



City of PALM COAST

Community Development Department
Planning Division

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Palm Coast, FL 32164
386-986-3736

City of Palm Coast Floodplain Management Annual Progress Report August 2021

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 is required to complete a Floodplain Management Plan annual progress report. This document serves as that report.

Annual Progress Report Development and Staff Roles

This document was prepared by one (1) of the City Certified Floodplain Managers (CFM), Jordan Myers, and subsequently reviewed by the five (5) remaining City CFM staff, Patrick Buckley, Kendra Iannotti, Denise Bevan, Carmelo Morales, and Mike Peel. A brief description of these CFM staff are provided in the following section(s). The referenced staff and the remaining Floodplain, Outreach, Awareness & Management (FOAM) Workgroup members, routinely conduct meetings to ensure that CRS program activities are managed and processed throughout the year. Additional discussion of the Team’s role and responsibilities are discussed in the following sections.

Ms. Jordan Myers, CFM is the primary reviewer of elevation certificates during the building permit stage of development. Her core responsibility revolves around the development process and reviews land use changes, development agreements, plats, and site development applications. In June 2021, Ms. Myers took over the CRS Coordinator and Floodplain Administrator role from Ms. Bevan.

Mr. Patrick Buckley, CFM is the Chief Building Official for Palm Coast and has worked in building code enforcement for twenty eight years. He has been a CFM since 2007 spending most of his time as a floodplain administrator in two Colorado communities with riverine floodplains subject to flash-flooding events and regulating several existing critical facilities located in the floodplain.

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

In the noted reporting cycle, Ms. Denise Bevan, CFM served as the primary CFM / CRS Coordinator for the City of Palm Coast starting April 2016. In June 2021, Ms. Bevan was promoted to Interim City Manager with Ms. Jordan Myers securing the CRS Coordinator role. Ms. Bevan remains engaged in the City’s Floodplain Management Program in different capacities. She continues to support the Flagler County Local Mitigation Strategy (LMS) Working Group to assist as needed; however, it is important to note that many other staff contribute and attend meetings.



Mr. Mike Peel, PE, CFM serves as the City's Engineer and achieved CFM certification in June 2017. He has also held a professional license in civil engineering since July 1985. He is responsible for the overall management of the City's stormwater system. Mr. Peel and Mr. Carmelo Morales consult on application requests for FEMA map revisions.

Mr. Carmelo Morales, PE, CFM serves as the City's Stormwater Design & Construction Engineer and achieved CFM certification in August 2021. He has also held a professional license in civil engineering (water resources and environmental) since 2012. He is responsible for Capital Improvement Plan (CIP) management, Stormwater designs, Stormwater plan reviews, floodplain compliance, and the MS4 permit.

FOAM (Floodplain Outreach, Awareness & Management) Workgroup Mission Statement:

To support and educate our citizens about flood hazards and the National Flood Insurance Program, while ensuring a safe community through steadfast stewardship of floodplain management, hazard mitigation, open space protection, and comprehensive stormwater management.

The Team's priority is to ensure the City's esteemed reputation in the floodplain community is maintained while providing a safe environment for our citizens.

Members, Titles and CRS Activity Focus:

- Patrick Buckley, CFM
Chief Building Official; Role: Florida Building Code regulations
- Jordan Myers, CFM
Environmental Planner; Role: CRS Coordinator & City Floodplain Administrator (All Activities)
- Mike Peel, CFM
Engineer; Role: Activities 360, 450, 540
- Carmelo Morales, CFM
Stormwater Design & Construction Engineer; Role: Activities 360, 450, 540
- Kendra Iannotti, CFM
Executive Assistant to the City Manager; Role: Activities 330, 350, 360
- Damaris Ramirez
Site Development Coordinator/Planner; Role: All Activities
- Conrad Troha
Stormwater System Coordinator; Role: Activities 360, 450, 540
- Cathy Almberg
GIS Specialist; Role: Activities 420, 440, 501

To learn more, the following link will provide more detail. <https://crsresources.org/manual/>

Adoption of the LMS / Updates

The Flagler County Local Mitigation Strategy (LMS) was adopted by *Resolution No. 2016-49* by the City Council on May 17, 2016. The LMS update was just recently accepted on June 17, 2021 and is now approved for another five years. This report respects the effective LMS that gives Flagler County and its municipalities the opportunity to determine what all-hazards mitigation actions need to be taken to minimize damage before the next disaster strikes.

City staff continues to work with County staff and other LMS stakeholders quarterly to enhance floodplain management activities across the entire County.

As part of this annual report, the City of Palm Coast reviews the LMS project list. Concurrently, the 5-year CIP has been evaluated for qualifying projects; fiscal year 2021 projects have been approved via

adoption of the budget. Please see Attachment A for the City mitigation projects. Detailed information about each project can be found in the following sections. Please see “Attachment A List of Mitigation Initiatives”.

Purpose and Objectives of the LMS

The purpose of the Local Mitigation Strategy (LMS) is to develop a unified approach among County and municipal governments for dealing with an identified hazard and hazard management problems, including flooding, in the Flagler County area. It established an ongoing process that makes hazard mitigation part of the daily routine for the entire community. 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. Implementation of planned, pre-identified, and cost-effective mitigation measures not only helps reduce loss of life, destruction of property, and damage to the environment, but also aids in the decision making process during the recovery and reconstruction following a disaster.

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

Goal 1.0 Minimize impacts from hazards to infrastructure, critical facilities, and property.

Goal 2.0 Minimize the impact to natural resources (including water resources, wetlands, and coastal habitats).

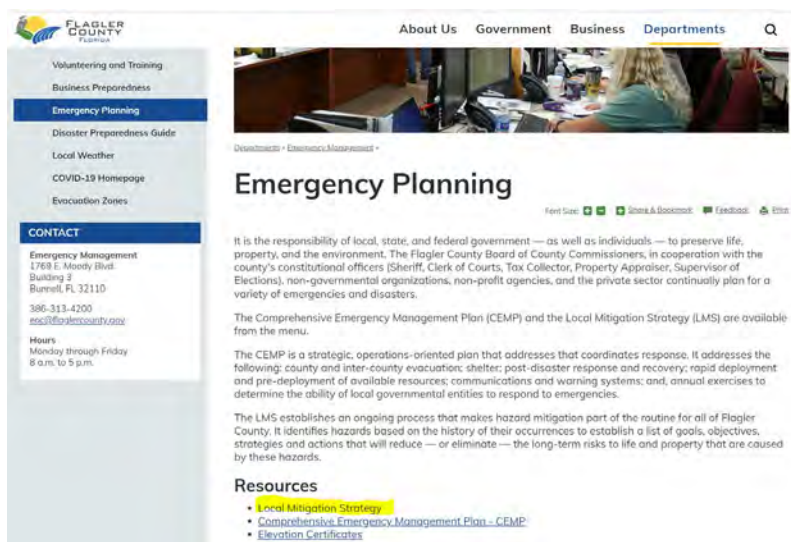
Goal 3.0 Promote community awareness of vulnerability and mitigation options.

Goal 4.0 Reduce potential hazard related economic losses to businesses.

Goal 5.0 Strengthen regional relationships in regards to mitigation among municipalities, agencies, and other organizations.

Goal 6.0 Promote methods of funding mitigation projects, including innovative methods.

The plan is available for download and viewing by visiting Flagler County Emergency Management website and [clicking on this link](#).



The screenshot shows the Flagler County Emergency Management website. The header includes the Flagler County logo and navigation links for "About Us", "Government", "Business", and "Departments". A search icon is also present. The main content area is titled "Emergency Planning" and includes a sub-header "Disasters - Emergency Management". The page text explains the responsibility of local, state, and federal government to preserve life, property, and the environment, and describes the Comprehensive Emergency Management Plan (CEMP) and the Local Mitigation Strategy (LMS). A "Resources" section lists links for "Local Mitigation Strategy", "Comprehensive Emergency Management Plan - CEMP", and "Elevation Certificates". A sidebar on the left contains links for "Volunteering and Training", "Business Preparedness", "Emergency Planning", "Disaster Preparedness Guide", "Local Weather", "COVID-19 Homepage", and "Evacuation Zones". A "CONTACT" section provides the address, phone number, and hours of the Emergency Management department.

