

RESOLUTION NO. \_\_\_\_\_

**A RESOLUTION OF THE MAYOR AND CITY COMMISSION OF THE CITY OF MIAMI BEACH, FLORIDA, APPROVING, PURSUANT TO SECTION 2-367(D) OF THE MIAMI BEACH CODE, THE SOLE-SOURCE PURCHASE OF FOUR (4) PORTABLE 2.55 M HDPE DOWNSTREAM DEFENDER SYSTEMS AND RELATED ITEMS OR SOFTWARE BY HYDRO INTERNATIONAL FOR PURPOSES OF STORMWATER TREATMENT DURING KING TIDE EVENTS IN KEY LOCATIONS IN THE CITY IN AN AMOUNT NOT TO EXCEED \$230,560.**

**WHEREAS**, during the rainy and king tide season, the Public Works Department deploys temporary diesel pumps to reduce flooding in areas throughout the City; and

**WHEREAS**, the City has Miami-Dade County Department of Environmental Resource Management (DERM) Class V Temporary Dewatering Permits for this type of operation; and

**WHEREAS**, in recent discussions with the regulatory agency, the implementation of additional water quality treatment systems has been requested when the temporary pumps are set up to discharge directly into the Biscayne Bay; and

**WHEREAS**, Public Works determined that the purchase of four portable 2.55 M HDPE Downstream Defenders by Hydro International is required to meet the additional water treatment requirements; and

**WHEREAS**, the stormwater must be treated prior to discharge, using a stormwater treatment system capable of reducing the total suspended solids and turbidity; and

**WHEREAS**, due to the significant site constraints associated with typical locations where the temporary pumps are deployed, the portable water quality treatment system must maintain a high rate of contaminant removal while occupying a significantly limited footprint; and

**WHEREAS**, the portable Downstream Defender System is a well-tested product, by an established manufacturer; and

**WHEREAS**, this product is patented, does not require power or water and meets the required enhanced treatment performance, flow capacity, materials of construction, vac truck accessibility, flexibility, mobility, footprint and schedule; and

**WHEREAS**, the Portable 2.55 M HDPE Downstream Defender System by Hydro International meets all of these constraints without exception, and has an estimated cost of \$230,560 for four (4) devices and related items or software, including a 10% contingency; and

**WHEREAS**, Pursuant to Section 2- 367(d)(2), the Procurement Department publicly released Intent to Sole Source No. 2023-399-NA on March 29, 2023 (the "ITS"); and

**WHEREAS**, the ITS provided details to potential bidders on the City's needs and requested that any vendor that believed it could provide the City with the necessary items submit written notification to the City for consideration; and

**WHEREAS**, no response to the ITS was received; and

**WHEREAS**, as there was no response to the ITS, the Public Works Department requests approval for the sole-source purchase of four (4) portable 2.55 M HDPE Downstream Defender Systems by Hydro International and other Hydro International items or software as may be required for purposes of stormwater treatment during king tide events in key locations in the City.

**NOW, THEREFORE, BE IT DULY RESOLVED BY THE MAYOR AND CITY COMMISSION OF THE CITY OF MIAMI BEACH, FLORIDA** that the Mayor and City Commission hereby approves, pursuant to Section 2-367(d) of the Miami Beach Code, , the sole-source purchase of four (4) portable 2.55 M HDPE Downstream Defender Systems and related items or software by Hydro International for purposes of stormwater treatment during king tide events in key locations in the City in an amount not to exceed \$230,560.

**PASSED and ADOPTED THIS** \_\_\_\_ day of \_\_\_\_\_, 2023.

ATTEST:

\_\_\_\_\_  
CITY CLERK

\_\_\_\_\_  
MAYOR

APPROVED AS TO  
FORM & LANGUAGE  
& FOR EXECUTION

  
\_\_\_\_\_  
City Attorney

4-24-23  
\_\_\_\_\_  
Date