



2026 Business Plan Lac La Hache Water (1880)

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 Lac La Hache Community Water System.

Background Information

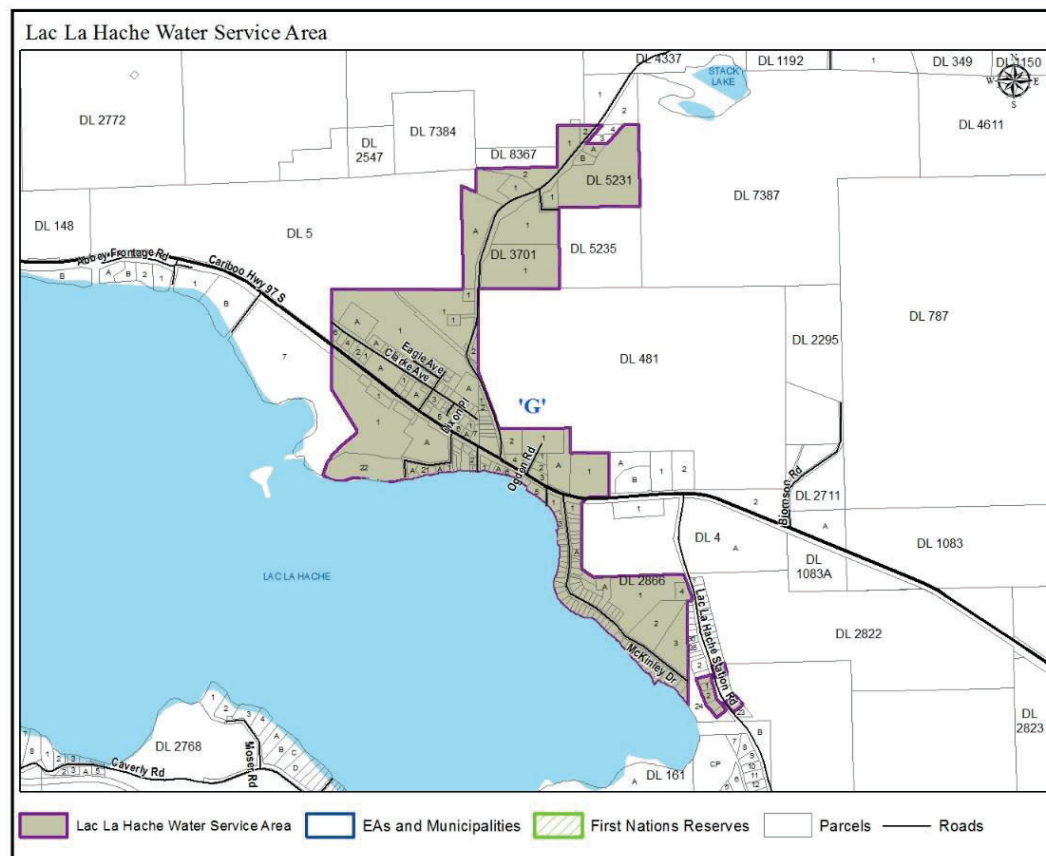
- The community of Lac La Hache is located along Highway 97 approximately 25 km North of 100 Mile House.
- The Lac La Hache water function was established in 1981 and currently provides services to 239 service connections.
- The community is serviced by a community water system originally constructed in 1982.
- The water system services residential, business, community services and recreation.
- The system is comprised of:
 - Two active groundwater supply wells (two Community Hall wells).
 - The Lake well has not been in use since 2016 due to poor water quality.
 - New pumphouse with chlorination, as well as an upgraded SCADA system.
 - 533,000 litre cast-in-place concrete water reservoir.
 - 6.7 kilometers of distribution watermain pipe.
 - 239 service connections.
 - 44 gate valves, 16 fire hydrants, 9 blow offs and various other water system appurtenances.
- In addition to meeting domestic needs, the system provides an adequate quantity of water to aid 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. Connection changes, such as a new connection, are provided to residents as requested.

The Lac La Hache local water service is governed by various bylaws to manage, operate, regulate and apply fees as necessary. Operational costs are collected by way of an annual residential variable rate user fee.

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 Public Sector Accounting Board (PSAB) requires local governments to report and record tangible capital assets. In the future, local governments may also be required to amortize these assets over their useful lives. To support this, the Cariboo Regional District (CRD) is currently developing master plans, as well as asset management inventories and software, to facilitate future budgeting and financial planning.

Business Plan Goals, Objectives & Strategies

1. **Goal:** Continue to build up capital reserves to replace infrastructure as needed or recommended by asset management.
Rationale: The system is generally in excellent operating condition; building up capital reserves will ensure we are prepared as infrastructure reaches end of life.
Strategy: Divert more funds to capital reserves.
Estimated Cost: At the Board's discretion.

2. **Goal:** More staffing to provide a better level of service as well as increased preventative maintenance.
Rationale: Our water systems are operating with below minimum staffing recommendations, as we increase our preventative maintenance and more staff are needed. This will reduce staff turnover and provide an increased level of service.
Strategy: Contribute funds based off system size to the wage of one more operator in the Southern Region.
Estimated Cost: Slightly increased operating costs will lead to overall reduction in reactive maintenance costs in the long run.

Overall Financial Impact

The projected capital reserve for 2026 is \$170,503.

No parcel tax is currently being collected for this location.

The current residential user fee is \$303 and will minimally increase in 2026 to match inflation and long-term asset management requirements.



2026 Business Plan Gateway Water (1881)

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 Gateway Community Water System (GWS).

Background Information

- The Gateway water function was established in 2014 and now services 27 land parcels.
- The system is comprised of one well, a well house, associated pumps, water treatment and distribution piping.
- The system meets domestic needs only and does not provide water for community fire protection.

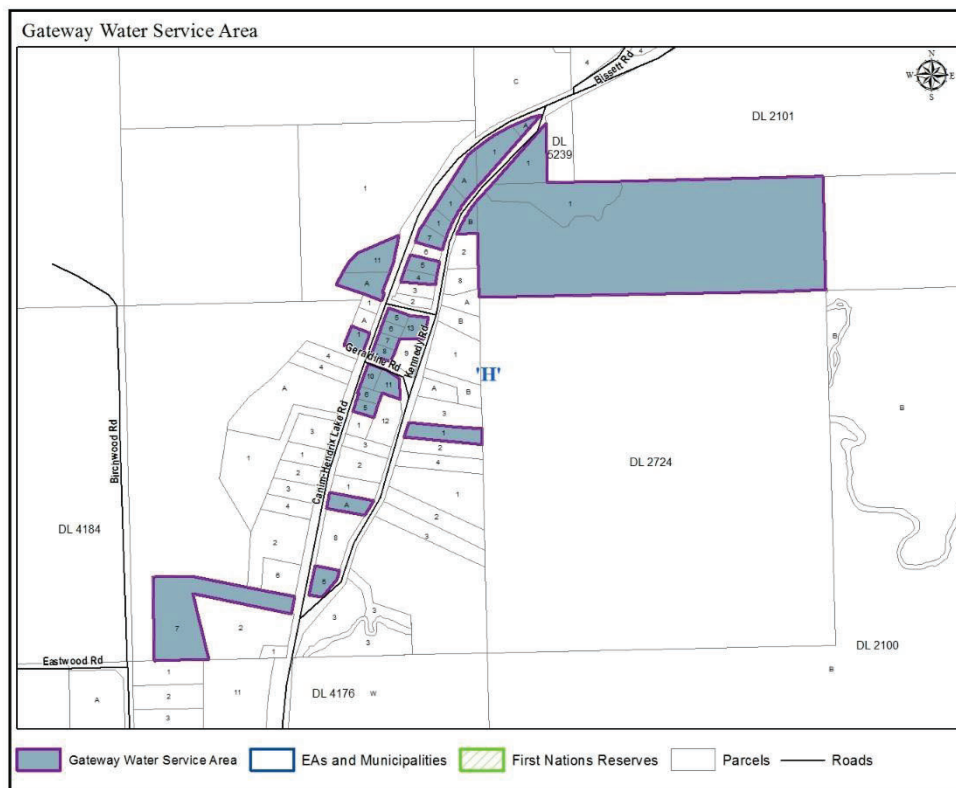
Operations

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

Operational costs are collected by way of a user fee set at \$529. Taxation is collected by way of a parcel tax of \$511.42. The Gateway Water System Specified Area Establishment and Loan Authorization Bylaw No. 4892, provides function authority.

