



Regional District of Central Kootenay
WATER SERVICES COMMITTEE
Open Meeting Agenda

Date: Thursday, October 8, 2026
Time: 9:00 am
Location: Hybrid Model - In-person and Remote

Directors will have the opportunity to participate in the meeting electronically. Proceedings are open to the public.

Pages

1. ZOOM REMOTE MEETING INFO

To promote openness, transparency and provide accessibility to the public we provide the ability to attend all RDCK meetings in-person or remote (hybrid model).

Meeting Time:

9:00 a.m. PST

Join by Video:

<https://rdck-bc-ca.zoom.us/j/94251587997?pwd=lcttqVxsmjwxAZTmptO2CWlt27wI.1>

Join by Phone:

833 955 1088 Canada Toll-free

*6 to unmute or mute

*9 to raise or lower your hand

Meeting ID: 942 5158 7997

Passcode: 285704

In-Person Location: RDCK Boardroom, 202 Lakeside Drive, Nelson

2. CALL TO ORDER & WELCOME

Chair Newell to call the meeting to order at _____ a.m.

2.1 TRADITIONAL LANDS ACKNOWLEDGEMENT STATEMENT

We acknowledge and respect the Indigenous peoples within whose traditional lands we are meeting today.

2.2 ADOPTION OF THE AGENDA

RECOMMENDATION:

The agenda for the October 8, 2026 Water Services Committee meeting be adopted as circulated.

2.3 RECEIPT OF MINUTES

4 - 7

The August 5, 2026 Water Services Committee meeting minutes, have been received.

3. STAFF REPORTS

3.1 FOR INFORMATION: OPERATIONS, MAINTENANCE AND CAPITAL UPDATE

8 - 15

The Committee Report from Alexandra Divlakovski, Water Operations Manager providing an update to the Committee and highlighting the larger maintenance and capital projects completed to date in 2026, has been received.

3.2 FOR INFORMATION: DRAFT 2027 CAPITAL PROJECT PLAN

16 - 22

The Committee Report from Alexandra Divlakovski, Water Operations Manager providing a summary of proposed 2027 water utility capital projects, has been received.

3.3 FOR INFORMATION: WATER AND WASTEWATER SYSTEMS ACQUISITION UPDATE

23 - 25

The Committee Report from Chris Gainham, Utility Services Manager providing an update on system acquisitions, has been received.

3.4 LISTER WATER SYSTEM - PROPOSED CEMETERY WATER RATE

26 - 31

The Committee Report from Chris Gainham, Utility Services Manager regarding an amendment to the Utilities Rates, Fees and Charges Bylaw No. 3077 to establish an annual flat-use water rate of \$100 for the Lister Community Cemetery and All Saints Cemetery, has been received.

RECOMMENDATION:

That the Board direct staff to amend the Utilities Rates, Fees and Charges Bylaw No. 3077 to establish an annual flat-use water rate of \$100 for the Lister Community Cemetery and All Saints Cemetery, effective January 1, 2027.

- 3.5 FOR INFORMATION: ERICKSON WATER METERING - PUBLIC ENGAGEMENT FOLLOW-UP** 32 - 60
- The Committee Report from Chris Gainham, Utility Services Manager regarding an update on the Public Information Session for the Erickson Universal Water Metering Program held on Monday July 20, 2026 as requested by Directors, has been received.
- This report was previously received at the September 3, 2026 Creston Valley Services Committee meeting.
- 3.6 FOR INFORMATION: SERVICE ESTABLISHMENT BYLAW AMENDMENTS** 61 - 72
- The Committee Report from Eileen Senyk, Water Services Liaison providing information regarding recommended bylaw amendments that will be brought forward at the October 21, 2026 Rural Affairs Committee meeting, has been received.
- 3.7 VILLAGE OF SALMO - OUT OF BOUNDARY WATER AND SEWER CONNECTION** 73 - 76
- The Committee Report from Chris Gainham, Utility Services Manager requesting consent for the Village of Salmo to provide municipal water and sewer services to an out of boundary property located at #5 Second Street, Salmo, has been received.

RECOMMENDATION:

The Regional District of Central Kootenay consent to the Village of Salmo providing water and sewer services to #5 Second Street, Salmo (PID: 028-060-636).

4. PUBLIC TIME

The Chair will call for questions from the public and members of the media at _____ a.m./p.m.

5. ADJOURNMENT

RECOMMENDATION:

The Water Services Committee meeting adjourn at _____ a.m./p.m.



REGIONAL DISTRICT OF CENTRAL KOOTENAY

WATER SERVICES COMMITTEE OPEN MEETING MINUTES

A Water Services Committee meeting was held on Wednesday, August 5, 2026 at 9:00 a.m. PST through a hybrid meeting model.

COMMITTEE MEMBERS PRESENT

Director G. Jackman	Area A	In-Person
Director R. Tierney	Area B	In-Person
Director K. Vandenberghe	Area C	
Director A. Watson	Area D	
Director C. Graham	Area E	
Director T. Newell	Area F (2026 Committee Chair)	In-Person
Director H. Cunningham	Area G	In-Person
Director W. Popoff	Area H	In-Person
Director H. Hanegraaf	Area J	
Director T. Weatherhead	Area K	In-Person
Councillor D. Dumas	Town of Creston	

STAFF

U. Wolf	General Manager of Environmental Services
C. Gainham	Utility Services Manager
E. Clark	Meeting Coordinator

11 out of 11 voting Commission/Committee members were present – quorum was met.

1. ZOOM REMOTE MEETING INFO

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Join by Video:

<https://rdck-bcca.zoom.us/j/94251587997?pwd=lcttgVxsmjwxAZTmptO2CWLt27wICl.1>

Join by Phone:

833 955 1088 Canada Toll-free

Meeting ID: 942 5158 7997

Passcode: 285704

In-Person Location: RDCK Boardroom, 202 Lakeside Drive, Nelson BC

2. CALL TO ORDER

Chair Newell called the meeting to order at 9:00 a.m.

2.1 TRADITIONAL LANDS ACKNOWLEDGEMENT STATEMENT

We acknowledge and respect the indigenous peoples within whose traditional lands we are meeting today.

2.2 ADOPTION OF AGENDA

MOVED and seconded,
And Resolved:

The Agenda for the August 5, 2026 Water Services Committee meeting, be adopted as circulated.

Carried

2.3 RECEIPT OF MINUTES

The April 1, 2026 Water Services Committee minutes, have been received.

DIRECTOR PRESENT: Director Cunningham joined the meeting at 9:05 a.m.

3. STAFF REPORTS

3.1 FOR INFORMATION: OPERATIONS, MAINTENANCE AND CAPITAL PROJECT UPDATE

The Committee Report dated July 30, 2026 from Alexandra Divlakovski, Water Operations Manager providing an update to the Committee, and highlighting the larger maintenance and capital projects completed to date in 2026, has been received.

3.2 FOR INFORMATION: WATER QUALITY REPORT

The Committee Report dated August 5, 2026 from Nathalie Nick, Environmental Coordinator summarizing the water advisories issued from January 1, 2026, to June 30, 2026 for water systems operated by the Regional District, has been received.

3.3 VERBAL REPORT: GRANT OPPORTUNITIES UPDATE

Chris Gainham, Utility Services Manager will provide a verbal update on the challenges finding and securing grant funding for water projects.

Staff reported on the continued challenges in grant funding for water system infrastructure renewal. For example, the Build Communities Strong Fund - Local Impact Stream provides funding for shovel-ready projects asking for \$125,000 to \$1 million per project up to 50% of eligible project costs (suitable for the readiness, scale and matching contributions of many of our small water system projects), however, further communication with the grant provider clarified that this stream is not intended for grey infrastructure projects, including water systems. Staff continue to search for suitable grant funding streams that can support sustainable lifecycle asset replacement in many of our aging water systems.

Upcoming Community Works Fund Applications scheduled for the August board meeting include the Burton Water Main Replacement Project - \$200K CW grant request and Fauquier Water Main Replacement Project – also a \$200K grant request.

3.4 VERBAL REPORT: SYSTEM ACQUISITION UPDATE

Chris Gainham, Utility Services Manager will provide a verbal update on water system acquisitions including the Robson Raspberry Improvement District, Taghum Improvement District and Armstrong Bay Improvement District.

The RDCK is currently working with three water systems who have submitted Expressions of Interest to become a RDCK water service:

Robson Raspberry Improvement District (RRID)

On January 14, 2026 a public information session was held regarding the potential acquisition of the Robson Raspberry Improvement District (RRID) water system a public information session was held regarding the potential acquisition of the Robson Raspberry Improvement District (RRID) water system. Approximately 120 members of the public attended, with presentations covering the RDCK acquisition process and the condition, risks, asset renewal needs and financial position of the water system. Discussion focused on the long-term sustainability of the system, including infrastructure needs, operator recruitment and retention challenges, and volunteer Board capacity. The RRID undertook a survey of water system users in March 2026 to gauge support for proceeding with the acquisition process – out of 180 votes returned, 160 (89%) were in favour of continuing with the acquisition process. RDCK staff are currently competing work on a draft asset management plan for RRID that will inform the development of a draft financial plan for the system. Site visits and a walk-through of RRID treatment and distribution system infrastructure is planned before end of summer.

Taghum Improvement District (TID)

On June 10, 2026 the RDCK presented to the Taghum Improvement District water system users regarding the acquisition process. Taghum Improvement District completed a community survey to gauge support to move forward with the acquisition process – votes from users were 89% in favour of continuing with the process. RDCK staff are currently competing work on compiling asset information for the system, developing a draft asset management plan for TID that will inform the development of a draft financial plan for the system.

Armstrong Bay Improvement District

On August 4, 2026 RDCK staff met with Trustees from the Armstrong Bay Improvement District to discuss the acquisition process, better understand their infrastructure and challenges and to provide the Trustees with information that they could communicate at a planned AGM. The next step is for RDCK staff and Armstrong Bay Trustees to determine a suitable date and venue for a public information meeting.

DIRECTION TO STAFF – Director Graham requests that staff provide a written report on System Acquisition Updates going forward.

3.5 REGIONAL WATER AND WASTEWATER SUSTAINABILITY FRAMEWORK - GUIDANCE TOOLS FOR SUPPORTING THIRD PARTY WATER AND WASTEWATER SYSTEMS, INCLUDING COMMUNITY WORKS FUNDING

The Committee Report dated August 5, 2026 from Chris Gainham, Utility Services Manager regarding the development of a Regional Water and Wastewater Sustainability Framework that establishes guidance tools for supporting third party water and wastewater systems, including community works funding, has been received.

MOVED and seconded,
And resolved that it be recommended to the Board:

That the Board direct staff to develop a Regional Water and Wastewater Sustainability Framework that establishes the governance, principles, eligibility criteria, evaluation methodology, planning requirements and decision-making framework under which the RDCK may consider providing administrative, technical and financial support to non-RDCK water and wastewater systems, including consideration of Community Works Fund investments in eligible third-party water and wastewater infrastructure projects that demonstrate regional benefit and align with Board priorities.

Carried

4. PUBLIC TIME

The Chair called for questions from the public at 10:15 a.m.

No questions from the public.

3. ADJOURNMENT

MOVED and seconded,
And Resolved:

The Water Services Committee meeting adjourn at 10:15 a.m.

