS is required to be updated every five years and is due for an update by June 14, 2016. This update was provided through the 2011 Annual Progress Report and is referenced herein due to no additional updates being required at this time.

In the 2014 annual report, it was noted that Flagler County secured a new planner, Mrs. Laura Nelson, whose primary area of expertise is hazard mitigation. Before coming to the Flagler County Emergency Management (FCEM) team, Mrs. Nelson served as the Lead Mitigation Planner at the Florida Division of Emergency Management. Since coming on in May 2014, Mrs. Nelson has secured three interns of which one has a permanent position with FCEM. Since May 2014, Flagler County FCEM has secured \$1,387,019.44 (includes pending money; does not include local cost share).

Over the last year, City staff have been working closely with County staff and community stakeholders to draft a complete rewrite of the LMS by the referenced update deadline. The LMS Workgroup is meeting frequently due to the LMS rewrite. Workgroup scheduling commitments have definitely increased since the previous reporting cycle. Of the previously referenced mitigation funds, \$122,000 in pre-disaster mitigation (federal share) is being used for plan rewrite.

As part of this annual report, the City of Palm Coast reviews the LMS project list. Concurrently, the 5-year Capital Improvement Plan (CIP) is being evaluated for qualifying projects and fiscal year 2016 pending projects are nearing adoption via the budgeting process. City staff is currently merging the documents into the “List of Mitigation Initiatives” but do not expect final consideration until after this report has been transmitted.

Purpose and Objectives of the LMS

The purpose of the LMS is to develop a unified approach among County and municipal governments for dealing with identified hazard and hazard management problems, including flooding, in the Flagler County area. The LMS serves as a tool to direct the County and municipal governments in their ongoing efforts to reduce the vulnerability to the impacts produced by both natural and man-made hazards. The LMS also helps establish funding priorities for current proposed mitigation projects and develop priority mitigation projects to be completed with such disaster assistance funds as may be available after a disaster.

The primary hazard mitigation goals, objectives, and guiding principles of the LMS are to:

- Goal 1.0** Protect the citizens of Flagler County from natural and manmade hazards.
- Goal 2.0** Provide public services during and after a disaster.
- Goal 3.0** Reduce the vulnerability of critical and public facilities from the effects of terrorism, natural, manmade, and technological disasters.
- Goal 4.0** Protect public and private property from disasters.
- Goal 5.0** Make reasonable efforts to protect water resources, unique natural habitats, and ecologically sensitive areas such as wetlands and hardwood hammocks, and restore, to the maximum extent possible, degraded natural systems to their original state.
- Goal 6.0** Improve coordination of disaster preparedness information to increase public awareness and participation in preparedness, response, recovery, and mitigation activities.

Flagler County Local Mitigation Strategy Workgroup

As referenced above, an expanded Local Mitigation Strategy Workgroup is currently established to review and make recommendations concerning the LMS. The Workgroup core consists of representatives of local municipalities, local organizations and County departments, and is coordinated by staff of the County Emergency Management Division. The LMS Workgroup quarterly scheduling remains with supplemental topic-based meetings (i.e. floodplain managers, infrastructure, wildfire mitigation, etc.). Independent of these meetings, the City anticipates additional steps to be taken to evaluate the LMS in preparation for the July 2016 update. The Workgroup will continue to regularly review and revise its List of Mitigation Initiatives that are eligible for federal and state funding, i.e. Hazard Mitigation Grant Program (HMGP), Flood Mitigation Assistance (FMA) Program, etc.

List of Mitigation Initiatives

The LMS Workgroup has established a List of Mitigation Initiatives. The list contains projects that are eligible for HMGP, FMA, and other federal and state funding. Many of the projects listed help to mitigate the potential of flood hazards.

See Attachment A to the report for the complete List of Mitigation Initiatives. As referenced in “Adoption of the LMS / Updates”, the formal list will not be updated until after this report has been transmitted. However, City staff has transmitted projects believed to be eligible to Mrs. Laura Nelson. Additional consideration by the Workgroup is anticipated due to the ranking process also being modified through the LMS rewrite.