Flagler County Local Mitigation Strategy Working Group

As noted in the LMS, “the Working Group acts as a local coordination committee to support and recommend projects for various grant programs; recommends to other regulating agencies or organizations ideas on how to better mitigate the community against natural disasters; and provides educational outreach to the general public about ways to prepare for disaster and mitigation opportunities for their homes and businesses.” The Group’s 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 Working Group meetings are scheduled quarterly with supplemental topic-based meetings (i.e. floodplain managers, infrastructure, wildfire mitigation, etc.). The Working Group will continue to regularly review and revise its Prioritized Project List that are eligible for federal and state funding, i.e. Hazard Mitigation Grant Program (HMGP), Flood Mitigation Assistance (FMA) Program, Building Resilient Infrastructure and Communities (BRIC), Community Development Block Grant (CDBG), etc. Over the course of the last year, two meetings were conducted on 9/11/20 and 6/17/21; however, due to COVID-19, meeting frequency has been reduced for emergency management to focus on the pandemic along with preparing for a potentially active wildfire and hurricane season(s).

List of Mitigation Initiatives

The LMS Working Group has established a list of mitigation projects. 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 this report for the complete Prioritized Project List. Of those listed, the following projects were submitted to the Florida Division of Emergency Management for eligibility and were awarded Hurricane Matthew and Irma HMGP funding.

- Project #PC-11: 15 Wastewater Collection System Lift Station Generators (8 of 15 installed to date)
- Project #PC-12: City Hall generator (completed in 2020)
- Project #PC-14: Manhole Dish Project to reduce inflow and infiltration (all dishes installed in 2021)
- Project #PC-15: 5 Lift Station Generators (all generators installed, 4 of 5 completed, one working on start-up)
- Project #PC-16: Add 3 culverts to existing cross-drains

Federal Share = \$884,784.98
City Share = \$ 2,424,928.33
Total Cost = \$ 3,309,713.31

As referenced in the previous section, the list is a living document and routinely updated. Staff is currently working to incorporate other projects discussed in this report onto the list to reflect the City’s effort to mitigate risk. Additional consideration by the Working Group is anticipated due to the ranking process also being modified through the LMS rewrite and updated processing conducted at the state level.

Of the originally listed projects, most have been completed since being placed on the list. The following section provides sample photographs of projects on the LMS list that are completed or underway during this reporting cycle.

Sample image of a Pump Station Generator Project



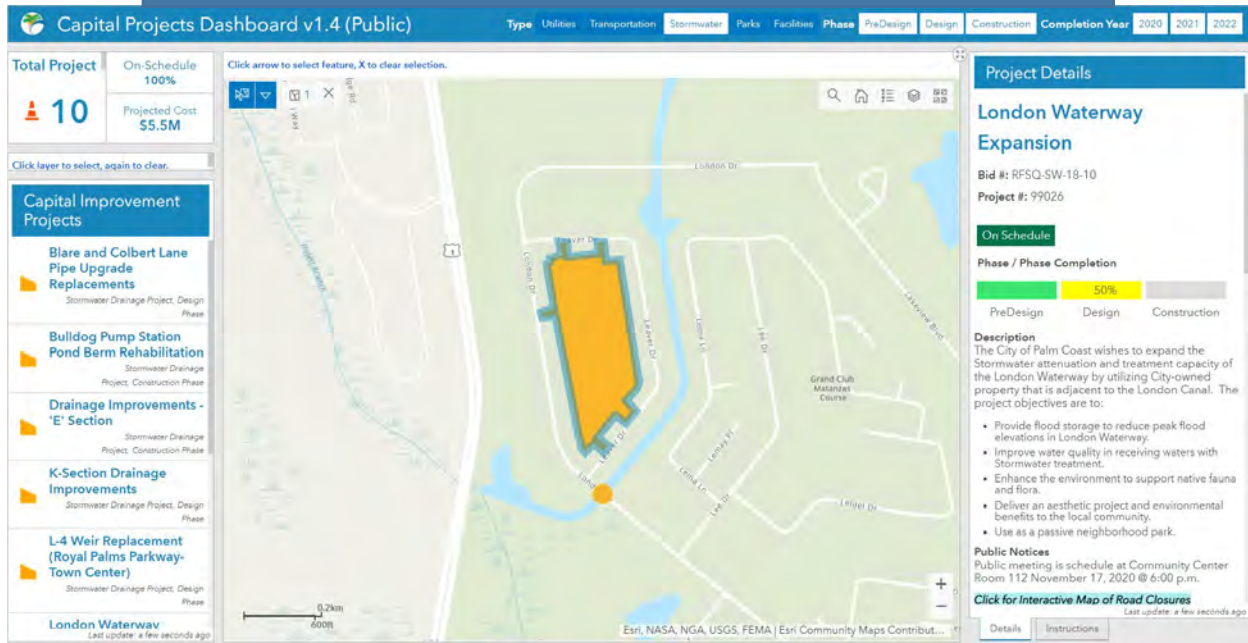
The City Stormwater Department continues to maintain and improve a structured maintenance program of the stormwater drainage network that reduces the chances of localized flooding hazards. With efforts from the GIS Department, and the Maintenance and Engineering teams from Stormwater, several tools have been developed which make tracking metrics easier and pinpointing areas of concern more efficient.

The following inventories maintenance activities conducted in-house by City staff since September 2020:

- Swale maintenance and rehabilitation – 182,537 LF
- Valley gutters – 13 Total
- Culvert pipe replacement – 3,642 LF
- Culvert pipe cleaning – 140,069 LF
- Freshwater canal weed control – 7,990 Acres
- Drainage ditch maintenance – 2,885,586 LF
- Catch basins and control structures cleaned out – 507 Total

The Stormwater Engineering Team is continuously pursuing contracts from consultants and contractors to assist with Capital Improvement Plan projects outside of the capabilities and equipment capacity of City Maintenance staff. These and other projects are incorporated into a Geographic Information System (GIS) Mapping Viewer to assist with project management and sharing updates with the public.

CIP Project Dashboard – Collaboration project between Engineering



Enhanced Stormwater Management Program

Beginning in October 2018, the City implemented a new enhanced stormwater program. This program includes improvements to level of service and a greater emphasis on maintenance of major waterways, pipe crossings, ditches, inspection programs, and an accelerated Capital Improvement Program. This enhanced program is focused on a more proactive approach to maintenance and improvements. Recent improvements to the maintenance program have included full Geographic Information System (GIS) mapping and documentation of all swale issues and work performed. As noted previously, staff is currently working on the inclusion of ditch maintenance and pipe replacements to a GIS mapping program. The infrastructure assets are being field verified with a new inspection program concurrently commencing. As noted in the last report, a new Stormwater & Engineering Department was established that consolidated functions of Community Development, Construction Management & Engineering, and Public Works departments to address aging infrastructure as well as drainage issues across Palm Coast. The Stormwater Division personnel and specialized equipment is now centralized at the Fuel Depot, 22 Utility Drive; the construction and renovation of the campus that now includes seven (7) buildings, parking and infrastructure; the project has been completed.

Below is an outline of CIP projects that have been contracted out to external firms for design and construction during FY 2021:

Design

- L-4 Weir Replacement – Design completed June 2021
- London Waterway Expansion - Ongoing
- Colbert and Blare Drainage Improvements - Ongoing
- K-Section Drainage Improvements - Ongoing
- P-1 Weir Replacement – Ongoing
- Water Quality Program - Ongoing

Construction

- E-Section Drainage Improvements – Ongoing
- FPC Berm Rehabilitation – Completed July 2021
- K-6 Weir Replacement – Completed March 2021
- K-9 Emergency Pipe Replacement – Completed
- Pipe Inspections
 - 20 Major Pipe Crossings – Completed 2021
- Trenchless Pipe Rehabilitation – Bid in April 2021
 - RE-1A @ Royal Palms Parkway – Completed August 2021
 - PI_29_C305 @ Royal Palms Parkway East – To be completed September 2021
 - PI_22_S2220-1 @ 20 Westfield Place – To be completed September 2021
 - PI_25_S2512 @ 95 Persimmon Drive – Completed August 2021
 - PI_25_S2511 @ 77 Persimmon – To be completed September 2021
 - PI_33_C125 @ 25 Redmill Drive – To be completed September 2021
 - PI_37_C561 @ Londonderry Drive – Completed in March 2021
 - PI_09_C031 @ @ 22 Fayy Lane – Completed August 2021
 - PI_25_S2504 @ 84 Plainview Drive – Completed August 2021
 - PI_25_S2503 @ 112 Plainview Drive – To be completed September 2021
 - PI_20_S208 @ 30 Webwood Place – Completed



Pipe Inspections of Major Pipe Crossings

Through the Citywide Stormwater Master Plan, areas are identified that are susceptible to potential flooding. Project targets include infrastructure that requires improvements, enhancements or additional maintenance. With this approach, the City develops a CIP that addresses areas of concern and identifies projects that will provide the greatest benefit to the citizens of Palm Coast. The Master Plan modeling has identified and incorporated new development changes and aided the development community in providing the most efficient lowest impact stormwater management facilities.

The actions taken within the section(s) above are part of the City of Palm Coast Stormwater Utility enterprise fund budget process. See Attachment B for the existing approved budget.



