



building communities together

2025 Business Plan 103 Mile Water (1890)

*Kelly McDonald
Manager of Utilities*

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

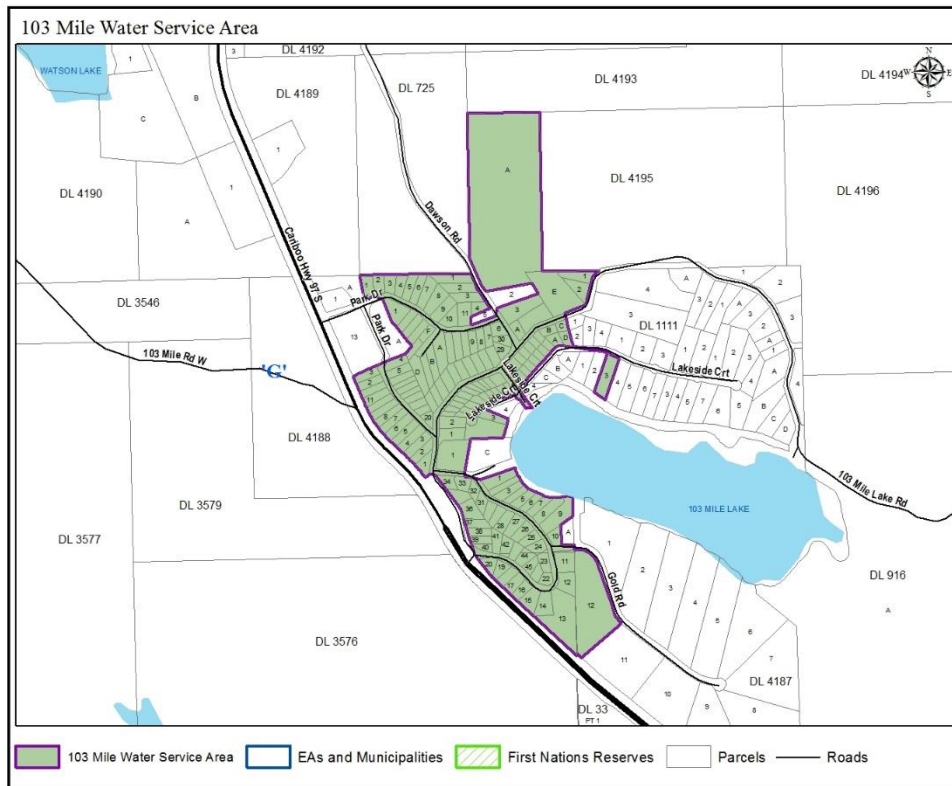
- The 103 Mile Water function was established in 2016 and now services 160 land parcels.
- The system is comprised of two wells, a well house, booster station, associated pumps, reservoir, and distribution piping.
- The system meets domestic needs only and does not provide water for community fire protection.

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 of the system components is undertaken to ensure continuous operations.

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

The current system lacks service stops (curb stops), meaning that in the event of a mainline leak or significant service break, it is often necessary to shut down and possibly drain an entire section of the system to make repairs. Following such an event, a Boil Water Advisory is issued.

A long-term objective should be to replace the reservoir, followed by the downstream mains, and ultimately the entire system. This should be planned with future grant funding in mind, with design and construction carried out in phases. As the mains are replaced, appropriate service connections will also be installed. These upgrades will additionally enhance fire protection.

The Public Sector Accounting Board 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 to 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, Rationale & Strategies

- 1. Goal:** Replace the Reservoir.
Rationale: The current reservoir capacity is too small. During peak demand in the summer, the well has difficulty keeping up. More reservoir capacity to fill during off peak hours would solve this. Sizing the reservoir for future fire protection would fit well with the system long term goals.
Strategy: Submit a request for proposals for a design build. Secure grant funding.
- 2. Goal:** Renovate or replace the Booster Station.
Rationale: The Booster Station mechanical as well as the building itself have deteriorated to the point of replacement. This would only be done once a plan for the reservoir is completed as, depending on reservoir design, the booster station may no longer be required.
Strategy: Submit a request for proposals for a design build or obtain a class “D” cost estimate and a design. Secure grant funding.
- 3. Goal:** Continue SCADA upgrades including online chlorine monitoring.
Rationale: Improve reliability and safety of the system.
Strategy: Upgrade (SCADA) Supervisory Control and Data Acquisition.
- 4. Goal:** Main valve exercising program.
Rationale: Service valves so they work when needed.
Strategy: Contribute funds as a percentage, based off size of the system, to valve exercising equipment.

Overall Financial Impact

The projected capital reserve as of December 2024 is \$70,440.

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 \$391 per year and may need to increase in 2025 to match the growing needs of this service and cover inflation.