



AGENDA MEMORANDUM

Action Item for the City Council Meeting of August 11, 2026

DATE: August 11, 2026

TO: Peter Zaroni, City Manager

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<u>Construction Contract Award and Professional Services Contract Amendment</u> ONSWTP Flocculation Upgrades and Baffling Basin 1 & 2
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CAPTION:

Motion to award a construction contract to Reytec Construction Resources, Inc., of Houston, Texas, in an amount up to \$19,039,000.00 and authorizing Amendment No. 1 to the professional services contract with Hazen and Sawyer, of Corpus Christi, Texas, to provide construction phase services in an amount of \$223,071.18. The total contract value not to exceed \$1,888,693.18 for the O.N. Stevens Water Treatment Plant (ONSWTP) Flocculation Upgrades and Baffling Basin 1 & 2 project. This project is located in Council District 1, with FY 2026 funding available from the Water Capital Fund.

SUMMARY:

This motion awards a construction contract to Reytec Construction Resources, Inc., and authorizes approval of the professional services contract amendment to provide construction-phase services for the ONSWTP Flocculation Upgrades and Baffling Basin 1 & 2 project. The project includes upgrading the existing flocculators and installing secondary baffle walls in basins 1 and 2.

The current equipment struggles to provide adequate mixing at design flows, leading to increased maintenance and operational challenges. The new equipment will ensure proper mixing and prevent flocculant carryover, enabling the water treatment plant to consistently meet state and federal drinking water standards. This project enhances water treatment efficiency by improving operational reliability, chemical mixing, and flow distribution.

BACKGROUND AND PURPOSE:

The City of Corpus Christi owns and operates the O.N. Stevens Water Treatment Plant (ONSWTP), which consists of two treatment trains: Plant 1 and Plant 2. In 1998, walking beam flocculators were installed in the two primary sedimentation basins (Sedimentation Basins 1 and 2). ONSWTP is executing a strategic plan to increase treatment capacity to 200 MGD. The walking beam flocculators cannot provide adequate mixing to form stable floc at increased flows and must be upgraded to support this plan. At increased speeds required for sufficient mixing at elevated flow rates, the walking beam flocculator motors often trip due to excessive load or experience significant vibration that has resulted in damage to the flocculators. The narrow channels in the flocculation area have damaged the walking beam trees, necessitating frequent repairs.

The scope of work includes demolishing the existing walking beam flocculators, installing new vertical turbine mixers with structural upgrades within Plant 1 (Sedimentation Basins 1 and 2), and adding stainless-steel baffle walls in the secondary sedimentation basins to improve flow. The new vertical turbine mixers will provide a detention time greater than 20 minutes, as required by TCEQ, allowing optimal floc formation and subsequent settling. Installing the new mixers requires removing the existing influent baffle wall and concrete distribution channel, increasing capacity to 52.5 MGD for each primary sedimentation basin. The vertical turbine mixers will also keep the flocculation basins in operation during service activities due to optimized equipment layouts, allowing flexible maintenance. Installing baffle walls in the secondary sedimentation basins will promote even flow distribution, supporting uniform pH and chloramine residuals in Plant 1 and improving overall water quality. The scope of work also includes constructing a new Power Control Room (PCR-14) electrical building, modifying sludge piping and valves, and making comprehensive site, structural, electrical, and instrumentation improvements.

The objective of the project is to enhance the treatment system's ability to handle higher flows, maintain sufficient detention time within the flocculation basin, improve turndown capabilities to meet varying process conditions, and reduce maintenance required for consistent system operation. The proposed flocculation basin and secondary baffle wall improvements are designed to account for anticipated demand as plant capacity increases. This project will improve treatment process performance, provide ease of maintenance, and support increased operational reliability. Construction activities are planned to occur in one basin at a time to maximize plant capacity and reliability during construction.

PROJECT TIMELINE:

2023 - 2026	2026	2026 - 2030
July - March	April - August	October - January
Design	Bid/Award	Construction

Project schedule reflects the City Council award in August 2026, with anticipated construction completion by January 2030.

COMPETITIVE SOLICITATION PROCESS:

On April 27, 2026, the Contracts and Procurement Department issued a Request for Bids (RFB #7208) for the O.N. Stevens Water Treatment Plant (ONSWTP) Flocculation Upgrades and Baffling Basin 1 & 2 project.

On June 03, 2026, the City received one bid. The City analyzed the bid in accordance with the contract documents and determined that Reytec Construction Resources, Inc. was the lowest responsive and responsible bidder. Because the lowest bid was within the acceptable range of the Engineer's Opinion of Probable Cost, the City has elected to proceed with the project.