Cured in Place Pipe (CIPP) Lining – Persimmon Drive



London Waterway Concept Plan



K-9 Emergency Pipe Replacement –Before Construction



K-6 Weir Replacement- Complete



FPC Berm Rehabilitation – Complete

CRS Program Participation

The Local Mitigation Strategy (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 achieved a “Class 4” certification, resulting in a 30% discount of flood insurance premiums issued within the Special Flood Hazard Area (SFHA) in the City effective on May 1, 2017. For properties outside SFHA, 10% discount will remain the same. No discounts are applicable to those holders of preferred risk policies that are already significantly discounted. At time of achieving the Class 4, it was estimated that approximately 5,500 Palm Coast citizens and businesses currently have active flood insurance policies. As a result of Palm Coast’s CRS participation, policy holders realize an annual savings of approximately \$100,000. It should be noted that beginning October 1, 2021, new policies are going to be evaluated based on Risk Rating 2.0 methodology. For more information, please follow the link below.

<https://www.fema.gov/flood-insurance/risk-rating>

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

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

Activity	Departments	CRS Activity #
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 Division/ Code Enforcement	430
Maintain and use digitized maps. Day to day management of the floodplain. Maintenance of 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/ Building Division/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/ Fire Department /Flagler County EMS	610

These activities are now reviewed through a new centralized collection process for annual recertification purposes for all CRS communities. The City of Palm Coast received the results of the 2020 recertification; staff did achieve a 100% accuracy, no errors on the review of elevation certificates. In this reporting cycle, the Team has completed the 3-year cycle Community Assistance Visit (CAV) through Insurance Services Office (ISO) with the exception of a required revision to the Land Development Code. This revision is to the Floodplain Management section of Chapter 10 and is still going through the approval process. The results of the CAV will be provided in the next annual report.

Being a Class 4 designation, the City of Palm Coast must participate in this comprehensive review of all activities conducted through the community's floodplain management program; the process ensures that activities remain consistent with the CRS standard of a Class 4. Currently, there are only 17 other communities with this class designation or better across the United States which results in discounts for customers holding flood insurance policies. Within the State of Florida, Ocala, a Class 3, and Pinellas

County are the only communities that rank higher than the City of Palm Coast. See Attachment C for participating communities in Florida and FEMA Fact Sheet (Attachment D).

Certified Floodplain Manager Program

The Association of State Floodplain Managers (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, one staff member in the City’s Planning Division, one in the Building Division, two in the City Manager’s Office, and one in the Stormwater & Engineering Department have achieved the status of Certified Floodplain Manager (CFM). These certifications reflect the City’s commitment to professional development in implementing the City’s Floodplain Management Plan. All CFM certified staff are in good standings with the required continuing education requirements.

Training

The City CFM staff have participated in many virtual training sessions to maintain the required Continuing Education Units (CEU) and beyond. Numerous other training activities were conducted amongst the remaining Certified Floodplain Managers to maintain their certifications.

Outreach

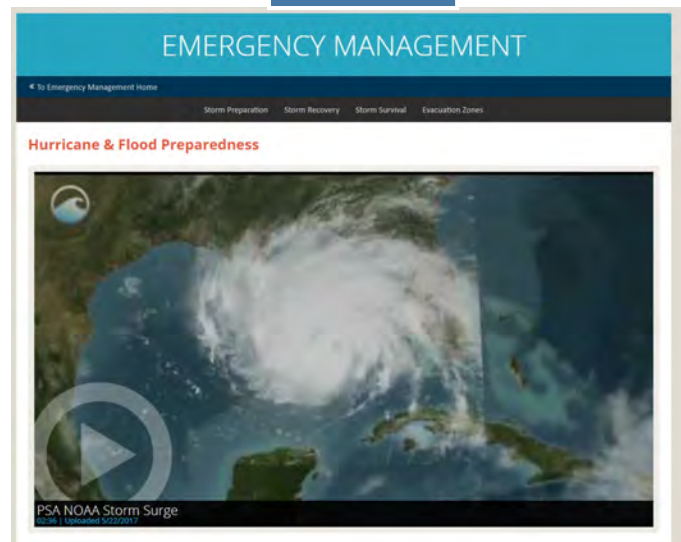
City staff targets opportunities to initiate and partner with external agencies to educate the general public regarding floodplain management and associated effects on insurance policies and safety matters. Each Spring, an informational brochure is released to the public via a utility bill insert. In addition, staff participates in various events to promote flood awareness, and the [City’s website](#) serves as a resource for tips and other helpful information. Many planned outreach initiatives have been affected by COVID-19.

- Annual Utility Bill Insert (May 2021)
- Annual Mailing to Insurance and Real Estate Brokers for flood insurance awareness (May 2021)
- Annual Mailing to owners of new single-family homes constructed in a Special Flood Hazard Area (May 2021)
- Emergency Preparedness Social Media Campaign

Page on City website for Emergency Management



Sample Facebook post of emergency preparedness campaign



Flood Insurance Rate Maps and Flood Insurance Study

On June 6, 2018, the updated Flood Insurance Rate Maps and Study took effect. Since the new FIRMs took effect, Team members have been busy with the increase volume of requests for flood zone determinations because of residents receiving lender letters notifying that flood zone(s) changed and resulting mandate to purchase flood insurance. During this reporting cycle, CFMs responded to 70 requests for a flood zone determination.

Summary

The Flagler County Local Mitigation Strategy (LMS), which serves as the City's Floodplain Management Plan under the Community Rating System (CRS) of the National Flood Insurance Program (NFIP), was formally adopted by the City of Palm Coast City Council on May 17, 2016 and updated on June 17, 2021. As part of the LMS, the City accounts for Mitigation Initiative Projects and associated status. A strong element to these efforts is the maintenance and improvement of the overall performance of the master stormwater system. Many other improvements are being planned and under design for construction in future years as part of the Stormwater Master Plan. Lastly, the City has been very successful in securing grants to offset the cost of mitigating risk while ensuring continuum of services of water and wastewater utilities City-wide.

As part of the CRS requirements, the City of Palm Coast participates in annual recertification and a comprehensive assessment every three years called a Community Assistance Visit (CAV) conducted by Insurance Services Office (ISO). 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 City of Palm Coast achieved did receive a 100% accuracy, no errors on the review of elevation certificates through the annual recertification process. This process was coupled with the 3-year cycle Community Assistance Visit (CAV) through Insurance Services Office (ISO). See Attachment D. In this reporting cycle, the Team has completed the CAV reporting requirements with the exception of a required revision to the Land Development Code. This revision is to the Floodplain Management section of Chapter 10 and is still going through the approval process. The full results of the CAV will be provided in the next annual report. Currently, there are only 20 other communities with this class designation or better across the United States which results in discounts for customers holding flood insurance policies. Within the State of Florida, Ocala, a Class 3, and Pinellas County are the only Florida communities that rank higher than the City of Palm Coast. See Attachment C.

For insurance holders located within a special flood hazard area (A and AE zones), a 30% reduction is applied at renewal which is an average savings of \$120 per policy. For properties outside the Special Flood Hazard Area, 10% discount remains the same. It should be noted that beginning October 1, 2021, new policies are going to be evaluated based on Risk Rating 2.0 methodology. For more information, please follow the link below.

<https://www.fema.gov/flood-insurance/risk-rating>

City staff have steadily improved educational outreach activities; however, COVID-19 has inhibited some planned activities to be implemented. City staff recognizes that these activities are critical to expand awareness regarding the importance of infrastructure maintenance, flood insurance, emergency preparedness and City services. The [City website content](#), publications, utility bill inserts, and annual mailing elements have been enhanced to include information on the Flood Insurance Rate Map changes that took effect on June 6, 2018 and the City's Enhanced Stormwater Management Program.