Of the originally listed projects, over half have been completed since being placed on the list. “Weir Canal Palm Coast” and “Bridge Rehabilitation” line items inventory the major planned projects. Photographs have been provided for a selected completed project.

Weir Canal Palm Coast projects

- M3: Completed (reported in 2014)
- LO-1: Completed (2015)
- PA-1: Completed (2015 Emergency Project)
- BS-2: Future (2017)
- K-6: Future (2018)
- L-1: Future (2019)

Modeling for Storage projects

- Section 37 Tributary 2: Completed

Bridge Rehabilitation projects

- 734061: Completed (reported in 2014)
- 734062: Completed (reported in 2014)
- 734063: Currently under rehabilitation
- 734064: Future (2017)

Completed Improvements

LO-1 Surface Water Control Structure – Completed on March 3, 2015



PA-1 Surface Water Control Structure – Completed July 2015



*Section 37 Tributary 2 Stormwater Modeling Construction
Completed February 2015*



Beyond LMS projects, the City maintains a well-structured and rigid maintenance schedule of the stormwater drainage network which reduces the risk of flooding hazards. The following section inventories 2014-2015 maintenance activities conducted to ensure long-term sustainability of the City's infrastructure.

- Swale maintenance and rehabilitation (25 miles)
- Resurfacing and maintaining streets (8 miles)
- Valley gutter removal and replacement (12)
- Culvert pipe replacement (30 locations)
- Drainage ditch maintenance (150 miles 2x per year)
- Freshwater canal weed control (500 acres continual maintenance)
- Alternative weed control (1 per year, stocking of carp and installing floating wetlands for 2014)
- Repair /replacement of stormwater pipes thru seawall to saltwater canals (8 locations)
- Install seawalls on city owned property along saltwater canals (1 per year)

The actions taken within the section(s) above are part of the City of Palm Coast 5-year Capital Improvement Plan (CIP). The following Exhibit depicts the projects associated with maintaining the City's drainage and was effective during the reporting timeframe of this report.

STORMWATER MANAGEMENT FUND		FY 14 Revised	FY 15	FY 16	FY 17	FY 18	FY 19
Projects							
Swale Rehab Labor	55105	580,564	608,247	620,412	632,820	645,477	658,386
Swale Rehab Materials	55105	850,000	800,000	808,000	816,080	824,241	832,483
Pipe Replacement Labor	55003	297,134	309,835	316,032	322,352	328,799	335,375
Pipe Replacement Materials	55003	450,000	550,000	550,000	550,000	550,000	550,000
BT2 Structure Replacement		-	-	-	-	-	-
L4 Weir Rehab		-	-	-	-	-	-
Three Sisters Replacement		-	-	-	-	-	-
LO-1 Weir Replacement	55001	1,460	440,000	-	-	-	-
M2 Weir Replacement		-	-	-	-	-	-
K1 Weir Replacement		-	-	-	-	-	275,000
K6 Weir Replacement	55001	-	-	-	330,000	-	-
P1 Weir Replacement		-	-	-	-	-	-
M3 Weir Replacement	55001	453,758	-	-	-	-	-
L1 Weir Replacement	55001	-	-	222,000	-	-	-
Major Crossings - Boulder Rock	55232	6,000	335,000	-	-	-	-
Major Crossings - Smith Trail		-	-	-	300,000	-	-
Seminole Woods @ Iroquois Canal I-2		-	-	-	-	-	330,000
Modeling Improvements Sec 31		-	-	-	-	-	-
Modeling Improvements Sec 35	55231	170,000	-	-	-	-	-
Modeling Improvements Sec 37	55231	-	200,000	310,000	-	-	-
Modeling Improvements Sec 34	55231	-	25,000	-	230,000	-	-
Modeling Improvements Sec 30	55231	-	-	-	-	360,200	-
Modeling Improvements -Matanzas	55231	-	-	100,000	-	100,000	-
Electronic Monitoring System		-	-	40,000	20,000	20,000	20,000
Canal & Sewall Replacements	55230	36,250	35,000	50,000	50,000	50,000	50,000
Valley Gutter Replacements		75,000	75,000	75,000	75,000	75,000	75,000
Land Acquisitions		288,315	20,000	15,000	15,000	15,000	15,000
Fresh Water Dredging		-	-	46,000	-	-	102,000
Freshwater canal bank clearing		-	-	-	-	75,000	-
Water tower road/structures (B-1, B-3)		-	-	-	-	60,000	-
Water tower road/structures (B-2)		-	-	-	-	-	-
Lehigh access and dredge @ Old Kings		-	-	-	-	110,000	-
New Equipment		95,128	7,500	-	-	-	-
Total Expenditures		7,425,133	7,762,071	7,596,062	7,873,744	7,836,858	7,958,848