The water system was constructed in 2014 at a cost of \$701,725.

As Electoral Area H 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.

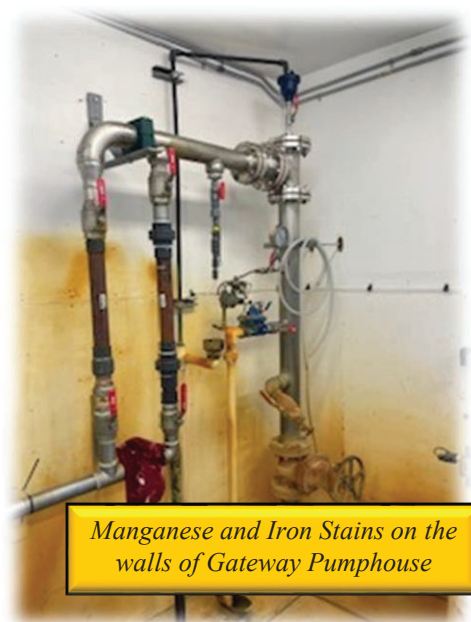


Significant Issues & Trends

The Interior Health Authority monitors and inspects CRD water systems, making recommendations to achieve compliance with the Drinking Water Protection Act and Regulation. Recommendations for the Gateway system include:

1) Iron/Manganese Treatment

Currently, the Gateway system does not meet Health Canada's *Maximum Allowable Concentration* (MAC) of 0.12 mg/L for manganese. The water quantity and quality will continue to be tested on a regular basis, and adjustments will be made to the system as required. It is not feasible to construct manganese treatment for such a



Manganese and Iron Stains on the walls of Gateway Pumphouse

small system as costs are prohibitive; however, grant opportunities are being explored.

The Public Sector Accounting Board (PSAB) requires local governments to report and record tangible capital assets. In the future, local governments may also be required to amortize these assets over their useful lives. To support this, the Cariboo Regional District (CRD) is currently developing master plans, as well as asset management inventories and software, to facilitate future budgeting and financial planning.

Business Plan Goals, Objectives & Strategies

1. Goal: Treat water for manganese.

Rationale: Water tests over the maximum acceptable concentration limits set by Health Canada.

Strategy: Explore options while continuing to contribute to the capital in anticipation of a future solution. To save costs, a scalable design solution is being explored which can be used by other systems in the Cariboo that are facing similar issues with manganese.

2. Goal: Continue to build up capital reserves to replace infrastructure as needed or recommended by asset management.

Rationale: The system is generally in excellent operating condition; building up capital reserves will ensure we are prepared as infrastructure reaches end of life.

Strategy: Divert more funds to capital reserves.

Estimated Cost: At the Board's discretion.

3. Goal: More staffing to provide a better level of service as well as increased preventative maintenance.

Rationale: Our water systems are operating with below minimum staffing recommendations, as we increase our preventative maintenance and more staff are needed. This will reduce staff turnover and provide an increased level of service.

Strategy: Contribute funds based off system size to the wage of one more

Second Bladder Tank
for Increased Storage
Installed in 2025

operator in the Southern Region.

Estimated Cost: Slightly increased operating costs will lead to overall reduction in reactive maintenance costs in the long run.

Financial Impact

The projected capital reserve for 2026 is \$41,672.

Taxation is collected by way of a parcel tax of \$511.42 per year.

The current residential user fee is \$529 per year and may need to increase in 2026 to meet the growing needs of the system and inflation.



2026 Business Plan Forest Grove Water (1882)

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 Forest Grove Community Water System (FGWS).

Background Information

- The Forest Grove water function was established in 1981 and now services 107 land parcels.
- The system is comprised of two wells, a well house, associated pumps and distribution piping, fire hydrants and two reservoirs.
- In addition to meeting domestic needs, the system provides an adequate quantity of water to aid 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. 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 \$452. No parcel tax is currently being collected for this location. The Forest Grove Water System Specified Area Establishment and Loan Authorization Bylaw No. 1096 provides function authority.

As Electoral Area H 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 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 Forest Grove system include maintaining a chlorine residual.

The Public Sector Accounting Board (PSAB) requires local governments to report and record tangible capital assets. In the future, local governments may also be required to amortize these assets over their useful lives. To support this, the Cariboo Regional District (CRD) is currently developing master plans, as well as asset management inventories and software, to facilitate future budgeting and financial planning.

Business Plan Goals, Objectives & Strategies

1. **Goal:** Build new pumphouse.
Rationale: A new pumphouse is needed to house the required chlorination equipment. There are options for placement of the station that should be investigated.
Strategy: Explore options with a feasibility study.

2. **Goal:** Continue to build up capital reserves to replace infrastructure as needed or recommended by asset management.
Rationale: The system is generally in excellent operating condition; building up capital reserves will ensure we are prepared as infrastructure reaches end of life.
Strategy: Divert more funds to capital reserves.
Estimated Cost: At the Board's discretion.

3. **Goal:** More staffing to provide a better level of service as well as increased preventative maintenance.
Rationale: Our water systems are operating with below minimum staffing recommendations, as we increase our preventative maintenance and more staff are needed. This will reduce staff turnover and provide an increased level of service.
Strategy: Contribute funds based off system size to the wage of one more operator in the Southern Region.
Estimated Cost: Slightly increased operating costs will lead to overall reduction in reactive maintenance costs in the long run.

Overall Financial Impact

The projected capital reserve for 2026 is \$200,000.

No parcel tax is currently being collected for this location.

The current residential user fee is \$452/year and may need to increase in 2026 to match the growing needs of this service and inflation.



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2026 Business Plan Alexis Creek Water (1883)

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 Alexis Creek Community Water System (ACWS).

Background Information

- The Alexis Creek water function was established in 1982 and now services 29 land parcels.
- The system is operated in conjunction with the Central Alexis Creek water system as both systems share 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.