Carried

APPROVED BY

Director T. Newell, Chair



Committee Report

Date of Report: September 25, 2026
Date & Type of Meeting: October 8, 2026, Water Services Committee
Author: Alexandra Divlakovski, Water Operations Manager
Subject: OPERATIONS MAINTENANCE AND CAPITAL UPDATE
File: 11-5700-01-2026
Electoral Area/Municipality All Areas

SECTION 1: EXECUTIVE SUMMARY

The purpose of this report is to provide an update to the Committee and highlight the larger maintenance and capital projects completed to date in 2026.

SECTION 2: BACKGROUND/ANALYSIS

Please note: there will be a delay of some Capital Projects due to Project Management staff availability.

This report does not necessarily include annual preventative maintenance. Examples of preventative maintenance include: equipment oil changes, distribution system flushing, distribution valve exercising, daily/weekly system checks, hydrant inspections, vegetation care and fleet management.

Abbreviations:

DCVA – Double Check Valve Assembly
HMI – Human Machine Interface
MIT – Membrane Integrity Testing
PLC – Programmable Logic Controllers
HVAC – Heating, Ventilation, Air Conditioning
SCADA – Supervisory Control And Data Acquisition
SRoW – Statutory Right-of-Way
WTP – Water Treatment Plant
RFP – Request for Proposal
UVT – Ultraviolet Transmittance
BoD – Board of Directors

WATER EAST

Arrow Creek

Operations and Maintenance

- All 4 Membrane Filter Trains are failing MITs. Operators will begin repairs on Train 1 this fall.
- Recovery Cleans and tank cleaning set for November 2026 on all 4 Trains.
- Instrumentation and portable chlorine and turbidity testing kit inspection, calibration and maintenance completed early July.

- Inspection and maintenance completed by Troy Fire Safety on the WTP fire suppression system.
- WTP Air Compressors to be inspected and any maintenance required completed by October 2026.
- HVAC system and roof vents require inspection and maintenance in early October 2026.
- Intake ponds to be drained and cleaned October 2026.

Capital

- 70% design drawings completed by consultant for planned intake upgrades.
- Consultant to inspect pond lining for integrity when the intake ponds are drained.

Ongoing Considerations

The Arrow Creek water treatment plant has historically reached maximum emergency rated capacity in high demand months (July-August). **Note: demand reduction presumably from leak repairs attributed to the Erickson metering project have resulted in unprecedented production downtime at the WTP during the summer months.

Erickson

Operations and Maintenance

- Locating service valves and works with contractors and Project Manager staff for properties of all 5 contract packages for Phase 2 meter installations.
- Installing new valves and separating/re-servicing different properties in scenarios where they share the same service line from the water main.
- Contractor will complete trenchless (directional drilling) in new road crossings for several properties that are currently serviced from a neighboring property.

Capital

- Awarded contracts are averaging 3 meter/pits per day.
- Phase 1 universal metering installation for all new tandem meter/pits is completed, with the exception of 13 properties that require significant servicing work that will be completed in early 2027.
- Approx. 200 installations for Phase 2 universal metering have been completed.
- Project to re-service 6 properties and relocated water main in road right-of-way will be completed this fall.
- Some Phase 2 properties have had delayed meter installations to accommodate agricultural use timelines (i.e. harvesting).
- Trenchless installation of 2 new road crossings on Highway 3 that will reservice 6 properties off water main relocated from private land to road right-of-way.

Ongoing Considerations

Asbestos cement and steel pipe sections of distribution system require replacement and/or relocation off private land.

Lister

Operations and Maintenance

- Plans to directional rill in a new road crossing under 14th St to eliminate an old deteriorating 2" main servicing 2 properties, which has been repaired twice in 2026.

Capital

- Design for the water main project replacing approximately 800m of 2" water main with 4" HDPE or PVC along 16th street is near completion.

Ongoing Considerations

No irrigation privileges beyond 1 acre of domestic irrigation are allowed in Lister due to the existing high demand of the system as compared to what the groundwater well can produce.

Riondel

Operations and Maintenance

- Both chlorine analyzers (WTP and post-reservoir) have new sensors installed and are holding calibration.
- Indian Creek Dam and Intake cleaning and inspection was completed end of August.
- Intake cleaning requires flushing of the pipe from the intake down to the WTP. Unfortunately, when this was completed, small pieces of cones entered the AMIAD pre-filter causing internal component malfunction. Without the AMIAD, the WTP stops production, which led to the reservoir draining. To reinstate water supply, the WTP was bypassed, resulting in a Boil Water Notice being issued. Several key components of the pre-filter were replaced and the bypass was disengaged. Distribution system flushing and follow-up testing was completed to ensure potability of water. Boil water was rescinded in the beginning of September.

Capital

- 1 of 2 overhead heaters replaced and both will be connected to a new programable thermostat.
- Investigation/planning for the repair of cement spalling on the Indian Creek Dam and intake, also looking at any further repairs or changes to the intake structure that is needed.
- Membranes will be replaced in mid-fall once water demand has lowered.

Ongoing Considerations

The golf course is a large water consumer and the system would benefit from the golf course securing a separate water source. A water license was issued January 31, 2025, to the Riondel Golf Club Society for 47,750 m3/year from Kootenay Lake.

Sanca

Operations and Maintenance

- Nothing significant in the reporting period.

Capital

- Bylaw No. 2665 has been adopted, removing the two northernmost parcels from the Sanca Water Service Area. As a transitional measure, the RDCK is temporarily continuing water supply to the affected properties while the owner pursues an alternate water source. The owner has submitted a request for financial assistance toward establishing the alternate supply, which will be brought forward to the Sanca Community Advisory Committee for consideration this fall. Subject to the necessary approvals, transition to the alternate water source is anticipated in 2027.

Ongoing Considerations

This system remains on a long-term Boil Water Notice. Proposed borrowing for a water treatment plant was presented to the community in 2016, however, it was not approved.

WATER WEST

Balfour

Operations and Maintenance

- Major leak on raw transmission line identified as check valve in pumphouse, replacement ordered and will be installed this fall.
- New UVT analyzer purchased and installed; however, probe failed immediately and has been sent back to manufacturer for warranty evaluation.

Capital

- Secondary water source water treatment plant design to be completed this fall, with construction anticipated early next year.

Ongoing Considerations

New secondary water source in development.

Burton

Operations and Maintenance

- Bi-annual temporary chlorination in place Sept. 23 – Oct. 14 per the adopted Water Quality Action Plan.

Capital

- Construction of new water main replacing 233 m of 6" asbestos cement is underway and is expected to be completed early this fall.

Ongoing Considerations

The system is on a long-term Water Quality Advisory due to historical water quality concerns. The groundwater source may be considered Groundwater at Risk of Containing Pathogens (GARP) virus only as it is within the 300m setback from a source of probable viral contamination. GARP virus only wells are identified as requiring 4-log reduction of viruses (disinfection) and zero total and fecal coliforms per Provincial treatment guidelines.

Duhamel

Operations and Maintenance

- All fire hydrants within the water system were serviced.

Capital

- No capital work was completed during this reporting period.

Ongoing Considerations

A significant portion of the distribution system is located on private land. Asbestos cement pipe within the distribution system requires replacement.

Edgewood

Operations and Maintenance

- Nothing significant in the reporting period.

Capital

- Design drawings for PN03 (Kilarney Crescent) water main replacement project are 50% complete.

Ongoing Considerations

Asbestos cement pipe within the distribution system requires replacement.

Fauquier

Operations and Maintenance

- PLC hardware failure at WTP required a new PLC module that was ordered and installed.
- New free chlorine analyzer purchased and installed for post reservoir monitoring.

Capital

- Construction of the water main replacement project along Oak and Willow Street is near completion.

Ongoing Considerations

Asbestos cement pipe within the distribution system requires replacement. UV disinfection was required by Interior Health at the time of treatment plant construction but at a later date.

Grandview

Operations and Maintenance

- Leak inside WTP caused damage to electronics, resulting in a failed router that had to be replaced.
- Ongoing leak repairs within the WTP due to substandard construction and minimal room to correct piping issues.

Capital

- No capital work was completed during this reporting period.

Ongoing Considerations

A higher occupancy rate for this system would improve financial sustainability.

Rosebery

Operations and Maintenance

- Nothing significant in the reporting period.

Capital

- No capital work was completed during this reporting period.

Ongoing Considerations

A higher occupancy rate for this system would improve financial sustainability.

South Slocan

Operations and Maintenance

- Nothing significant in the reporting period.

Capital

- Project to replace section of PN18/PN20 water main and valve cluster has been awarded to JY Contracting. Project to be completed this fall.

Ongoing Considerations

The distribution system is comprised of aged materials and likely has significant leakage.

Woodland Heights

Operations and Maintenance

- A high level of irrigation during the summer months caused the well pump to operate non-stop for days to maintain reservoir levels.

Capital

- No capital work was completed during this reporting period.

Ongoing Considerations

Per capita consumption during summer months is highest in this system, and repeated reminders of adherence to Water Conservations Measures are necessary.

Woodbury

Operations and Maintenance

- Nothing significant in the reporting period.

Capital

- No capital work was completed during this reporting period.

Ongoing Considerations

System is meeting filtration deferral criteria and reporting requirements that are required to operate without accredited filtration.

West Robson

Operations and Maintenance

- All fire hydrants within the water system were serviced.

Capital

- Broadwater Road casing pipes installed for future water main replacement project.

Ongoing Considerations

Asbestos cement pipe in the distribution system requires replacement.

Ymir

Operations and Maintenance

- Two new services were connected to the distribution system.

Capital

- No capital work was completed during this reporting period.

Ongoing Considerations

ATCO is planning a logging development in the Ymir Water System watershed. The RDCK is working with ATCO and the Ymir community on this issue.

SECTION 3: DETAILED ANALYSIS

3.1 Financial Considerations – Cost and Resource Allocations:

Included in Financial Plan:	☐ Yes	☐ No	Financial Plan Amendment:	☐ Yes	☐ No
Debt Bylaw Required:	☐ Yes	☐ No	Public/Gov't Approvals Required:	☐ Yes	☐ No

All items mentioned in the body of the report are included in the 2025 financial plan.

3.2 Legislative Considerations (Applicable Policies and/or Bylaws):

Some items listed in the body of the report require regulatory approval.

3.3 Environmental Considerations

N/A

3.4 Social Considerations:

The items in the body of the report benefit the water system users by providing safe, reliable water sources.

3.5 Economic Considerations:

N/A

3.6 Communication Considerations:

The public will be notified before planned service interruptions or water quality impacts.

3.7 Staffing/Departmental Workplace Considerations:

N/A

3.8 Board Strategic Plan/Priorities Considerations:

Organizational excellence - Continue to focus on our core services to ensure effective and efficient delivery through our Region.

SECTION 4: OPTIONS & PROS / CONS

None.

SECTION 5: RECOMMENDATIONS

None. For information only.

A handwritten signature in blue ink, appearing to read 'Alexandra', is positioned above the typed name.

Respectfully submitted,

Alexandra Divlakovski, Water Operations Manager

CONCURRENCE

None



Committee Report

Date of Report: September 17, 2026
Date & Type of Meeting: October 8, 2026, Water Services Committee
Author: Alexandra Divlakovski, Water Operations Manager
Subject: DRAFT 2027 CAPITAL PROJECT PLAN
Electoral Area/Municipality: All Areas

SECTION 1: EXECUTIVE SUMMARY

This report provides a summary of proposed 2027 water utility capital projects. The 2027 capital plan includes 19 projects with an estimated total budget of \$6.283 million focused on infrastructure renewal, metering, source security, treatment reliability, and distribution system replacement.

