

# MIAMI BEACH

## COMMITTEE MEMORANDUM

TO: Finance and Economic Resiliency Committee Members

FROM: Alina T. Hudak, City Manager

DATE: April 21, 2023

SUBJECT: **UPDATE ON STORMWATER MASTER PLAN**

**HISTORY:**

The City of Miami Beach, a highly urbanized coastal community in southeast Florida and a major economic resource to the region, continues to be a leader in adapting to the impacts of climate change. The solutions to adapt present major challenges due to the relatively low-lying topography surrounded by intracoastal waterways with significant tidal influence, a subtropical climate with high intensity rainfalls, limited surface or soil storage for infiltration, and high amounts of impervious areas. Despite of all these challenges, investments in community-wide adaptation strategies—such as implementation of Neighborhood Improvement Projects (NIPs) which include the elevating roads and seawalls, providing robust drainage systems and replacing aged water and sewer infrastructure—are essential to protect property and communities from extreme high tides, gradual sea level rise and intense rainfalls.

While the City recently approved major resilience adaptation strategies and the prioritization of NIPs citywide, the implementation of these NIPs will require a major financial commitment and will take multiple years to complete.

At its June 22, 2022 meeting, the City Commission approved item number C4B, a referral to the Finance and Economic Resiliency Committee to discuss the motion passed by the AD HOC Neighborhood Resilience Projects Advisory Committee.

At its October 31, 2022 meeting, the Finance and Economic Resiliency Committee members were provided a verbal report from Public Works, including an update on the City’s Stormwater Master Plan, which is scheduled to be completed by October 2023. A motion was made to continue the item on March 2023 and have staff provide an update on the City’s Stormwater Master Plan progress.

**CONCLUSION:**

City staff alongside the engineering consultant will present an update to the Stormwater Modeling and Master Plan. The presentation slides are enclosed for reference. The Administration recommends continuing to execute the ongoing efforts of the Stormwater Master Plan. These ongoing tasks will ultimately provide the requested timeline and budgetary estimates to accompany the prioritization of NIPs and stormwater projects to address critical needs for the next 10 years and beyond. The findings and recommendations from these studies, which are scheduled to be completed by October 2023, will be presented to the pertinent Committees upon completion, for consideration and ultimately for adoption and implementation.

In parallel, the Administration continues to work on the execution of previously approved NIPs, including the following:

- Indian Creek Drive (roadway and drainage completed; seawall construction underway, near complete)
- West Avenue Phase II (design/build, construction is expected to start in May 2023)
- First Street (detailed design phase ongoing, progressing from 30% to 60% design)
- North Shore D – North Beach Town Center (\$10M grant agreement for design was executed, currently in design procurement).

**Applicable Area**

Citywide

**Is this a "Residents Right to Know" item, pursuant to City Code Section 2-14?**

Yes

**Does this item utilize G.O. Bond Funds?**

No

**ATTACHMENTS:**

<b>Description</b>	<b>Type</b>
<input type="checkbox"/> Commission referral to FERC	Other
<input type="checkbox"/> CMB_Presentation_20230421_Final_V3 4.17.2023 1	Memo