

REQUEST FOR PROPOSALS (RFP)

for

Engineering and Construction Management Services

for

the design and construction of a Raw Water Storage Reservoir

June 06, 2017

Closing Date for Submission: June 22, 2017, (no later than 4:30pm)

Proposals are to be submitted via email to Ryan Leuzinger, CAO, at cao@milkriver.ca

Questions regarding the RFP and the project can be forwarded to Ryan Leuzinger, CAO, at cao@milkriver.ca or via phone at (403) 647-3773.



1. General

The Town of Milk River is looking to expand our raw water storage capabilities to ensure a reliable source of water, through additional onsite storage at the Town's water treatment plant (WTP). We would like to commence the detailed engineering portion of the project as soon as possible. The new raw water storage facility will be constructed on land that is owned by the Town and is currently being farmed on a rental basis.

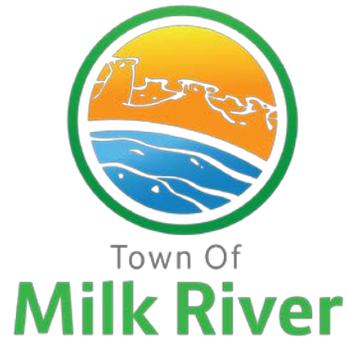
2. Background (see attached *Water Supply and Water Shortage Mitigation Study, 2016*)

With this project, the Town aims to protect against running out of water during times where there is no flow (October – March) in the Milk River and when the turbidity within the river is higher than optimal to be pumping. The water treatment system consists of an infiltration gallery within the river bed that feeds a concrete well where 2 vertical turbine (75HP each) pump raw water to two aerated sedimentation basins. From the sedimentation basins, raw water is conveyed into 3 slow sand filters, followed by UV and chlorine disinfection. The constructed capacity of the 2 sedimentation basins are 20,000m³ and 32,000m³, respectively, and the 3 slow sand filters have a constructed capacity of 50 l/s (4.3 MLD). In addition to supplying the Town, we supply 2 regional raw water lines as well as a potable water line that serves the Village of Coutts and beyond.

The *Water Supply and Water Shortage Mitigation Study - 2016*, highlights recommendations on sizing of a raw water storage facility that will meet the demand for the Town and other connected municipalities and entities until 2041.

3. Scope of Work

- Provide and conduct all necessary preliminary research, site investigation, preliminary survey, geotechnical investigation, and inspections required to develop full detailed engineered drawings
- Coordinate with and ensure compliance with deep and shallow utility providers
- Provide an anticipated project schedule
- Complete the tender documentation preparation, administration, and execution processes
- Provide all necessary construction administration and management throughout project
- Provide a warranty inspection prior to the expiry of the warranty period and required follow up with the contractor in the event of deficiencies
- Provide as-built drawings following project completion
- Proponents shall identify relevant management, administrative and technical capabilities and necessary skills, qualifications, and experience that they consider appropriate to the evaluation of their ability to successfully undertake the proposed contract and meet all RFP objectives.
- Ensure that all necessary provincial approvals are obtained prior to commencement of construction
- All other necessary components to ensure a timely and complete project delivery



4. Pricing

- Submit a detailed fee estimate, excluding GST
 - Including reasonable in-house disbursements
- Submit a fee schedule with hourly rates to complete additional work, if necessary
- Submit a project budget cost estimate and assumptions
 - Include expected construction costs, 15% contingency and engineering estimate