



City of Marco Island

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To: Mike McNees, City Manager
From: Kelli DeFedericis, Floodplain/CRS Coordinator
Date: November 22, 2021
Subject: Community Rating System (CRS) section 510 Annual Progress Report

Background:

510 Floodplain Management Planning – Summary

The local Mitigation Strategy (LMS) plan was adopted April 6, 2020. The attached progress report is an annual report to confirm the City of Marco Island is an active member of the LMS planning committee.

Discussion:

Step 10 of CRS section 510

An evaluation report on progress towards plan implementation must be prepared at least once each year and submitted with the community's annual CRS recertification. The report must be submitted to the governing body and made available to the public.

Please provide the enclosed report to the City Council through the City Manager's Report.

Activity 510 Floodplain Management Plan, Annual Progress Report – 2021
City of Marco Island, Florida 34145
NFIP Community: 120426

I. Background

- a. April 6, 2020, the City of Marco Island City Council approved and adopted by resolution #20-10 a revision to the Collier County multi-jurisdictional Local Mitigation Strategy (LMS); required to be adopted every 5-years. In doing so, the City of Marco Island receives the following direct benefits: of the LMS.
 - i. Eligible for the following mitigation grant programs administered through the:
 - 1. Federal Emergency Management Agency
 - 2. Hazard Mitigation Grant Program (HMGP)
 - 3. Building Resilient Infrastructure and Communities (BRIC)
 - 4. Severe Repetitive Loss (SRL)
 - 5. Flood Mitigation Assistance (FMA)
 - ii. In order to maintain CRS credit for activity 510 Floodplain Management Plan, the City must prepare an annual progress report on the various activities the community is performing. This report shall serve as the City of Marco Island 2021 annual progress report.

II. Annual Report Preparation, Distribution & Availability – Prepared by Kelli DeFedericis, City of Marco Island's Floodplain Coordinator

- a. Distributed too:
 - i. City of Marco Island Council
 - ii. City of Marco Island website
 - iii. CRS specialist coordinator's office

III. Local Mitigation Strategy Working Group (LMS)

- a. Collier County's Local Mitigation Strategy Working Group (LMSWG) is a component of Collier County's Citizen Corps. The LMSWG meetings are opened to the public for either full-time membership or casual participation.
 - i. The purpose of the group is to examine the hazards that confront people and property of Collier County and explore means to reduce the vulnerability to each hazard. Essentially, the group prioritizes a project "wish-list" that achieves the goals contained within the county's Local Mitigation Strategy (formerly the CC Hazard Mitigation Plan). Then, when monies become available, typically through a federal grant opportunity resulting from a disaster, the LMSWG submits a prioritized listing that goes with each grant application attesting to the fact that the project supports the community's hazard mitigation priorities.
 - ii. State approval May 7, 2020
 - iii. Marco Island resolution 20-10
- b. Federally declared disaster(s)
 - i. Hurricane Wilma 2005 – Disaster number 1609
 - ii. Tropical Storm Debby 2012 – Disaster number 4068
 - iii. Florida Severe Storms and Flooding 2013 – Disaster 4138
 - iv. Florida Severe Storms, Tornadoes, straight – line Winds and Flooding 2014 – Disaster 4177
 - v. Florida Hurricane Matthew 2016 – Disaster 4283
 - vi. Hurricane IRMA 2016 – Disaster 4337
 - vii. Hurricane Michael 2018 – Disaster 4399
- c. Marco Island State and Federally Funded projects

State and federally funded projects

disaster #	State Project #	Approved by City Resolution	FEMA Project #	Project Name	Project Total	Federal Share	City Share	Approval Status
4337	228	19-40	112-R	Source Water Facility Generator	\$2,000,000.00	\$1,500,000.00	\$500,000.00	
<i>Project design determined construction costs grossly exceeded the approved grant funding. An Alternative Project has been developed and is under review by the State Mitigation Office. Alternative project costs are significantly less than the approved grant funding. Staff has submitted a request to reallocate remaining funds to project 4337-144-R.</i>								
4337	644	19-41	144-R	MBR Building, Wind Retrofit	\$1,476,000.00	\$1,107,000.00	\$369,000.00	
<i>Project Design is completed. Construction costs exceeded grant funding. A budget amendment has been submitted utilizing reallocated funds from project 4337-112-R to assist in funding the increased construction cost.</i>								
5178	12	19-44	2-R	Fire Station 51 - Wind Retrofit	\$14,950.00	\$11,212.50	\$3,737.50	
Project completed								
4337	284	19-40	245-R	Lift Station Generators	\$3,320,000.00	\$2,490,000.00	\$830,000.00	
<i>Contract and purchase order executed; units currently being manufactured. Deliveries expected over the next 180 days.</i>								
4337	645	19-48	266-R	Fire Station 50 - Code + Construction Phase I	\$10,000.00	\$7,500.00	\$2,500.00	
<i>project completed</i>								
4337	232	18-28	380-R	City Hall Wind /Flood Retrofit (v2)	\$1,409,300.00	\$1,056,975.00	\$352,325.00	
<i>Grant contract executed. Staff developing A&E Design RFQ.</i>								
4337	231	18-28	389-R	San Marco & Heathwood Drainage	\$1,136,000.00	\$852,000.00	\$284,000.00	

