



building communities together

2021 Business Plan Alexis Creek Water (1883)

*Charles Boulet, P.Eng.
Manager of Environmental Services*

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 Services

- The Cariboo Regional District (CRD) owns and operates the Alexis Creek Community Water System (ACWS).

Background Information

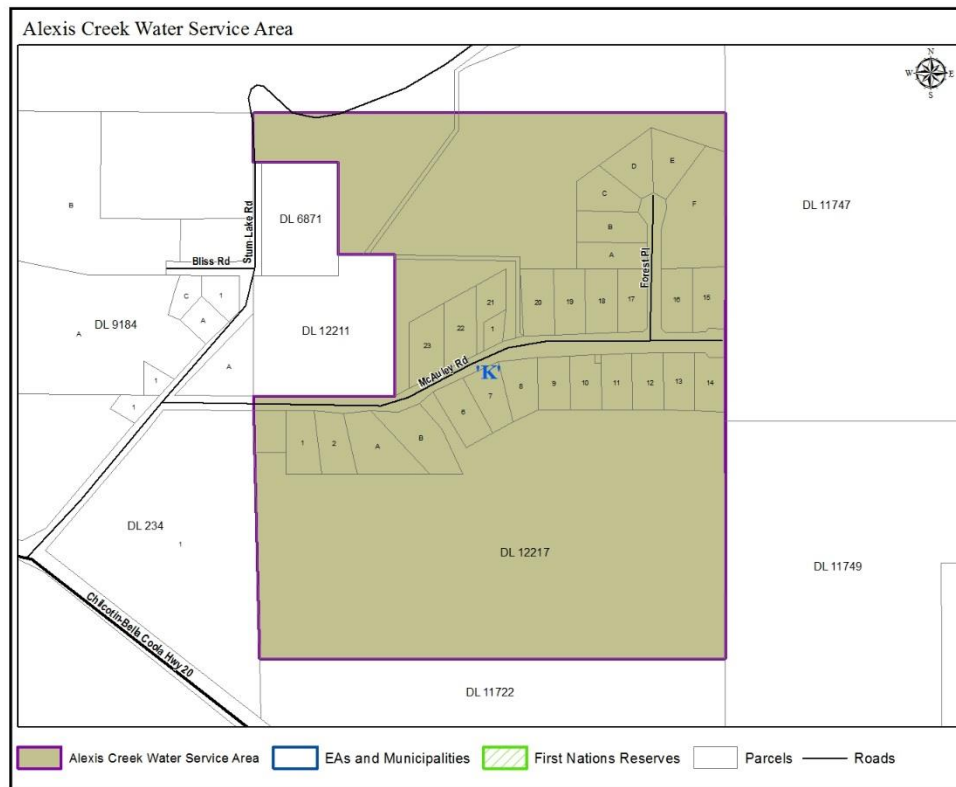
- The Alexis Creek water function was established in 1982 and now services 30 land parcels.
- The system is operated in conjunction with the Central Alexis Creek water system as both systems share the one well, a well house, associated pumps and distribution piping, fire hydrants, one reservoir and chlorination equipment.
- This system meets domestic needs and now has adequate capacity to aid community fire protection.

Operations

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. Connection changes, such as a new connection, are provided to residents as requested.

Operational costs are collected by way of an annual variable rate user fee currently set at \$375. The Alexis Creek Water System Specified Area Establishment Bylaw No. 1433 provides function authority.

As Electoral Area K 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.



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. In order to strictly meet WorkSafe requirements, some of the procedures recommended cannot be implemented with existing infrastructure layout. Staff are currently investigating how other jurisdictions are approaching these requirements and looking for alternative procedures acceptable to WorkSafe.

Interior Health Authority conducted inspections of CRD water systems and made recommendations to achieve compliance with the Drinking Water Protection Act and Regulation. Recommendations for the Alexis Creek water system were:

- 1) Increased monitoring frequency
- 2) Updated GUDI/GARP assessment
- 3) Disinfection.

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.

Other issues are the aging existing well and pumphouse; only one well exists creating a risk of losing the potable water supply.

Moving Forward:

- 1) Efforts are being made to merge Alexis Creek and Alexis Creek Central
- 2) A study is required to examine the feasibility of adding a second well and upgrading the existing pumphouse.

Business Plan Goals, Rationale & Strategies

2021 Goal

1. **Goal:** Investigate costs of adding a second well and a pumphouse that combines both wells.
Rationale: Both the well and pumphouse are ageing. Adding a second well will reduce the risk of losing the potable water supply.
Strategy: Determine the costs to drill a replacement well and construct a new pumphouse.
2. **Goal:** Update GUDI/GARP assessment.
NB: Ground water under direct influence of surface water (GUDI)
Groundwater at Risk of Containing Pathogens (GARP)
Rationale: Update GUDI/GARP assessment to meet IHA recommendations.
Strategy: Retain consultant to update the assessment.

Overall Financial Impact

The 2021 requisition remains the same as the 2020 requisition.
The projected capital reserve as of December 2020 is \$17,100.

The capital reserve is being contributed from the function at a rate of \$1,000 per year.