SECTION 2: BACKGROUND/ANALYSIS

Utility Services – A103

2027 Water West Vehicle Replacement for Ford Ranger XL Supercab 4WD (\$65,000 est.)

From fleet reserves.

Arrow Creek

2027 Ongoing Equipment Replacement (\$50,000)

Ongoing non-specific capital replacement items.

Intake Upgrades Construction (\$1,150,000)

Construction for intake upgrades based on 2026 CIMA Engineering Ltd. design. Upgrades include:

- Improved creek diversion infrastructure
- Improved controls for sluice gates
- Replace/install baffle curtains in settling ponds
- Install settling ponds bypass chamber for pond isolation

Surge Protector for WTP (\$30,000)

Surge protection for entire treatment facility to protect instrumentation from brown power and outages common to the area.

Erickson

Universal Metering - Phase 1 (\$50,000)

Remaining meter/pit installations of larger agricultural lands that require comprehensive reservicing of water service(s).

Universal Metering - Phase 2 (\$1,500,000 est.)

Remaining installations of 506 meter/pits for residential and small agriculture lands.

Distribution System Replacement - 38th Ave. N (\$850,000)

Replace/reroute 8-inch asbestos cement transmission main that currently runs through private property without a statutory right-of-way.

Lister

Distribution System Replacement - 16th and Sinclair (\$500,000)

Construction to replace approximately 800m of 2 inch thin-walled PVC with 4-inch HDPE based on 2026 design by WSP Engineering Ltd. Project includes installing new lines from water main to property curbstops and replacing all existing curbstops.

Duhamel

Secondary Water Source (\$120,000)

Construction of a secondary well source on the same parcel as existing well. New well location is based on 2026 Western Water Associates Ltd. report. A public meeting will be held to determine if community members support the project, or if system reserves would be better directed to linear infrastructure replacement.

Edgewood

Distribution System Replacement - Killarney Crescent (\$400,000)

Construction to replace 320m of 6-inch asbestos cement water main based on 2026 design by Lineal Engineering Ltd.

Fauquier

Standby Power, Booster Pump Control, Abandon Upper Reservoir (\$100,000)

Standby power and new controls for booster pump station to service a pressure zone for properties currently serviced from an old reservoir. Project includes decommissioning the old reservoir.

Pre-filter (\$60,000)

Installation of a pre-filter to reduce loading on existing sand filters, which will improve filtration maintenance and water quality.

South Slocan

Valve Replacement and PRV Box Improvements (\$15,000)

Improvements to two valve boxes that are currently above-ground and require frost protection.

Dam Assessment and Upgrades (\$18,000)

Consultant/engineering design and planned work for cement removal process to meet Provincial Dam Authority freeboard requirements. The project may include some construction to remove cement and return the dam to the original design, pending cost of engineering for the report.

West Robson

Distribution System Replacement - Broadwater Road (\$1,000,000)

Phase 2 of project to replace approximately 955m of 6-inch asbestos cement water main with 6-inch PVC along Broadwater Road.

Woodland Heights

Universal Metering (\$175,000)

Implementation of universal metering for leak detection and water conservation. A CAC meeting will be held to determine if community members support the project as a measure to reduce the existing high seasonal demand on the new well, thereby extending operational lifespan.

Ymir

UV Unit Replacement (\$70,000)

Installation of three new UV units to replace existing obsolete equipment.

Sanca

Abandonment of North Line (\$5,000)

Removal of two northern properties from water system requiring disconnection from water system and a boundary adjustment.

Balfour

Secondary Water Source (\$125,000)

Construction of the secondary well source treatment facility and tie-in/controls to the Balfour water systems' upper pressure zone.

Cellular Communication Upgrade (\$20,000)

Upgrade existing 3G cellular to 5G cellular for communications between lake pump house PLC and water treatment plant PLC. Project may also provide additional controls for treatment components.

McDonald Creek

Intake Weir Removal (\$20,000)

Ongoing intake weir removal work.

Riondel

Pre-filter Replacement (\$60,000)

Replacement of existing Amiad pre-filter with more reliable filtration treatment equipment. Initial consideration for equipment replacement is pressurized sand filters; however, further investigation is required.

Intake Repairs (\$25,000)

Repairs to concrete around intake and installation of new screens.

SECTION 3: DETAILED ANALYSIS

3.1 Financial Considerations – Cost and Resource Allocations:

Included in Financial Plan:	☐ Yes ☐ No	Financial Plan Amendment:	☐ Yes ☐ No
Debt Bylaw Required:	☐ Yes ☐ No	Public/Gov't Approvals Required:	☐ Yes ☐ No

Financial Considerations: All projects are proposed capital expenditures within the 2027 planning cycle. The total estimated capital budget is \$6.283 million.

3.2 Legislative Considerations (Applicable Policies and/or Bylaws):

N/A

3.3 Environmental Considerations

N/A

3.4 Social Considerations:

Projects support safe, reliable drinking water service, water conservation, and long-term asset sustainability.

3.5 Economic Considerations:

Capital projects are subject to RDCK Board approved 2027 Financial Plan.

3.6 Communication Considerations:

The public will be notified of capital projects and planned service interruptions or water quality impacts.

3.7 Staffing/Departmental Workplace Considerations:

Capital projects are subject to Project Management staffing availability.

3.8 Board Strategic Plan/Priorities Considerations:

Organizational excellence - Continue to focus on our core services to ensure effective and efficient delivery through our Region.

SECTION 4: OPTIONS & PROS / CONS

None. This report is provided for information and capital planning purposes.

SECTION 5: RECOMMENDATIONS

None. For information only.



Respectfully submitted,

Alexandra Divlakovski, Water Operations Manager

CONCURRENCE

General Manager of Environmental Services – Uli Wolf

Chief Administrative Officer – Stuart Horn

Attachment: DRAFT 2027-2031 Capital Project List

DRAFT 2027-2031 CAPITAL PROJECT LIST – WATER EAST	2027 Budget	2028	2029	2030	2031
Arrow S251	1,200,000	265,000	3,050,000	2,050,000	50,000
ACK W - 2027 Ongoing Equipment Replacement	50,000	50,000	50,000	50,000	50,000
ACK W - Membrane Replacement					
ACK W - Intake Upgrades Construction	1,150,000				
ACK W - Filtration Pilot		180,000			
ACK W - Filtration Construction			3,000,000	2,000,000	
ACK W - Backwash Pond Rehabilitation		35,000			
ACK - W Surge Protector for WTP	30,000				
Erickson S252	2,400,000	370,000	2,400,000	0	1,300,000
ERK W - Hydrant Infill		150,000			
ERK W- Universal Metering-Phase 1	50,000				
ERK W- Universal Metering-Phase 2	1,500,000				
ERK W - Distribution System Replacement (PN26-52-24-155-23-27-126)	850,000				
ERK W - Distribution System Replacement (Goat River Bridge Water Line)		20,000	300,000		
ERK W - Distribution System Replacement (PN58)		50,000	900,000		
ERK W - Distribution System Replacement (PN11-1J-78)		150,000	1,200,000		1,300,000
Lister S245	500,000	0	70,000	0	0
LIS W - Secondary Source			70,000		
LIS W - Distribution System Replacement - PN25 (16th St.)	500,000				
Sanca S244	5,000	0	0	0	0
SAN W - Abandonment of North Line	5,000				
Riondel Drainage S167	0	80,000	0	0	0
RIO W - Ainsworth South Drain Line	0	80,000			
Riondel Water S243	85,000	0	0	900,000	0
RIO W - Intake Repairs	25,000				
RIO W - Replace reservoir				900,000	
RIO W - Pre-filter Replacement	60,000				
Total East	4,190,000	715,000	5,520,000	2,950,000	1,350,000

DRAFT 2027-2031 CAPITAL PROJECT LIST – WATER WEST	2027 Budget	2028	2029	2030	2031
Balfour S257	125,000	880,000	0	100,000	0
BAL W - Secondary Water Source	125,000				
BAL W - Intake Repair/upgrades				100,000	
BAL W - Distribution Upgrades (Highway 3A)		880,000			
Burton S254	0	0	0	200,000	0
BUR W - Distribution System Replacement				200,000	
Duhamel S250	120,000	0	25,000	350,000	0
DUH W - Secondary Source	120,000				
DUH W - Distribution System Replacements			25,000	350,000	
Edgewood S255	385,000	30,000	400,000	0	0
EDG W - Distribution System Replacement (PN13)	385,000				
EDW W - Distribution System Replacement (PN11/12)		30,000	400,000		
Fauquier S256	165,000	0	230,000	300,000	0
FAU W-Treatment Pilots	5,000				
FAU W - Standby Power, Pump Upgrade, Abandon Upper reservoir	100,000				
FAU W - UV Disinfection			200,000		
FAU W - Pre Filter	60,000				
FAU W - Distribution System Replacement			30,000	300,000	
McDonald Creek S248	20,000	0	0	0	0
MCD W - 2021 Intake Weir Removal	20,000				
South Slocan S247	33,000	100,000	0	0	0
SSL W - Valve Replacements & PRV Box Improvements	15,000				
SSL W - Dam Assessment and Upgrades	18,000				
SSL W - Distribution System Upgrades		100,000			
West Robson S258	1,000,000	400,000	0	0	0
WRO W - Distribution System Replacement	1,000,000	400,000			

Woodland S259	175,000	0	0	0	0
WDH W - Universal metering	175,000				
Ymir S246	70,000	0	0	0	0
YMR W - UV Unit replacement	70,000				
Total West	2,093,000	1,410,000	655,000	950,000	0



Committee Report – For Information

October 8, 2026

Water and Wastewater Systems Acquisition Update

Author:	Chris Gainham, Utility Services Manager
File Reference:	Water Services - Sharepoint
Electoral Area/Municipality:	All
Services Impacted	Water Services

1.0 PURPOSE OF REPORT

The purpose of this report is to provide an update on the acquisition process. There are currently three systems with expressions of interest submissions:

- Robson Raspberry Improvement District
- Taghum Improvement District
- Armstrong Bay Improvement District

2.0 BACKGROUND AND UPDATE

Robson Raspberry Improvement District (RRID)

On January 14, 2026, a public information session was held regarding the potential acquisition of the Robson Raspberry Improvement District (RRID) water system. Approximately 120 members of the public attended, with presentations covering the RDCK acquisition process and the condition, risks, asset renewal needs and financial position of the water system. Discussion focused on the long-term sustainability of the system, including infrastructure needs, operator recruitment and retention challenges, and volunteer Board capacity.

The RRID subsequently undertook a survey of water system users in March 2026 to gauge support for proceeding with the acquisition process. Of the 180 votes returned, 160 (89%) were in favour of continuing with the acquisition process.

On August 27, 2026, RDCK Water Services staff met with the RRID Operations Manager for a site visit and walk-through of the treatment and distribution system. The visit provided staff with an opportunity to review the system infrastructure and discuss recent and ongoing capital and maintenance work being undertaken by RRID. Recent work includes replacement of one of the water treatment plant's three ultrafiltration membrane trains; overhaul of the plant's self-cleaning strainers; repairs and planned renewal of raw-water pumps; replacement of several actuated valves and controls; installation of a new turbine flow meter; and ongoing improvements to instrumentation and system controls.

RRID has also undertaken distribution-system mapping and valve locating, maintenance of pressure-reducing infrastructure, and other distribution-system improvements.

RRID is also currently implementing a provincially funded universal metering project, including installation of approximately 520 water meters, meter pits, remote-actuated valves and new curb-stops. Construction commenced in January 2026 and substantial completion is anticipated in 2027. The project has also assisted RRID in locating previously unmapped curb stops and developing more complete GIS mapping information for the distribution system.