CRS Program Participation

The LMS references the importance and benefit of the City’s participation in the Community Rating System (CRS) of the National Flood Insurance Program (NFIP). Under the CRS, the City undertakes flood protection measures beyond the minimum requirements of the NFIP. By doing so, the City has recently achieved a “Class 5” certification, resulting in a 25% discount of flood insurance premiums issued within the Special Flood Hazard Area (SFHA) in the City.

The City achieves CRS points by undertaking various activities that promote flood protection. These activities are conducted by Floodplain Managers and various City departments. Following is a summary of certain ongoing activities by the Floodplain Managers and various departments:

Activity	Departments	CRS Activity #
Collect, review, and maintain elevation certificates. Provide copies to the public.	Floodplain Managers/ Planning/ Zoning/ Stormwater and Engineering	310
Provide Flood Insurance Rate Map (FIRM) information. Provide Flood Zone Determination Letters to the public. Review, maintain and update FEMA Letters of Map Amendments or Revisions. Provide flood insurance information.	Floodplain Managers	320
Provide outreach to the community. Provide flood protection information.	Floodplain Managers	330
Provide flood protection information at the library and on City website	Floodplain Managers/ Information Technology/ Flagler County Public Library	350
Provide technical advice and assistance to public with flooding conditions. Annually publicize the service.	Floodplain Managers/ Stormwater and Engineering	360
Encourage residents and businesses to purchase flood insurance coverage	Floodplain Managers	370
Preserve floodplain in open space and public acquisition.	Planning	420
Maintaining higher regulatory standards. Provide low density areas for floodplain properties. Review new development for compliance. Enforcement of regulations.	Floodplain Managers/ Planning/ Stormwater and Engineering/ Building Department/ Code Enforcement	430
Maintain and use digitized maps. Day to day management of the floodplain. Maintenance elevation reference marks.	Floodplain Managers/ Information Technology/ Stormwater and Engineering	440
Stormwater management, soil and erosion control, and water quality. Review building elevation to meet floodplain regulations.	Stormwater and Engineering/ Planning/ Floodplain Managers	450
Maintain repetitive loss records. Provide yearly notice of property protection.	Floodplain Managers	502
Implement and update Floodplain Management Plan.	Flagler County/ Planning/ Capital Improvements/ Floodplain Managers	510
Drainage system maintenance. Enforce and publicize stream dumping regulations.	Floodplain Managers/ Stormwater and Engineering	540
Emergency response program.	Stormwater and Engineering/ Flagler County	610

Certified Floodplain Manager Program

The Association of State Floodplain Manager (ASFPM) has established a national program for professional certification of floodplain managers. The program recognizes continuing education and professional development that enhances the knowledge and performance of local, state, federal, and private-sector floodplain managers. As referenced, two staff in the City's Planning Division, one in the City Manager's Office, and most recently one in the Construction & Engineering Division has achieved the status of Certified Floodplain Manager (CFM), which reflects the City's commitment to professional services in implementing the City's Floodplain Management Plan.