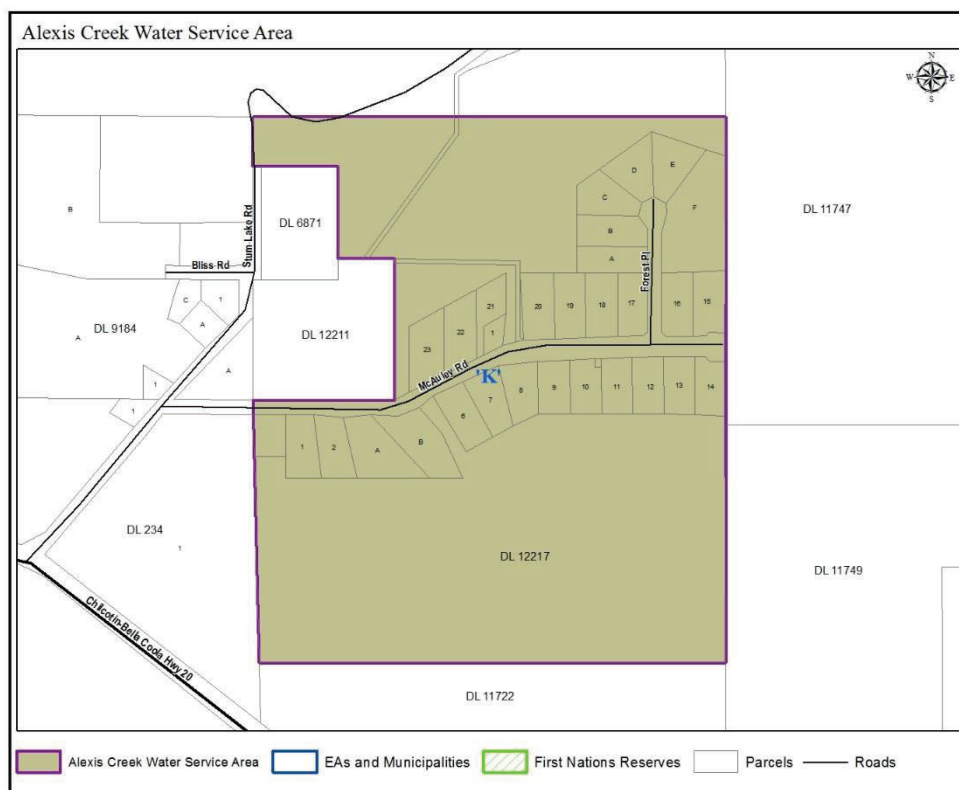
Alexis Creek Reservoir

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. 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 \$548. Taxation is collected by way of a parcel tax of \$186.45. 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

A new pumphouse with SCADA (Supervisory Control and Data Acquisition) is now online.

The Public Sector Accounting Board (PSAB) requires local governments to report and record tangible capital assets. In the future, local governments may also be required to amortize these assets over their useful lives. To support this, the Cariboo Regional District (CRD) is currently developing master plans, as well as asset management inventories and software, to facilitate future budgeting and financial planning.

Business Plan Goals, Rationale & Strategies

1. **Goal:** Continue to build up capital reserves to replace infrastructure as needed or recommended by asset management.

Rationale: The system is generally in excellent operating condition; building up capital reserves will ensure we are prepared as infrastructure reaches end of life.

Strategy: Divert more funds to capital reserves.

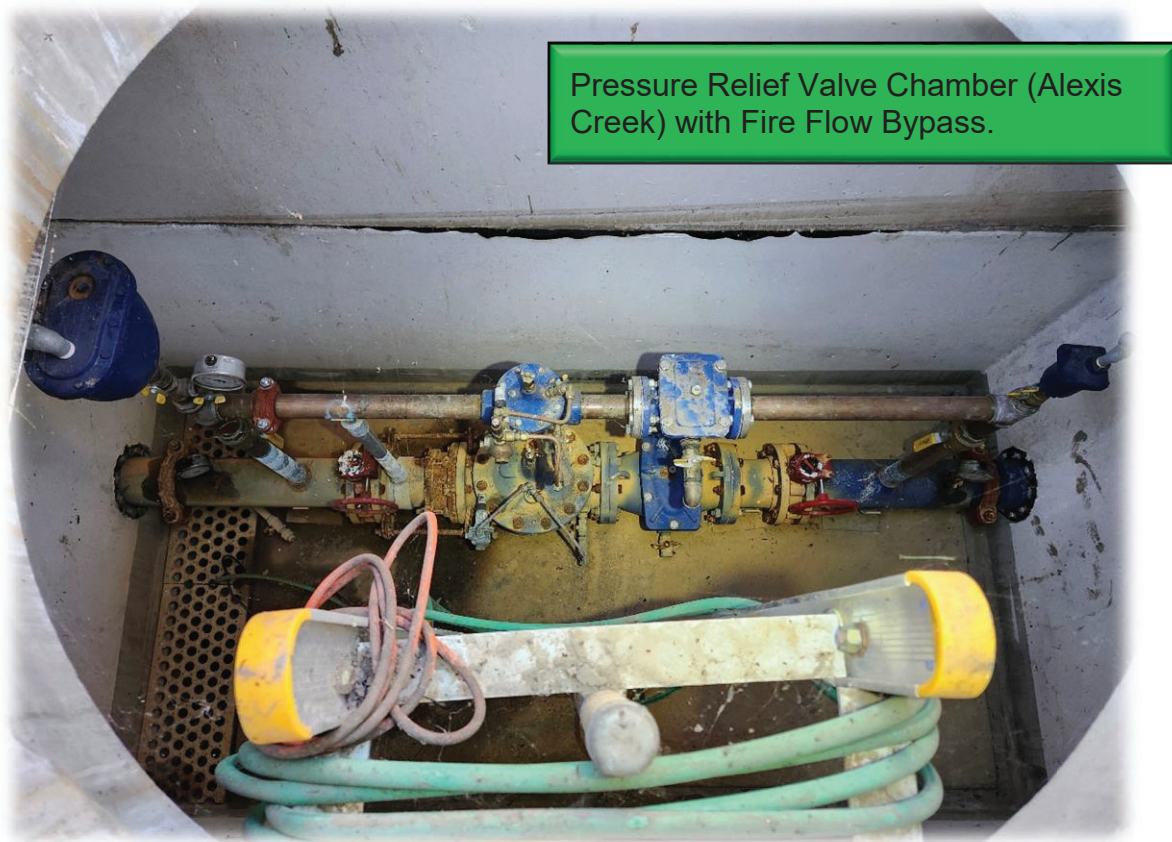
Estimated Cost: At the Board's discretion.

Overall Financial Impact

The projected capital reserve for 2026 is \$67,990.

Taxation is collected by way of a parcel tax of \$186.45 per year.

The current residential user fee is \$548 per year and may need to increase in 2026 to cover inflation.





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2026 Business Plan 108 Mile Water (1884)

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 108 Mile Water System.

Background Information

- The 108 Mile Water function was established in 1988 and 1,402 land parcels are taxed.
- Currently, 1,348 developed land parcels are connected to the water system and charged annual user fees.
- The system is comprised of three wells, a manganese treatment facility, associated booster pumps, 50.2 kilometres of distribution piping, three reservoirs, and 127 fire hydrants.
- In addition to meeting domestic/commercial needs, the system provides an adequate quantity of water to aid 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. As well, new connections are provided to residents in the service area as requested.

Taxation is collected by way of a parcel tax of \$178.32, and a residential rate user fee of \$307. Function authority is provided by the 108 Mile Water Local Service Area Bylaw No. 2436.

The Public Sector Accounting Board (PSAB) requires local governments to report and record tangible capital assets. In the future, local governments may also be required to amortize these assets over their useful lives. To support this, the Cariboo Regional District (CRD) is currently developing master plans, as well as asset management inventories and software, to facilitate future budgeting and financial planning.

Business Plan Goals, Objectives & Strategies

1. **Goal:** Continue to build up capital reserves to replace infrastructure as needed or recommended by asset management.
Rationale: The system is generally in excellent operating condition; building up capital reserves will ensure we are prepared as infrastructure reaches end of life.
Strategy: Divert more funds to capital reserves.
Estimated Cost: At the Board's discretion.

2. **Goal:** More staffing to provide a better level of service as well as increased preventative maintenance.
Rationale: Our water systems are operating with below minimum staffing recommendations, as we increase our preventative maintenance and more staff are needed. This will reduce staff turnover and provide an increased level of service.
Strategy: Contribute funds based off system size to the wage of one more Operator in the Southern Region.
Estimated Cost: Slightly increased operating costs will lead to overall reduction in reactive maintenance costs in the long run.

3. **Goal:** Enhance remote operating and monitoring capabilities.
Rationale: The booster station on the west side of the 108 system currently lacks operational SCADA (remote monitoring), leading to frequent outages and low pressure in the area. Operators often learn about these issues through resident reports.
Strategy: Install a PLC (Programmable Logic Controller) and HMI (Human Machine Interface) with telemetry at the booster station, connecting it to our new SCADA system for improved monitoring and response.