RDCK staff are currently completing a draft asset management plan for RRID, which will incorporate information gathered through the technical review and site visit and will inform development of a draft financial plan for the system. This work will support the next stages of the acquisition process.

The RRID is also undertaking a Source Water Protection Plan – a requirement of their IHA permit, and as part of this process is forming a technical advisory committee that includes our RDCK Water Services Liaison.

While the recent work is addressing a number of immediate operational and asset needs, RRID's asset management and system assessment work identifies significant long renewal requirements, particularly for treatment infrastructure and aging distribution mains. These requirements will be considered through the RDCK's asset management and financial planning work as the acquisition review progresses.

Taghum Improvement District (TID)

On June 10, 2026 the RDCK presented to the Taghum Improvement District water system users regarding the acquisition process. Taghum Improvement District completed a community survey to gauge support to move forward with the acquisition process – votes from users were 89% in favour of continuing with the process.

RDCK staff are continuing work on building an asset inventory and asset management plan for the system and the accompanying draft financial plan for the system.

Armstrong Bay Improvement District

On August 4, 2026 RDCK staff met with Trustees from the Armstrong Bay Improvement District to discuss the acquisition process, better understand their infrastructure and challenges and to provide the Trustees with information that they could communicate at a planned AGM. The next step is for RDCK staff and Armstrong Bay Trustees to determine a suitable date this fall for a public information meeting, likely at the Creston & District Community Complex

3.0 NEXT STEPS AND TIMELINE

Staff will continue to advance the acquisition review and associated work for each system, including completion of asset management and financial planning work, ongoing engagement with the respective Improvement Districts and their users, and further technical and operational due diligence as required. Additional updates will be brought forward as a WSC standing item.

Respectfully submitted,

Chris Gainham – Utility Services Manager

CONCURRENCE

ATTACHMENTS:

None



Water Services Committee Report

October 8, 2026

Lister Water System – Proposed Cemetery Water Rate

Author: Chris Gainham, Utility Service Manager
File Reference: Water Services - Sharepoint
Electoral Area/Municipality: Area B
Services Impacted S243 - Lister Water System

1.0 STAFF RECOMMENDATION

That the Board direct staff to amend the Utilities Rates, Fees and Charges Bylaw No. 3077 to establish an annual flat-use water rate of \$100 for the Lister Community Cemetery and All Saints Cemetery, effective January 1, 2027.

2.0 BACKGROUND/HISTORY

The Lister Community Cemetery and All Saints Cemetery are located within the Lister Water Service Area and receive water from the Regional District of Central Kootenay (RDCK) Lister Water System.

Utilities Rates, Fees and Charges Bylaw No. 3077 establishes the rates and charges applicable to RDCK-owned water systems and provides for the classification of water accounts according to their predominant use. The Bylaw identifies account types including Single Family Dwelling, Multiple Dwelling Property, Commercial, Industrial, Institutional, Agricultural and Recreational. Where a specific flat-use water rate has not been identified, the Bylaw allows the Manager to apply an equivalent rate considering fair consumption and operational cost equivalency.

The current Lister Water System rate schedule does not include a specific cemetery rate. As a result, both the Lister Community Cemetery and All Saints Cemetery are currently classified and billed as Single Family accounts. In 2026, each cemetery is charged a \$925 Single Family water rate and a \$791 Capital Reserve Fund Contribution, for a total annual charge of \$1,716.

The Creston Valley Services Committee (CVSC) has historically provided Financial Aid Grants to several cemetery societies within the Creston Valley. Recent allocations have included \$1,500 each for the Boswell, Crawford Bay and Grey Creek cemeteries and \$3,500 each for the Lister Community Cemetery and All Saints Cemetery. The comparatively larger grants to the two Lister cemeteries have assisted with the cost of water service.

The Electoral Area B Director has requested consideration of establishing a specific annual water rate of \$100 for the Lister Community Cemetery and All Saints Cemetery beginning in 2027, rather than addressing increasing Lister Water System charges through larger Financial Aid Grants.

3.0 PROBLEM OR OPPORTUNITY DESCRIPTION

The Lister Community Cemetery and All Saints Cemetery are currently classified as Single Family accounts for water billing purposes under the existing bylaw but does not reflect the nature of the properties or their water use. Neither property contains a single-family dwelling and both operate as community cemeteries and use water primarily for intermittent irrigation during the growing season, with little or no water demand during the remainder of the year.

The current approach also creates an indirect relationship between Lister Water Service rates and Financial Aid Grants provided through the CVSC. As Lister Water System rates increase, maintaining a similar level of financial support for the cemetery societies could require progressively larger Financial Aid Grants to offset water service charges.

There is an opportunity to establish a specific cemetery water rate that better reflects the unique and seasonal nature of water use at these properties while providing a transparent and predictable approach to their annual water charges.

3.1 Alignment to Board Strategic Plan

N/A

3.2 Legislative Considerations

Utilities Rates, Fees and Charges Bylaw No. 3077 applies to all RDCK Water Service Areas and establishes the rates and charges payable for water service. The Bylaw authorizes the Manager to classify accounts into Account Types and apply the applicable service charge rates.

The current Lister Water System rate schedule does not establish a specific cemetery rate. Should the Board support the proposed approach, Bylaw No. 3077 would require amendment to establish the new rate effective for the 2027 billing year.

Water Bylaw No. 3078 would continue to regulate the terms and conditions under which water is supplied and used. The proposed change relates only to the applicable rate under Bylaw No. 3077 and would not change the conditions of water service

3.3 What Are the Risks

Maintaining the existing approach would continue to classify the cemetery properties as Single Family accounts despite their substantially different land use and water demand characteristics. As Lister Water System rates increase, this may also increase the level of Financial Aid Grant funding required if the intent is to continue offsetting a portion of the cemetery societies' water costs.

Establishing a reduced cemetery rate would result in less user-fee revenue being collected by the Lister Water Service. As the service is self-funded, the resulting revenue requirement would need to be accommodated through the other revenues of the service.

4.0 PROPOSED SOLUTION

The Area B Director proposed establishing a specific annual flat-use water rate of \$100 for each of the Lister Community Cemetery and All Saints Cemetery, effective January 1, 2027.

The proposed rate recognizes that these cemetery uses represent a unique land use and that their water consumption is predominantly limited to intermittent irrigation during the growing season. It also recognizes the community service oriented nature of the two cemetery societies.

The proposed \$100 rate would replace the Single Family water rate that is currently charged to each property. The Capital Reserve Fund Contribution would continue to apply. This approach recognizes the limited operational water use of the properties while continuing to require each cemetery to contribute toward the long-term renewal and replacement of Lister Water System infrastructure.

The proposed \$100 rate is not intended to represent the full cost of providing water service to the properties. The Lister Water System incurs fixed operating, maintenance, regulatory and infrastructure costs regardless of the volume of water consumed by an individual account. The proposed rate represents a policy decision to provide a reduced user rate for these two community-serving properties.

Establishing the rate directly by including in Bylaw No. 3077 would provide a transparent and predictable annual water charge and reduce the need to address increasing water user rates indirectly through Financial Aid Grants.

4.1 Financial Considerations of the Proposed Solution

In 2026, both cemetery properties are classified as Single Family accounts and are each charged a \$925 annual water rate together with a \$791 Capital Reserve Fund Contribution. The total 2026 annual water service bill for each property is therefore \$1,716.

Under the proposed approach, the \$925 Single Family water rate would be replaced by a \$100 cemetery rate. The Capital Reserve Fund Contribution would continue to apply at the rate established for the applicable billing year.

Using 2026 rates for comparison, the financial impact is as follows:

Water Service Charge Type as per Bylaw 3077	Current Rate (per Cemetery)	Proposed Rate
Annual Water User Rate	\$925	\$100
Capital Reserve Fund Contribution	\$791	\$791
Total Annual Charge	\$1716	\$891
Reduction per Cemetery		\$825
Total Reduction – both cemeteries		\$1650

The 2026 Capital Reserve Fund Contribution is shown for comparison. The actual 2027 charge would be based on the rate established for 2027.

Based on current rates, the proposed change would reduce annual S243 Lister Water Service user fee revenue by \$1,650 and this amount would remain part of the overall revenue requirement of the service and would be accommodated/recovered through other Water Service revenues.

The CVSC has historically provided Financial Aid Grants of \$3,500 annually to each of the Lister Community Cemetery and All Saints Cemetery. Establishing the proposed cemetery rate would reduce the water-service costs borne by the cemetery societies and may correspondingly reduce the amount of Financial Aid Grant funding required for this purpose. Decisions regarding future Financial Aid Grant allocations would remain separate from the proposed water rate.

4.2 Risks with the Proposed Solution

The primary financial risk is that the proposed rate reduces the contribution made by the two cemetery properties toward the operating costs of the Lister Water System. Based on 2026 rates, the reduction would be \$1,650 annually across the two accounts.

There is also potential for other non-profit, community service or seasonal water users to request similar treatment. Any future requests would need to be considered separately based on the applicable rate structure, water use and circumstances.

Retaining the Capital Reserve Fund Contribution mitigates a portion of the financial impact and ensures that both cemetery properties continue contributing toward required lifecycle water system infrastructure renewal.

4.3 Resource Allocation and Workplan Impact

The proposed change would have no impact on staff resources. If supported, Utility Services staff would work with Finance and Corporate Administration to incorporate the new rate into an amendment to Utilities Rates, Fees and Charges Bylaw No. 3077 and implement the new rate for the 2027 billing year.

4.4 Public Benefit and Stakeholder Engagement of Proposed Solution

The Lister Community Cemetery and All Saints Cemetery provide community related services and spaces within Electoral Area B. Establishing a specific cemetery rate would provide greater certainty regarding their annual water costs and reduce reliance on Financial Aid Grants to offset increasing water user rates.

The proposed change originated through discussions involving the Electoral Area B Director and the CVSC regarding Financial Aid Grant funding for the cemetery societies. Further public consultation is not proposed. Any amendment to Bylaw No. 3077 would be considered by the Board at an open meeting.

4.5 Leveraging Technology

N/A

4.6 Measuring Success

Implementation would be considered complete upon amendment of Bylaw No. 3077 and application of the new cemetery rate for the 2027 billing year.

The financial impact of the rate would subsequently be incorporated into the normal Lister Water Service budgeting and financial planning process.

5.0 ALTERNATIVE SOLUTION(S)

An alternative is to maintain the existing water rate structure and continue to classify the Lister Community Cemetery and All Saints Cemetery under an existing rate category, with Financial Aid Grants considered separately through the CVSC's annual grant allocation process.

This approach would maintain the existing allocation of Lister Water Service costs and avoid establishing a specific cemetery rate. Financial assistance could continue to be considered annually based on available Financial Aid Grant funding and CVSC priorities.

5.1 Financial Considerations of the Alternative Solution(s)

Maintaining the existing rate structure would avoid the proposed \$1,650 reduction in annual Lister Water Service revenue based on the current 2026 rates. The cemetery societies would continue to pay the applicable water user rate and Capital Reserve Fund Contribution, with any financial assistance provided separately through Financial Aid Grants. As Lister Water System rates increase, larger Financial Aid Grants may be required if the intent is to continue offsetting a similar proportion of the cemetery societies' water costs.

5.2 Risks with the Alternative Solution(s)

The existing approach provides less certainty to the cemetery societies because Financial Aid Grants are discretionary and considered through an annual process.

