



AGENDA MEMORANDUM

Action Item for the City Council Meeting January 10, 2023

DATE: December 20, 2022

TO: Peter Zaroni, City Manager

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<p style="text-align: center;"><u>Professional Services Contract</u> ONSWTP Navigation Pump Station Improvements</p>

CAPTION:

Motion authorizing a professional services contract with CP&Y Inc., San Antonio, Texas, to provide a Preliminary Engineering Report for the O.N. Stevens Water Treatment Plant (ONSWTP) Navigation Pump Station Improvements in an amount not to exceed \$280,213.00, with FY 2023 funding available from Water Capital Fund.

SUMMARY:

This motion authorizes approval of a professional services contract to provide a Preliminary Engineering Report for the ONSWTP Navigation Pump Station Improvements Project.

BACKGROUND AND FINDINGS:

The City of Corpus Christi owns the Navigation Pump Station (PS), located at 152 North Navigation Blvd, Corpus Christi, Texas, which consists of 2 - 10 MG tanks. Under the current distribution system set up, the pump station does not contribute to maintenance of system pressure and was taken out of service in 2018.

This project proposes improvements to Navigation Pump Station and surrounding distribution piping to help the city improve water delivery and water quality in the distribution system. An Engineering Letter Report needs to be prepared for these improvements. The major anticipated improvements for this project include upgrades to existing three pumps, one new pump and four new variable frequency drives (VFDs), and potential transmission main upgrades.

The Preliminary Engineering Report will also provide recommendations and 30% design drawings on the following topics:

- Hydraulic studies to determine new hydraulic grade line for the station.
- Re-routing of supply and discharge line to improve water quality.
- Replacement of pressure/flow control valves.
- Replacement of existing pumps.
- Replacement of tank isolation actuators.
- Evaluate need for on-site back-up power and freeze protection.
- Hydraulic Model Update and Calibration.

PROJECT TIMELINE:

2022-2024	2024	2024-2025
December - March	April - June	July - October
Design	Bid/Award	Construction

Projected schedule reflects City Council award of design services in January 2023 with anticipated construction completion by October 2025.

COMPETITIVE SOLICITATION PROCESS:

CP&Y Inc. was selected for FY 2022 Professional Services for Capital Improvement Projects, under Request for Qualifications (RFQ) 3977. ONSWTP Navigation Pump Station Improvements was one of nine selections that were announced under the Utility Projects Category of the RFQ.

CP&Y Inc. has been working on the ONSWTP which led to them being selected for this portion of the design. The selection committee was comprised with representatives from the Utilities Department and Engineering Services.

The final evaluation ranked CP & Y, Inc. the highest and recommended the firm as most qualified based on five factors:

- 1) Experience of the firm
- 2) Experience of the key personnel with specific experience in major water supply dams and water treatment plants as well as water and wastewater treatment
- 3) Project approach and management plan
- 4) Capacity to meet the project requirements and timelines
- 5) Past performance

CP & Y, Inc. are leaders in the water/wastewater industry, they have provided services for over 300 water- and wastewater-related projects. Some of the previous projects that were completed by CP & Y, Inc. are the Holly and Rand Morgan Elevated Storage Tank Design.

ALTERNATIVES:

Council could choose not to award the contract to CP & Y, Inc. Not awarding the contract for professional services to CP & Y, Inc., will delay necessary improvements and may affect the ability to satisfy the safety, operational, and regulatory requirements.

FISCAL IMPACT:

The fiscal impact to FY 2023 is an amount not to exceed \$280,213.00 with funding available

through the Water Capital Fund.

Funding Detail:

Fund: **Water 2020 (Fund 4099)**
Mission Elem: Water Maintenance of Lines (041)
Project: ONSWTP Navigation Pump Station Improvements (Project No. 22405)
Account: Design/Outside Consultants (550950)
Activity: 22405-4099-EXP
Amount: \$280,213.00

RECOMMENDATION:

Staff recommends approval of the professional services contract with CP&Y, Inc., in an amount not to exceed \$280,213.00 for the ONSWTP Navigation Pump Station Improvements project. The design phase will begin in January 2022 with a transmittal of the preliminary engineering report to review by April of 2023.

LIST OF SUPPORTING DOCUMENTS:

Location & Vicinity Maps
Evaluation Matrix
Proposal
CIP Page
Presentation