

CITY OF CORAL GABLES

OFFICE OF THE CITY MANAGER

-MEMORANDUM-

TO: HONORABLE MAYOR AND MEMBERS OF THE CITY COMMISSION **DATE:** JANUARY 28, 2021

FROM: PETER J. IGLESIAS, P.E.
CITY MANAGER **SUBJECT:** MIAMI-DADE COUNTY LOCAL
MITIGATION STRATEGY - PROGRESS
REPORT

The purpose of this memo is to provide a progress report outlining the City's participation in the Local Mitigation Strategy (LMS) Working Group. Each year municipalities participating in the LMS identify projects in their jurisdiction that would make their community more resilient to the local natural hazards. Many of the projects proposed by the City of Coral Gables deal with increasing the City's ability to handle storm water runoff, maintaining water quality and decrease the City's vulnerability to wind and flooding. As a participant in the Community Rating System (CRS) of the National Flood Insurance Program (NFIP), which is administered by the Insurance Services Office Inc.(ISO) and the Federal Emergency Management Agency (FEMA), the City of Coral Gables presently has a class-rating of 5, which is a reflection of the City's commitment to protecting its residents and businesses from flooding and/or storm surge through the application of practical regulations and innovative technology that is sustainable and cost-effective. This new class rating has provided our residents with significant savings in their flood policy. For example, those residents living in the Special Flood Hazard Area (SFHA) will receive 25% discount in their respective flood policy, while those residents residing a non-SFHA (Zone X) receives up to 10% discount. To maintain this rating, the City of Coral Gables implements activities to promote floodplain management. One requirement is to annually generate a report on the progress of the projects included in the LMS. To receive credit for this report, it must be distributed to the Mayor, City Commissioners, and City Manager, the media, and made available to the public at City Hall with a notice of its availability on the City's website www.coralgables.com.

BACKGROUND

In the spring of 1998, the State of Florida Department of Community Affairs contracted with and provided funding to each of the counties within the State to develop a Local Mitigation Strategy (LMS). Miami-Dade County is a highly diverse community, we all have a profound appreciation for hazard mitigation and a willingness to make the "Strategy" work. Consequently, all of the municipalities in Miami-Dade County, including the City of Coral Gables, participated in the Local Mitigation Strategy (LMS) and the "LMS Working Group".

During the development of the LMS, each municipality designated a representative to the LMS Working Group. Additionally, each of the major departments within the county government assigned a representative to the Working Group to address the issues of the unincorporated portions of the County and of the County-owned and operated facilities that lie within the boundaries of the municipalities.

On August 25, 1998, the City of Coral Gables' City Commission, by Resolution 29575, authorized the City of Coral Gables to become part of this inter-local agreement and become part of the LMS Working Group and adopted the Miami-Dade County Local Mitigation Strategy as part of their floodplain management effort. The complete LMS was approved on January 23, 2018, (5-Year expiration of the plan is January 23, 2023), which is updated semi- annually on June 30th and December 31st for each year, is available to the public at the Miami- Dade Office of Emergency Management website at <http://www.miamidade.gov/fire/mitigation.asp>

LOCAL MITIGATION STRATEGY PROJECT STATUS REPORT MATRIX

Implementation Status: In the Mitigation Strategy Project Table below and the Status column, you will see projects which are which have either been deleted because the project is complete or no longer viable and project which are being carried forward in the plan because they have not yet received funding.

Why are Projects/Objectives not Reached: The project implementation schedule is set by the Local Mitigation Strategy Work Group through a prioritization process. Only certain projects in any given year may be eligible for funding. Based on this LMS Working Group Process, implementation is not behind schedule.

New Project Recommendation: Based on the LMS Working Group Meeting two times per year, there is an opportunity at those time to initiate new mitigation strategies. The Local Mitigation Strategy Projects Table below reflects those new projects.

LOCAL MITIGATION STRATEGY PROJECTS – 2021 SUMMARY

Project Title	Project Description	Hazard	Cost	Status
1. Historical City Hall Hurricane Shutters	Install permanent hurricane window screens to minimize future losses from high wind. Project includes shutters, windows and conservator.	Wind	\$500,000.00	Future Unfunded Project
2. Acquisition of City Hall Emergency Generator	Acquisition of a power generator to provide emergency power to the City Hall to ensure the accessibility of computerized records in the event of storms, hurricanes and natural disasters.	Multiple	\$200,000.00	Future Unfunded Project
3. Acquisition of Coral Gables Public Works, Public Service and Automotive Department Facility Emergency Generator	Acquisition of a power generator to provide emergency power to the Public Works facility which houses the utility telemetry and communications systems and is critical to pre and post man-made or natural disaster emergency operations. Structure hardening windows and shutters.	Multiple	\$530,000.00	Project Completed (City Funds)

4. Acquisition of City Pump Station G Emergency Generator	Acquisition and installation of a power generator to provide emergency power to City Sanitary Sewer Pump Station G to prevent sewage overflows, that would create health hazards, in the event of storms, hurricanes and natural disasters.	Multiple	\$100,000.00	Future Unfunded Project
5. Elevating Sanitary Sewer Lift Stations Generator at Station F	Elevate existing sanitary sewer lift station generator in flood prone area to comply with requirements of MDC DERM and to ensure the operation of the sanitary sewer lift station in the event of inland flooding from storm surge and wind driven rain.	Sea Level Rise	\$100,000.00	Project In-Planning Phase
6. Metal Freestanding Traffic Safety Signs & Trailer	Major storms result in power outages and obstructing debris on the roadways. Portable traffic safety signs will provide the safety needed for traffic control. An open trailer to house and transport the portable signs is needed to transport the portable traffic safety signs.	Multiple	\$30,000.00	Future Unfunded Project
7. Storm Water Outfalls	Rehabilitation of positive outfalls by cleaning and lining the system to prevent future blockage caused by build-up of bi-valve organisms critical to prevent flooding and health hazards	Flood/Storm Surge	\$500,000.00	Project In-Planning Phase