5.3 Resource Allocation and Workplan Impact

The alternative would have no impact on Utility Services staff resources. Administration of Financial Aid Grants would continue through the existing CVSC process.

5.4 Public Benefit and Stakeholder Engagement of Alternative Solution

The existing Financial Aid Grant process provides flexibility for the CVSC to consider the financial needs of the cemetery societies annually alongside other eligible organizations and funding priorities.

5.5 Measuring Success

N/A

6.0 OPTIONS CONSIDERED BUT NOT PRESENTED

Staff have considered establishing a broader reduced rate category for non-profit, community service or cemetery specific related accounts. This option is not presented because these uses can vary considerably in their water demand and servicing requirements, and a broader category could have unintended financial implications for the Lister Water Service or other RDCK water services.

7.0 OPTIONS SUMMARY

Option 1: Establish a Cemetery Water Rate for the Lister Water System

Recommendation:

That the Board direct staff to amend the Utilities Rates, Fees and Charges Bylaw No. 3077 to establish an annual flat-use water rate of \$100 for the Lister Community Cemetery and All Saints Cemetery, effective January 1, 2027.

Option 2: Status Quo

Recommendation:

That the existing water rate structure for the Lister Community Cemetery and All Saints Cemetery be maintained.

8.0 RECOMMENDATION

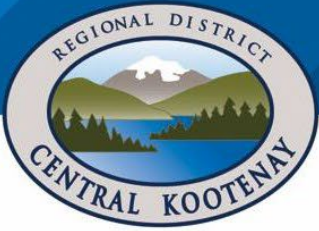
That the Board direct staff to amend the Utilities Rates, Fees and Charges Bylaw No. 3077 to establish an annual flat-use water rate of \$100 for the Lister Community Cemetery and All Saints Cemetery, effective January 1, 2027.

Respectfully submitted,
Chris Gainham – Utility Service Manager

CONCURRENCE

General Manager of Environmental Services – Uli Wolf – **DIGITALLY APPROVED**

Chief Administrative Officer – Stuart Horn



Committee Report – For Information

October 8, 2026

Erickson Water Metering Public Engagement Follow-Up

Author: Chris Gainham, Utility Services Manager
File Reference: Water Services - Sharepoint
Electoral Area/Municipality: Electoral Areas B & C
Services Impacted: Erickson Water System S250

1.0 PURPOSE OF REPORT

To update the Water Services Committee on the Public Information Session for the Erickson Universal Water Metering Program that was held on Monday July 20, 2026 at 5:00 PM-8:00 PM at the Creston and District Community Complex, as requested by Directors and to clarify specific questions from the Creston Valley Services Committee.

This report was previously presented at the September 3, 2026 Creston Valley Services Committee.

2.0 BACKGROUND AND UPDATE.

At the August 6, 2026 Creston Valley Services Committee gave the following direction to Staff:

NEW BUSINESS

9.1 DISCUSSION ITEM: ERICKSON WATER PUBLIC ENGAGEMENT FOLLOW UP

The Committee felt this event was well attended by the public. Staff put great effort into answering questions. There are two points that the Committee feels need clarification:

- That the water bylaw outlines that RDCK is responsible for delivering water to each property.
- By stating that the rates will not be changing due to water meters being installed, this could limit opportunities in the future for greater flexibility for the wide variety of users.

Direction to Staff:

That a report be prepared for the September CVSC meeting, detailing the Erickson Water Public Engagement session held on July 20, 2026.

Meeting Overview:

The Regional District of Central Kootenay (RDCK) invited residents and agricultural producers served by the Erickson Water System to attend a Public Information Session on the Erickson Universal Water Metering Program. The meeting was held on Monday July 20, 2026 at 5:00 PM-8:00 PM at the Creston and District Community Complex and was well attended. Prior to the meeting, the RDCK issued a media release, advertised the meeting in the Creston Valley Advance Newspaper, and sent a Voyent Alert to Erickson Water System users. The technical presentation that was delivered at the meeting is included as Attachment A in this report. Staff have also developed an information pamphlet dedicated to the Erickson Water System Universal Metering Project and this is included as Attachment B to this report.

The information session provided an opportunity for customers to learn more about the project, understand how the new metering system will operate, and speak directly with RDCK staff about concerns they may have with the project. Staff specifically leveraged this engagement opportunity to provide clear information to the public, answer questions directly and address concerns where possible, explain how meters are selected, sized and installed, and address some of the misconceptions that have circulated.

Staff also leveraged the engagement opportunity to inform attendees about the EyeOnWater platform where customers can access their meter data, visualize water usage via customizable dashboards and download data for more detailed analysis. The Environmental Coordinator attended the meeting to walk customers through EyeOnWater and assist with account setup as needed.

Creston Valley Services Committee - Requests for Clarification:

Committee Request for Clarification Item #1:

“That the water bylaw outlines that RDCK is responsible for delivering water to each property.”

Staff Response - RDCK Water Bylaw No. 3078, 2026 establishes the respective responsibilities of the RDCK and property owners for water servicing. The RDCK is responsible for the Water System and the Regional District Water Connection, which extends from the water main to the curb stop valve generally located near the property line. In Erickson, a significant portion of main lines are located on private property, many without easement or statutory right-of-way, adding a specific layer of complications to water supply and meter installations. The Bylaw further clarifies that the property owner is responsible for the Owner Water Connection and associated plumbing downstream of the Regional District Water Connection. The Bylaw further establishes that the RDCK owns and is responsible for the maintenance and replacement of the curb stop box and curb stop valve.

In practical terms, the RDCK operates and maintains the water system infrastructure necessary to supply water to serviced parcels, up to the RDCK connection, while the property owner is responsible for conveying and managing that water beyond the RDCK connection. This can reasonably be characterized as the RDCK being responsible for delivering water to the parcel, within the operating capabilities and limitations of the water system. The Bylaw does not, however, guarantee continuous water supply, minimum or maximum service pressures, or minimum flow rates.

Section 11.3 of the Water Bylaw establishes allowable irrigation use. Unless additional irrigation privileges have been assigned, an owner may irrigate up to one acre at a maximum rate of 4.5 US gallons per minute per acre. Where additional irrigation privileges have been assigned, irrigation is limited to the area associated with those privileges and a maximum rate of 4.5 US gallons per minute per acre. These provisions establish the allowable irrigation component of the water demand associated with a parcel. In the meeting - staff briefly articulated that the 4.5 US gpm/acre aligns with growing degree days, moisture deficits and evapotranspiration unique to Erickson and this flow rate is considered to be adequate to meet peak demand for agricultural crops produced in the region (further information is included in the 2019 Agriculture Water Demand Study https://www.rdck.ca/wp-content/uploads/2026/03/2020-01-23_ERK-AGDemand-Final-Report.pdf) available on the RDCK's Erickson Water System Website. For additional context, the 4.5 US gpm/acre irrigation rate has been incorporated into RDCK Water Bylaws since 2018, when it was established through Bylaw No. 2577. This represented an increase from the previous maximum irrigation rate of 3 US gpm/acre established under Bylaw No. 2470 (2016), providing a higher allowable rate that better reflects the assessed peak irrigation requirements for the Erickson area.

During the public engagement session, Water Services staff dedicated presentation slides and technical discussion to meter selection and sizing. Staff explained that meter sizing for each property considers the irrigation privileges assigned to the property, using the allowable rate of 4.5 US gallons per minute per acre, together with expected household and other non-irrigation demands. Meter selection also considers hydraulic factors such as pressure losses through the meter, backflow prevention device, fittings and other appurtenances; known lower-pressure areas of the distribution system; and the particular demands of industrial, commercial and institutional users.

General Manager Wolf further clarified during the public meeting that, in practical terms, the RDCK has a responsibility to provide water to a serviced parcel sufficient to accommodate its expected and authorized water demands, including applicable irrigation demand together with household or other non-irrigation demands, subject to the operating capabilities and limitations of the water system.

Committee Request for Clarification Item #2:

“By stating that the rates will not be changing due to water meters being installed, this could limit opportunities in the future for greater flexibility for the wide variety of users.”

Staff Response – For clarification, public messaging regarding the Universal Water Metering Project, both written and verbal, has consistently stated that there are currently no planned changes to the existing flat-rate billing structure in Erickson. This messaging is not intended to preclude consideration of alternative rate structures in the future. Staff communication to the public has been clear that any future change to the existing billing structure would be a separate policy decision requiring consideration and approval by the RDCK Board at a public meeting.

A distinction between rate structure and rate increases is warranted. While there are no plans to the change to the existing flat rate billing structure, planned increases to existing user fees are included in the Board-adopted 2026–2030 Financial Plan for the Erickson Water System (\$250) and updated annually during the budget process, and these planned increases have also been communicated to the public.

Summary of Common Questions and Staff Responses

In addition to the specific matters identified by the Committee, staff received a number of recurring questions during the public engagement process regarding the purpose of universal metering, meter sizing, impacts to water pressure and flow, installation locations, water-use information and future billing. The following provides a summary of the principal questions and information communicated to Erickson Water System users. Information on the metering project, including FAQ's and related information is included on the Engage RDCK - Erickson Water System Metering Project site <https://engage.rdck.ca/projects/erickson-water-system-phase-1-metering-project/>

Why are meters being installed in Erickson?

The primary purpose of the Universal Water Metering Program is improved water management. Metering provides the RDCK with significantly better information about how and when water is being used throughout the Erickson Water System. Funding for this project is provided senior government grants.

The goals of metering in Erickson are to:

- Identify and reduce system leakage, both within the RDCK main lines and on private property, and optimize capital replacement planning by leveraging system data.
- Encourage conservation through greater awareness of water use. Customers also benefit by having access to their own water-use information and leak notifications through EyeOnWater.
- Improve the potential for success when competing with other communities for future senior government infrastructure grant money.
- Better understand how water is used across sectors.
- Protect the Arrow Creek watershed, which continues to face environmental pressures and supply challenges, particularly during irrigation season, when creek flows are lowest and water demand is highest.
- Manage peak water demand and fix leakage to reduce wear and tear and extend the lifespan of critical water infrastructure.

How can water meters help identify leaks and reduce water loss?

Water lost through leaking private services or plumbing still has to be withdrawn from Arrow Creek, treated at the Arrow Creek Water Treatment Plant and conveyed through the distribution system. Identifying leaks therefore reduces unnecessary demand on both the watershed and RDCK infrastructure and as leaks are addressed, ensures that water is used efficiently.

Advanced Metering Infrastructure also allows continuous or unusual water use (indicators that a leak may be present) to be identified much sooner than would otherwise be possible. This can help customers identify leaks that may not be visible at the surface and can help the RDCK distinguish private-side leakage from broader system losses. Leak detection and improved understanding of peak demand are identified as key objectives of the project.

To date, Phase 1 metering has assisted in identifying two significant private-side leaks with combined water loss of approximately 131,870 litres per day, which have subsequently been repaired. At the maximum irrigation rate permitted under the Water Bylaw, this is enough water to irrigate approximately 11 acres for 12 hours every day. If those leaks had continued at the same rate for a year and were not flagged by the metering project, they would have wasted about 48 million litres (or the equivalent of over 19 Olympic sized swimming pools) over the period of a year.

How is the size of the meter for each property determined?

Meters are sized according to the expected water demand of the property rather than simply matching the diameter of the existing service pipe. For agricultural properties, staff consider the irrigation privileges assigned to the parcel and the allowable irrigation rate of 4.5 US gallons per minute per acre established by the Water Bylaw 3078, together with expected household or other non-irrigation demand. Other considerations include pressure loss through the meter and appurtenances including the backflow prevention assembly, available water distribution system pressure and any site-specific or ICI demands.