Overall Long-Term Goal for the 108 System

"Hydrant Hysteria" Competition hosted by the AWWA (*American Water & Wastewater Association*).

Hydrant teardown winning crew.
 (Yes, believe it or not, there are very competitive Operator Competitions).

The primary objective for the 108 Water System is to transition from a reactive maintenance approach to a proactive model focused on ongoing maintenance and timely replacement. This strategic shift will ensure the long-term viability of the system while minimizing future expenses. Although short-term costs may rise to facilitate essential upgrades and replace aging infrastructure, this investment will ultimately lead to significant savings and enhanced reliability for our community.



Overall Financial Impact

Funding for the 108 Water System has been secured through a public assent process involving local property parcel taxes and various grants.

The parcel tax is set at \$178.32 per year for each property. In 2025, the residential user fee was established at \$307; however, an increase may be necessary in 2026 to ensure the system's integrity and address inflationary pressures.

As of December 2025, the projected capital reserve stands at \$1,220,260. Currently, the annual debt payment (including principal and interest) for the treatment plant is \$170,533.



2026 Business Plan Russet Bluff Water (1886)

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 Russet Bluff Community Water System.

Background Information

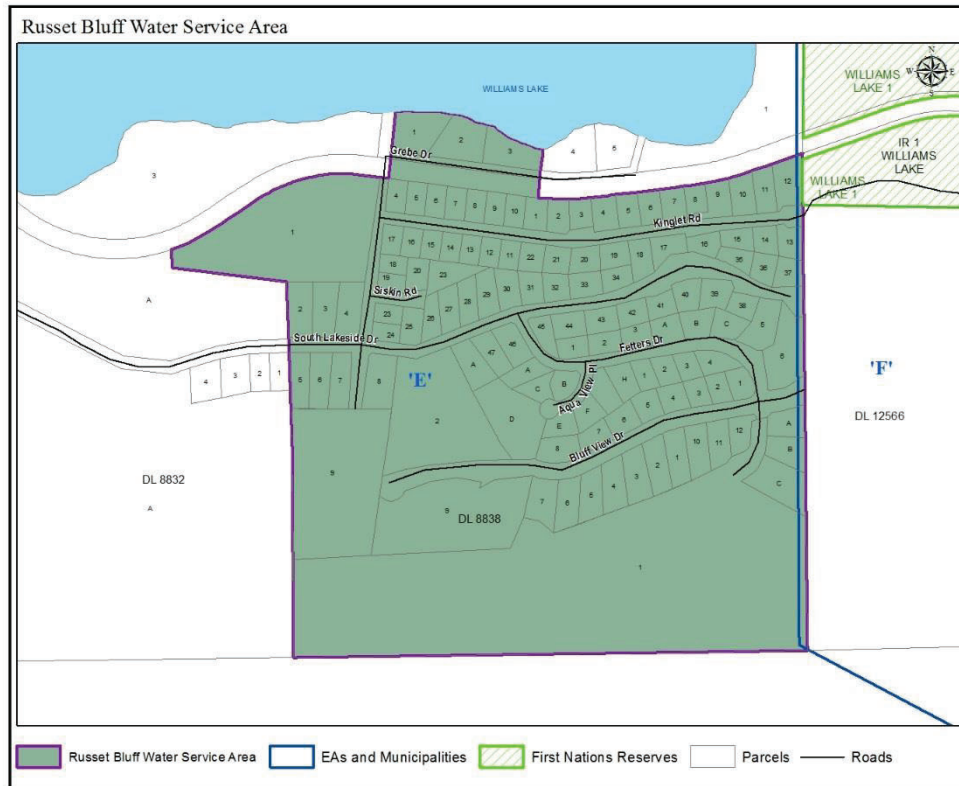
- The Russet Bluff water function was established in 2009 and services 90 land parcels.
- The system is comprised of two wells, two well houses, associated pumps and distribution piping, fire hydrants and one reservoir.

Operations

The water quantity and quality are tested on a regular basis and adjustments to the system made as required. Regular inspection and maintenance of 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

Valve exercising has been completed in Russet Bluff. Going forward, this will be included in the regular schedule and completed by staff.

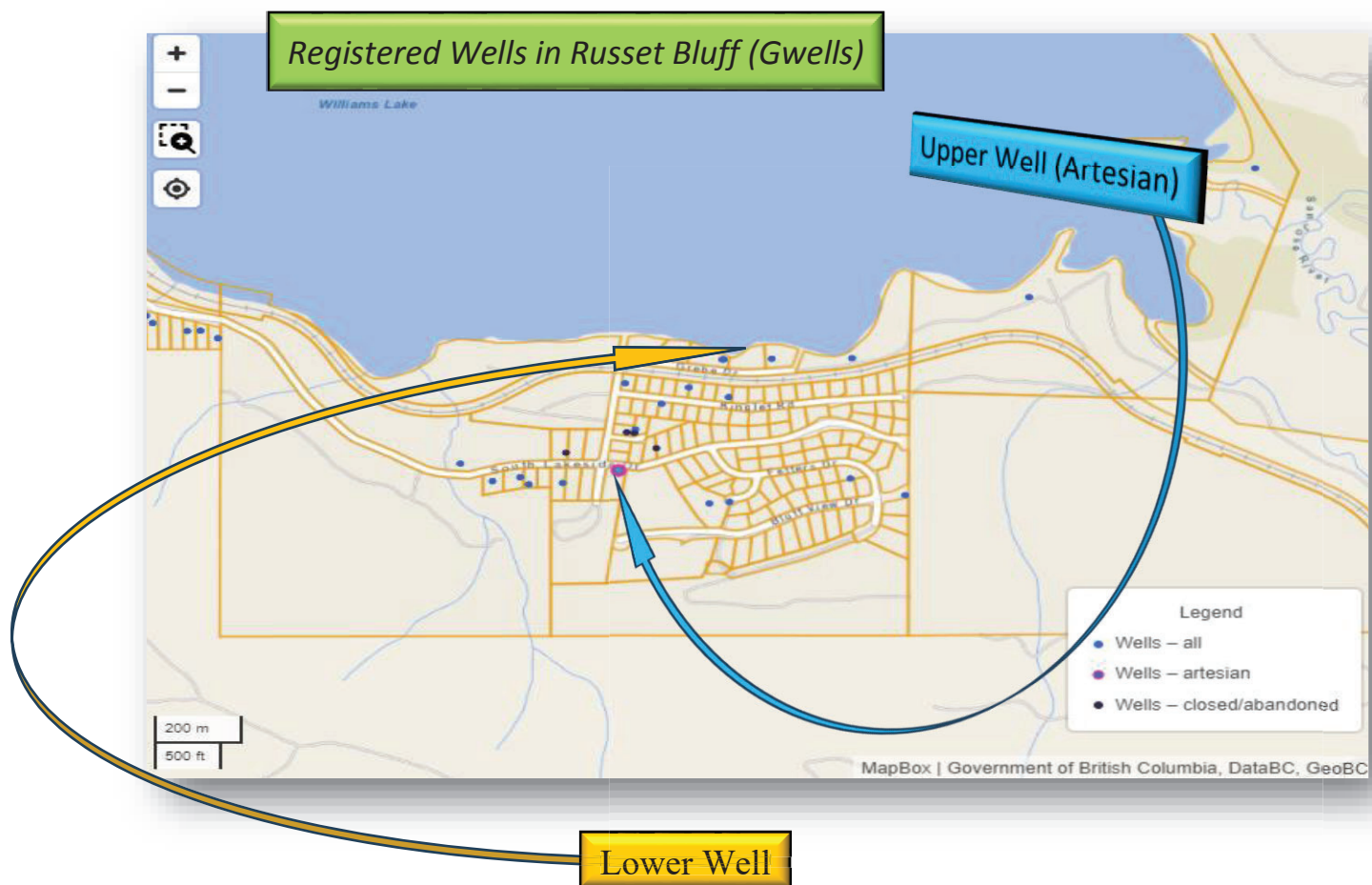
The Russet Bluff water system currently has two wells for supply. The upper well is used most of the year and water quality meets standards. However, in the summer months, it was thought that drawdown in the upper well was such that the lower well needed to be put on-line. This was found not to be the case with testing in 2024; however, in 2025 the lower well was required as the drawdown on the upper well became unsustainable due to residents' water use. The lower well, which has manganese at levels that exceed the Maximum Allowable Concentration (MAC), caused the system to once again be put on a water quality advisory (WQA) later in the summer.

