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**TO:** Committee of the Whole                      **MEETING:** July 10, 2018

**FROM:** Mike Squire, ASCT  
Project Engineer                      **FILE:** 5330-20-FCPCC EXPAN

**SUBJECT:** Detailed Design Services for French Creek Pollution Control Centre Stage 4  
Expansion Project and Odour Control Upgrades

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### **RECOMMENDATION**

That the Board award the Engineering Services contract for the detailed design, tendering and construction services for the French Creek Pollution Control Centre Stage 4 Expansion Project and Odour Control Upgrades to AECOM for \$2,506,980 (excluding GST).

### **SUMMARY**

A Request for Qualifications (RFQ) for Engineering Services for the French Creek Pollution Control Centre (FCPCC) Stage 4 Expansion Project and Odour Control Upgrades was publicly advertised on February 8, 2018. The RFQ closed on March 15, 2018 and two (2) submissions were received. After a review with Purchasing and Engineering Services staff, it was determined the submissions received from AECOM and JACOBS CH2M met the qualification standards. A Request for Proposals (RFP) was sent to the two qualified proponents on May 11, 2018. The RFP closed on June 15, 2018 and proposals from AECOM and JACOBS CH2M were received. The Proposals were rated by a staff selection committee and the proposal from AECOM was determined to be the highest ranked and lowest cost proposal.

### **BACKGROUND**

The required upgrades to the FCPCC are two-fold;

- Increase wastewater treatment capacity and
- Provide sufficient odour control for the existing plant and the new works.

The Stage 4 Expansion will be designed to provide adequate treatment capacity for the service population to the year 2035, and it is anticipated that the expansion will be complete and fully commissioned by 2022. The project will also upgrade the existing plant to improve operational efficiency and replace aging infrastructure.

In 2012 AECOM completed a treatment process selection report for FCPCC Stage 4 expansion that included a conceptual design and high level cost estimate for this project.

In 2017, AECOM was awarded the predesign for the FCPCC Stage 4 upgrades. The completed predesign provided a detailed scope of improvements and updated engineering cost estimates for the Financial Plan.

A RFQ for detailed design of the FCPCC Stage 4 Expansion Project and Odour Control Upgrades was publicly advertised on February 8, 2018. The RFQ closed on March 15, 2018 and two (2) Proposals were received (5 engineering firms with experience in major wastewater project design were contacted and made aware of the opportunity). After a review with Purchasing and Engineering Services staff, it was determined that the two proposals received both met the qualification standard and would be invited to provide detailed proposals for the project in the form of an RFP.

The RFP for the detailed design of the FCPCC Stage 4 Expansion Project and Odour Control Upgrades was issued on May 11, 2018 and closed on June 15, 2018; proposals from AECOM and JACOBS CH2M were received.

The two proposals were evaluated by a selection committee consisting of Regional District of Nanaimo (RDN) Purchasing, Wastewater Operations and Engineering Services Staff. The selection was made on the basis of technical merit and financial fees. Proposals were evaluated using the following weighting:

- Technical Submission – 65 % of total proposal score
- Financial Submission – 35 % of total proposal score

The Evaluation Team determined that the highest ranked Proposal was provided by AECOM. AECOM's proposal was also the lowest cost proposal.

AECOM is a consulting engineering firm specializing in water and wastewater. AECOM demonstrated a thorough understanding of the Project and has the experience and expertise needed to work with RDN staff to complete the Engineering Services for this Project.

The French Creek Pollution Control Centre (FCPCC) Stage 4 Expansion Project and Odour Control Upgrades aligns with the RDN Asset Management Policy, which identifies maintaining and managing assets at defined levels to support public safety, community well-being and community goals, and to fulfil Board Strategic Priorities as essential asset management activities.

The design work is expected to be completed in 2019 followed by tendering, award and construction start in 2020. The project is expected to be completed late 2021/early 2022.

## **ALTERNATIVES**

1. Award the Engineering contract for FCPCC Stage 4 Expansion Project and Odour Control Upgrades to AECOM for \$2,506,980 (excluding GST).
2. Cancel the RFP and provide alternate direction to staff.

## FINANCIAL IMPLICATIONS

The 2018 – 2022 Financial Plan provides over \$2.7 million in funding for detailed design, tendering services and construction services for this project through the Northern Communities Waste Water Services Fund. AECOM's financial submission included a total fixed-fee of \$2,506,980 is within the allocation in the approved Five Year Financial Plan. The current budget for construction identified in the Five Year Financial Plan for this project is \$30.8 million.

On May 31, 2018, the Canadian and British Columbian governments committed up to \$243 million towards an initial intake of the Green Infrastructure – Environmental Quality Program to support cost-sharing of infrastructure projects in communities across the province. This project meets all program requirements and at the Regular Board Meeting held June 26, 2018 the following motion was carried:

*That the Board endorse the following projects for submission under the Green Infrastructure – Environmental Quality Program, with a commitment to contribute the Regional District of Nanaimo's share of the project costs:*


- *French Creek Pollution Control Centre Expansion.*
- *Chase River Forcemain Replacement.*
- *Nanoose Bay Wastewater Upgrades.*
- *Regional District of Nanaimo Transit Exchange.*
- *Water Governance.*
- *French Creek Water Service Upgrades*

If the application is successful, funding through this program will be applied to the construction phases following detailed design.

## STRATEGIC PLAN IMPLICATIONS

The design and construction of FCPCC Stage 4 Expansion Project and Odour Control Upgrades directly supports the Board Strategic Priority to Focus on Organizational Excellence. This priority states that the RDN will deliver efficient, effective and economically viable services that meet and the needs of the Region, including funding infrastructure in support of our core services employing asset management focus.

This project also supports the strategic priority to Focus on Economic Health and recognizes the importance of wastewater in supporting economic and environmental health.



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June 29, 2018

Reviewed by:

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- S. De Pol, Director, Water & Wastewater Services
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- P. Carlyle, Chief Administrative Officer