For a typical residential property, a ¾-inch meter has sufficient capacity to accommodate expected household demand together with the applicable irrigation demand. Larger meters are provided where the calculated demand or hydraulic conditions warrant a larger meter.

Why might my meter be smaller than my existing water service? Will it restrict my water supply?

Meter diameter and service-pipe diameter serve different purposes and do not need to be the same. Installing a ¾-inch or 1-inch meter on a larger service is not equivalent to replacing the entire service with smaller-diameter water service line. The smaller diameter occurs only over the relatively short meter assembly. As part of the project information, staff have also leveraged an analogy to better describe and understand the impact that a water meter that is smaller than a service line may have on the level of service in terms of pressure and flow.

Highway analogy:

Think about driving on a highway.

Passing through a short construction zone may slow traffic briefly before normal speeds resume.

Driving the entire trip on a narrow winding road is very different because the restriction exists for the whole journey.

A water meter is like the short construction zone—not the entire highway.

Every meter, valve, fitting and backflow prevention device creates some pressure loss. Staff account for these losses when selecting the meter so that the meter can accommodate the expected maximum demand for the property - meter selection considers irrigation entitlement, pressure losses through the meter/backflow assembly, known low-pressure areas and specific Industrial, Commercial or Institutional (ICI) demands.

Why Not Always Match the Pipe Size?

Oversized meters have drawbacks: they measure less accurately at lower flows and make it harder to detect leaks. Using a meter that reliably handles the required flow provides better accuracy, leak detection sensitivity, and overall efficiency. In simple terms, an appropriately sized meter, that may have a smaller internal diameter than the service line, provides the most accurate reading and is selected to match estimated water demands from the parcel, including irrigation privilege, not necessarily the diameter of the service line.

Will installation of a meter reduce my water pressure?

There will be some pressure loss whenever water passes through any appurtenance including a water meter, backflow prevention device, valve or fitting. The amount depends on the flow rate and the particular installation, and losses are considered when the meter is selected.

The RDCK therefore does not represent that there will be zero pressure loss following installation. Rather, meters are selected so that the complete meter assembly can accommodate the calculated demand of the property under expected peak water demand conditions. Badger Meter, the manufacturer of the water meters being installed, includes pressure-loss charts for their meters and this is leveraged in meter selection. As noted elsewhere in this report, the Water Bylaw does not guarantee a particular minimum or maximum service pressure or minimum flow rate. However, staff have clarified that the RDCK has a responsibility to provide water to a serviced parcel sufficient to accommodate its expected and authorized water demands, inclusive of irrigation, household and related demands and within the capacity and limitations of the water system.

Where will the meter be installed?

Meters are generally installed in an insulated meter pit immediately downstream of the curb-stop, typically near the property line. The preferred location is within the public road right-of-way, where practical. Site conditions and the location of existing water infrastructure may, however, require installation on private property.

Where private-property installation is required, property owners are notified and provided an opportunity to discuss the proposed location with the contractor and RDCK. Following installation, disturbed areas are restored.

How are the outdoor meters protected from freezing?

Although the meter-pit lid is approximately level with the surrounding ground, the meter and water-carrying components are located below grade within an insulated meter pit. Phase 2 installations use Thermo-Coil assemblies that allow the meter to be installed and operate at a significant depth below-grade during normal operation while permitting the assembly to be raised for servicing from time to time.

The below-ground installation takes advantage of heat retained in the surrounding soil, while insulation near the top of the pit limits cold-air penetration. The meter pits and assemblies are designed for outdoor water-meter installations in cold climates.

What information does the meter collect and how can customers access it?

The meters record water consumption with a resolution as fine as 15 minute intervals, and use Advanced Metering Infrastructure (AMI) to transmit meter information remotely. Customers can access and download their own water-use information through the EyeOnWater platform, generally within several weeks following installation.

EyeOnWater allows customers to view water use over different time periods and establish leak alerts that can be sent by email or phone. This can help identify continuous flows caused by leaking toilets, irrigation systems, service lines or other plumbing before they result in prolonged water loss.

Does the meter change how much water I am permitted to use for irrigation?

No. Installation of a meter does not change the irrigation privileges associated with a property or the allowable irrigation provisions established by the Water Bylaw. The meter provides information about actual water use.

Unless additional irrigation privileges have been assigned to a property, the Water Bylaw permits irrigation of up to one acre at a maximum rate of 4.5 US gallons per minute per acre. Where additional irrigation privileges have been assigned, irrigation is permitted for the corresponding area at the same maximum rate.

Who owns and maintains the meter?

The water meter and associated RDCK metering equipment form part of the water system infrastructure and are maintained by the RDCK. Property owners remain responsible for their private water service and plumbing downstream of the Regional District Water Connection in accordance with Water Bylaw No. 3078.

What happens if a property owner does not want a meter installed?

Staff's first approach is to work with the property owner to address concerns and determine an appropriate installation location. Where installation on private property is required, staff and the contractor will discuss the proposed location and seek to minimize impacts.

The July presentation also explained that the RDCK has authority to install and maintain waterworks where required and that the current program is grant funded. Where a scheduled installation cannot proceed because access is refused and a resolution cannot be reached, additional costs associated with completing the installation at a later date may become the responsibility of the property owner.

3.0 NEXT STEPS AND TIMELINE

Outreach and education related to the Erickson Universal Water Metering Program will continue throughout implementation of the project. Staff will continue to update project information and frequently asked questions as needed, assist customers with access to the EyeOnWater platform, respond to individual concerns, and work with property owners where site-specific installation issues arise.

Phase 1 of the Universal Water Metering Program is substantially complete. Phase 2 installations commenced in 2026 and will continue through sequential construction contracts, with completion currently anticipated by late fall of 2027. As installations progress, staff will continue to review meter data to identify potential leakage, better understand water-use patterns and peak demands, and support ongoing management and capital planning for the Erickson Water System.

Staff currently provide project updates as part of the Operations/Maintenance and Capital Reporting that is a standing item at the Water Services Committee and will continue to provide key information to Committee members via these meetings.

Respectfully submitted,
Chris Gainham – Utility Services Manager

CONCURRENCE

General Manager of Environmental Services – Uli Wolf

ATTACHMENTS:

Attachment A – July 20th Public Information Session on the Erickson Universal Water Metering Program – Staff Presentation

Attachment B – Erickson Water System Universal Metering Project – Information Pamphlet and FAQ's



Public Information Session on the Erickson Universal Water Metering Program

Regional District of Central Kootenay

Presented by: Chris Gainham – Utility Services Manager
Uli Wolf – General Manager of Environmental Services
Alexandra Divlakovski – Water Operations Manager

Date: July 20, 2026



We've heard your questions and concerns over the past several weeks. Tonight's presentation has been designed specifically to answer the questions we've been hearing from residents and agricultural producers.



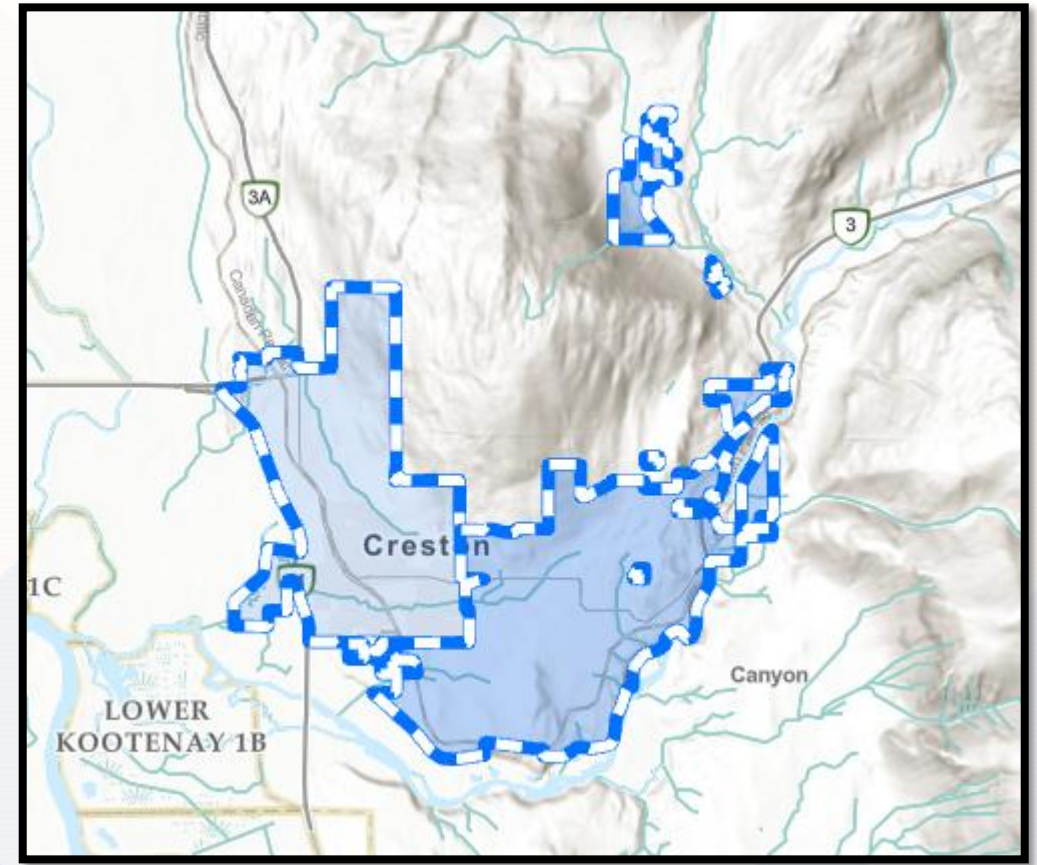
Outline

- 1 Project Background
- 2 Meter Installation
- 3 Meter Sizing
- 4 Meter Technology - EyeOnWater
- 5 Installations under this Program
- 6 Questions



Project Background

- There are 655 active accounts comprised of mixed agriculture and residential use (became a RDCK system in 2003).
- Source water is Arrow Creek, which in recent years has shown diminishing creek levels in summer months*
- There is currently no “twinned” source for agricultural irrigation, although a feasibility study for an alternate long-term water supply for agriculture was completed in 2025.
- Many water mains cross private property, some with no SRow’s or easements.