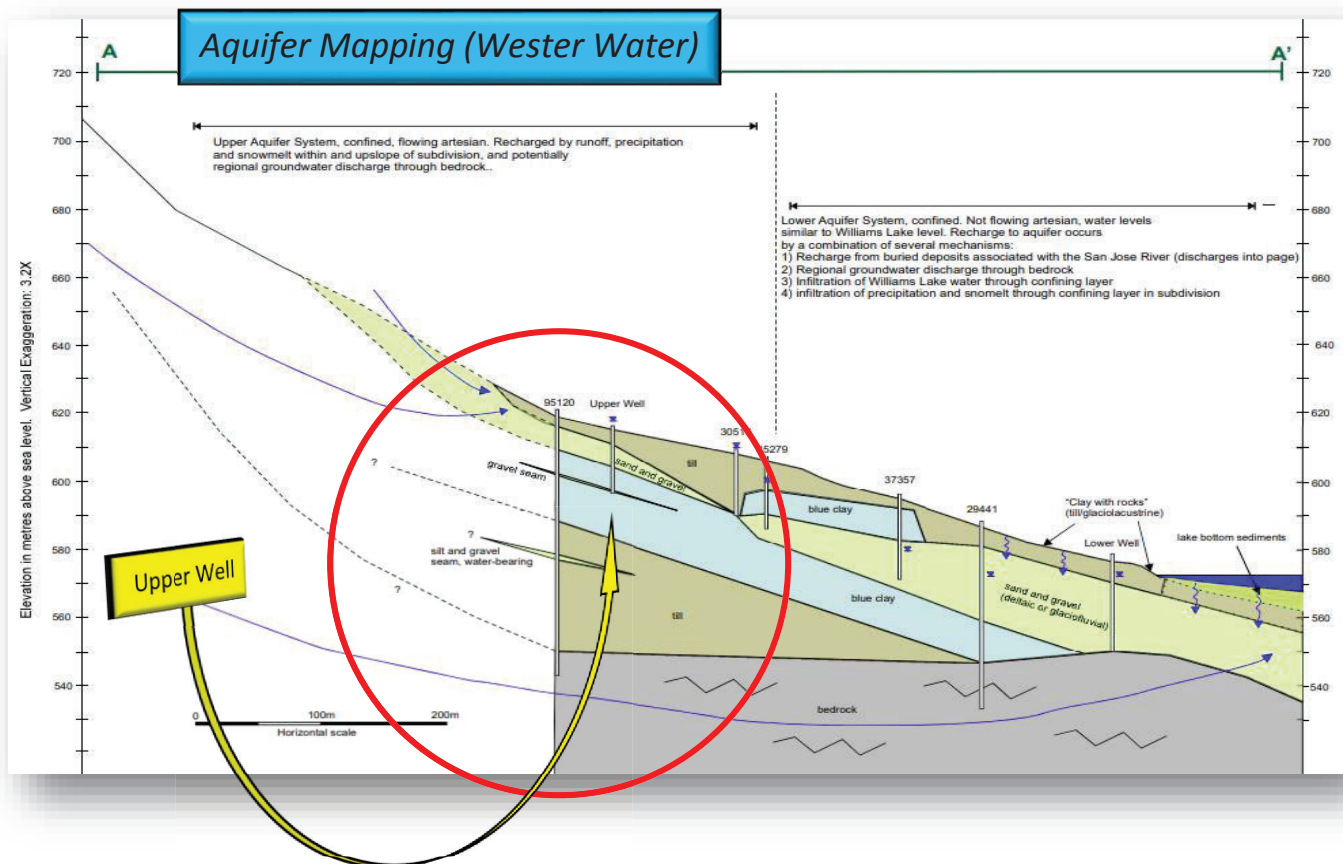
The Public Sector Accounting Board (PSAB) requires local governments to report and record tangible capital assets. In the future, local governments may also be required to amortize these assets over their useful lives. To support this, the Cariboo Regional District (CRD) is currently developing master plans, as well as asset management inventories and software, to facilitate future budgeting and financial planning.

Business Plan Goals, Objectives & Strategies

1. **Goal:** Add SCADA (remote monitoring and control).
Rationale: Currently there is only a general alarm. This can consume operator time unnecessarily.
Strategy: Upgrade (SCADA) Supervisory Control and Data Acquisition by installing communication and hardware.

2. **Goal:** Improve water quality and maintain a chlorine residual.
Rationale: Meet health requirements and prevent potential waterborne illness. Improve overall water quality.
Strategy: Add chlorination and on-line chlorine monitoring, *investigate the feasibility of a new pumphouse and new well*. Assess if there is adequate space in existing pumphouse for chlorination equipment. Research Aquifers for quality and depth to drill for best results outside of GUDI (Groundwater Under Direct Influence of Surface Water) areas for potential secondary well.





- 3. Goal:** Continue to build up capital reserves to replace infrastructure as needed or recommended by asset management.

Rationale: The system is generally in excellent operating condition; building up capital reserves will ensure we are prepared as infrastructure reaches end of life.

Strategy: Divert more funds to capital reserves.

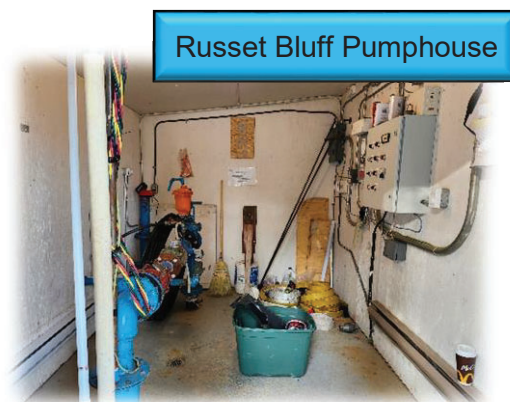
Estimated Cost: At the Board's discretion.

Overall Financial Impact

The projected capital reserve for 2026 is \$81,996.

No parcel tax is currently being collected for this location.

The current residential user fee is \$561 per year, which may increase in 2026 to match inflation.





building communities together

2026 Business Plan Benjamin Water (1887)

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 Benjamin Community Water System.

Background Information

- The Cariboo Regional District acquired the Benjamin water system effective January 1, 2019.
- The system is comprised of a groundwater well, a pump house, associated pumps, reservoir and distribution piping that services 42 parcels.
- 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. Connection changes, such as a new connection, are provided to residents as requested.

Operational costs are collected by way of a user fee set at \$446 per year. Taxation will be collected by way of an annual parcel tax of \$174.02. The Benjamin Water Service Establishment Bylaw No. 5127 and Benjamin Water Loan Authorization Bylaw No. 5128 provide function authority.

As Electoral Area A 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

Northern Health Authority has made recommendations to achieve compliance with the Drinking Water Protection Act and Regulation. Recommendations for the Benjamin water system include:

- 1) Increased monitoring frequency.
- 2) Chlorination and on-line chlorine monitoring.
- 3) Treatment for removal of manganese that exceeds drinking water standards.

