



Mayor Robert E. Simison

City Council Members:

Luke Cavener, President
Liz Strader, Vice President
Brian Whitlock
Doug Taylor
John Overton
Anne Little Roberts

TO: Mayor Robert E. Simison
Members of the City Council

FROM: David Briggs, P.E., P.M.P.

DATE: November 27, 2024

SUBJECT: TASK ORDER #11281. __ FOR THE WRRF TERTIARY FILTRATION UPGRADE – PROCESS CONTROL SOFTWARE INTEGRATION OF \$427,305.00 PURSUANT TO THE MASTER AGREEMENT APPROVED BY CITY COUNCIL OCTOBER 1, 2017

REQUESTED COUNCIL DATE:

I. RECOMMENDED ACTION

A. Move to:

1. Approve Task Order 11281. __ with JACOBS ENGINEERING GROUP, INC for the Wastewater Resource Recovery Facility - Tertiary Filtration Upgrade Process Control Software Integration, for a not-to-exceed cost of \$427,305.00.
2. Authorize the Mayor to sign the agreement

II. DEPARTMENT CONTACT PERSONS

| | |
|--|--------------|
| David Briggs, PE, PMP - PM | 208-489-0347 |
| Clint Dolsby, PE, Assistant Engineer | 208-489-0341 |
| Warren Stewart, City Engineer | 208-489-0350 |
| Laurelei McVey, Director of Public Works | 208-985-1259 |

III. DESCRIPTION

A. Background

The WRRF Tertiary Filtration Project is designed to reduce the effluent phosphorus loadings to Five Mile Creek through installation of a tertiary membrane system. The WRRF is currently in year six (6) of a ten-year NPDES compliance schedule to reduce these loadings.

B. Proposed Project

JACOBS ENGINEERING GROUP INC. will provide process control software integration services for the project. This Task Order will allow Jacobs Engineering the ability to assist the City during Construction with software integration services on this project.

C. Consultant Selection

JACOBS ENGINEERING GROUP INC. was selected for this project due to their experience with projects of similar size and scope.

IV. **IMPACT**

A. Strategic Impact:

This project meets the City’s mission requirements to identify and prioritize work to anticipate, plan and provide public services and facilities that support the needs of our growing community, ensure modern, reliable facilities, while maintaining financial stewardship and maintaining the ability to meet the changing permit limit requirements.

B. Service/Delivery Impact:

Implementing tertiary filtration at the WRRF will support departmental objectives to develop and employ strategies that comply with current and pending National Pollutant Discharge Elimination System Permit (NPDES) administered by the EPA and IDEQ.

C. Fiscal Impact:

Project Costs:

| <u>Fiscal Year 2022</u> | |
|-------------------------------------|--------------|
| WRRF Tertiary Filtration Facilities | \$797,946.00 |
| Survey Work | \$15,000 |
| Badger Potholing | \$2,276.82 |

| | | |
|---|--------------------|------------------------|
| WRRF Membrane Pre-Purchase (TO2A) | | \$206,993.00 |
| DC Engineering Review | | \$8,150.00 |
| | Total | <u>\$1,030,365.82</u> |
| <u>Fiscal Year 2023</u> | | |
| WRRF VE Validation and Prelim Design (TO2C) | | \$268,809.00 |
| <hr/> | | |
| WRRF Tertiary Filtration Upgrade – Final Design | | \$2,256,927.00 |
| | Total | <u>\$2,525,736.00</u> |
| <u>Fiscal Year 2024</u> | | |
| Switchboards | | \$169,946.00 |
| APEX | | \$18,458.46 |
| STRATA (Testing) | | \$124,344.00 |
| Filmtec (Membranes) | | \$5,771,834.00 |
| Atlas Geo (Investigation) | | \$2,200.00 |
| Eight (8) VFDs | | \$267,836.00 |
| Three (3) Transformers | | \$445,000.00 |
| PrePurchase Stantec Help | | \$65,880.00 |
| Sectionalizing Cab_Package 1 | | \$44,825.41 |
| MCC_PLC_Panels_Package 2 | | \$340,000.00 |
| Stantec SDC Agreement | | \$2,498,040.00 |
| | Total | <u>\$9,748,363.87</u> |
| <u>Fiscal Year 2025</u> | | |
| Process Control Integration | | \$427,305.00 |
| RSCI Construction | | \$22,500,000.00 |
| | Total | <u>\$22,927,305.00</u> |
| <u>Fiscal Year 2026</u> | | |
| RSCI Construction | | \$8,547,000.00 |
| | Total | <u>\$8,547,000.00</u> |
| | Total Project Cost | <u>\$44,778,770.69</u> |

Project Funding

| | | |
|--|--------------|-------------|
| FY 2022 Tertiary Filter Expansion (approved) | (3590/96154) | \$1,500,000 |
|--|--------------|-------------|

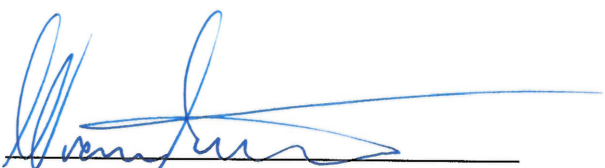
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|---|---------------|-----------------|
| <i>FY 2023 Tertiary Filter Expansion (approved)</i> | (3590/96154) | \$3,000,000 |
| <i>FY 2024 Tertiary Filter Expansion (proposed)</i> | (3590/96154) | \$14,500,000 |
| <i>FY 2025 Tertiary Filter Expansion (proposed)</i> | (3590/96154) | \$21,000,000 |
| <i>FY 2026 Tertiary Filter Expansion (proposed)</i> | (3590/96154) | \$7,000,000 |
| | Total Funding | \$47,000,000.00 |

V. ALTERNATIVES

No alternatives to this project at this time.

VI. TIME CONSTRAINTS

Council's approval will allow this project to continue towards construction of the tertiary filtration facilities and meet the NPDES compliance date of June 30, 2027.

Approved for Council Agenda:  _____