

City of Palm Coast, Florida

Agenda Item

Agenda Date: July 16, 2024

Department	WATER AND WASTEWATER UTILITY	Amount	\$236,250.00
Division	UTILITY	Account #	54029087 063000 84010
Subject: RESOLUTION 2024-XX APPROVING A MASTER SERVICES AGREEMENT WITH PBM CONSTRUCTORS FOR AERATION SYSTEM INSTALLATION			
Presenter: Peter Roussell, Utility Deputy Director			
Attachments: 1. Resolution 2. Draft Contract 3. Notice of Intend to Award 4. Project Overview			
Background: Council Priority: D. Sustainable Environment and Infrastructure Water Treatment Plant 2 (WTP2) is a 7.584 MGD Nano-filtration facility that utilizes a Zero Liquid Discharge (ZLD) process to convert the concentrate to potable water using lime softening, stabilization, ultra-filtration, and disinfection. The processes of recovering concentrate as potable water started back in 2015 because of a regulation change. Since then, WTP2 staff has worked with multiple engineering firms evaluating methods of process optimization in efforts to enhance water quality and reduce chemical consumption. Staff conducted multiple pilot studies and determined that post aeration (a physical process of removing volatiles) outperformed the chemical method of removing organic precursors. The selected bid for aeration equipment was approved in February 2023. The Purchase Order was issued in August 2023 and the equipment ordered. After extended lead times, the equipment was delivered in May 2024. A bid went out and PBM Construction was selected for plumbing and electrical hookup that is now needed to incorporate this treatment method into the process. In accordance with the City's Purchasing Policy, City staff advertised and solicited bids for aeration system installation under ITB-UT-24-55. The Notice of Intent to Award and Project Overview are attached. Staff recommends City Council approves a Master Services Agreement with PBM Constructors for aeration system installation. Funds for this project have been budgeted for out of FY 2024 Utility Capital Projects WTP2 Aeration Equipment, including a 5% contingency of \$11,250.00 for a total of \$236,250.00.			

SOURCE OF FUNDS WORKSHEET FY 2024

Utility Capital - WTP2 Projects 54029087 063000 84010	\$1,134,604.00
Total Expended/Encumbered to Date	\$898,354.00
Pending Work Orders/Contracts	\$0.00
Current (WO/Contract)	<u>\$236,250.00</u>
Balance	\$0.00

Recommended Action:

**ADOPT RESOLUTION 2024-XX APPROVING A MASTER SERVICES AGREEMENT WITH
PBM CONSTRUCTORS FOR AERATION SYSTEM INSTALLATION**