The Public Sector Accounting Board (PSAB) requires local governments to report and record tangible capital assets. In the future, local governments may also be required to amortize these assets over their useful lives. To support this, the Cariboo Regional District (CRD) is currently developing master plans, as well as asset management inventories and software, to facilitate future budgeting and financial planning.

Business Plan Goals, Objectives & Strategies

1. **Goal:** Continue SCADA upgrade.

Rationale: Improve work productivity; build on current SCADA upgrades with potential new instrumentation for additional parameters.

Strategy: Upgrade SCADA (Supervisory Control and Data Acquisition).

2. **Goal:** Design and installation of a backup generator (grant dependent).

Rationale: The system does not have an elevated reservoir. When the power is disrupted, the residents do not have access to water.

Strategy: Investigate costs to install a backup generator.

3. **Goal:** Manganese treatment and residual chlorination (grant dependent).

Rationale: The water contains manganese that exceeds drinking water standards.

Strategy: Explore options to fund treatment.

4. **Goal:** Continue to build up capital reserves to replace infrastructure as needed or recommended by asset management.

Rationale: Building up capital reserves will ensure we are prepared as infrastructure reaches end of life.

Strategy: Divert more funds to capital reserves.

Estimated Cost: At the Board's discretion.



*Benjamin Reservoir
lid concrete spalling
(repaired in 2025)*



Overall Financial Impact

The projected capital reserve for 2026 is \$19,029.

Taxation is collected by way of a parcel tax of \$174.02 per year.

The current residential user fee is \$446 per year and may need to increase in 2026 to meet the needs of the system and inflation.





2026 Business Plan Canim Lake Water (1888)

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 Canim Lake Community Water System.

Background Information

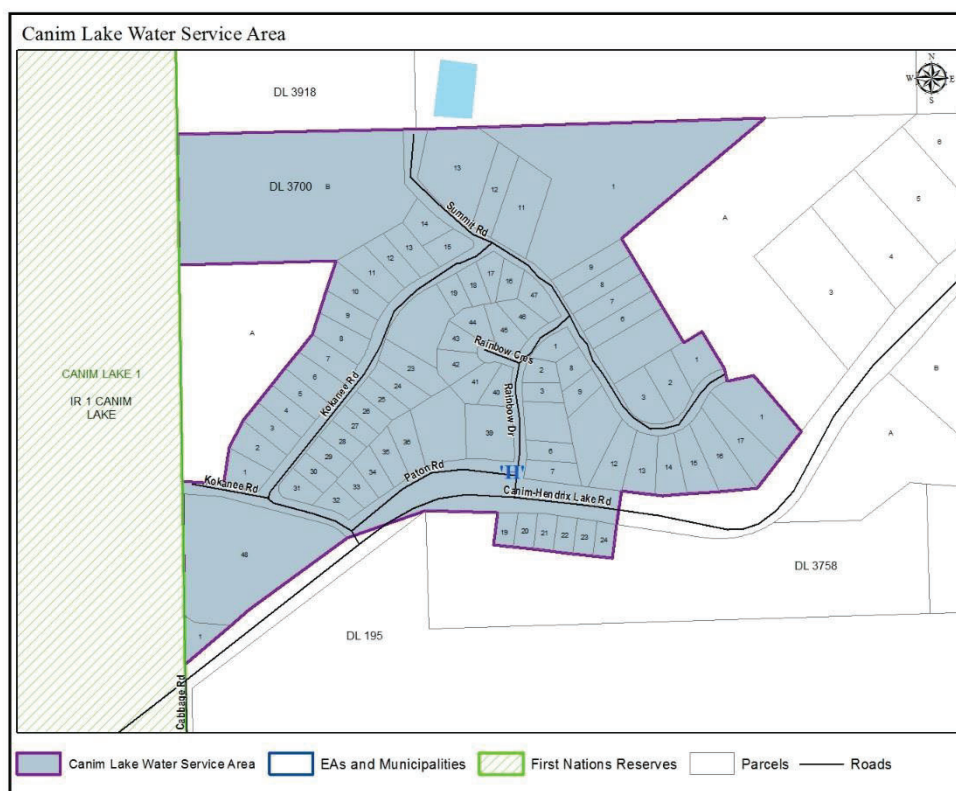
- The Canim Lake water function was established in 2009 and services 71 land parcels.
- The system is comprised of one well, a well house, associated pumps and distribution piping, fire hydrants and two reservoirs.
- In addition to meeting domestic needs, the system provides an adequate quantity of water to aid 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. New connections are provided to residents as requested.

The Canim Lake Water System Specified Area Establishment and Loan Authorization Bylaws No. 4409 and 4410 provide function authority.

As Electoral Area H 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

A bulk water station has been installed in Canim Lake and is currently being brought online. SCADA has been installed in the booster station as planned. Hydrant and valve maintenance has also been completed and will become part of the regular scheduled maintenance going forward.

The Public Sector Accounting Board (PSAB) requires local governments to report and record tangible capital assets. In the future, local governments may also be required to amortize these assets over their useful lives. To support this, the Cariboo Regional District (CRD) is currently developing master plans, as well as asset management inventories and software, to facilitate future budgeting and financial planning.

Canim Lake Pumphouse



Business Plan Goals, Objectives & Strategies

1. **Goal:** Continue to build up capital reserves to replace infrastructure as needed or recommended by asset management.
Rationale: The system is generally in excellent operating condition; building up capital reserves will ensure we are prepared as infrastructure reaches end of life.
Strategy: Divert more funds to capital reserves.
Estimated Cost: At the Board's discretion.

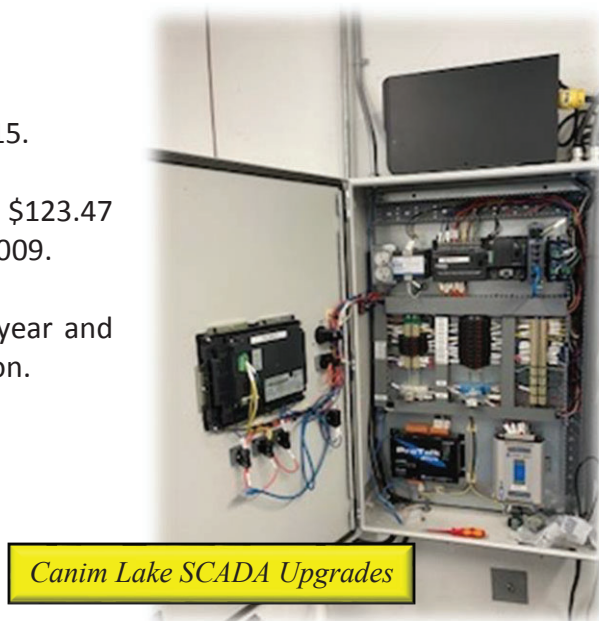
2. **Goal:** More staffing to provide a better level of service as well as increased preventative maintenance.
Rationale: Our water systems are operating with below minimum staffing recommendations, as we increase our preventative maintenance and more staff are needed. This will reduce staff turnover and provide an increased level of service.
Strategy: Contribute funds based off system size to the wage of one more operator in the Southern Region.
Estimated Cost: Slightly increased operating costs will lead to overall reduction in reactive maintenance costs in the long run.

Overall Financial Impact

The projected capital reserve in 2026 is \$65,415.

Taxation is collected by way of a parcel tax of \$123.47 per year and has remained unchanged since 2009.

The current residential user fee is \$769 per year and may need to increase in 2026 to mirror inflation.





2026 Business Plan Horse Lake Water (1889)

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 Horse Lake Community Water System.