Project Background

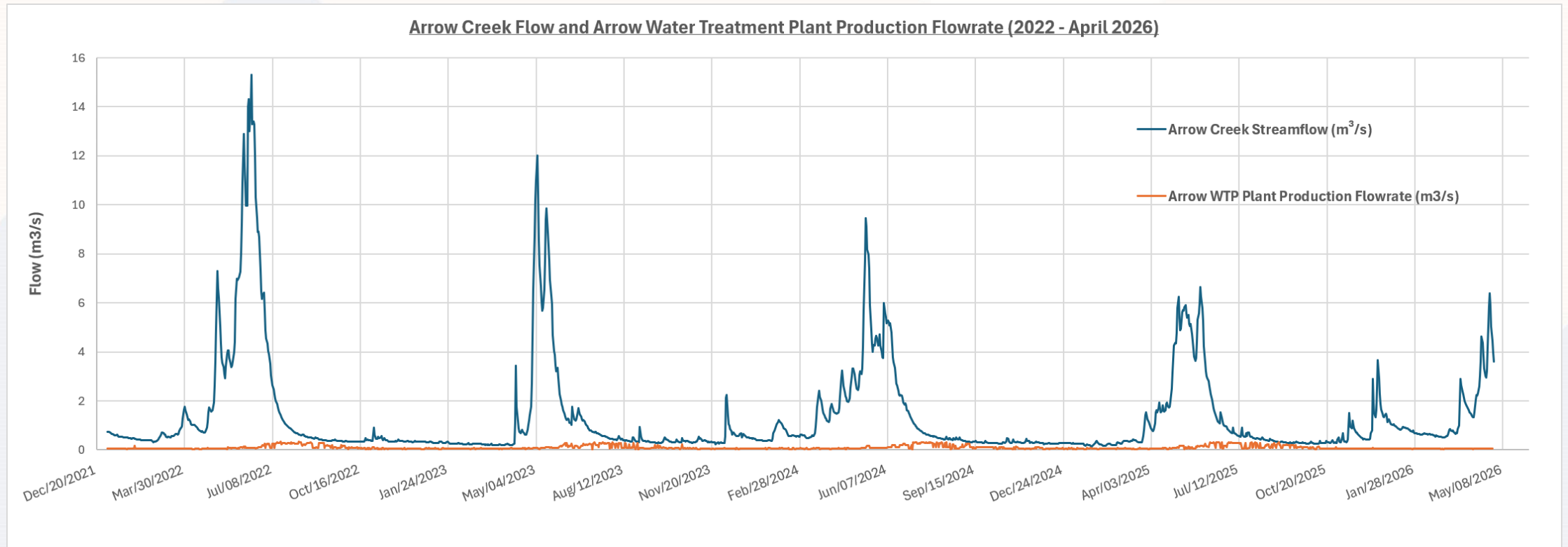
- Universal metering of Erickson is being completed in 2 Phases.
- Phase 1 metering includes approximately 136 installations on ICI and agricultural lands with 5 or more acres of irrigation privilege. Phase 2 metering includes 506 residential and small agricultural connections, is happening now and will take approximately two years to complete. The project is fully funded through senior government grants. There are no planned changes to the existing flat-rate billing structure in Erickson.

The goals of metering in Erickson are to:

- Identify and reduce system leakage and optimize capital replacement planning by leveraging system data.
- Encourage conservation through greater awareness of water use.
- Improve competition for future senior government infrastructure grant funding.
- Better understand how water is used across sectors.
- Protect the Arrow Creek watershed, which continues to face environmental pressures and supply challenges.
- Understand peak water demand and fix leakage to reduce wear and tear and extend the lifespan of critical water infrastructure.



Arrow Creek Flows v.s Water Treatment Plant Withdrawals



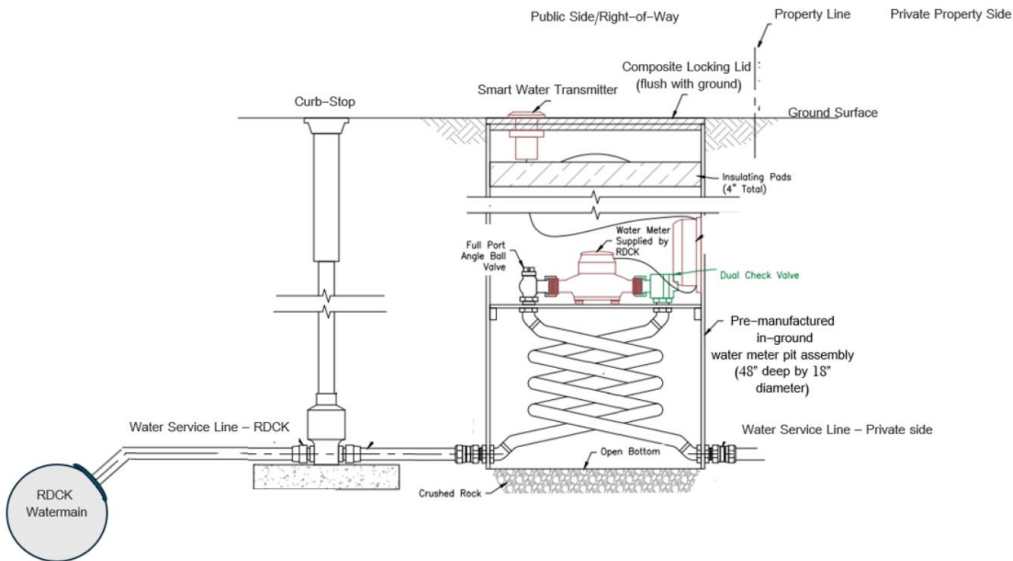
Arrow Creek Water Treatment Plant typically withdraws approximately 20–30% of available streamflow during sustained low-flow periods, with some sustained periods closer to 40% or more observed during peak irrigation season.



Meter Installation

- Preferred location of meter pits is in the public right-of-way but this is not always achievable
- Private property installations – Letters sent to residents that may be impacted complete with consent/waiver and customers notified beforehand and given opportunity to review location with contractor.
- Existing Statutory Right-of-Way or new SRow for meter pits deep into private property.
- Public communication via portals (i.e. website, Voyent, public meeting, mailings)

Illustration of a Water Meter Pit installed on the Public Side





Meter Installation – What Will Happen on My Property?

- Utility Locates
- Daylighting of water service/curb-stop
- Excavation of meter pit
- Installation of meter
- Site restoration





Project Planning – Meter Selection

- Irrigation meter sizing: bylaw-driven metric 4.5 gal/min/acre flow for properties with irrigation privileges (plus 1 acre included for each parcel).

Example: 10 acres irrigation privilege + 1 acre included x 4.5 gal/min/acre = 49.5 gpm
MINIMUM requirement for max. continuous operating flow rate

- Residential meter sizing: typical ¾" meter unless also supporting some irrigation or multiple dwellings.

Parameter	¾"		1"		1.5"		2"	
	Pos. Displace	Ultrasonic	Pos. Displace	Ultrasonic	Pos. Displace	Ultrasonic	Pos. Displace	Ultrasonic
Typ. Operating Range (gpm)	0.75 - 35	0.1 - 32	1.25 - 70	0.4 - 55	2.5 - 120	1.25 - 100	2.5 - 170	1.5 - 160
Min. Flow (gpm)	0.375	0.05	0.75	0.25	1.25	0.4	1.5	0.5
Max. Continuous Operating Flow (gpm)	25	32	50	55	80	100	100	160
Pressure Loss (PSI/gpm)	5/25	2/15	6.5/50	1.8/25	4.8/80	3.8/100	3.3/100	5.2/160
Max. Operation Pressure (PSI)	150	175	150	175	150	175	150	175

Other considerations for sizing include pressure losses across DCVA/meter, known low-pressure areas of the system and water use in the ICI sector (i.e. motel).



Project Planning – Meter Selection - Does a Smaller Meter Restrict Flow?

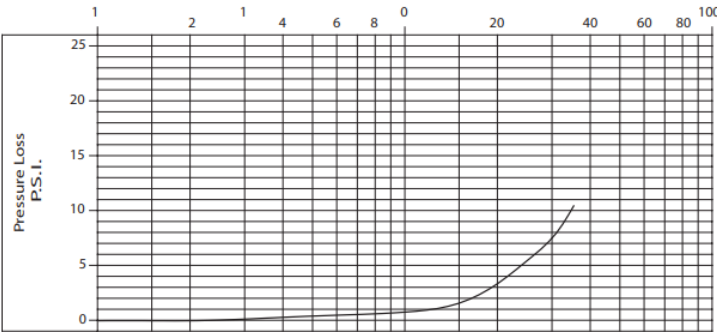
Does a smaller meter reduce flow?

- Pressure loss charts on following pages .
- For example $\frac{3}{4}$ " Ultrasonic results in 2 psi loss at 15 gpm and 4 psi at 20 gpm
- Every Appurtenance: valve, elbow, meter causes some minor pressure loss and this is accounted for in meter selection for each property.
- Each meter is selected so it still supplies the property's expected maximum demand.



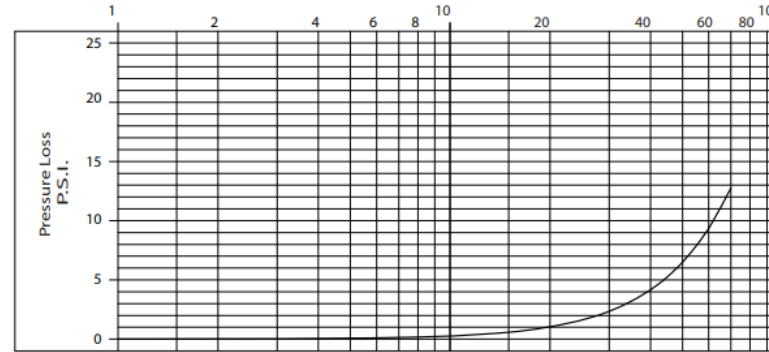
Model 35—3/4 in.

Model 35 3/4 in.



Model 70—1 in.

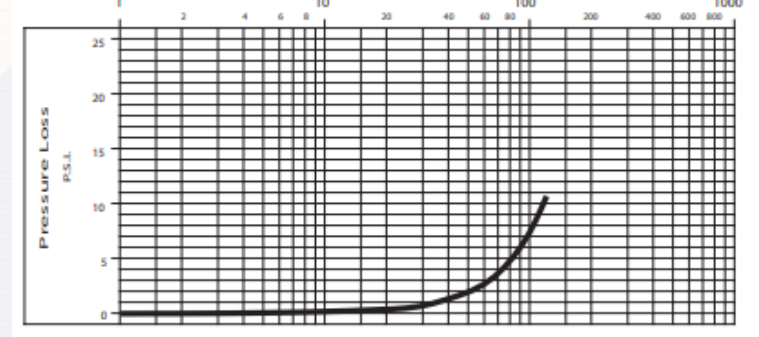
Model 70 1 in.



M120

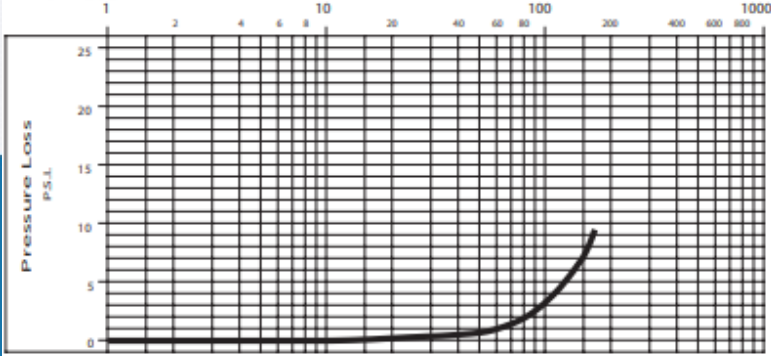
1-1/2 in. Meter

Rate of Flow in Gallons per Minute



M170

2 in. Meter



Meter Installation – Phase 1 Meter Types – Badger Positive Displacement 3/4" to 2" (Mfg pressure loss vs gpm curves)

Qty	Unit	Water Meter Description
12	EA	3/4" M35 PD LL HRE LCD 5/4 9D TT
25	EA	1" M70 PD LL HRE LCD 5/4 9D TT
54	EA	1.5" M120 PD LL HRE LCD 6/3 9D TT
55	EA	2" M170 PD LL HRE LCD 6/3 9D TT

