



AGENDA MEMORANDUM

Action Item for the City Council Meeting of May 6, 2025

DATE: May 06, 2025

TO: Peter Zanoni, City Manager

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<p><u>Construction Contract Award and Professional Services Contract Amendment</u> ONSWTP Filtration System Hydraulic Improvements</p>
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CAPTION:

Motion awarding a construction contract to Reytec Construction Resources, Inc., of Houston, Texas, in an amount up to \$20,991,575.94 and authorizing Amendment No. 3 to the professional services contract with Plummer Associates, Inc., of Corpus Christi, to provide construction phase services in an amount of \$55,767.00 for a total contract value up to \$1,274,626.00 for the Filtration System Hydraulic Improvements at O.N. Stevens Water Treatment Plant (ONSWTP), located in Council District 1, with FY 2025 funding available from the Water CIP Fund.

SUMMARY:

This motion approves a construction contract for the modifications to the ONSWTP filter piping and ancillary items to improve the filter hydraulics. The improvements will improve the overall filter efficiency and provide humidity control and turbidity monitoring to the filter galleries. In addition to the construction contract, a professional services contract amendment No. 3 would be authorized to provide construction phase services in support of this project.

BACKGROUND AND FINDINGS:

The City of Corpus Christi owns and operates the O.N. Stevens Water Treatment Plant (ONSWTP). The ONSWTP consists of Water Treatment Plant (WTP) 1, built in 1950 with twelve filters and WTP2, built in 1981 with ten filters. The filtration system components and equipment that has reached its end of service life. The project is required component of the established strategic plan for resiliency and capacity.

Below is the project specific scope:

- Remove and replace filter influent and backwash waste gates and actuators.
- Remove and replace filter effluent, filter-to-waste, filter backwash, and air scour valves and actuators.
- Remove and replace filter effluent flow meters.
- Modify filter-to-waste piping to improve hydraulic efficiency
- Remove the existing weirs in junction box vaults.
- Install combined filter effluent sample piping to the existing analyzer structure.
- Installation of a sampling pump and turbidity meter.
- Apply Tnemec Aerolon coating on filter effluent, filter-to-waste, and filter backwash piping in the filter galleries.

Completion of this project is critical to the overall reliability and resiliency strategic plan for the ONSWTP, that has been developed by Corpus Christi Water (CCW). The resiliency strategic plan provides a sequence for O.N. Stevens capital improvement projects that would address capacity constraints, future flows, and replacements/upgrades of outdated equipment. Together these projects when complete will increase the reliable treatment capacity of the O.N. Stevens Water Treatment Plant from 105 MGD to 135 MGD.

This strategic plan for O.N. Stevens includes the projects as shown in the table below.

Project	Status	Estimated Project Completion Date
Pre-sedimentation Dredging	Construction	2028
Raw Water and Chemical Improvement Projects	Construction	2027
Filtration System Hydraulic Improvements	Pending Council Approval	2026
Chlorine System Improvements	Advertised for Bid	2028
Flocculator and Basin Improvements	Design	2027
Solids Handling	Design	2029

This action item also authorizes a professional services contract amendment No. 3 to Plummer Associates to provide construction phase services in support of this project services in an amount of \$55,767.00, for a total contract value not to exceed \$1,274,626.00. The construction phase services are to oversee the construction of the project and provide technical assistance to the contractor.

The initial contract was for \$49,973.00 to prepare the preliminary engineering report, the amendment No. 1 was for the detailed design of the project and the amendment No. 2 was for the \$55,767.00 to make specification changes to refrigerant type, electrical, mechanical and HVAC systems.

PROJECT TIMELINE:

2022 - 2025	2024 - 2025	2025 - 2026
September - January	Sep - May	May - October

Design	Bid/Award	Construction
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Project schedule reflects City Council award in May 2025 with anticipated construction completion by October 2026.

COMPETITIVE SOLICITATION PROCESS:

On September 15, 2024, the Contracts and Procurement Department issued a Request for Bids (RFB #6126) for the Filtration System Hydraulic Improvements at O.N. Stevens Water Treatment Plant (ONSWTP) project.

On February 18, 2025, the City received two bids. The city analyzed the bids according to the contract documents and determined that Reytec Construction Resources, Inc was the lowest responsive and responsible bidder. As the lowest bid received was within the acceptable range of the Engineer's Opinion of Probable Cost, the city decided to proceed with the project. A summary of the bid is provided below.

BID SUMMARY			
Contractor	Base Bid 1	Alternate 1	Base Bid 1 + Alternate 1
Reytec Construction	\$20,464,576.04	\$526,999.90	\$20,991,575.94
Associated Construction Partners, Ltd.	\$20,826,500.00	\$509,250.00	\$21,335,750.00
<i>Engineer's Opinion of Probable Construction Cost</i>	<i>\$15,915,000.00</i>	<i>\$1,363,000.00</i>	<i>\$17,278,000.00</i>

Base bid 1 is to bid the project as designed. The Alternate 1 is to apply Tnemec Aerolon additional coating on filter gallery piping, furnish and install stainless steel bolts, nuts and washer sets for pipe flanges.

Reytec Construction has successfully worked on numerous similar construction projects for the City of Corpus Christi. Listed below are the recent projects that have been completed or under construction:

- Raw Water Influent and Chemical Facilities Improvements at ONSWTP in an amount of \$86,679,500.00 on March 19, 2024. This project is currently under construction.
- Nueces River Raw Water Pump Station Transmission Main in an amount of \$7,421,500.00 on March 28, 2023. This project is currently under construction.
- O.N. Stevens Clearwell No. 3 in an amount of \$3,387,006, subcontractor to CSA. This project is currently under construction.

ALTERNATIVES:

City Council could choose not to award the construction contract to the low bidder, Reytec Construction Resources, Inc. This would delay infrastructure upgrades and hinder the planned operational resiliency upgrades at the ONSWTP.

FISCAL IMPACT:

The fiscal impact for Corpus Christi Water in FY25 is an amount of \$55,767.00 for the professional services contract amendment and \$20,991,575.94 for the construction contract with funding available from the Water Capital Fund. The shortfall in funding was transferred from the Mary Rhodes Pipeline Phase 1 Condition Assessment and Improvements Project (\$2,241,575.94) and Fund 4491 Reserve (\$55,767.00).

FUNDING DETAIL:

Fund: **Water 2024 CIP (Fund 4491)**
Department: Water (45)
Organization: Grants & Capital Projects Funds (89)
Project: ONSWTP Filtration System Hydraulic Improvements
(Project 19032)
Account: Design (550950)
Activity: 19032A4491EXP
Amount: \$55,767.00

Fund: **Water 2024 CIP (Fund 4491)**
Department: Water (45)
Organization: Grants & Capital Projects Funds (89)
Project: ONSWTP Filtration System Hydraulic Improvements (Project 19032)
Account: Construction (550910)
Activity: 19032A4491EXP
Amount: \$20,991,575.94

RECOMMENDATION:

Staff recommends awarding the construction contract to Reytec Construction Resources, Inc. of Houston, Texas for the ONSWTP Filtration System Hydraulic Improvements project in the amount of \$20,991,575.94 for Total Base Bid plus selected Alternate 1, and authorize a professional services contract amendment No. 3 to Plummer Associates, Inc., of Corpus Christi, Texas, to provide construction phase services in an amount of \$55,767.00 for a total contract value not to exceed \$1,274,626.00. The construction duration is planned for 17 months from issuance of the Notice to Proceed to begin construction in May 2025.

LIST OF SUPPORTING DOCUMENTS:

Location and Vicinity Maps
Bid Tabulation
CIP Page
Presentation