Attachment A

File #	Rank	Score	Project Name	Project Description	Hazard Mitigated* / Jurisdiction	Agency Representative	Time frame	Estimated Cost	Possible Funding Source(s)	New or Existing Buildings/ Infrastructure	2016 Goal/ Objective	Status**	Last Updated	Notes
MJD-1		77	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, Flood/City of Bunnell & Flagler Co.	Flagler County General Services Department	<12 months	\$140,000	HMGP, PDM	Existing Infrastructure	Obj 1.6 Improve resiliency of water/sewer facilities	Submitted under DR-4337	3/30/2021	in progress; generator would operate bunnell infrastructure but services a Flagler county building; in procurement as of 5/7/2020
PC-14		77	Manhole Dish Project	install flood prevention devices to reduce inflow and infiltration into central sewer system	Floods/ Palm Coast	City of Palm Coast Utilities Department	<1 year	\$50,000	Capital R & R	Existing Infrastructure	Goals 1 & 2	in progress	10/28/2020	
FLG-16		77	Fixed Generator at Well fields	Purchase 2 (100KW) generators to power Plantation Bay and Eagle Lakes wellfields during power outage situations	Power failure/Flagler County	Flagler County General Services Department	1 year	\$110,000	HMGP, PDM, Capital funds	Existing Infrastructure	Goal 1; obj 1.6;1.7	Submitted under DR-4337	3/30/2021	in progress
PC-15		77	5 Pump Station Generators	Add 5 generators to certain lift stations throughout the city of Palm Coast	Power Failure/ Palm Coast	City of Palm Coast Utilities Department	<1 year	\$290,000	HMGP, capital funds	Existing Infrastructure	1.6; 1.7	in progress	10/28/2020	
FHF-2		70	Increase Emergency Back Up Generation Power	Add an additional generator to be able to run chillers and keep hospital operational during power outages. Currently they can only operate emergency lights and some power with their generators	Wind, Power Failure/ All Jurisdictions	AdventHealth Palm Coast, Facilities	<2 years	\$500,000	HMGP, PDM, hospital funds	Existing Buildings	Goal 1; Obj 4.3	in progress	3/11/2021	95% complete; working with DEM for reimbursement.
FHF-1		70	FHF Windstorm Resistance Mitigation Retrofit	Retrofit the portions of the building to new critical facility standards which would include new impact windows and hardening of walls	Wind/ All Jurisdictions	AdventHealth Palm Coast, Facilities	<1 year	\$4,350,000	HMGP, PDM, hospital funds	Existing Buildings	Goal 1; Obj 4.3	in progress	3/26/2021	In progress. Have had an RFP posted for SMRC for some time, though not a lot of engagement from firms.
MJD-8		70	Harden Flagler County Fire Station #71	Install impact resistant windows and doors and add a generator	Wind/ Flagler County	Flagler County General Services Department	<12 months	\$75,000	HMGP, PDM, capital funds	Existing Buildings	Obj 1.7 Retrofit structures	in progress	3/30/2021	ready for closeout
FLG-11		70	Generator @ Hidden Trails Community Center	Add a 125kw generator to the Hidden Trails Community Center	Power Failure/ Flagler County	Flagler County General Services Department	<1 yr	\$63,000	HMGP, PDM, Capital funds	Existing Infrastructure	Obj 1.2 and 3.1	in progress	3/30/2021	ready for closing, waiting for reimbursement
MDJ-25		70	Inmate Facility Generator	Install a 750 KW Generator to fully power the jail and repurpose the existing generator	Power Failure/ All Jurisdictions	Flagler County General Services Department	<1 yr	\$232,400	HMGP, PDM, Capital funds	Existing buildings	Obj 1.2 and 1.7	in progress	3/30/2021	ready for closing, waiting for reimbursement
BNL-7		70	Hardening of Bunnell Fire Station	Flagler County will apply on behalf of the City of Bunnell to Harden the Bunnell Fire Station and add generator	Wind/ City of Bunnell	Flagler County General Services Department	2018	\$50,000	HMGP, PDM, capital funds	Existing Buildings	Obj 1.7 Retrofit structures	Submitted under DR-4337	3/30/2021	in progress
PC-11		69	PC Wastewater Collection System Lift Station Generators	Provide a stationary generator and automatic transfer station at each of the 15 lift station locations	Power Failure/City of Palm Coast	City of Palm Coast Utilities Department	<1	\$600,000	HMGP, PDM, Capital program funds, R&R	Existing Infrastructure	1.6; 1.7	in progress	10/28/2020	In progress
FLG-10		69	Individual Lift Station Generators	Add 5 generators to certain lift stations throughout the county	Power Failure/ Flagler County	Flagler County General Services Department	<1 yr	\$875,600	HMGP, PDM, Capital funds	Existing Infrastructure	Obj 1.6	in progress	3/30/2021	ready for closing, waiting for reimbursement
FLG-12		69	County Hazardous Vegetation Wildfire Mitigation	Create defensible space, reduce fuel loads throughout county property	Wildfire/Flagler County	Flagler County Land Management Department	1 year	\$50,000	HMGP, General Fund	Existing Buildings and Infrastructure	Goal 2	under contract DR-4283	3/20/2021	undergoing SOW change.
FLG-13		69	Portable Generators	Purchase 4 portable generators to take around to lift stations throughout the county	Power Failure/ Flagler County	Flagler County General Services Department	<1 yr	\$100,000	HMGP, General Fund	Existing Buildings	1.6; 1.7	under contract DR-4283	3/30/2021	ready for closing, waiting for reimbursement
FLG-14		69	Haw Creek Community Center Generator	Purchase a permanent generator so the community center can function as a comfort station and POD post disaster	Power Failure/ Flagler County	Flagler County General Services Department	<1 yr	\$56,100	HMGP, General Fund	Existing Buildings	1.6; 1.7	under contract DR-4283	3/30/2021	ready for closing, waiting for reimbursement

File #	Rank	Score	Project Name	Project Description	Hazard Mitigated* / Jurisdiction	Agency Representative	Time frame	Estimated Cost	Possible Funding Source(s)	New or Existing Buildings/ Infrastructure	2016 Goal/ Objective	Status**	Last Updated	Notes
FLG-15		69	Espanola Community Center	Purchase a permanent generator so the community center can function as a comfort station and POD post disaster	Power Failure/ Flagler County	Flagler County General Services Department	<1 yr	\$56,100	HMGP, General Fund	Existing Buildings	1.6; 1.7	under contract DR-4283	3/30/2021	ready for closing, waiting for reimbursement
BNL-10		69	2 Bunnel Lift Station Generators	install generator, transfer switch and concrete pad at 2 lift stations in Bunnell	Power Failure/City of Bunnell	City of Bunnell Public Works Department	<1 year	\$100,000	HMGP, capital funds	Existing Infrastructure	Obj 1.6 Improve resiliency of water/sewer facilities	Submitted under DR-4337	3/26/2021	Was changed to 5 mobile generators. Federal award amount was \$138,069.75. RFP is in process.
MDJ-26		68	Humane Society Generator	Add a generator to the humane society	Power Failure/ All Jurisdictions	Flagler Humane Society	<1 year	\$78,000	HMGP, donations	Existing Building	Goal 1; 4.2; 6.2	in progress	3/20/2021	Shutters installed; Generator contract in place; applied for advance and extension, awaiting word from state
SB-5		68	Matanzas High School Generator	Add a generator to Matanzas High so it can serve as a shelter	Power Failure/ All Jurisdictions	Flagler County School Board, Plant Services	<1 year	\$790,213	HMGP, capital funds	Existing Building	Goal 1; Obj 1.1 & 1.2	Submitted under DR-4337 & Tier 3 DR-4399	3/20/2021	no update; also submitted under HMGP for Hurricane Michael DR-4399
FLG-27		66	Water Oak Canal Restoration	Ensure the drainage system which drains the 30 square mile area does not block and flood homes.	Flood / Flagler County	Flagler County Land Management Department	1 year	\$517,368	CDBG-DR	Existing Buildings	1.6	in progress	3/15/2021	Awarded CDBG-DR funding, no executed agreement yet.
FLG-2		64	Malacompra Drainage System- Phase 2	Construction of the main trunk line	Flood/ Flagler County	Flagler County Public Works/Engineering Department	<24 months	\$1,000,000	PDM, FMA, legislative funds	New & Existing Infrastructure	Obj. 1.6 Improve resiliency of water/sewer facilities	in progress	3/26/2021	FDOT agreement in place. Work estimated to begin in April 2021. Both phases 2 and 3 are under a single contract.
FLG-3		64	Malacompra Drainage System- Phase 3	Construction of side street lateral collectors in the Marineland Acres subdivision	Flood/ Flagler County	Flagler County Public Works/Engineering Department	<24 months	\$1,000,000	PDM, FMA, legislative funds	New & Existing Infrastructure	Obj. 1.6 Improve resiliency of water/sewer facilities	in progress	3/26/2021	FDOT agreement in place. Work estimated to begin in April 2021. Both phases 2 and 3 are under a single contract.
FLB-9		64	Wickline Hardening	Windows and doors replacement for the entire three building complex. A roof replacement for the Senior Center.	Wind/Flagler Beach	City of Flagler Beach Public Works Department	<1	\$ 304,683.00	HMGP, HLMP, BRIC	Existing bldg		Submitted under DR-4468	3/11/2021	
E.FMD-1		63	E.Flagler Mosquito Control District Generator	Insure facily can operate and address a number of vector born diseases and reduce the potential for public health emergency.	Power Failure	East Flagler Mosquito Control District		\$62,000		Existing Building	1.7		6/2/2021	
FLG-6		62	Replace and Repurpose Generator at Justice Center	Replace existing 300 KW generator at the County's Justice Center with a 600 KW generator so that the entire building will have backup power and move existing generator to a fire station	Wind/Flagler County	Flagler County General Services Department	1 year	\$250,000	HMGP, PDM, Capital Funds	Existing Buildings	Goal 1 Minimize Impacts	in progress	3/30/2021	waiting for reimbursement
FLB-7		62	S. Central Drainage Project	Construct open swales on Central Ave and buy exfiltration pipes on Daytona Ave, collecting water for recharge and channeling the flow to the saltwater marsh and ICW W of Flagler Ave.	Flood/Flagler Beach	City of Flagler Beach Public Works Department	<1	\$ 1,300,000	HMGP	New & existing bldgs & infrastructure	1.5; 1.6	in progress	2/27/2019	funded under SJRWMD program. Project moving forward

