

Agenda Item: 2.f

Meeting Date: November 14, 2023

MEMORANDUM

To: City Commission

Date: 2023-11-05

From: Janice Bennett

Subject: Approve a Service Authorization to Ardurra Group, Inc., for professional services related to the Wastewater Treatment Facility Deep Bed Denitrification Filter Rehabilitation Project, for a lump sum fee of \$168,738.

Presenter(s): Janice "Nan" Bennett, P.E., Director of Utilities; and Brian Antonian, WWTP Superintendent

Recommend: Authorize staff to execute a Service Authorization in the amount of \$168,738 to Ardurra Group, Inc. for professional services related to the Wastewater Treatment Facility Deep Bed Denitrification Filter Rehabilitation Project

Epic Goal(s): Goal #4 - Be the statewide model for environmental sustainability stewardship.

Boards & Committees: N / A

Budget Impact: Funds for this project are budgeted in the Water & Sewer Utility Fund (Acct. #441-5265-535-056301 WU).

Past Action: 1.) Commission awarded a General Engineering Consultant (GEC) contract to Ardurra Group, Inc., (and other consultants) as a result of RFQ #23-1221 for "Miscellaneous Engineering, Landscape Architecture, Surveying and Planning Consultant Services" on May 16, 2023 (Agenda Item 2.d).

Next Action: Award a future construction contract upon completion of design and bidding.

Attachments: [A. Ardurra - WWTP Filter Rehab Scope & Fee Proposal.pdf](#),

Background:

The Dunedin Wastewater Treatment Plant (WWTP) is equipped with four (4) deep bed denitrifying filters that were installed in 1991 and have been in service continuously since that time. The Utilities Department rehabilitated the valves and pumps for the filtration system in 2019. Over the last several years, wastewater operations staff have begun noticing the backwashing function of the filters is not evenly dispersed across all areas of the filter, and thus may not be fully cleaned with each filter run.

In order to explore this concern, operations staff retained the services of the original equipment manufacturer (OEM), De Nora, in March 2023 to perform the annual process audit of the filtration system. The results of the process audit included recommendations for the complete rebuild / rehabilitation of the existing filters as soon as possible in order to maintain the quality of the effluent produced by the filters.

This project is included in the Capital Improvement Plan approved by Commission and funded in FY24 as the WWTP Facility 8, Filter Media and Basin Rehabilitation project, with an estimated cost of \$1,650,000, inclusive of construction costs and professional services. As such, staff requested a proposal from Ardurra Group, Inc., one of the City's (GEC) General Engineering Services Consultants to provide design, permitting, and construction management services for the rehabilitation of the filtration system.

Following negotiations regarding the necessary services and fees, Ardurra provided the attached scope and fee proposal, for a lump sum cost of \$168,738 for design, bidding, and construction services.

Staff deems the professional services proposed to be appropriate to complete the work, and the corresponding fee to be fair and reasonable. Therefore, staff hereby recommends the City Commission approve the award and authorization to issue a GEC Task Assignment to Ardurra Group, Inc., for a lump sum fee of \$168,738, as detailed herein.