8. Pump Station Cocoplum 1 Emergency Generator	Update of the sanitary sewer pump station including installation of emergency generator required by County regulations	Flood/Storm Surge, Health, Power Failure, Sea Level Rise	\$100,000.00	Construction/ Project Begun
9. Acquire Sewer By- Pass Pump	By-pass pump is needed to remove flood waters during and after major storms and sewer surcharges.	Other	\$100,000.00	Future Unfunded Project
10. Fire Station #3 Hurricane Generator	Acquisition of a power generator to provide emergency power to the Fire Station #3 in the event of storms, hurricanes and natural disasters.	Power Failure	\$150,000.00	Future Unfunded Project
11. Miracle Theater Hurricane Mitigation – Impact Windows	Install permanent impact glass windows to minimize future losses from high wind. Structure hardening and windows.	Wind	\$168,000.00	Future Unfunded Project
12. Granada Pro Shop Hurricane Mitigation – Impact Window	Install permanent impact glass windows to minimize future losses from high wind. Structure hardening and windows.	Wind	\$150,000.00	Future Unfunded Project

13. Coral Gables Country Club Hurricane Shutters or windows, hardening	Install permanent hurricane window screens to minimize future losses from high wind. Structure hardening and windows.	Wind	125,000.00	Future Unfunded Project
14. Venetian Pool Hurricane shutters and hardening	Install permanent impact windows to minimize future losses from high wind. Structure hardening and windows.	Wind	100,000.00	Future Unfunded Project
15. Youth Center Hurricane Mitigation – Impact Windows	Install permanent impact window to minimize future losses from high wind. Structure hardening and windows.	Wind	447,000.00	Future Unfunded Project
16. Salvadore Tennis Center Hurricane Mitigation- Impact Windows	Install permanent impact windows to minimize future losses from high wind. Structure hardening and windows.	Wind	\$25,000.00	Future Unfunded Project
17. Citywide Stormwater Master Plan	Planning level study that identifies roadways in need of drainage improvements and also analyzes the impact of potential sea level rise to the existing drainage infrastructure. The study will develop a prioritized multi-year capital improvement plan.	Flood, Flood/Storm Surge, Sea Level Rise	\$750,000.00	Future Unfunded Project
18. Citywide Drainage Improvement	Drainage improvements along roadways which have been identified to have repetitive flooding.	Flood, Flood/Storm Surge, Sea Level Rise	\$500,000.00	Future Unfunded Project

19. King's Bay Septic to Sewer Conversion	Conversion of septic tanks to sewer system in costa area to mitigate the impacts from sea-level rise and nutrient loading from compromised septic tank systems.	Health, Sea Level Rise, Storm Surge	\$4,500,000.00	Future Unfunded Project
20. City#2 Gravity Sewer Capacity Improvement Project	The project includes upsizing 872 feet of 17.1" pipe to 21" pipe and 293 feet of 21" pipe to 24" pipe along Alcazar Avenue between Ponce de Leon Boulevard and Galiano Street. The project also includes the upsizing of 970 feet of 14.2" pipe to 18" pipe along Galiano Street between Alhambra Plaza and Majorca Avenue.	Flood Storm Surge	\$1,200,000.00	Funding Secured

ADDITIONAL FLOODPLAIN MANAGEMENT ACTIVITIES

In addition to the above mitigation projects, the City of Coral Gables implements the following activities to maintain its CRS rating:

1. Maintains floodplain and emergency management brochures at the Building Division waiting area of City Hall.
2. Maintains the community outreach requirements by mailing the Flood Management Brochure to the most vulnerable households in Coral Gables.
3. Maintains Elevation certificates on all new and substantially improved buildings in Special Flood Hazard Area (SFHA).
4. Maintains copies of Flood Insurance Rate Maps and ensures that they are up to date.
5. Provides Flood Insurance Rate Map information to inquirers and online.
6. Ensures that the public library maintains flood protection materials.
7. Continues to enforce all building, zoning, municipal and County code ordinances that deal with floodplain management.
8. Continues to implement our drainage system maintenance program.
9. Continues to implement stormwater improvements at locations where localized flooding issues or concern are communicated to the Public Works Department.
10. Continues to inspect and maintains records of the City's storm water drainage system inspections.
11. Implemented pilot programs to evaluate innovative systems that filters and purify stormwater runoff prior to discharging into the city's waterways from outflows.
12. Enforces the ordinances pertaining to dumping in our canals and storm water drainage systems.
13. Continues our outreach program explaining the dumping regulations to the public.

RECOMMENDATIONS

1. The City of Coral Gables should continue its participation in the Community Rating System of the NFIP and implement the programs necessary to maintain our present status.
2. The City should continue to work with industry experts to develop and implement innovative programs and technology to filter and purify stormwater prior to discharging into the city's waterway from outflow, protect the water quality of the bay and its ecosystem.
3. The City of Coral Gables should continue its participation in the Miami-Dade Local Mitigation Strategy (LMS).

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