File #	Rank	Score	Project Name	Project Description	Hazard Mitigated* / Jurisdiction	Agency Representative	Time frame	Estimated Cost	Possible Funding Source(s)	New or Existing Buildings/ Infrastructure	2016 Goal/ Objective	Status**	Last Updated	Notes
FLG-23		62	SRL Buyout (S. Flagler Ave)	Acquire and demo SRL property; return to open space	Flood/ Flagler Beach	Flagler County Emergency Management Department	<1	\$331,000	FMA; CDBG-DR Irma Vol. Home Buyout	Existing bldg	1.8; 2.2	Submitted under CDBG-DR Irma & FMA	11/19/2019	\$331,000 before duplication of benefits (approx \$225,000 after)
FLG-22		59	Malacompra Greenway Wildfire Mitigation	Remove approximately 90 acres of dead vegetation posing a wildfire threat	Wildfire/ Flagler County	Flagler County Land Management Department	<1	\$750,000	HMGP	Existing Buildings	Goal 2	Submitted under DR-4337	3/20/2021	no changes; submitted again under HMGP for Hurricane Michael DR-4399
PC-16		56	Stormwater Conveyance Improvements	Add three (3) culverts to existing cross-drains under Blare Drive. Replace existing cross-drain pipes under Colbert Lane box culverts & replace existing cross-drain pipes under Colbert Lane	Flood/ Palm Coast	City of Palm Coast Stormwater & Engineering Department	<2	\$2,130,000	HMGP, SJRWMD REDI	Existing Infrastructure	Goal 1; Goal 2	in progress	10/28/2020	Under design. Estimate of \$2.13 million
PC-5		54	Water Resource weir installed on St Joe Canal at corner of US-1 and Palm Coast Parkway	Constructing a Water Resource Control Structure (WRCS) on St Joe Canal at the corner of US-1 and Palm Coast Parkway to hold back ground water to replenish and rehydrate the well fields west of US-1	Drought, saltwater intrusion /Palm Coast	City of Palm Coast Community Development Department	5 years	\$350,000	HMGP, PDM, Ad Valorem Tax	New Infrastructure	Goal 1 Minimize Impacts	Being Studied	10/28/2020	Being Studied for feasibility by SJWMD
MJD-13		52	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 Public Works/Engineering Department	<12 months	\$120,000	HMGP, PDM, FMA, legislative funds	New & Existing Infrastructure	Objs. 1.2, 1.6, 1.7, 1.9	in progress	7/1/2020	Request for qualifications conducted and firm selected. Also submitted under CDBG-MIT general planing grant
MJD-19		48	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 Department	1-1.5 yrs	\$0	Ad Valorem Tax, EMPA, HMGP	New Infrastructure	Goal 3 Promote community awareness of mitigation	ongoing	11/19/2019	brochures created and handed out throughout the year
FLG-LM		76	Environmentally Sensitive Land	The Hansford Property is a 2.9 acre parcel that shares a border with Washington Oaks State	Wind (Hazardous Trees) Wildfire	Flagler County Land Management	1 Year	?	Proposal	Existing	Obj. 1.2,1.3,1.4,1.6,Goal 2,2.2,2.3,2.4,2.5,2.6,2.7,2.8,2.9,3.1,3.2,3.3,3.4,3.5,3.6,3.7,3.8,3.9,4.1,4.2,4.3,4.4,4.5,4.6,4.7,4.8,4.9,5.1,5.2,5.3,5.4,5.5,5.6,5.7,5.8,5.9,6.1,6.2,6.3,6.4,6.5,6.6,6.7,6.8,6.9,7.1,7.2,7.3,7.4,7.5,7.6,7.7,7.8,7.9,8.1,8.2,8.3,8.4,8.5,8.6,8.7,8.8,8.9,9.1,9.2,9.3,9.4,9.5,9.6,9.7,9.8,9.9	project in planning stage	6/15/2021	New & Existing
FLG-LM		61	E-Section Defensible Space	will provide education on Hazard mitigation and the	Wind (Hazardous Trees) Wildfire	Flagler County Land Management		160,000	Proposal	Existing	6.1 (Rubicon) 6.2	project in planning stage	6/15/2021	New & Existing

*Hazards mitigated do not necessarily match up to the hazards identified in Section 4 of the LMS Plan; hazards may be attributed to the impacts caused by the various hazards identified in Section 4. For example, "Power Outage" may appear in the hazard mitigated column which would equate to projects that have power failure as an impact such as tropical cyclones, tornadoes and severe storms.

If the hazard mitigated is listed as "Wind," it refers to hazards that contain high wind, such as tropical cyclones, severe storms, & tornadoes. The "Flood" hazard would mitigate hazards such as sea level rise, coastal flooding, storm surge & floods.

**Deferred projects are listed as such due to a lack of funding.



City of Palm Coast Next Year Budget Analysis

-36%
(2,823,238)

-32%
(2,521,836)

		2018 Actual	2019 Actual	2020 Original Budget	2020 Revised Budget	2020 YTD Actuals	2020 Projected Amount	2021 Requested Amount
54205509	STORMWATER ENGINEERING	6,890	2,176,383	7,821,072	7,821,072	3,128,331	4,997,834	5,299,236
012000	SALARIES AND WAGES	0	720,462	553,207	533,913	376,380	533,913	555,080
012010	CAR/CELL ALLOWANCE	0	4,418	3,800	4,320	2,945	4,320	5,490
014000	OVERTIME	0	11,257	10,000	10,000	5,004	10,000	10,000
021000	FICA TAXES	0	38,309	31,440	33,996	22,907	33,996	35,306
021100	MEDICARE	0	8,959	7,358	7,956	5,354	7,956	8,262
022000	RETIREMENT CONTRIBUTIONS	0	75,700	58,579	63,464	45,677	63,464	66,821
023000	HEALTH INSURANCE	0	100,086	87,693	97,421	53,685	97,421	101,426
023030	LIFE INSURANCE	0	1,213	2,225	2,411	716	2,411	2,538
023035	DISABILITY	0	1,830	2,201	2,385	1,233	2,385	2,511
024000	WORKERS COMPENSATION	0	12,208	7,710	8,347	9,821	8,347	8,659
	PERSONAL SERVICES	0	974,442	764,213	764,213	523,722	764,213	796,093
031000	PROFESSIONAL SERVICES	6,890	214,736	411,000	411,000	49,034	261,000	203,000
	City-Wide Infrastructure Stormwater Master Plan						50,000	50,000
	Stormwater Capital Projects Design Services						100,000	50,000
	MS4 Permitting Program						71,000	63,000
	Miscellaneous Services						40,000	40,000
034000	OTHER CONTRACTUAL SVCS	0	484,454	10,000	10,000	783	20,000	22,000
	Miscellaneous Services						10,000	12,000
	Structure Repairs						10,000	10,000
040000	TRAVEL & EXTERNAL TRAINING	0	7,703	14,250	14,250	508	2,050	1,850
	American Society of Floodplain Managers (ASFM) FFMA Conference						1,750	0
	Florida Stormwater Association (FSA) Conference						0	1,350
	Additional Training and Items to Maintain/Renew Licenses & Certifications						300	500
041100	IT&C ALLOCATION	0	0	0	0	0	0	106,848
044100	FLEET REPLACEMENT ALLOCATION	0	0	0	0	0	0	7,792
045001	PROPERTY INSURANCE	0	0	0	0	0	0	35,322
045002	LIABILITY INSURANCE	0	0	0	0	0	0	21,842
045003	AUTOMOBILE INSURANCE	0	0	0	0	0	0	449
046100	FLEET MAINTENANCE ALLOCATION	0	0	0	0	0	0	4,486
046102	FLEET COMMUNICATIONS ALLOCATIO	0	0	0	0	0	0	2,624
052000	OPERATING SUPP&EQUIPUNDER\$5K	0	31,778	20,360	20,360	14,689	20,360	6,860
	Truck & Hand Tools, Misc. Supplies						1,500	1,500
	Uniform Shirts (62 Shirts @\$30/shirt)						1,860	1,860
	Boot Stipends						1,000	1,000
	Calibration & Replacement of Minor/Small Survey Equipment						7,500	2,500
	4GB Surface for new Swale Specialist including 1 24" monitor & 1 30" monitor						2,500	0
	Wyse Station & 24" monitor (8 Training Computers)						6,000	0
052005	FUEL CHARGE	0	8,580	8,000	8,000	7,137	8,000	8,000
054000	BOOKS, PUB, SUBSCRIP, MEMBERSH	0	2,915	2,709	2,709	2,050	4,139	4,418
	Association of State Floodplain Managers (ASFPM) Membership						400	400
	Florida Floodplain Managers Association (FEMEA) Membership						400	400
	Florida Stormwater Association (FSA) Membership						1,250	1,250
	Florida Surveying & Mapping Society (FSMS) Membership						279	279
	American Society of Floodplain Managers (ASFM) License/Certification						100	0