Training

The City CFM staff has participated in many training sessions to maintain the required Continuing Education Units (CEU). Of the many courses, stormwater management training was of particular focus in 2014-2015.

- July 2014: ASFPM Webinar, Finding that BFE
- August 2014: Open Channel Hydraulics I: Intro & Energy Balance
- September 2014: Open Channel Hydraulics II: Force Balance & Critical Depth
- November 2014: Community Rating System 510 Workshop
- December 2014: National Flood Insurance Program Community Rating System
- January 2015: Planning for Sea Level Rise
- April 2015: FFMA Annual Conference

CRS Users Group

Through the leadership of Northeast Florida Regional Council (NEFRC) staff, a CRS Users Group has been created to network government officials including the State Floodplain Manager to encourage communities to participate in the CRS program. The purpose of the group is to share approaches that have been working for our communities so that each local government can benefit, to identify issues and gaps that NEFRC and partnerships could help fill, and to generally create a support system within Northeast Florida so we can maximize community resiliency and the benefits of CRS. It is City staff's understanding that this is the first Regional CRS User Group in the State. City of Palm Coast CFMs routinely participate in the functions of this Users Group.

Outreach

City staff targets opportunities to initiate and partner with external agencies to educate the general public regarding floodplain management and associated effects on insurance policies and safety matters. Staff has participated in various events to promote flood awareness. Please see the following.

- Arbor Day (May 2, 2015)
- Earth Day (May 18, 2015)
- Citizen's Academy (3 academies per year with approximately 30 citizens per session)

In support of National Flood Safety Awareness Week in March, the City executed a multi-faceted week long campaign through social media (tips of the day), City Council Proclamation, dedicated day for walk-in consultation, and unique City-designed posters for City facilities.



Summary

The LMS, which serves as the City's Floodplain Management Plan under the CRS of the NFIP, was formally adopted by the City of Palm Coast City Council on June 7, 2011. As noted in previous sections, the LMS is currently being rewritten. As part of the LMS, the City accounts for "Mitigation Initiative Projects" and associated status. Two weirs and ongoing stormwater maintenance has been completed since the 2014 annual report with many other structures planned for rehabilitation / construction in future years.

City of Palm Coast is proud to announce the recent achievement of achieving a Class 5 certification under the CRS. Activities are undertaken by various City departments on an ongoing basis to retain the CRS certification, which results in substantial discounts to flood insurance premiums in the City of Palm Coast. The five-year CRS cycle visit was conducted on June 11, 2014 with the region's appointed ISO / CRS Coordinator.

City staff have broadened educational outreach beyond previous years. Annual events have become the new venue to reach the general public about floodplain management.