Background Information

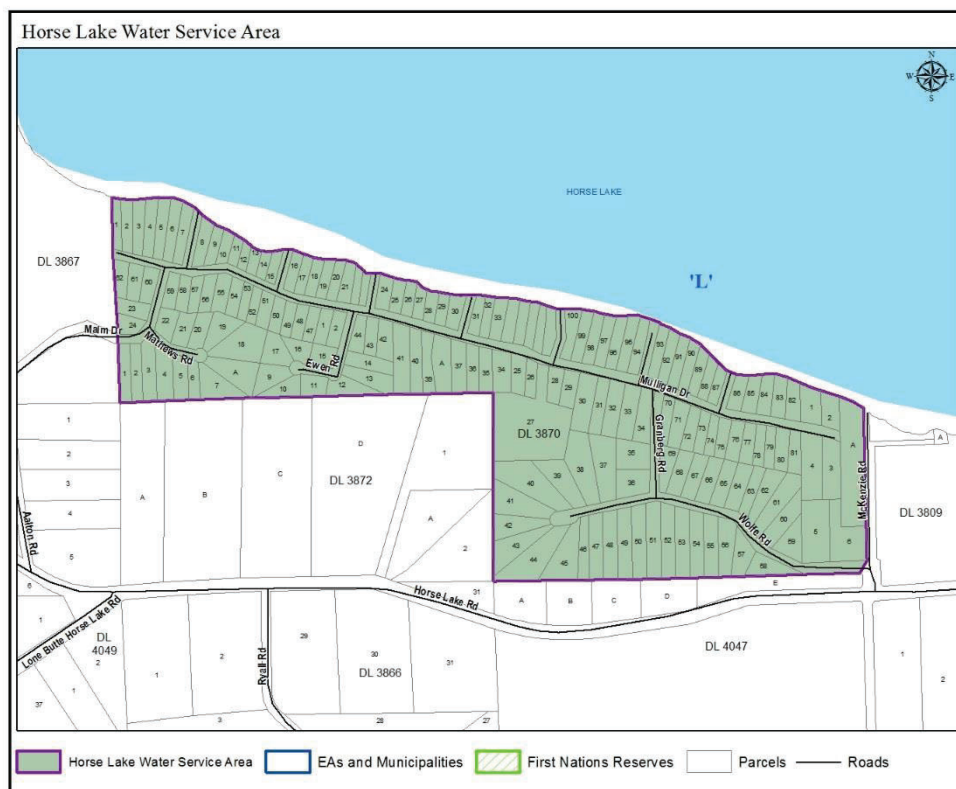
- The Horse Lake water function was established in 2009 and services approximately 174 land parcels.
- The system is comprised of two wells, a well house, associated pumps and distribution piping, fire hydrants and one reservoir.
- In addition to meeting domestic needs, the system does provide some water to aid community fire protection, but the hydrants cannot be recognized by the Fire Underwriters Survey due to system inadequacies.

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. New connections are provided to residents as requested.

Taxation is collected by way of a parcel tax set at \$171.22 and a user fee set at \$357 per year. 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.



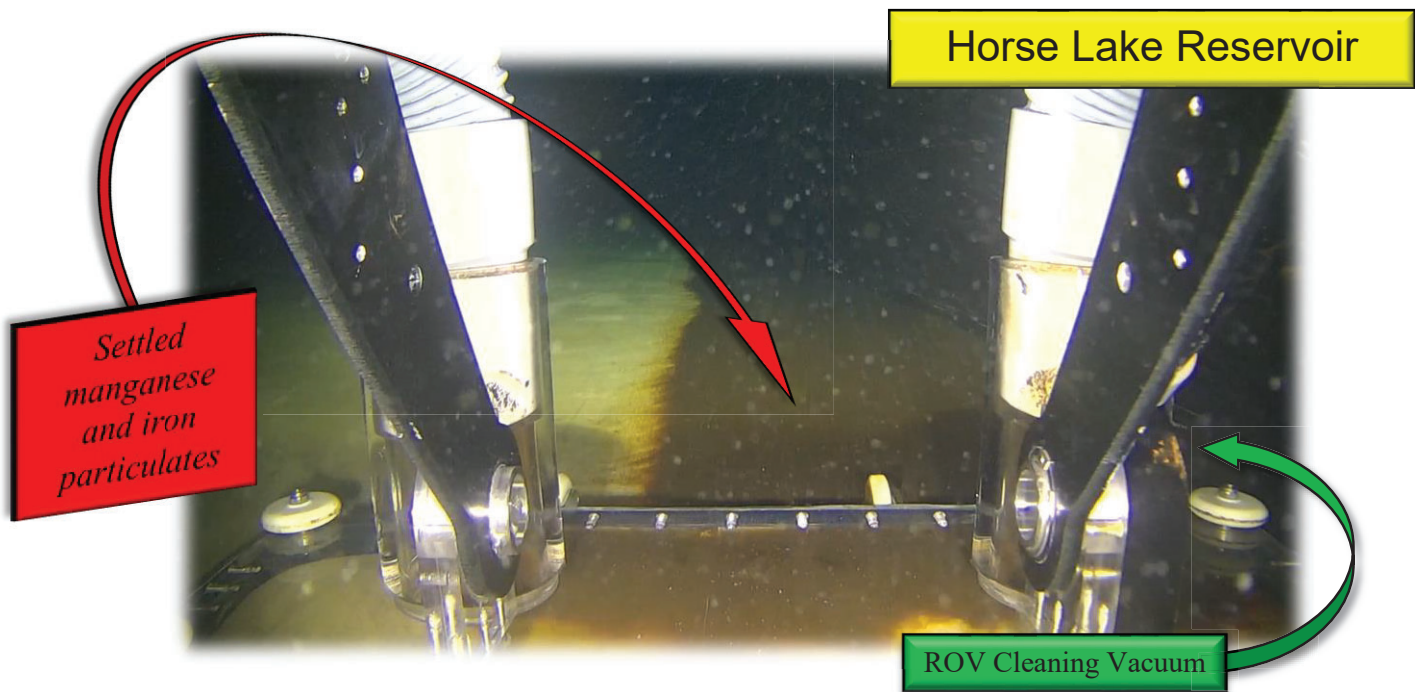
Significant Issues & Trends

The water supply contains manganese at concentrations that exceed drinking water standards. Currently, a design has been tendered and awaits final funding approval at a quoted cost of over 1.1 million dollars.

The Public Sector Accounting Board (PSAB) requires local governments to report and record tangible capital assets. In the future, local governments may also be required to amortize these assets over their useful lives. To support this, the Cariboo Regional District (CRD) is currently developing master plans, as well as asset management inventories and software, to facilitate future budgeting and financial planning.

Horse Lake Wellhead





Business Plan Goals, Rationale & Strategies

1. **Goal:** Start construction of the proposed treatment plant.
Rationale: Release construction of the proposed treatment plant for tender and proceed.
Strategy: Secure funding, begin construction as soon as possible.

2. **Goal:** Continue to build up capital reserves to replace infrastructure as needed or recommended by asset management.
Rationale: Building up capital reserves will ensure we are prepared as infrastructure reaches end of life.
Strategy: Divert more funds to capital reserves.
Estimated Cost: At the Board's discretion.

3. **Goal:** More staffing to provide a better level of service as well as increased preventative maintenance.
Rationale: Our water systems are operating with below minimum staffing recommendations, as we increase our preventative maintenance and more staff are needed. This will reduce staff turnover and provide an increased level of service.
Strategy: Contribute funds based off system size to the wage of one more operator in the Southern Region.
Estimated Cost: Slightly increased operating costs will lead to overall reduction in reactive maintenance costs in the long run.

Overall Financial Impact

The projected capital reserve for 2026 is \$97,269.

Taxation is collected by way of a parcel tax of \$171.22 per year.

The current residential user fee is \$357 per year and may need to increase in 2026 to match the growing needs of this service and cover inflation.