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(2,823,238) -32%
(2,521,836)

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54205509	STORMWATER ENGINEERING	6,890	2,176,383	7,821,072	7,821,072	3,128,331	4,997,834	5,299,236
	Florida Board of Professional Engineers (FBPE) License/Certification						0	200
	National Society of Professional Surveyors (NSPS) License/Certification						460	80
	Additional Memberships, Licenses & Certifications						1,000	1,000
	Books, Publishing's & Educational						250	250
	Project Management Institute (PMI) Membership						0	139
	Florida Engineering Society (FES) Membership						0	420
	OPERATING EXPENDITUR	6,890	750,165	466,319	466,319	74,201	315,549	425,491
061000	LAND	0	912	0	0	0	8,500	0
063000 55001	IMPR-CONTROL STRUCTURE REPL	0	10,626	0	0	0	0	0
063000 55003	DITCH & PIPE REHAB & RENEWAL	0	33,143	450,000	450,000	94,115	485,000	250,000
	Design						50,000	50,000
	Construction						435,000	200,000
063000 55230	CANAL PIPE & SEAWALL REPLACEME	0	51,685	80,000	80,000	5,499	80,000	60,000
	Canal End Seawalls						70,000	50,000
	Pipes thru Seawalls						10,000	10,000
063000 55232	MAJOR CANAL CROSSING	0	81,185	1,370,000	2,130,000	1,446,019	1,732,049	290,000
	Pipe Lining						1,508,879	0
	Emergency Pipelining						106,100	250,000
	Pipe Inspections						117,070	40,000
063000 55234	MAJOR CROSSING W-1	0	0	0	0	0	24,490	25,000
063000 55236	BELLE TERRE BLVD PIPELINING	0	0	210,000	245,000	223,493	223,493	0
063000 99012	K-6(SMITH TR) CTRL STR & MAJOR	0	63,226	965,000	635,000	55,825	240,000	410,000
	Design						60,000	22,000
	Construction						180,000	388,000
063000 99013	L-4(ROYAL PALMS) CONTROL STR	0	0	180,000	180,000	33,474	80,000	40,000
	Design						80,000	40,000
063000 99014	DRAINAGE IMPR PROJECTS	0	0	200,000	200,000	20,314	100,000	200,000
	Design						100,000	200,000
063000 99015	DRAINAGE IMPR - R SECTION	0	22,735	291,000	131,000	34,143	65,000	0
	Design						35,000	0
	Construction						30,000	0
063000 99016	CONCRETE LINED DITCH REP-F SEC	0	0	950,000	645,000	480,511	565,000	0
063000 99018	DRAINAGE IMPR - E SECTION	0	129,669	1,890,000	1,890,000	132,476	190,000	2,400,000
	Design						140,000	95,200
	Construction - Phase I (Dredging)						0	1,959,800
	Construction - Phase 2 (Pipes & End walls)						0	345,000
	Conservation Easements/Mitigation						50,000	0
063000 99025	DRAINAGE BLARE & COLBERT	0	0	0	0	0	60,000	70,000
	Design						60,000	70,000
063000 99026	DRAIN-LONDON WTY PHASE I	0	0	0	0	0	60,000	80,000
	Design						60,000	80,000
063000 99027	STORMWATER FACILITY IMP	0	0	0	0	0	0	100,000
	Facility Generator						0	30,000
	Facility Generator Construction						0	10,000



City of Palm Coast Next Year Budget Analysis

-36%
(2,823,238) -32%
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		2018 Actual	2019 Actual	2020 Original Budget	2020 Revised Budget	2020 YTD Actuals	2020 Projected Amount	2021 Requested Amount
54205509	STORMWATER ENGINEERING	6,890	2,176,383	7,821,072	7,821,072	3,128,331	4,997,834	5,299,236
	Flag Pole - Design						0	1,000
	Flag Pole - Construction						0	4,000
	Facility Sign - Design						0	2,500
	Facility Sign - Construction						0	12,500
	Additional Parking - Motorcycle - Design						0	3,500
	Additional Parking - Motorcycle - Construction						0	8,500
	Building 'X' - Removal of Support at Inmate Parking - Design						0	1,500
	Building 'X' - Removal of Support at Inmate Parking - Construction						0	2,500
	Building 'E' - Enclose Storage Bay - Design						0	2,500
	Building 'E' - Enclose Storage Bay - Construction						0	8,500
	Additional Site Lighting - Design						0	2,500
	Additional Site Lighting - Construction						0	10,500
063000 99043	WEIR REPLACEMENT P-1	0	0	0	0	0	0	125,000
	Design						0	125,000
064000	MACHINERY & EQUIPMENT OVER \$5K	0	5,163	0	0	0	0	0
	CAPITAL EXPENDITURES	0	398,343	6,586,000	6,586,000	2,525,869	3,913,532	4,050,000
091501	TRANSFER TO FLEET MANAGEMENT	0	53,433	0	0	0	0	27,652
	NV3-FY21 - New Ford Escape Hybrid (Stormwater Engineering)						0	27,652
091525	TRANSFER TO ITC FUND	0	0	4,540	4,540	4,540	4,540	0
	Surface for field/desk employee with (1) 24" monitor & (1) 30" monitor for new Survey Tech						3,390	0
	8GB Surface and docking station plus 24" monitor for MMajewski						1,150	0
	INTERFUND TRANSFER	0	53,433	4,540	4,540	4,540	4,540	27,652

City of Palm Coast
10 Year Capital Improvement Plan

CAPITAL PROJECTS FUND	FY 20 Budget	FY 20 Projected	FY 21
<u>Prior Year Carry-over:</u>	4,853,155	8,493,609	4,896,774
<u>Revenues:</u>			
Small County Surtax:	3,255,395	2,441,546	2,405,000
<u>Transfers:</u>			
Transfers:	804,220	702,686	3,984,328
Transfer from Recreation Impact Fees - Comm Center	804,220	702,686	-
Transfer from Fleet Fund - Public Works	-	-	300,000
Transfer from Utility Fund Reserves to Fund Balance - Public Works	-	-	1,916,356
Transfer from Stormwater Fund - Public Works	-	-	1,606,187
Transfer from Building Fund - Public Works	-	-	161,785
Interest on Investments	-	85,000	-
Holland Park Settlement	-	116,286	-
<u>Grants:</u>			
Grants:	343,047	352,929	-
USTA Grant for Tennis field renovations	20,000	20,000	-
FEMA - City Hall Generator	99008 323,047	332,929	-
Little League Grant	-	-	20,000
<u>Total Revenues:</u>	4,402,662	3,698,448	6,409,328
Total Available Funds	9,255,817	12,192,056	11,306,102
<u>Expenditures:</u>			
Other Contractual:	25,000	-	-
<u>Path & Trail Projects:</u>			
Path & Trail Projects:	30,000	-	-
Path Rehab & Renewal (Existing)	51007 30,000	-	-
- Graham Swamp: Boardwalk Repair & Replacement	30,000	-	-
<u>Park Projects:</u>			
Park Projects:	4,050,000	4,337,070	925,000
Holland Park Phase II	66010 4,050,000	4,337,070	925,000
- Holland Park Improvements Design/CEI	50,000	50,000	25,000
- Holland Park Renovation Construction	4,000,000	4,287,070	900,000
<u>Park Projects - Rehab & Renewal:</u>			
Park Projects - Rehab & Renewal:	1,895,000	1,233,354	370,000
Park Rehab and Renewals	66008 1,895,000	1,233,354	370,000
- ITSC: Facility Improvements	520,000	503,000	-
- ITSC: Field #1 & #2 Sod Replacement	120,000	90,000	-
- ITSC: Field #1 Conversion to Softball (2)	250,000	310,000	-
- ITSC: Field #2 Conversion to Baseball/Softball (2)	-	-	50,000
- ITSC: Maintenance Building Roof Painting	-	-	20,000
- Ralph Carter: -Add Pickle Ball Courts	515,000	-	-
- Ralph Carter: Basketball Court Resurfacing	-	-	30,000
- Ralph Carter: Skate Park Component Replacements	-	-	-
- Ralph Carter: Multi-Purpose Field Sod Replacement & Underdrain	-	-	-
- Ralph Carter Park: Pavalion Renovation & Reroof	-	-	-
- Seminole: Basketball Court Resurfacing	-	-	30,000
- Seminole: Tennis Court Resurfacing & Improvements	-	-	45,000
- Palm Harbor Golf Club: Clubhouse Improvements	190,000	230,000	-
- Palm Harbor Golf Club: ReRoof Maintenance Bldg & Cart Barn	-	-	100,000
- Palm Harbor Golf Club: Irrigation Supply Study	-	-	30,000
- Tennis Center: Reroof Clubhouse	-	-	20,000
- Tennis Center: Court Rehabilitation (1-2)	-	-	20,000
- Waterfront: Fishing Pier Deck Board Replacement	100,000	10,354	-
- Other Projects to be Determined	125,000	40,000	-