Attachment A

File #	Rank	Score	Project Name	Project Description	Hazard/ Jurisdiction	Agency Representative	Time frame	Possible Funding Source(s)	New or Existing Buildings/ Infrastructure	2011 Goal/ Objective	2016 Goal/ Objective	Status	Last Updated	Notes
		34	City of Bunnell Safety Complex	Bunnell to outfit a Safety Complex for Public Safety	All Hazards/ Bunnell	City of Bunnell	4 yrs	CDBG-R, HMGP, Bunnell Taxes	New Building	4.1 Reduce loss of personal and public property		In progress	9/1/2013	
		41	Bunnell Main Canal Restoration	Complete blockage of water flow in Bunnell main canal causing flood threat to entire city. *Master Stormwater Plan	Floods/ Bunnell/ All Jurisdictions	City of Bunnell	2 yrs	CDBG-R, HMGP, Bunnell Taxes	Existing Infrastructure	4.1 Reduce loss of personal and public property		Planning	9/14/2013	
		41	Bunnell Stormwater Analysis	Complete a comprehensive analysis of the Bunnell Stormwater System. *include in master stormwater plan	Floods/ Bunnell/ All Jurisdictions	City of Bunnell	2 yrs	CDBG-R, HMGP, Bunnell Taxes	Existing Infrastructure	4.1 Reduce loss of personal and public property		Delayed-funding	9/14/2013	
	Not Approved	44	Backup Generator @ Government Services Complex Lift Station	Purchase & install 75kw backup generator for the utility lift station at the Flagler Co. Gov. Services Complex. Complex has backup but sewer does not.	Wind/ City of Bunnell	City of Bunnell	<12 months	HMGP, PDM	Existing Infrastructure			New	9/18/2014	
	Not Approved	44	Backup Generator @ Inmate Facility Lift Station	Purchase & install 75kw backup generator for the utility lift station at the Flagler Co. inmate facility. Jail has backup but sewer does not.	Wind/ City of Bunnell	City of Bunnell	<12 months	HMGP, PDM	Existing Infrastructure			New	10/27/2014	
	Not Approved	24	Stormwater Master Plan - Bunnell	Master plan will map all critical infrastructure, link to GPS, and identify infrastructure deficiencies/ critical needs and projects	Flooding/ Bunnell	City of Bunnell	Now-2.5 years	FMA, HMGP, PDM	New & Existing Infrastructure			New	10/27/2014	
	Not Approved	21	Stormwater Master Plan Implementation - Bunnell	Implementation of Stormwater Master Plan	Flooding/ Bunnell	City of Bunnell	2016	FMA, HMGP, PDM, Stormwater Utility	New & Existing Infrastructure			New	10/27/2014	
	Not Approved	23	Hardening of Bunnell Community Center	Harden the Bunnell Community Center	Wind/ City of Bunnell	City of Bunnell	2015	HMGP, PDM, capital funds	Existing Buildings			New	10/27/2014	
	Not Approved	23	Hardening of Bunnell Fire Station	Harden the Bunnell Fire Station	Wind/ City of Bunnell	City of Bunnell	2015	HMGP, PDM, capital funds	Existing Buildings			New	10/27/2014	
