



building communities together

2024 Business Plan Russet Bluff Water (1886)

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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 Services

- The Cariboo Regional District (CRD) owns and operates the Russet Bluff Community Water System.

Background Information

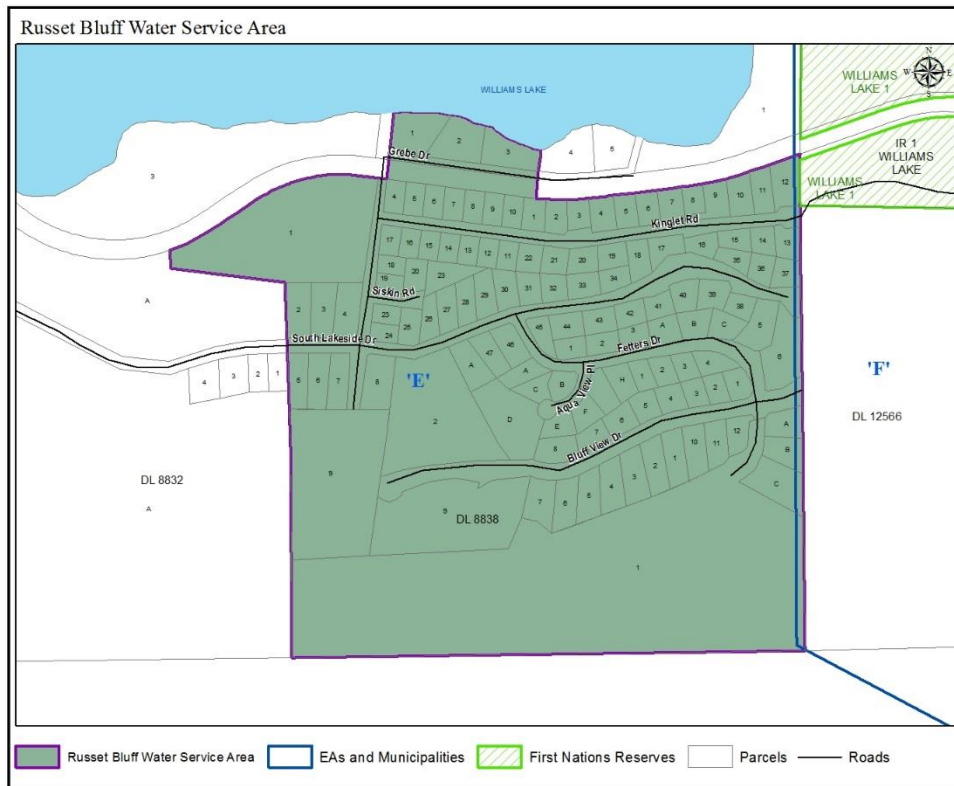
- The Russet Bluff water function was established in 2009 and services 90 land parcels.
- The system is comprised of two wells, two well houses, associated pumps and distribution piping, fire hydrants and one reservoir.

Operations

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

The Russet Bluff Water System Specified Area Establishment Bylaw No. 4407 provides function authority.

As Electoral Area E 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

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 Russet Bluff system have not yet been provided by IHA; however, it is anticipated that the following will be recommended:

- 1) Increased monitoring frequency
- 2) Iron/manganese treatment and residual chlorine monitoring pending results of additional water quality sampling.

The Russet Bluff water system utilizes two wells for water supply. The upper well is used most of the year and water quality meets all standards. However, in the summer months, drawdown in the upper well is such that the lower well needs to be put on-line. The lower well has manganese at levels that exceed the Maximum Allowable Concentration and as such a Water Quality Advisory must be issued.

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 Clean BC Climate Action Plan (formerly the Province of BC/UBCM Climate Action Charter) and has committed to continuing work towards carbon neutrality in respect of corporate operations.

Business Plan Goals, Objectives & Strategies

- 1. Goal:** Continue SCADA upgrade.
Rationale: Improve work productivity.
Strategy: Upgrade (SCADA) Supervisory Control and Data Acquisition.

- 2. Goal:** Add Chlorination to Treatment System.
Rationale: Increase water quality.
Strategy: Add chlorination and on-line chlorine monitoring inside the existing pumphouses.

- 3. 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.

Overall Financial Impact

The projected capital reserve as of December 2023 is \$47,678.

No parcel tax is currently being collected for this location.

The current residential user fee is \$452 per year, which may be adequate to maintain the integrity of the system.