CAPITAL PROJECTS FUND		FY 20 Budget	FY 20 Projected	FY 21
- Contingency / Safety Improvements		75,000	50,000	25,000
IT Capital Projects:				
IT Capital Projects:		345,000	270,903	1,010,000
Information Technology Capital Upgrades	99009	345,000	270,903	1,010,000
- Fiber Connections & Dig Once (City Facilities)	0		25,903	110,000
- Network Equipment Upgrades		245,000	95,000	550,000
- Park & Facility Security Upgrades		100,000	150,000	50,000
- COLO 2 Relocation		-	-	300,000
Other Projects:				
Other Projects:		25,000	20,000	15,000
Wetland Mitigation Bank Construction	59004	25,000	20,000	15,000
City Facility Projects:				
City Facility Projects:		1,560,000	1,433,955	5,300,000
Community Center Renovation and Expansion	61530	-	2,265	75,000
Community Center Generator	61534	-	2,100	10,000
Fire Station 22	49010	-	-	30,000
- Reroof		-	-	30,000
Fire Station 23		-	-	30,000
- Kitchen Renovation		-	-	30,000
Fire Station 24		-	-	15,000
- Exterior Painting		-	-	15,000
City Hall	99001	-	87,000	-
- City Hall Interior Modifications		-	87,000	-
City Hall / Community Wing Generator	99008	400,000	411,000	-
Public Works Facility		1,110,000	901,490	4,985,000
- Temporary Office Trailer & Operations Bldg. Modifications	59003	360,000	499,546	60,000
- Design & CA, Permits & Fees, Other	59005	750,000	401,944	1,925,000
- Construction	59005	-	-	3,000,000
Energy Improvements at City Facilities	52005	50,000	25,000	130,000
Facilities ADA Transition Plan & Implementation	TBD	-	5,100	-
Facility Contingency & Projects to be determined		-	-	25,000
Transfers:		300,000	-	1,253,502
Transfer to Streets Fund - Citation Path		300,000	-	-
Transfer - Long Creek Park Impact Fee Fund Share		-	-	115,228
Transfer - Waterfront Park Park Impact Fee Fund Share		-	-	138,274
Transfer - Regional Tennis & Pickleball Court Facility - Park Impact Fee		-	-	1,000,000
Total Expenditures		8,230,000	7,295,282	8,873,502

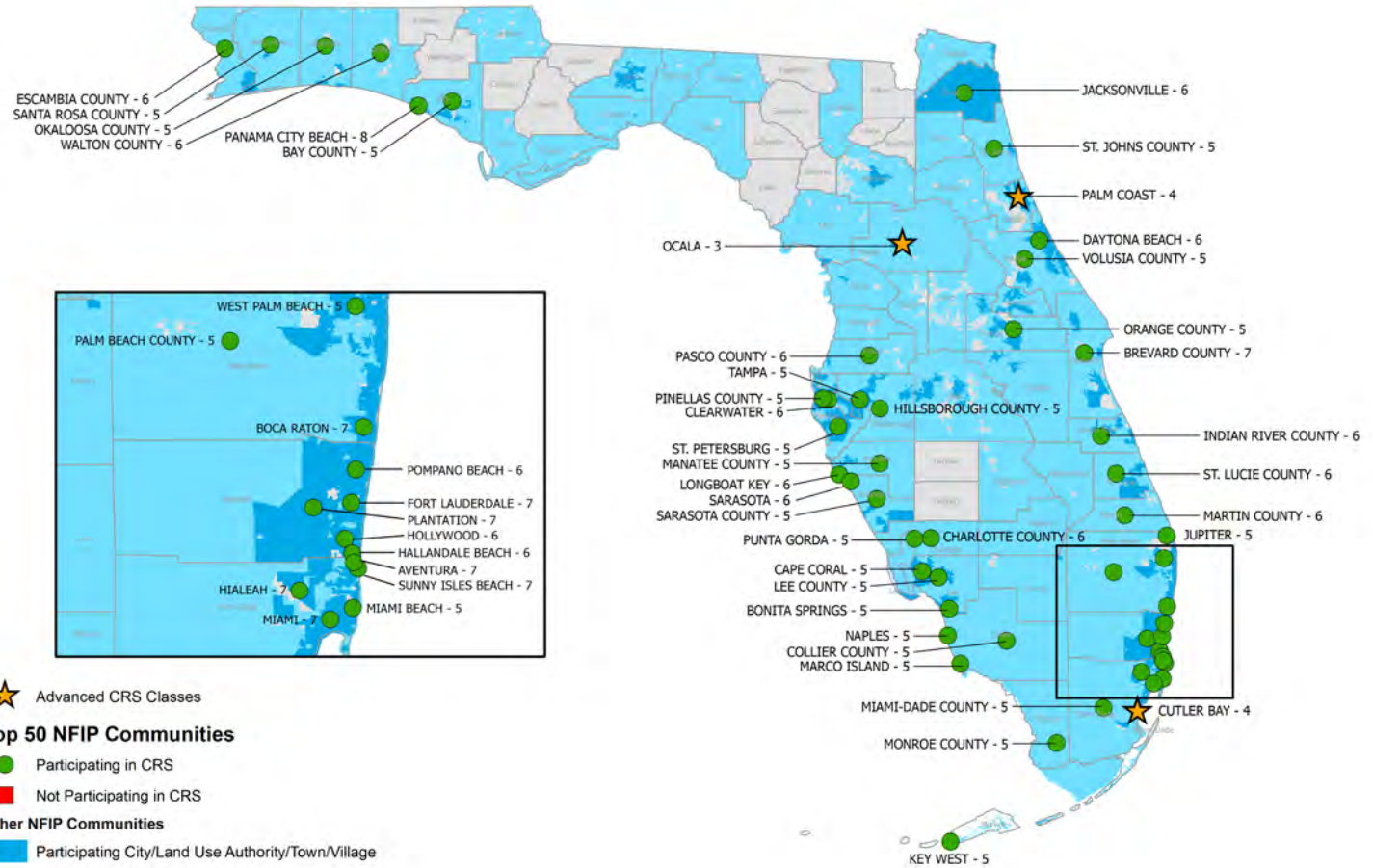
Signature: 

Email: mmorton@palmcoastgov.com

Top 50 National Flood Insurance Program (NFIP) Policy Count Communities* and Community Rating System (CRS) Participation