	Not Approved	23	Hardening of Bunnell Public Works Facility	Harden the Bunnell Public Works Facility	Wind/ City of Bunnell	City of Bunnell	2015	HMGP, PDM, capital funds	Existing Buildings			New	10/27/2014	
	Not Approved	23	Hardening of Bunnell City Hall	Harden Bunnell City Hall	Wind/ City of Bunnell	City of Bunnell	2015	HMGP, PDM, capital funds	Existing Buildings			New	10/27/2014	
	Not Approved	23	Hardening of Bunnell Water Plant	Harden Bunnell Water Plant	Wind/ City of Bunnell	City of Bunnell	2015	HMGP, PDM, capital funds	Existing Buildings & Infrastructure			New	10/27/2014	
	Not Approved	23	Hardening of Bunnell Sewer Plant	Harden Bunnell Sewer Plant	Wind/ City of Bunnell	City of Bunnell	2015	HMGP, PDM, capital funds	Existing Buildings & Infrastructure			New	10/27/2014	
	Not Approved	26	Portable Generator	Purchase a 3 phase 240v generator with trailer to help power lift stations and assist with power to treatment facility emergency power	Wind & Flood / City of Bunnell	City of Bunnell	2015	HMGP, PDM, capital funds	Existing Infrastructure			New	10/27/2014	
	Not Approved	26	Portable Generator	Purchase a 3 phase 480v generator with trailer for backup power at lift stations and to assist with treatment facility power	Wind & Flood / City of Bunnell	City of Bunnell	2016	HMGP, PDM, capital funds	Existing Infrastructure			New	10/27/2014	
		35	Flagler Beach Stormwater Management	Develop and implement plans to mitigate stormwater drainage problems throughout the city. *Master Storm Water Plan	Floods/ Flagler Beach/ All Jurisdictions	City of Flagler Beach	Ongoing	CDBG, HMGP, Ad Valorem Tax	Existing Infrastructure	4.1 Reduce loss of personal and public property		Planning	9/14/2013	
		26	Mobile Pumps	Purchase 6" centrifugal mobile pumps to alleviate flooding during a natural disaster. *Master Stormwater Plan	Floods/ Palm Coast/ All Jurisdictions	City of Palm Coast	1 yr	Palm Coast Ad Valorem Tax	Existing Infrastructure	5.4 Protect public utilities		Planning	7/13/2015	Input from Michael Brennan
		44	Weir Canal Palm Coast	Mitigate Weir Canal Control Structure. Weir projects:#1-BS-2, #2 K-6, #3-L-1, #4-P-1, #5-L-1, #6-W-1	Floods, Hurricanes/ Palm Coast	City of Palm Coast	1-2 yrs	HMGP, Ad Valorem Tax	Existing Infrastructure	4.1 Reduce loss of personal property		Revised	7/13/2015	Input from Michael Brennan
	Not Approved		Weir gate Automation and monitoring (SCADA)	Provide remote control and monitoring of weir gate and canal water levels #1-L-4, #2-BT-2, #3-R-1, #4-BA-1	Floods, Hurricanes, Drought/ Palm Coast	City of Palm Coast	1-2 yrs	HMGP, Ad Valorem Tax	Existing Infrastructure				6/24/2015	NEW: Input from Michael Brennan

