

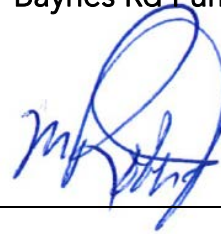
Staff Report to Council

Engineering & Operations

FILE: 11-5232-01/21

REPORT DATE: February 16, 2021 **MEETING DATE:** February 23, 2021
TO: Mayor and Council
FROM: Samantha Maki, Director of Engineering & Operations
SUBJECT: Single Source Purchase of Two Pumps for Baynes Rd Pump Station

CHIEF ADMINISTRATIVE OFFICER REVIEW/APPROVAL:



RECOMMENDATION(S): THAT Council:

- A. Approve the single source purchase of two pumps from Sulzer Pumps (Canada) Inc. for the Baynes Rd Pump Station in the amount of \$317,096.35, excluding applicable taxes; OR
- B. Other.

PURPOSE

To obtain Council's approval to single source the purchase of two pumps for the Baynes Rd Pump Station from Sulzer Pumps (Canada) Inc.

☐ Information Report

☒ Decision Report

☐ Direction Report

DISCUSSION

Background:

In 2012, the City conducted a Pump Station Assessment that reviewed the existing conditions of the City's drainage pump stations and provided recommendations for replacement. Part of the assessment included review of the possibility of pump standardization. Pump standardization involves implementation of one only pump model and allows the City to exchange pumps during emergencies and for spare parts and equipment to be compatible at all stations. The majority of existing drainage pumps are ABS pumps, which have been renamed Sulzer pumps. Except for the Pitt Polder Pump

Station, the City continues to use Sulzer pumps, has experience with their operation, experience with the supplier and is satisfied with the quality of the pumps. To align with the standardized practice, staff intend to continue to use Sulzer pumps, wherever possible.

In October 2019, staff applied for grant funding through UBCM's 2019 Structural Flood Mitigation funding stream for replacement of the pumps at the Fenton Pump Station and a back-up generator for the Baynes Rd Pump Station. In February 2020, the City received confirmation of the grant funding.

Relevant Policy, Bylaw or Legislation:

Pitt Meadows Purchasing and Procurement Policy C012

Analysis:

Over the past year, concerns regarding the available capacity at the Baynes Rd Pump Station has grown. This caused staff to assess available options. The pumps at the Baynes Rd Pump Station are relatively new (installed in 2014) and still have a considerable lifespan. The capacity of the existing pumps at the Baynes Rd Pump station are slightly higher than the existing pumps at the Fenton Pump Station, but would meet the needs of the current and future drainage system and would fit into the existing station. The back-up generator for Baynes Rd Pump Station was included in the original project scope and the generator size is dependent on the pump capacity. Any future changes to the pump capacity at the Baynes Rd Pump Station would result in necessary changes to the generator; therefore, it was important to find a solution for both stations at the same time to avoid future re-work and additional costs.

For the reasons discussed above and as outlined during 2021 business planning, staff submitted a scope change request to UBCM. The scope change outlined that the existing 2014 pumps from the Baynes Rd Pump Station would be relocated to the Fenton Pump Station and new, higher capacity pumps, would be installed into the Baynes Rd Pump Station in order to solve the recently observed capacity issues. Note that the pump type in both stations would remain the same: submersible propeller pumps. The higher capacity pumps would fit into the existing canisters at the Baynes Rd Pump Station, which were previously rehabilitated. This cost-effective solution allowed us to meet the needs of both stations. Approval was recently received from UBCM for the scope change, provided the City funded anything over and above the original grant funding.

An updated quote was obtained from Sulzer Pumps (Canada) Inc. and staff recommend purchasing the two pumps. As this purchase would be a single source and is over \$200,000, approval shall be obtained from Council. Fabrication and delivery is expected to take 26-28 weeks following issuance of a purchase order. There is other work associated with the project, including electrical and civil design, electrical modifications, programming and installation; however, the pumps have the longest lead-time.

COUNCIL STRATEGIC PLAN ALIGNMENT

- ☐ Principled Governance ☐ Balanced Economic Prosperity ☐ Corporate Excellence
☐ Community Spirit & Wellbeing ☒ Transportation & Infrastructure Initiatives
☐ Not Applicable
-

FINANCIAL IMPLICATIONS

- ☐ None ☒ Budget Previously Approved ☐ Referral to Business Planning
☐ Other

The total revised project budget is \$1,139,740.00, including contingency and the City previously received \$739,740.00 in grant funding. The remaining \$400,000 is funded from the City's drainage reserve fund.

The cost of the two 2350L/s Sulzer submersible propeller pumps is \$317,096.35, excluding PST and GST. This cost is within the price range anticipated and includes a 1-year warranty. This is approximately \$85,000 more than the costs of the new pumps originally planned for installation at the Fenton Pump Station. This additional cost was budgeted for as part of 2021 Business Planning, including the additional cost associated with a larger generator to manage the increased Baynes pump capacity and the programming.

PUBLIC PARTICIPATION

- ☒ Inform ☐ Consult ☐ Involve ☐ Collaborate ☐ Empower

Comment(s):

KATZIE FIRST NATION CONSIDERATIONS

Referral ☐ Yes ☒ No

SIGN-OFFS

Written by:

Reviewed by:

Samantha Maki, Director of Engineering & Operations Mark Roberts, Chief Administrative Officer

ATTACHMENT(S)

None.