<i>Grant contract executed. Construction Contractor selected & contract executed. Construction scheduled to begin within 90 days.</i>								
4337	645	19-48	266-R	Fire Station 50 - Code + Construction Phase II	\$1,702,135.00	\$1,276,601.25	\$425,533.75	
<i>Phase I submittal documents under FEMA review</i>								
4399		18-28		City / County Water System Interconnect	\$200,000.00	\$150,000.00	\$50,000.00	
<i>State Mitigation Office currently conducting environmental and engineering review of the project.</i>								
				Total	\$11,268,385.00	\$8,451,288.75	\$2,817,096.25	
				Approved to Date	\$8,230,250.00	\$6,172,687.50	\$2,057,562.50	

IV. Drainage System and Storm Water Maintenance

a. Capital Improvement Projects

- i. Fruit Farm Creet Mangrove Restoration, a project to improve the habitat, ecology, and water quality in Rookery Bay National Estuarine Research. Installing culvers below San Marco Road by providing ecological and hydrological enhancement.
 1. Contract 20057 between Florida Fish and Wildlife Conservation Commission (FWC), state of Florida Department of Environmental Protection (DEP) and City of Marco Island as a political subdivision of the state of Florida.
 2. Cost
 - a. \$2,300,000.00
 3. Funding
 - a. Federal Award – NA19NMF0220003 to FWC for Hurricane IRMA Fishery Disaster Funding
 - b. FWC received a grant from National Oceanic and Atmospheric Administration (NOAA) allowing FWC to contract with Marco Island.
- ii. Stormwater inlet improvements on the corner of San Marco and Heathwood
 1. Hazard Mitigation Grant Program (HMPG)
 - a. Disaster 4337 / state project 231 / Marco Resolution 18-28 / FEMA project 389-R
 - i. Grant contract executed
 - ii. Construction Contractor selected & contract executed
 - iii. Construction scheduled to begin early 2021.
 - b. Remove and replace dilapidated piping

- c. Add Outfalls
 - d. Add drainage connections
 - iii. Yellowbird Drainage
 - 1. Drainage upsizing
 - 2. Relocate drainage due to road widening
 - 3. Add outfalls
 - 4. Add drainage connects
 - b. Enforce the “No Storm Drain Dumping Regulations”
 - i. Plaques have been added to all main drainage ditches – “no dumping drains to waterway.”
 - c. Implement water quality control and storm water regulations
 - i. Municipal Separate Storm Sewer Systems (MS4)
 - ii. Adoption of local Ordinance 20-04 – Stormwater Management

V. Public Emergency Services

- a. StormReady Community
 - i. Renewed 2020
- b. Complete a multi-jurisdictional flood/hurricane exercise
- c. Marco Island Critical Facilities
 - i. Contacts – upon request
 - ii. Marco Island Fire Department ISO rating class 3

VI. Flood Insurance Rate Maps (FIRMs)

- a. Current FIRM 05-16-2012
 - i. Letter of Map Change
 - 1. 28 Letter of Map Revisions (LOMR)
 - 2. 11 Letter of Map Amendments (LOMA)
- b. Preliminary FIRM Issued 12/31/219
 - i. City of Marco Island submitted an appeal to FEMA 06/07/2021

VII. Floodplain ordinance

- a. Higher regulatory standards adopted 10/5/2020
 - i. Non-conversion agreement
 - ii. Accessory structure limits
 - iii. Reflects the state model ordinance

VIII. Flood Insurance

- a. 5674 Active policies
 - i. Total structure count 8,862
 - ii. Total structure count in SFHA 8,437
- b. Reploss structure count (structures which have had two policies paid out of a \$1,000 or more in a 10-yr span)
 - i. One high rise condo
 - ii. One commercial structure