File #	Rank	Score	Project Name	Project Description	Hazard/ Jurisdiction	Agency Representative	Time frame	Possible Funding Source(s)	New or Existing Buildings/ Infrastructure	2011 Goal/ Objective	2016 Goal/ Objective	Status	Last Updated	Notes
	Not Approved		Drought Mitigation Pumps permanently installed at weirs	Provide a means of automatically restoring upstream water levels of canals during drought conditions by pump installation and utilizing existing SCADA system All gated weirs	Drought/Palm Coast	City of Palm Coast	1-2 yrs	HMGP, Ad Valorem Tax	New equipment at Existing Infrastructure				6/24/2015	NEW: Input from Michael Brennan
	Not Approved		Water Resource weir installed on St Joe Canal at corner of US-1 and Palm Coast Parkway	Mitigate and protect wetland areas and wellfields west of US-1 and north of Hargrove Grade (Proposed I.D. H-1)	Drought mitigation and resource protection/Palm Coast	City of Palm Coast	1-2 yrs	HMGP, Ad Valorem Tax	New Infrastructure				6/24/2015	NEW: Input from Michael Brennan
		23	PEP Panel Replacement	Retrofit PEP panel with new panel equipment to allow power when interrupted	All Hazards/ Palm Coast	City of Palm Coast	7 yrs	HMGP, Ad Valorem Tax	Existing Infrastructure	3.2 Develop and maintain energy during periods of disrupted energy		in progress	7/13/2015	Input from Danny Ashburn (July 6th): All new installations are panels with side mounted receptacles. When staff is performing pep maintenance and they find the old style aluminum panels they are replaced with the newer panels. In the future as staffing and workload allows the plan is to go into each individual section and change out all panels without receptacles. The program is still in progress but the five year timeline needs to be increased.
	Not Approved	TBD	Bridge Rehabilitation	Rehabilitate existing bridges: 734064 (Colorado@College Waterway)	Wind, Flood, Wildfire/ All Jurisdictions	City of Palm Coast	TBD	TBD	Existing Infrastructure			New	7/13/2015	Input from Michael Brennan
	Not Approved	44	Backup Generator - Sheriff's Operations Center	Install a 300KW natural gas powered generator to ensure uninterrupted operations.	Wind & Flood/ Flagler County	Flagler County BOCC	<12 months	HMGP, PDM, capital funds	Existing Buildings			New	9/18/2014	
	Not Approved	44	Backup Generator - Flagler Inmate Facility	Replace existing 60 KW diesel generator with 300KW natural gas powered unit to ensure uninterrupted operations and greater power output.	Wind & Flood/ Flagler County	Flagler County BOCC	<12 months	HMGP, PDM, capital funds	Existing Buildings			New	9/18/2014	check scoring- this is to replace an existing generator so it probably shouldn't be scoring as high as other projects where there is no generator currently.
	Not Approved	41	Purchase 4 Portable Generators	Purchase 2 (15KW) and 2 (25KW) portable generators to deploy during emergencies	Wind & Flood/ Flagler County	Flagler County BOCC	<12 months	HMGP, PDM, capital funds	Existing Buildings & Infrastructure			New	9/18/2014	Project needs to be clarified. Will not pass BCA as it stands and does not have a clear enough SOW for a grant application
	Not Approved	42	Harden Flagler County Fire Station #31	Install impact resistant windows and doors	Wind/ Flagler County	Flagler County BOCC	<12 months	HMGP, PDM, capital funds	Existing Buildings			New	9/18/2014	
	Not Approved	42	Harden Flagler County Fire Station #51	Install impact resistant windows and doors	Wind/ Flagler County	Flagler County BOCC	<12 months	HMGP, PDM, capital funds	Existing Buildings			Submitted under DR 4177	9/18/2014	
	Not Approved	42	Harden Flagler County Fire Station #71	Install impact resistant windows and doors	Wind/ Flagler County	Flagler County BOCC	<12 months	HMGP, PDM, capital funds	Existing Buildings			Submitted under DR 4177	9/18/2014	
	Not Approved	42	Harden Flagler County Public Library	Install impact resistant windows and doors	Wind/ Flagler County	Flagler County BOCC	<12 months	HMGP, PDM, capital funds	Existing Buildings			New	9/18/2014	
	Not Approved	42	Harden the UF/IFAS Extension Office	Install impact resistant windows and doors	Wind/ Flagler County	Flagler County BOCC	<12 months	HMGP, PDM, capital funds	Existing Buildings			New	9/18/2014	
	Not Approved	42	Harden the Flagler County Health Department Building	Install impact resistant windows and doors	Wind/ Flagler County	Flagler County BOCC	<12 months	HMGP, PDM, capital funds	Existing Buildings			New	9/18/2014	
	Not Approved	42	Structural Survey of County Buildings	Hire an engineering company to perform a structural inspection of Flagler County Buildings in need of hardening.	Wind/ Flagler County	Flagler County BOCC	<12 months	HMGP, PDM, capital funds	Existing Buildings			New	9/18/2014	
	Not Approved	35	Malacompra Drainage System- Phase 1	Construction of backbone system including stormwater ponds and outfall	Flood/ Flagler County	Flagler County BOCC	<24 months	HMGP, PDM, FMA, legislative funds	New & Existing Infrastructure			Planning complete	9/19/2014	
	Not Approved	35	Malacompra Drainage System- Phase 2	Construction of the main trunk line	Flood/ Flagler County	Flagler County BOCC	<24 months	HMGP, PDM, FMA, legislative funds	New & Existing Infrastructure			Planning complete	9/19/2014	
	Not Approved	35	Malacompra Drainage System- Phase 3	Construction of sidestreet lateral collectors in the Marineland Acres subdivision	Flood/ Flagler County	Flagler County BOCC	<24 months	HMGP, PDM, FMA, legislative funds	New & Existing Infrastructure			Planning complete	9/19/2014	

