



building communities together

2023 Business Plan 103 Mile Water (1890)

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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 103 Mile Water System.

Background Information

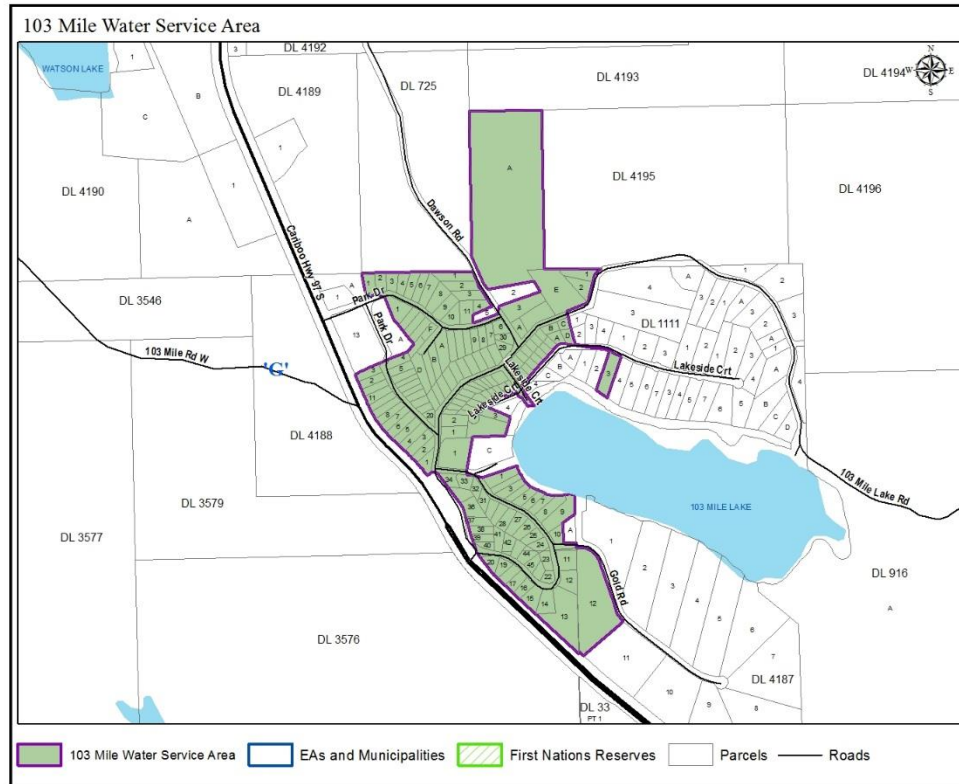
- The 103 Mile Water function was established in 2016 and now services 160 land parcels.
- The system is comprised of two wells, a well house, booster station, associated pumps, reservoir, and distribution piping.
- The system meets domestic needs only and does not provide water for community fire protection.
- In 2016, the Board allocated \$180,666 of Community Works Funds for a 1/3 contribution towards system improvements (new wells and pumphouse) and the remainder of project funding through MFA was obtained. In 2017, the tendered construction costs exceeded the approved budget for the project. The Board subsequently approved an additional contribution of \$130,000 from Community Works Funds to complete the project.

Operations

The water quantity and quality are 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.

Operational costs are collected by way of a user fee set at \$300. Taxation is collected by way of a parcel tax initiated in 2017 up to \$130. The 103 Water System Specified Area Establishment and Loan Authorization Bylaw No. 4980 provides function authority.

As Electoral Area G 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 103 Mile Water system have not yet been provided by IHA.

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.

Business Plan Goals, Rationale & Strategies

- 1. Goal:** Investigate costs for replacement of remaining sections of water main in need of replacement.
Rationale: There are significant sections of the distribution system that needs to be replaced.
Strategy: Assess condition; hire contractor to replace pipe.
- 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)*
- 3. Goal:** Upgrade SCADA.
Rationale: Improve work productivity.
Strategy: Upgrade (SCADA) Supervisory Control and Data Acquisition.
- 4. Goal:** Examine Reservoir condition.
Rationale: Water Service Reliability.
Strategy: Assess Reservoir condition.
- 5 Goal:** Reservoir design in 2023, if needed.
Rationale: Water service reliability.
Strategy: Retain consultant to design reservoir for construction in 2024.

Overall Financial Impact

The projected capital reserve as of December 2022 is \$107,450.

Taxation is collected by way of a parcel tax of \$130 per year and has remained unchanged since 2016.

The current residential user fee is \$323/year and will need to increase to \$355 for 2023 to match the growing needs of this service and inflation.