



INFORMATION ONLY COUNCIL REPORT

To: Paul Gipps, CAO

Date: March 9, 2021

From: Allen Fillion, Director of Engineering and Public Works

File No: 5600-19

Subject: **Rose Valley Water Treatment Plant Main Tender Award**

STRATEGIC AREA(S) OF FOCUS

As part of Council's Strategic Priorities, the Rose Valley Water Treatment Plant meets the objectives set out in Council's *Invest in Infrastructure* and *Foster Safety and Well-being* pillars.

BACKGROUND

Construction of the Rose Valley Water Treatment Plant (RVWTP) was planned to be completed utilizing two main contracts. The first (smaller value) contract for civil works commenced in 2020 and generally included:

- Common excavation and blasting
- Access road construction
- Large diameter watermain installation
- Site drainage including a large retention pond, culverts and catch basins

Final inspection of this contract is scheduled for March 8th.

The intent of the two contract approach was to allow the above site works to take place concurrently to the design of the treatment plant building and treated water reservoir being finalized. This also allowed time to secure all the necessary permits and approvals.

The second contract generally includes:

- Construction of the main treatment plant building
- Construction of a treated water reservoir
- All process and building mechanical
- Electrical, Instrumentation and Controls

A pre-qualification process was undertaken for this contract to ensure general contractors who are well qualified, and have the necessary resources and related experience for a project of this type and magnitude. The pre-qualification process resulted in four general contractors being invited to bid on the second tender. The tender closed on February 18th at 2:00 pm with all four pre-qualified contractors submitting a bid. A summary of the tender results is provided in Table 1 with further information provided in Attachment 1 – *RVWTP – Main Contract Recommendation Letter*.

Table 1 - Summary of Tender Results

Item	Tenderer	Tender Price (excl. GST)
1	Aecon Water Infrastructure Inc.	\$ 55,837,300.00
2	Graham Infrastructure LP	\$ 55,633,230.00
3	Maple Reinders Constructors Ltd.	\$ 45,151,535.00
4	PCL Constructors Westcoast Inc.	\$ 52,631.535.00

The Engineer's pre-tender estimate was \$51,345,000. The RVWTP project value, including the plant and connections to the Lakeview (local Rose Valley), Prichard, Sunnyside and West Kelowna Estates Systems is based on a not-to-exceed model of up to \$75M.

In addition to this tender amount, the not-to-exceed \$75M budget also includes construction contingency, the contract work completed under the first contract, supply contract for UV equipment, supply contract for electrical and instrumentations controls package, professional services, and the Sunnyside and West Kelowna Estates transmission mains to connect to the new plant.

The West Kelowna Estates and Sunnyside transmission mains are currently under design and budgets will be updated as the design develops. It should also be noted that CWK has applied for grant funding for this project under the Investing in Canada Infrastructure Program – Green Infrastructure stream. Announcements related to this grant program are anticipated this spring. If successful, the funding covers 73.33% of eligible costs (40% Federal, 33.33% Provincial).

Maple Reinders Constructors Ltd. submitted a compliant tender with all the required documentation. The Preliminary Construction Schedule presented complies with the milestone dates set out in the Contract documents. Maple Reinders Constructors Ltd. has a local presence and has completed work on large scale water and wastewater treatment plant projects in the Okanagan and B.C., including the Powers Creek Water Treatment Plant. Maple Reinders Constructors Ltd. has listed all approved

subcontractors with a local presence and vendors that align with the technical specifications.

Given all of the information above, and in following the City's Purchasing Policy, the contract has been awarded to Maple Reinders Constructors Ltd. in the amount of \$45,151,535.

FINANCIAL IMPLICATIONS

Funding for the Rose Valley Water Treatment Plant Main Contract is approved as part of the budget for the construction of the Rose Valley Water Treatment Plant. The \$45,151,535 cost is within the Engineer's estimate for the construction of the facility.

APPROVED FOR THE AGENDA BY

Paul Gipps, CAO

Powerpoint: Yes ☐ No ☒

Attachments:

1. RVWTP – Main Tender Recommendation Letter