



MEMO TO: Mayor Vandernail and the Board of Trustees
FROM: Adam Cwiklin, Water and Wastewater Superintendent and
Russell Pennington, P.E., Public Works Director
DATE: January 19, 2022
SUBJECT: Water Supply and Hydrological Wellfield Studies

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DEPARTMENT: Public Works

PRESENTER/PREPARER: Adam Cwiklin, Water and Wastewater Superintendent

FISCAL INFORMATION:

Cost as Recommended: \$81,610 (includes 20% contingency)
Balance Available: \$105,000
Fund: Water
Budget Line-Item Number: 50-40-370
New Appropriation Required: No

REQUESTED ACTION:

Approve the Resolution to appropriate funding from the Other Professional Services System Account (50-40-370) of the 2022 Water Fund and authorize the appropriate Town officer to expend said funds and contingency funds.

SUMMARY AND BACKGROUND OF SUBJECT MATTER:

Fraser intends to develop a Water System 10-year Capital Improvement Plan (CIP) in 2022. A major component necessary to developing a 10-year CIP is complimentary hydrological and wellfield studies. The overall goal of this project is to complete hydrogeologic work that will identify future wellfield areas and the number of wells required to meet the anticipated north service area demand within the Fraser north system.

HRS Water Consultants is the Towns general services contract Hydrologist. HRS will complete the Water Supply and Hydrological Wellfield Studies upon approval.

SCOPE OF WORK:

Phase 1: Build out the current Fraser well field and optimize well field production.

- Wellfield Data Assembly and Review
- Wellfield Data Analysis and Preliminary Well Site Selection
- Wellfield Simulation Analyses
- Analysis Results and Conclusions
- Meetings and Coordination
- Phase 1 Report
- Phase 2: Predict additional supply and locations to be developed after the current well fields are exhausted.
 - Water Supply Analysis
 - Study Area Selection
 - Hydrogeologic Data Review
 - Hydrogeologic Analysis
 - Meeting and Coordination
 - Phase 2 Report

PROJECT SCHEDULE

Sign Proposal	January 2022
Wellfield Study kickoff	February 2022
Wellfield Study Draft Report	July 2022
Wellfield Study Report Adoption	September 2022 Board Meeting

BUDGET:

HRS proposal	\$68,010
Contingency (20%)	\$13,600
Total	\$81,610

ATTACHMENTS:

Hydrogeologic and Water Supply Consulting Services Proposal

STAFF RECOMMENDATION:

Motion to approve **Resolution No. 2022-01-08** authorizing the Town Staff to contract with HRS Water Consultants for development of the hydrogeologic and water well supply components for the Fraser Water System 10yr CIP from Other Professional Services System Account (50-40-370) of the 2022 Water Fund in an amount not to exceed \$81,610.