A summary of the bid is provided below:

	Bidder	Base Bid
1	Reytec Construction Resources, Inc. (Corpus Christi, Texas)	\$19,039,000.00
	<i>Engineer's Opinion of Probable Construction Cost (OPCC)</i>	<i>\$16,716,000.00</i>

The variance between the Engineer's OPCC and the bid is primarily due to two factors:

1) Structural Improvements and Metal Materials: \$840,000.00

Since the OPCC was submitted in November 2025, the prices for raw structural materials such as steel and aluminum have increased.

2) Electrical, Instrumentation, and Controls Improvements: \$1,670,000.00

The costs for electrical and I&C equipment have been volatile in recent years, with a rapid increase over the past two years caused by tariffs and rising global demand for specialized electronic equipment.

Hazen and Sawyer advise that Reytec Construction Resources, Inc.'s bid is reasonable for the City. Reytec is actively involved in several projects at ONSWTP. Most of the equipment needed for the Flocculation Upgrades and Baffling Basin 1 & 2 is already on site, reducing mobilization costs. Furthermore, because Reytec's current projects overlap with these upgrades, miscommunications and conflicts are minimized. Therefore, Hazen and Sawyer recommend awarding the contract to Reytec.

Reytec Construction Resources, Inc. has a proven track record with the City of Corpus Christi, having successfully completed similar projects, including:

- **ONSWTP Chlorine Storage and Handling Facility Improvements** at \$100,634,000, awarded November 10, 2025. The project is currently active, with no issues reported.
- **ONSWTP Filtration System Hydraulic Improvements** at \$20,991,575.94, awarded August 11, 2025. This project is ongoing with no issues.
- **ONSWTP Raw Water Influent and Chemical Facilities Improvements** at \$86,679,500,

awarded May 28, 2024. This project is also progressing smoothly.

ALTERNATIVES:

City Council could choose not to award the construction contract to the low bidder, Reytec Construction Resources, Inc. This would delay necessary infrastructure improvements that would continue to exacerbate maintenance and operational issues. Maintaining the existing system may also impact the ability to meet regulatory requirements for clean, safe drinking water.

FISCAL IMPACT:

The fiscal impact in FY 2026 is \$223,071.18 for the professional services contract amendment and \$4,000,000.00 for the construction contract, with funding available from the Water Capital Fund. The remaining funds for construction will be incurred in FY 2027 and FY 2028 in the amount of \$15,039,000.00.

FUNDING DETAIL:

Fund: Water 2025 CIP (RvBds) (Fund 4492)
Department: Water (45)
Organization: Grants & Capital Projects Funds (89)
Project: ONSWTP Flocculation Upgrades and Baffling Basin 1 & 2 (Project 22407)
Account: Design Contract (550950)
Activity: 22407
Amount: \$223,071.18

Fund: Water 2025 CIP (RvBds) (Fund 4492)
Department: Water (45)
Organization: Grants & Capital Projects Funds (89)
Project: ONSWTP Flocculation Upgrades and Baffling Basin 1 & 2 (Project 22407)
Account: Construction Contract (550910)
Activity: 22407
Amount: \$4,000,000.00

Total in FY26: \$4,223,071.18

TO BE CERTIFIED:

FY27

Fund: TBD
Department: Water (45)
Organization: Grants & Capital Projects Funds (89)
Project: ONSWTP Flocculation Upgrades and Baffling Basin 1 & 2 (Project 22407)
Account: Construction Contract (550910)
Activity: 22407
Amount: \$8,000,000.00

FY28

Fund: TBD
Department: Water (45)
Organization: Grants & Capital Projects Funds (89)
Project: ONSWTP Flocculation Upgrades and Baffling Basin 1 & 2 (Project 22407)
Account: Construction Contract (550910)
Activity: 22407
Amount: \$7,039,000.00

RECOMMENDATION:

Staff recommend awarding the construction contract to Reytex Construction Resources, Inc. of Houston, Texas, for the ONSWTP Flocculation Upgrades and Baffling Basin 1 & 2 project in the amount of \$19,039,000.00, and authorizing the professional services contract amendment in the amount of \$223,071.18 for construction-phase services. The construction duration is planned to take 39 months, beginning in October 2026 after the Notice to Proceed is issued.

LIST OF SUPPORTING DOCUMENTS:

Location and Vicinity Map
Bid Tab
CIP Page
Presentation
COF