



City of Boynton Beach Agenda Item Request Form

Meeting Date: 01/21/2025

Proposed Resolution No. R25-027- Awarding Request for Qualifications No. UTL24-031 for East and West Water Plant Upgrades and Treatment Options Evaluation, Planning, and Design for Emerging Contaminants Removal- Engineering Services to Jacobs Engineering Group Inc., and approving an Agreement between the City and Jacobs Engineering Group Inc. in the amount not to exceed \$5,400,000. Proposed Resolution No. R25-028- Approving an amendment to the Utilities CIP Budget to use Utility Reserve funds for \$5,400,000 until the City receives reimbursement from the State Revolving Funded (SRF) Loan for East and West Water Treatment Plant upgrades and treatment Operations Evaluation.

Requested Action: Staff recommends approval of Proposed Resolution No. R25-027 and Resolution No. R25-028.

Explanation of Request: The City received a Florida Department of Environmental Protection State Revolving Fund (FDEP SRF) loan with principal forgiveness for \$5,167,179 for East and West Water Treatment Plant upgrades and treatment options evaluation, planning, and design for emerging contaminant removal. The SRF funding will be reimbursed to the City and the Utility CIP budget needs to be amended to include the funding at this time.

On July 3, 2024, a Request for Qualifications ("RFQ") No. UTL24-031 for East and West Water Treatment Plant Upgrades and Treatment Options Evaluation, Planning and Design for Emerging Contaminants Removal-Engineering Services was advertised to select a qualified engineering firm to assist the East and West Water Treatment Plant upgrades and treatment options evaluation, facilities plan for the State Revolving Fund (SRF) Drinking Water Program, including design, bid document preparation, permitting, bidding assistance, and construction management engineering services during construction projects at both plants.

The selection committee held a final meeting on October 28, 2024, to score and rank the qualified firms. Jacobs Engineering Group Inc. ranked the highest, and the Utilities department completed negotiations with Jacobs Engineering Group Inc. for a contract agreement and the initial scope of work and associated costs. Work will include: Conducting a study, preparing a report, and performing engineering services to evaluate the ability of the existing treatment processes at the East Water Treatment Plant to meet the proposed Emerging Contaminants regulations and evaluate alternatives. This study and facilities plan will also evaluate options for the treatment at the West Water Treatment Plant and any upgrades needed to the treatment process, electrical system, instrumentation, and control components for automation of the treatment process to meet regulations for emerging contaminants or other identified

future regulations for potable water.

The study and facilities plan will include short-term and long-term recommendations at both the East and the West Treatment Plants to meet treatment requirements for emerging contaminants and other known future regulations for potable water. The plan will address source water options and the design and permitting of additional potential future groundwater wells or alternative water sources to address emerging contaminants and potential treatment for emerging contaminants at individual source water wells.

Phasing of the treatment plant upgrades during construction shall minimize disruption of operations and plant shutdowns.

Upon completion of the study and facilities plan, the Consultant will design and permit improvements identified in the alternative analysis study and provide construction bidding and construction management services.

How will this affect city programs or services? This will allow the City to upgrade both water treatment plants as needed to meet future drinking water regulations including emerging contaminant treatment in a cost effective manner.

Account Line Item and Description: Budget amendment Utility CIP Account 403-5025-533-65.02 for SRF Loan for East and West Water Treatment Plant upgrades and treatment Operations Evaluation. See attached appendix A.

Fiscal Impact: This is a new project that will be funded from Utility CIP Reserves until we get reimbursements from SRF principal forgiveness loan program.

Attachments:

[R25-027 Agenda_Item_2304-2023_Resolution_for_RFQ___UTL24-031_Award_to_Jabobs_Eng..docx](#)
[Exhibit A to Resolution - Jacobs Agreement _01162025.pdf](#)
[BoyntonTO1_WestEastWTPUpgrades_ScopeFee_01102025.pdf](#)
[UTL24-031 EWTP WWTP Upgrades - REVISED 07.18.24.pdf](#)
[City of Boynton Beach - DW501300.pdf](#)
[R25-028 Agenda_Item_2304-2023_Uilities_Budget_Amd.docx](#)
[Exhibit A part 1.pdf](#)
[Exhibit A part 2.pdf](#)