File #	Rank	Score	Project Name	Project Description	Hazard/ Jurisdiction	Agency Representative	Time frame	Possible Funding Source(s)	New or Existing Buildings/ Infrastructure	2011 Goal/ Objective	2016 Goal/ Objective	Status	Last Updated	Notes
	Not Approved	36	Westside Drainage System Planning & Permitting (Phase 1)	Conduct a conceptual study of major drainage systems to improve the efficiency of drainage and improve water quality in Western Flagler Co.	Flood/ Flagler County	Flagler County BOCC	<12 months	HMGP, PDM, FMA, legislative funds	New & Existing Infrastructure			New	9/18/2014	
	Not Approved	39	Demo Rebuild of Fire Station 92 & FireFlight hanger	Construct a new Fire Station #92 outside the floodprone area and build a bigger station to house fire admin.	Flood/ Flagler County	Flagler County BOCC	<36 months	HMGP, PDM, FMA, capital funds, taxes	New & Existing Buildings			New	9/19/2014	
	Not Approved	44	Backup Generator - Airport Fuel Farm	Purchase and install 50KW generator to keep the fuel pumps operational during power outages at the airport/staging area	Wind & Flood/ Flagler County	Flagler County BOCC	<12 months	HMGP, PDM, capital funds, taxes	New & Existing Buildings			New	9/18/2014	
	Not Approved	35	Elevation/reconstruction of Fire Station #81	Elevate the current station in the floodprone area and harden the facility to withstand 150mph winds	Wind & Flood/ Flagler County	Flagler County BOCC	<36 months	HMGP, PDM, capital funds, taxes	New & Existing Buildings			New	9/19/2014	
		42	Aerial Emergency Response Improvements	Equipment improvements for FireFlight for emergency response, recovery, and mitigation.	All Hazards/ All Jurisdictions	Flagler County EM	2 yrs	UASI	Existing Infrastructure	4.1 Reduce loss of personal and public property		In progress	12/4/2013	
	Not Approved	TBD	Shelter Retrofit- Bunnell Elementry	Retrofit Bunnell Elementry to serve as a shelter during evacuations	Wind, Flood, Wildfire/ All Jurisdictions	Flagler County EM/School Board/BOCC	2 yrs	State Shelter Retrofit Program	Existing Buildings			New	12/2/2014	Need to create a project worksheet
		38	Flood Monitoring System	Remote multi-site flood monitoring system. *Included in Master Stormwater Plan	Floods/ All Jurisdictions	Flagler County Emergency Management	1-1.5 yrs	Ad Valorem Tax, EMPA, HMGP	New Infrastructure	1.1 Maximize protection of public's safety		Planning	9/14/2013	
		20	Emergency Preparedness and Local Mitigation Strategy Educational Pamphlet	All hazard/ all jurisdiction flip page guidebook on all hazard preparedness for the residents of Flagler County as well as education on benefits of joining LMS Taskforce	All Hazard/ All Jurisdictions	Flagler County Emergency Management	1-1.5 yrs	Ad Valorem Tax, EMPA, HMGP	New Infrastructure	6.1 Education Program of preparedness & mitigation		Ongoing	1/30/2013	
		41	Wildfire Mitigation, Containment, and Suppression Improvements	Improve wildfire containment and suppression throughout Flagler County	Wildfires/ All Jurisdictions	Flagler County Emergency Services	Ongoing	HMGP, CDBG, Ad Valorem Tax	Existing Infrastructure	1.1 Maximize protection of public		In process	9/21/2013	
		38	Flagler County Shore Protection Project	Protect shoreline from increasing rate of erosion and deteriorating dune system	Floods, Hurricanes/ Flagler Beach, Beverly Beach, Marineland	Flagler County Engineering	Immediate	HMGP, CDBG, Ad Valorem Tax	Existing Infrastructure	4.2 Protect natural resources		Erosion Study February 2014	1/27/2014	
		27	Enhance FCSO Storage Capabilities	Harden facility which exceeds standard building codes for the storage of emergency equipment and materials. *Alternate use as a pet-friendly shelter	All Hazards/ All Jurisdictions	Flagler County Sheriff's Office	2 yrs	HMGP, Ad Valorem Tax	New Building	3.3 Incorporate hazard mitigation measures		Delayed-funding	9/14/2013	
		35	School Board Stormwater Analysis	Engineering study to plan for mitigation of longstanding stormwater drainage issues at FPC. *Master Stormwater Plan	Floods/ Palm Coast/ All Jurisdictions	School Board	2 yrs	HMGP, CDBG, School Board Tax	Existing Infrastructure	3.1 Designing and Installing water proofing components for critical facility		Planning	1/27/2014	