



## COUNCIL REPORT

To: Mayor and Council

Date: September 10, 2024

From: Ron Bowles, CAO

File No: 5330-20-70

Subject: **Dam Safety Review – 2024 Budget Amendment**

Report Prepared by: Dana R. Graves, Senior Design and Inspection Technologist

---

**RECOMMENDATION** to Consider and Resolve:

**THAT** Council direct staff to amend the 2024 Budget to include an additional \$100,000.00 (one hundred thousand dollars) to the 2024 Dam Safety Review project from Powers Creek (\$50,000) and Rose Valley Water Reserves (\$50,000) in order to award the Dam Safety Review project to lowest bidder and highest scoring proponent.

### **STRATEGIC AREA(S) OF FOCUS**

**Invest in Infrastructure** – We will invest in building, improving and maintaining infrastructure to meet the needs of, and to provide a high quality of life for, current and future generations.

### **BACKGROUND**

The British Columbia Dam Safety Regulation under the Water Act requires Dam Safety Reviews (DSRs) of dams containing a *Very High* consequence classification rating every 10 years. The DSR determines the status of each dam including deficiencies and non-conformance. DSR's require a systematic evaluation of all aspects of the original design, construction, maintenance, operation, processes and overall systems affecting the dam's safety. Fourteen dams, excluding Rose Valley Dam, were last reviewed in 2014 and make-up the remainder of dams that are now due for current updated review by a qualified Consultant.

### **DISCUSSION**

The 2024 Dam Safety Review was included in the 2024 Budget with a project value of \$250,000. Vendors were invited to submit a proposal on the City's Bids and Tenders procurement system in response to the City's Request for Proposals (RFP-2024-P024),

which opened July 9, 2024 and closed August 2, 2024. Three responses were received from qualified, experienced consultants.

In accordance with the City of West Kelowna's Purchasing Policy, detailed review of each proposal was conducted by City Engineering staff which considered multiple evaluation factors including methodology and approach, resource allocation, experience, team strength and overall price. A combined summary of the independent reviews resulted in the lowest bidder receiving a unanimous highest evaluation score with a price of \$336,173.07 (excluding GST). The highest scoring proponent submitted a strong, complete proposal with highlights including: a strong methodology with a clear understanding of the provincial DSR requirements and a strong project team with relevant DSR-related experience.

### **FINANCIAL IMPLICATIONS**

Since the completion of the 2014 DSR's, additional engineering analyses are required to satisfy the provincial regulations, including geotechnical investigations and static/seismic stability of the adjacent dam embankments. With an initial project budget of \$250,000 funded from Rose Valley Water Reserves (\$125,000) and Powers Creek Water Reserves (\$125,000), an additional \$100,000, \$50,000 from Powers Creek and \$50,000 from Rose Valley is required to complete the project and satisfy the provincial requirements.

### **REVIEWED BY**

Nilton Praticante, Engineering Manager

Rob Hillis, Deputy Director of Engineering

Lisa Siavashi, Financial Services Manager/Deputy CFO

Allen Fillion, Director of Engineering and Operations

### **APPROVED FOR THE AGENDA BY**

Trevor Seibel, Deputy CAO

Powerpoint: Yes  No