



building communities together

2020 Business Plan Horse Lake Water (1889)

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Working in partnership with communities large and small to offer local, sub-regional, and regional services to ensure that the Cariboo Chilcotin is a socially, economically, and environmentally desirable region.

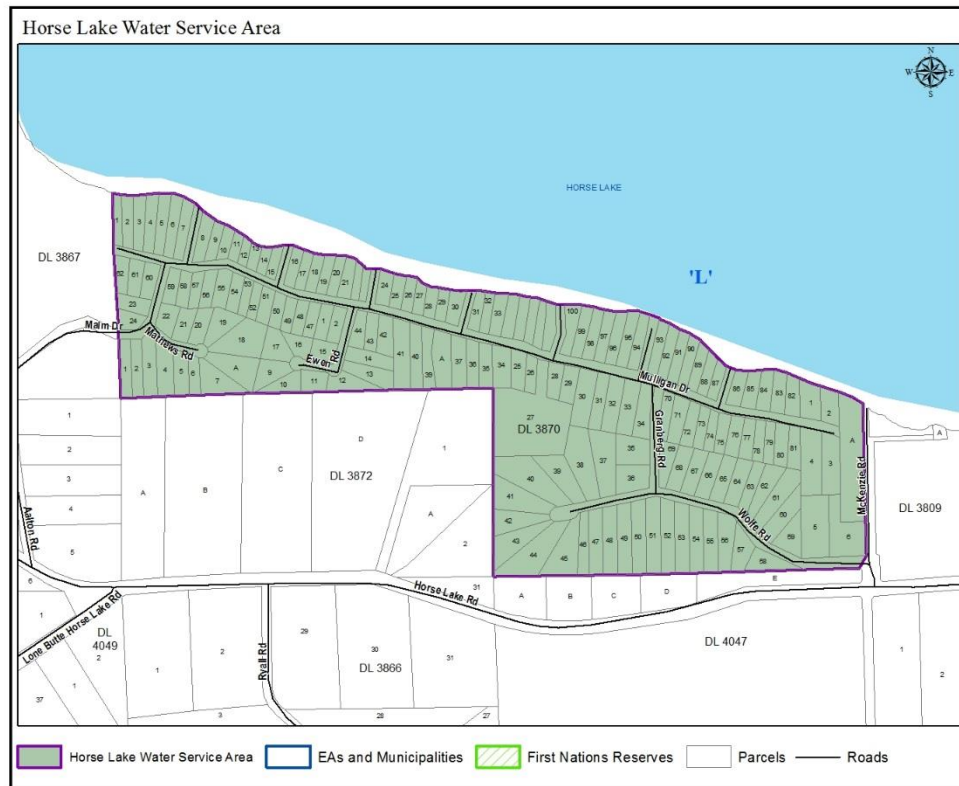
Department/Function Services

- The Horse Lake water function was established in 2009 and services 167 land parcels.
- The system is comprised of two wells, a well house, associated pumps and distribution piping, fire hydrants and one reservoir.
- In addition to meeting domestic needs, the system does provide some water to aid community fire protection, but the hydrants cannot be fully recognized by the Fire Underwriters Survey due to system inadequacies.

The water quantity and quality is tested on a regular basis and adjustments to the system are made as required. Regular inspection and maintenance to the system components is undertaken to ensure continuous operations. As well, new connections are provided to residents as requested.

Taxation is collected by way of a parcel tax set at \$169 and a user fee set at \$250. The Horse Lake Water System Specified Area Establishment and Loan Authorization Bylaws No. 4411 and 4412 provide function authority.

As Electoral Area L is the only stakeholder, and the *Local Government Act* requires more than one vote, the entire Board is responsible for the governance of this service.



Business Plan Goals, Rationale & Strategies

2020 Goals

1. **Goal:** Investigate costs for replacement of remaining sections of water main in need of replacement.
Rationale: To date, approximately 900 m of water main has been replaced; however, there are still significant sections of the distribution system that needs to be replaced.
Strategy: Commission an engineering assessment to determine Class D cost estimates for replacement of the remaining sections of water main for use in future infrastructure grant applications. (Carried forward from 2019)

2. **Goal:** Investigate costs for future manganese/iron treatment and residual chlorine monitoring.
Rationale: Assessment required to investigate treatment technology and costs to meet new Maximum Allowable Concentration for manganese.
Strategy: Retain consultant to investigate treatment options and prepare Class D estimates for use in future infrastructure grant applications. (Carried forward from 2019)

Overall Financial Impact

The 2020 requisition remains the same as the 2019 requisition, and current user fees are adequate for the next five years. The projected capital reserve as of December 2019 is \$67,393.

Significant Issues & Trends

WorkSafe BC has a recent mandate targeting municipalities and regional districts focusing on confined space entry plans, policies and procedures as well as general occupational health and safety requirements. In response to inspections by Worksafe, hazard assessments were completed for all utilities owned by the Cariboo Regional District to identify all confined space locations and subsequently procedures were developed for each.

The Interior Health Authority has been conducting inspections of CRD water systems and making recommendations to achieve compliance with the Drinking Water Protection Act and Regulation. Recommendations for the Horse Lake system are increased monitoring frequency, iron/manganese treatment and disinfection.

Health Canada has introduced a new Maximum Allowable Concentration (MAC) of 0.12 mg/L for manganese. The groundwater supply for the Horse Lake water system contains manganese at concentrations that exceed the MAC.

The Public Sector Accounting Board now requires local governments to report and record tangible capital assets. At some time in the future local governments may be required to amortize these assets over their useful life.

The Cariboo Regional District is a signatory on the Province of BC/UBCM Climate Action Charter and has committed to continuing work towards carbon neutrality in respect of corporate operations.

Measuring Previous Years Performance

2019 goals carried forward to 2020.