

EXECUTIVE BRIEF UTILITY MEETING

AGENDA DATE: August 30, 2022

DEPARTMENT: Water Utility

TITLE:

Resolution No. 72-2022 Resilient Florida Grant application for the City's Intracoastal Infrastructure Vulnerability Assessment Project

SUMMARY:

The resolution approves and authorizes the submission of an application to the Florida Department of Environmental Protection for \$100,000 in funding assistance under the Resilient Florida Grant Program. These funds will be used to conduct a stormwater outfall, seawall and wastewater system vulnerability assessment of the City's current infrastructure.

BACKGROUND AND JUSTIFICATION:

Resolution No. 72- 2022 approves and authorizes the submission of an application for \$100,000 in grant funding under the Resilient Florida Grant Program planning projects to conduct a stormwater outfall, seawall and wastewater system vulnerability assessment of the City's current infrastructure and its ability to withstand flooding and sea level rise.

In 2021, with the assistance of the FDEP Resilient Florida Program, the Southeast Palm Beach County Coastal Resilience Partnership published a Multi-Jurisdictional Climate Change Vulnerability Assessment report, creating a regional overview which included the City of Lake Worth Beach. Per this report, approximately 75% of the City faces access trouble due to current rainfall-induced flood levels and is also vulnerable to increased tidal flooding.

The Intracoastal Infrastructure Vulnerability Assessment will provide a detailed study of the City's most vulnerable areas along the West Palm Beach Canal and Lake Worth Lagoon. Many critical assets are located within this project area, including the Lake Worth Beach Sanitation Department, College Park Historic District, Bryant Park and Pier, Snook Islands Natural Area, Lake Avenue Bridge (an evacuation route), and many churches, schools, parks, cemeteries, and community and art centers

The assessment will be consistent with the community resilience planning efforts contained in the Resilient Florida guidelines and it will provide an assessment of the City's stormwater outfalls, seawalls and wastewater systems. The primary component of the plan will provide an assessment of the City's ability to cope with tidal flooding vulnerability as NOAA 2070 data has projected a 33-inch sea level rise from 2020 stages. These data for NOAA Intermediate Low and Intermediate High curves for 2040 and 2070 will be gathered and mapped for the project area, and will include the tidal, rainfall-induced and both current and future storm surge flooding depths. This vulnerability assessment report will be shared with the State for use in the state-wide database.

The City will be requesting \$100,000 in grant funding.

MOTION:

Move to approve/disapprove Resolution No. 72-2022 authorizing the submission of an application to the Florida Department of Environmental Protection for \$100,000 in funding assistance under the Resilient Florida Grant Program for the Intracoastal Infrastructure Vulnerability Assessment Project.

ATTACHMENT(S):

Fiscal Impact Analysis – Not Applicable
Resolution 72-2022
Application