*Ranked by the total number of NFIP insurance policies-in-force

Rank	CID	Community Name	Policies	Class
1	120635	Miami-Dade County	120,753	5
2	120067	Collier County	72,380	5
3	125124	Lee County	65,716	5
4	120650	Miami	52,231	7
5	120651	Miami Beach	44,701	5
6	120192	Palm Beach County	43,053	5
7	125105	Fort Lauderdale	39,200	7
8	125144	Sarasota County	37,374	5
9	120112	Hillsborough County	35,417	5
10	125148	St. Petersburg	34,641	5
11	125095	Cape Coral	33,752	5
12	125139	Pinellas County	32,449	5
13	125147	St. Johns County	28,736	5
14	120061	Charlotte County	28,285	6
15	120114	Tampa	27,197	5
16	120077	Jacksonville	24,593	6
17	125092	Brevard County	23,112	7
18	125113	Hollywood	22,390	6
19	120153	Manatee County	22,144	5
20	120230	Pasco County	21,889	6
21	120676	Aventura	19,021	7
22	120317	Walton County	18,742	6
23	120055	Pompano Beach	18,012	6
24	125110	Hallandale Beach	17,468	6
25	120426	Marco Island	16,205	5
26	120195	Boca Raton	15,702	7
27	125130	Naples	15,348	5
28	120161	Martin County	15,099	6
29	120688	Sunny Isles Beach	14,405	7
30	125129	Monroe County	14,312	5
31	120004	Bay County	14,183	5
32	120080	Escambia County	13,916	6
33	120643	Hialeah	13,596	7
34	120119	Indian River County	13,309	6
35	120274	Santa Rosa County	12,874	5
36	120680	Bonita Springs	12,758	5
37	120013	Panama City Beach	12,217	8
38	125096	Clearwater	11,384	6
39	120173	Okaloosa County	10,140	5
40	125126	Longboat Key	9,802	6
41	120285	St. Lucie County	9,396	6
42	120179	Orange County	9,275	5
43	125155	Volusia County	8,738	5
44	125119	Jupiter	8,589	5
45	120062	Punta Gorda	8,361	5
46	125150	Sarasota	8,083	6
47	120168	Key West	8,017	5
48	120054	Plantation	8,014	7
49	120229	West Palm Beach	7,968	5
50	125099	Daytona Beach	7,899	6



For a full list of CRS communities, visit <https://www.fema.gov/flood-insurance/rules-legislation/community-rating-system>

As of August 2020, 466 communities in Florida participate in the National Flood Insurance Program (NFIP). Of these communities, 242 (or 52%) participate in the Community Rating System (CRS). Of the top 50 Florida communities (in terms of flood insurance policies-in-force), 100% participate in CRS.

Benefits of Joining the CRS

- * Activities credited by the CRS provide direct benefits to the community, including enhanced public safety, reduction in flood damage and environmental protection.
- * Residents are reminded that the community is working to protect them from flood losses.
- * Public information activities will build a knowledgeable constituency interested in supporting and improving flood protection measures.
- * Money stays in the community instead of being spent on insurance premiums.





FEMA

Fact Sheet

Federal Insurance and Mitigation Administration

Community Rating System

2020

The National Flood Insurance Program (NFIP) Community Rating System (CRS) was implemented in 1990 as a voluntary program for recognizing and encouraging community floodplain management activities exceeding the minimum NFIP standards. Any community in full compliance with the minimum NFIP floodplain management requirements may apply to join the CRS.

Over 1,500 Communities Participate in the CRS

Over 3.6 million policyholders in 1,509 communities participate in the CRS by implementing local mitigation, floodplain management, and outreach activities that exceed the minimum NFIP requirements.

Under the CRS, flood insurance premium rates are discounted to reward community actions that meet the three goals of the CRS: (1) reduce flood damage to insurable property; (2) strengthen and support the insurance aspects of the NFIP; and (3) encourage a comprehensive approach to floodplain management.

Although CRS communities represent only 7 percent of the over 22,000 communities participating in the NFIP, over 70 percent of all flood insurance policies are written in CRS communities.

CRS Classes

The CRS uses a Class rating system that is similar to fire insurance rating to determine flood insurance premium reductions for residents. CRS Classes* are rated from 9 to 1. Today, most communities enter the program at a CRS Class 9 or Class 8 rating, which entitles residents in Special Flood Hazard Areas (SFHAs) to a 5 percent discount on their flood insurance premiums for a Class 9 or a 10 percent discount for Class 8. As a community engages in additional mitigation activities, its residents become eligible for increased NFIP policy premium discounts. Each CRS Class improvement produces a 5 percent greater discount on flood insurance premiums for properties in the SFHA.

* CRS Class changes occur on May 1 and October 1 of each year. The data contained in this fact sheet were current through October 2019.

Best of the Best

Nine communities occupy the highest levels of the CRS. Each tailored its floodplain management program to its own hazards, character, and goals. These programs comprise numerous activities, many of which are credited by the CRS. The average discount in policyholder premiums varies according to a community's CRS Class and the amount of insurance coverage in place.

- **Roseville, California**, was spurred by floods in 1995 to strengthen its floodplain management program. Today the City (Class 1) earns points for almost all CRS-creditable activities. The average premium discount for policies in the Special Flood Hazard Area (SFHA) is \$925.
- **Sacramento County, California**, (Class 2) is diligent in its public outreach on protecting waterways, purchasing flood insurance, and preparing for floods. Average SFHA premium discount: \$547.
- **Fort Collins, Colorado**, (Class 2) uses diverse approaches to keep its large student population informed. Identifying and protecting critical facilities and constant GIS improvements help the city maintain its exemplary program. Average SFHA premium discount: \$676.
- Comprehensive planning has been a key to **Tulsa, Oklahoma**, in reducing flood damage from the dozens of creeks within its jurisdiction. The City (Class 2) has cleared more than 900 buildings from its floodplains. Average SFHA premium discount: \$791.
- **King County, Washington**, (Class 2) has preserved more than 100,000 acres of floodplain open space and receives additional CRS credit for maintaining it in a natural state. Average SFHA premium discount: \$783.
- **Pierce County, Washington**, (Class 2) maintains over 80 miles of river levees. The County mails informational brochures to all floodplain residents each year. Average SFHA premium discount: \$784.
- **Thurston County, Washington**, has a history of planning for hazard mitigation, watershed protection, and open space. Strict development standards and stormwater management have helped the County reach Class 2. Average SFHA premium discount: \$688.
- **Sacramento, California**, applies a range of higher regulatory standards, mitigates its repetitive loss properties, and manages a sizeable stormwater system to achieve its Class 2. Average SFHA premium discount: \$457.
- **Ottawa, Illinois**, has combined buyouts, a flood warning and notification system, and continual public awareness initiatives to help it cope with periodic floods and also reach CRS Class 2. Average SFHA premium discount: \$853.

CRS Credit

A community accrues points to improve its CRS Class rating and receive increasingly higher discounts. Points are awarded for engaging in any of 19 creditable activities, organized under four categories: (1) Public information, (2) Mapping and regulations, (3) Flood damage reduction, and (4) Warning and response.

Formulas and adjustment factors are used to calculate credit points for each activity.

The communities listed below are among those that have qualified for the greatest premium discounts:

Class 1: Roseville, California

Class 2: City of Sacramento, California
Sacramento County, California
Fort Collins, Colorado
Ottawa, Illinois
Tulsa, Oklahoma
King County, Washington
Pierce County, Washington
Thurston County, Washington

Class 3: Louisville–Jefferson County, Kentucky
Ocala, Florida
Sea Isle City, New Jersey

Class 4: Maricopa County, Arizona
Cutler Bay, Florida
Palm Coast, Florida
Charlotte, North Carolina
Charleston County, South Carolina
Folly Beach, South Carolina

Benefits of the CRS

Lower cost flood insurance rates are only one of the rewards a community receives from participating in the CRS. Other benefits include

- Citizens and property owners in CRS communities have increased opportunities to learn about risk, evaluate their individual vulnerabilities, and take action to protect themselves, as well as their homes and businesses.
- CRS floodplain management activities provide enhanced public safety, reduced damage to property and public infrastructure, and avoidance of economic disruption and loss.

- Communities can evaluate their flood programs against a nationally recognized benchmark.
- Technical assistance in designing and implementing some activities is available to community officials at no charge.
- CRS communities have incentives to maintain and improve their flood programs over time.

How to Apply

To apply for CRS participation, a community must initially inform the Federal Emergency Management Agency (FEMA) Regional Office of its interest in applying to the CRS and will eventually submit a CRS application, along with documentation that shows it is implementing the activities for which credit is requested. The application is submitted to the Insurance Services Office, Inc. (ISO)/CRS Specialist. ISO works on behalf of FEMA and insurance companies to review CRS applications, verify communities' credit points, and perform program improvement tasks.

A community's activities and performance are reviewed during a verification visit. FEMA establishes the credit to be granted and notifies the community, the State, insurance companies, and other appropriate parties.

Each year, the community must verify that it is continuing to perform the activities that are being credited by the CRS by submitting an annual recertification. In addition, a community can continue to improve its Class rating by undertaking new mitigation and floodplain management activities that earn even more points.

CRS Training

CRS Specialists are available to assist community officials in applying to the program and in designing, implementing, and documenting the activities that earn even greater premium discounts. A week-long CRS course for local officials is offered free at FEMA's Emergency Management Institute (EMI) on the National Emergency Training Center campus in Emmitsburg, Maryland, and can be field deployed in interested states. A series of webinars is offered throughout the year.

For More Information

A list of resources is available at the [CRS page of the FEMA website](#). For more information about the CRS or to obtain the CRS application, contact Insurance Services Office, Inc. at nfipcrs@iso.com.