2026 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

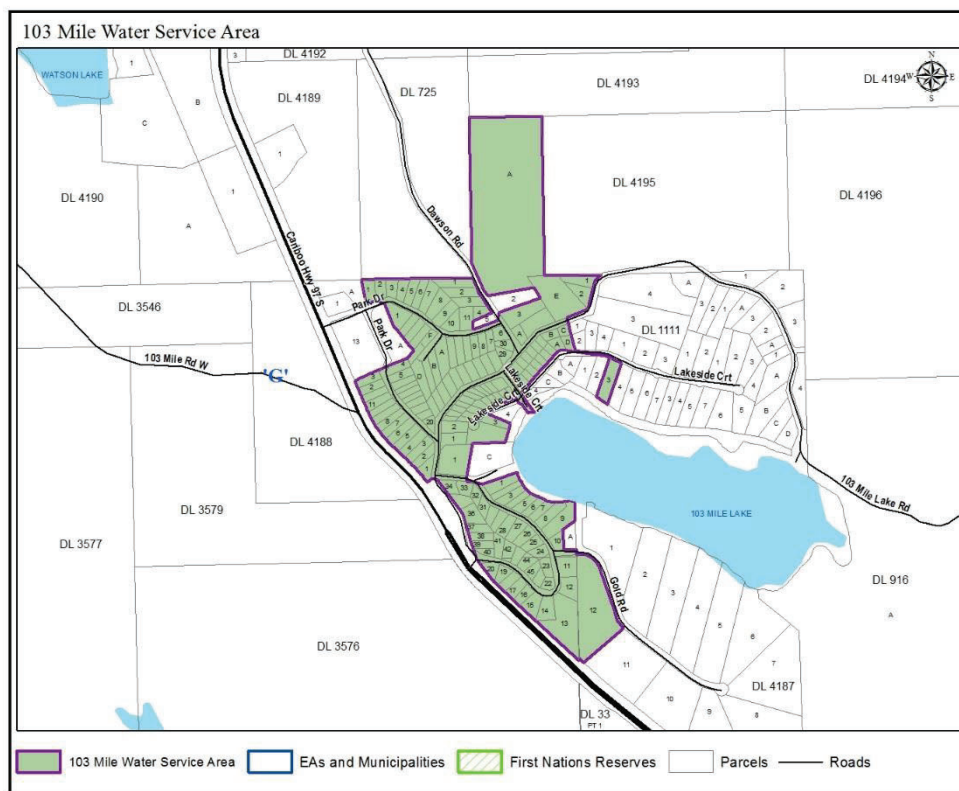
- The 103 Mile Water function was established in 2016 and now services 160 land parcels.
- The system is comprised of two wells, a well house, booster station, associated pumps, reservoir, and distribution piping.
- The system meets domestic needs only and does not provide water for community fire protection.

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.

Taxation is collected by way of a parcel tax initiated in 2017 and set at \$129.16 for 2025. 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. The system is also showing signs of significant water waste through leaks in the services and/or mains.

A long-term solution is 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 (PSAB) requires local governments to report and record tangible capital assets. In the future, local governments may also be required to amortize these assets over their useful lives. To support this, the Cariboo Regional District (CRD) is currently developing master plans, as well as asset management inventories and software, to facilitate future budgeting and financial planning.

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:** Build up capital reserves to replace infrastructure as needed or recommended by asset management.
Rationale: Building up capital reserves will ensure we are prepared as infrastructure reaches end of life.
Strategy: Divert more funds to capital reserves.
Estimated Cost: At the Board’s discretion.

4. **Goal:** Main replacement program to address leakage in the system.
Rationale: Wasted water is wasted dollars. Leaks are also a sign of potential failure of parts of the system.
Strategy: Build capital reserves, finish master plan.
Estimated Cost: \$2 – 6 million.

Overall Financial Impact

The projected capital reserve for 2026 is \$121,603.

Taxation is collected by way of a parcel tax of \$129.16 per year.

The current residential user fee is \$433 and should increase in 2026 to match the growing needs of this service and cover inflation.



2026 Business Plan Lexington Water (1891)

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 Lexington Community Water System.

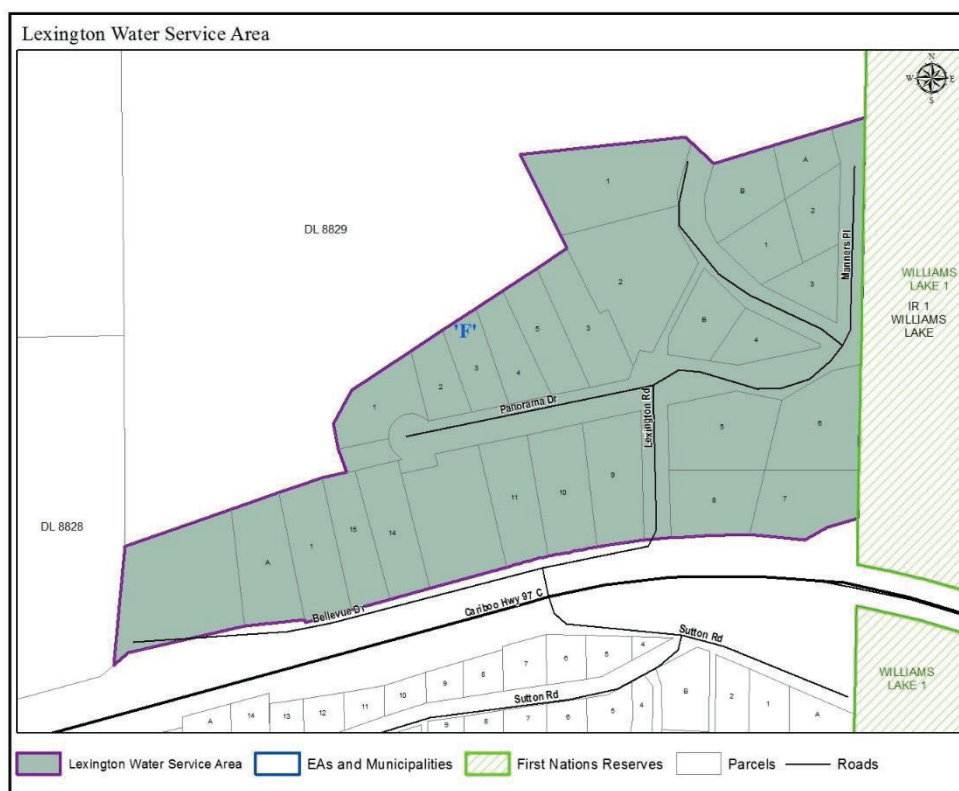
Background Information

- The Cariboo Regional District acquired the Lexington water system effective January 1, 2019.
- The system was comprised of a lake intake, a pumphouse, associated pumps, reservoir, and distribution piping that services 28 parcels.
- The system meets domestic needs only and does not provide water for community fire protection.

Operations

Operational costs are collected by way of a user fee set at \$1,078 per year. Taxation will be collected by way of an annual parcel tax of \$417.59 for 2025, that began in 2019. The Lexington Water Service Establishment Bylaw 5084 and Lexington Water Loan Authorization Bylaw No. 5085 provide function authority.

As Electoral Area F 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 Public Sector Accounting Board (PSAB) requires local governments to report and record tangible capital assets. In the future, local governments may also be required to amortize these assets over their useful lives. To support this, the Cariboo Regional District (CRD) is currently developing master plans, as well as asset management inventories and software, to facilitate future budgeting and financial planning.

Business Plan Goals, Objectives & Strategies

1. **Goal:** Continue to build up capital reserves to replace infrastructure as needed or recommended by asset management.
Rationale: The system is generally in excellent operating condition; building up capital reserves will ensure we are prepared as infrastructure reaches end of life.
Strategy: Divert more funds to capital reserves.
Estimated Cost: At the Board's discretion.



Overall Financial Impact

The projected capital reserve for 2026 is \$26,887.

Taxation is collected by way of a parcel tax of \$417.59.

The current residential user fee is \$1,078 per year.