

STAFF REPORT UTILITY MEETING

AGENDA DATE: August 29, 2023

DEPARTMENT: Water Utilities

TITLE:

Work Order No. 08 with Globaltech, Inc. for Reverse Osmosis Water Treatment Plant Membrane Replacement Project

SUMMARY:

Work Order No. 08 with Globaltech, Inc. for Reverse Osmosis Water Treatment Plant Membrane Replacement Project for a total cost of \$634,691.00.

BACKGROUND AND JUSTIFICATION:

The City's Reverse Osmosis Water Treatment Plant was constructed in 2011. The reverse osmosis membranes that are an integral part of the treatment process have reached the end of their useful life and are no longer producing water as efficiently and making the plant run under higher pressure which in turn is causing higher power usage and electric bills. The typical life of a membrane element is about 10 years, while these are now 12 years old. There are three trains of two hundred and fifty two membranes each. The City proposes to replace two trains now and the third train in the next year or two. The Work Order with Globaltech, Inc. is to remove and replace one train of membranes for \$634,691.00. The work includes removal and disposal of the existing membranes, cleaning of the existing train, installation of the new membranes and appurtenances, Palm Beach County Health Department coordination, and disinfection and getting the train back into operation.

MOTION:

Move to approve/disapprove Work Order No. 08 with Globaltech for Reverse Osmosis Water Treatment Plant Membrane Replacement Project for a total cost of \$634,691.00.

ATTACHMENT(S):

Fiscal Impact Analysis
Work Order No. 08

FISCAL IMPACT ANALYSIS

Five Year Summary of Fiscal Impact:

Fiscal Years	2023	2024	2025	2026	2027
Inflows					
Current Appropriation	0	0	0	0	0
Program Income	0	0	0	0	0
Grants	0	0	0	0	0
In Kind	0	0	0	0	0
Outflows					
Operating	0	0	0	0	0
Capital	634,691.00	0	0	0	0
Net Fiscal Impact	(634,691.00)	0	0	0	0
No. of Addn'l Full-Time Employee Positions					
	0	0	0	0	0

New Appropriation Fiscal Impact:		
	Revenue Source	Expenditure
Department		
Division		
GL Description		
GL Account Number		
Project Number		
Requested Funds		

Budget Transfer Impact		
	Revenue Source	Expenditure
Department		
Division		
GL Description		
GL Account Number		
Project Number		
Requested Funds		

Contract Award - Existing Appropriation		
	Expenditure	
Department	Water Treatment	
Division	Treatment	
GL Description	Improve other than Build	
GL Account Number	422-7022-533.63-00 (WT2206), 422-7034-533.63-60 (for NR2001,2002)	
Project Number	WT2206, NR2001, NR2002	
Requested Funds	\$307,079.00, \$243,303.81, \$84,308.19	