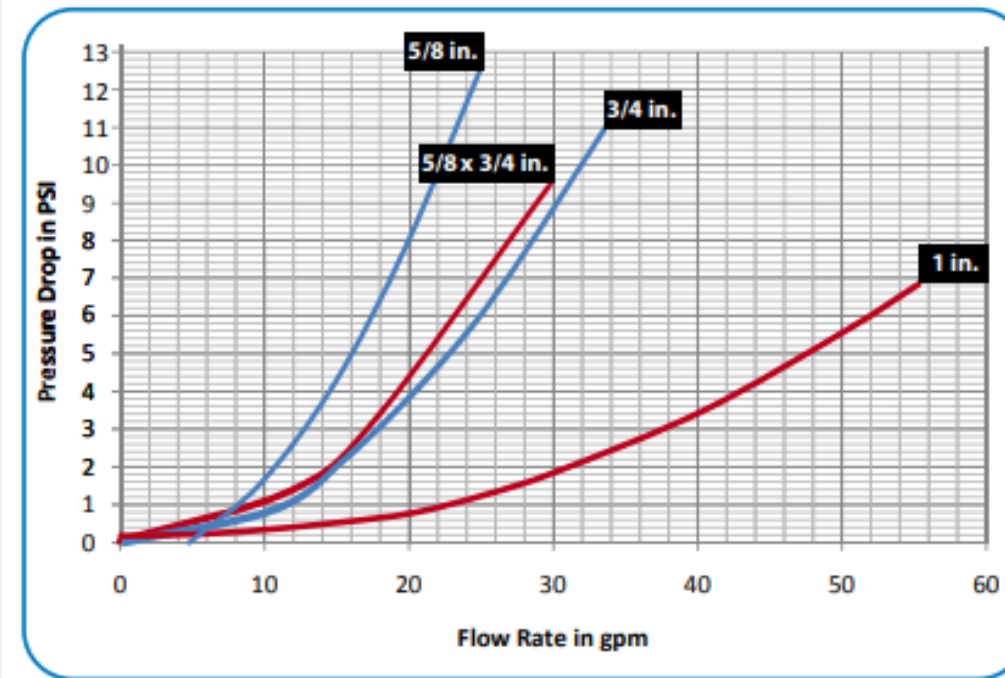


Meter Installation – Phase 2 Meter Types – Badger Ultrasonic E-Series 3/4" to 2" (Mfg pressure loss vs gpm curves)

E-Series® Ultrasonic Meter

PRESSURE LOSS CHART

Rate of Flow in gallons per minute (gpm)



1" meter with DC	47	(based on properties with = to or greater than 3 acres irrigation privelage or active Ag account types)			
1.5" meter with DCVA	2				
3/4" meter with DC	457				
Total meters	506		33		



Example:

Example Property

- Single-family home
- 1 acre
- Existing 2" private service
- New $\frac{3}{4}$ " ultrasonic water meter
- $\frac{3}{4}$ " dual check valve
- Approx. 8 ft of insulated $\frac{3}{4}$ " Therma-Coil in the meter pit
- Pressure at curb stop: 80 psi

The **calculated maximum demand** for this property is approx:

- Household use
- Irrigation
- Peak demand
- Engineering contingency

Total design flow = approximately 15 US gpm



Example cont'd

Engineering calculation for friction losses of the $\frac{3}{4}$ " meter and all fittings using established "equivalent length" methodology:

- 8' of $\frac{3}{4}$ " PVC
 - + 0.9' + 0.9' + 0.9' + 0.9' (4 elbows to simulate the 45 degree fittings of the therma-coil)
 - +15' ($\frac{3}{4}$ " angle valve)
 - +8.8' ($\frac{3}{4}$ " check valve)
 -
- = 35.4'**

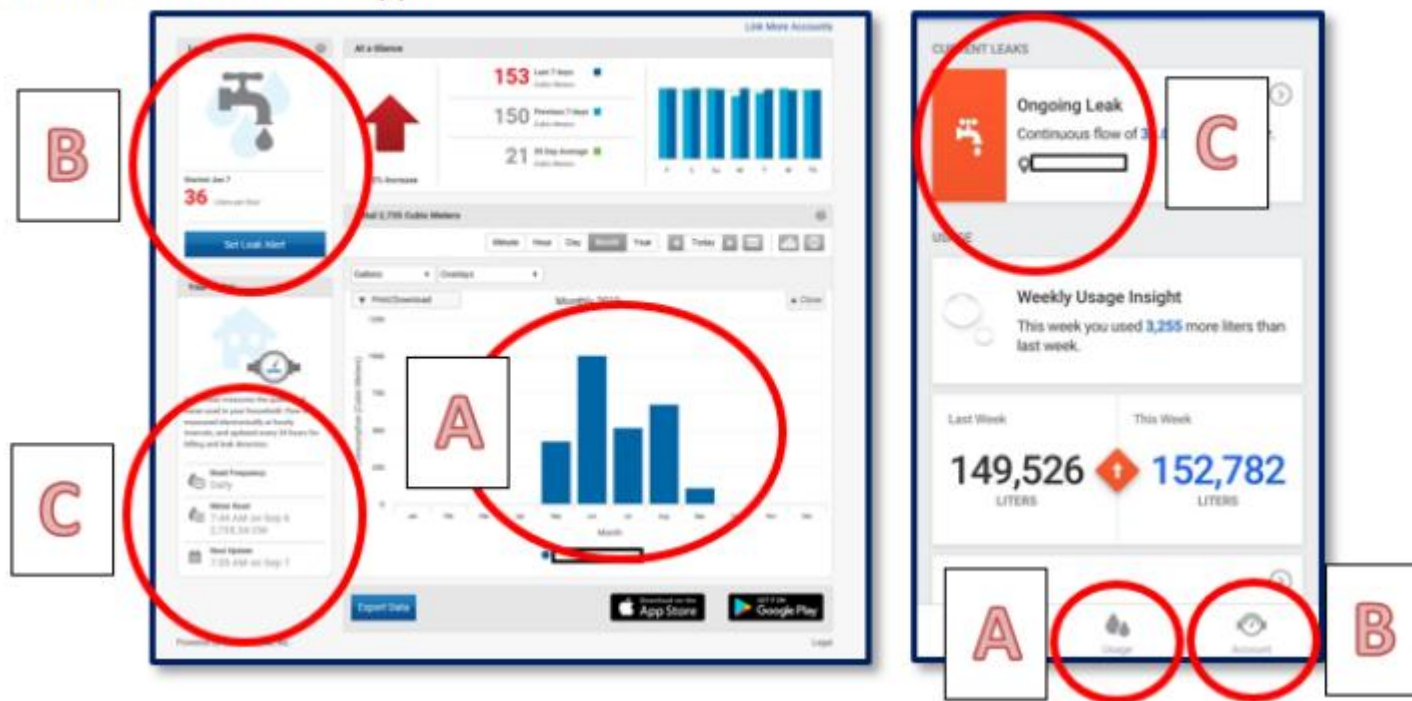
At 14 GPM pressure drop from the 35.4' would be about 10.62 psi. + 2 psi drop through the meter (at 15 gpm) = **12.62 psi total pressure loss due to friction leaving**



Water Usage – Data and EyeOnWater Platform

What are some of the features of EOW?

From the **home page**, users will see information on **water consumption (A)**, **leaks (B)**, and **meter activity (C)** on both the Web Browser and App:



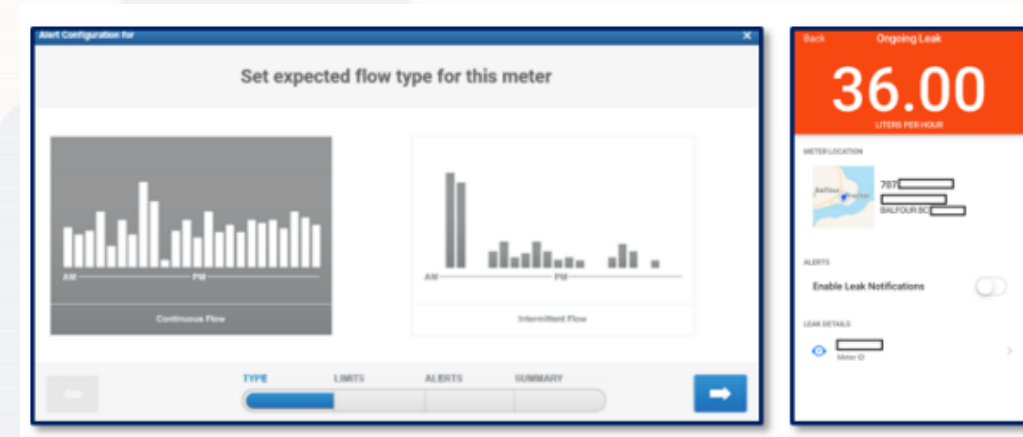


Water Usage – Data and EyeOnWater Platform Cont'd

EOW allows you to see your **water usage** over periods of minutes to years. You can change the settings to show volumes in various units. The Web Browser allows you to overlay temperature and precipitation trends on the usage graph, and the App includes a calendar usage trends and savings calculator:



EOW also allows you to set **Leak Alerts**, which can be configured on the Web Browser and turned on in the App:





What if I refuse to have a water meter installed under this program?

- Our goal is to work with every property owner to determine the most appropriate location for each water meter.
- If installation on private property is required, RDCK staff will discuss the proposed location before construction begins.
- The RDCK has authority under the **Local Government Act** to install and maintain waterworks where required.
- **The current metering program is fully grant funded and there is no charge to property owners when installations proceed as scheduled. If a scheduled installation cannot proceed because access is refused and a resolution cannot be reached, additional installation costs may become the responsibility of the property owner.**



Questions?



FAQ's

Universal Metering Project

Where are water meters being installed?

Water meters are being installed after the curb-stop in insulated meter pits, typically located at the property line. In some cases water meters must be installed within properties depending on the location of the curb-stop.

Why are meters being installed?

Water meters are being introduced to identify and address leakage, better understand usage, improve water conservation, and help manage and protect the long-term sustainability of the Arrow Creek water supply.

What type of water meters are being installed?

The types of water meters being installed are positive displacement (mechanical disc) and ultrasonic (sound velocity). Positive displacement meters are installed on larger agricultural lands and industrial/commercial/institutional properties. Ultrasonic meters are installed on smaller (less than 5 acres) agricultural lands and residential properties.

Will my service line size and service valve size be reduced as a result of a meter install?

No, your water service size and curbstop valve will not change. The meter size is independent of your water service size.

Will my water bill change?

There is no planned change to your water services billing. Billing will remain on the current annual flat rate.

Notifications Service

The Regional District is using Voyent Alert! Service for both water system and emergency related notifications. Sign up for FREE to receive important information on your water system via text, email, or phone call by visiting rdck.ca/water and clicking on the link provided, or installing the Mobile App Voyent Alert! from the App Store or Google Play.

If you are signed up for Voyent please ensure your location is set to within the water system you wish to receive notifications for.

Contact Us

For questions about metering

250.551.7388

cgainham@rdck.bc.ca

For water system emergencies 24/7:

250.254.1685

General RDCK water system inquiries:

1.800.268.7325 (ext. 8161) or 250.352.8161

WaterContact@rdck.bc.ca

For current water advisories, water conservation tips, the RDCK water bylaw and more: www.rdck.ca/water



rdck.ca

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Erickson Water System

Universal Metering Project



rdck.ca

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Erickson Water System

Universal Metering Project



rdck.ca



Finished installation of 3/4" meter in a meter pit.

What happens if I refuse a meter?

Under **Section 290** of the *Local Government Act*, the RDCK has the authority to enter private property to install water meters. However, we believe it is important to work cooperatively with property owners and coordinate on the best location.

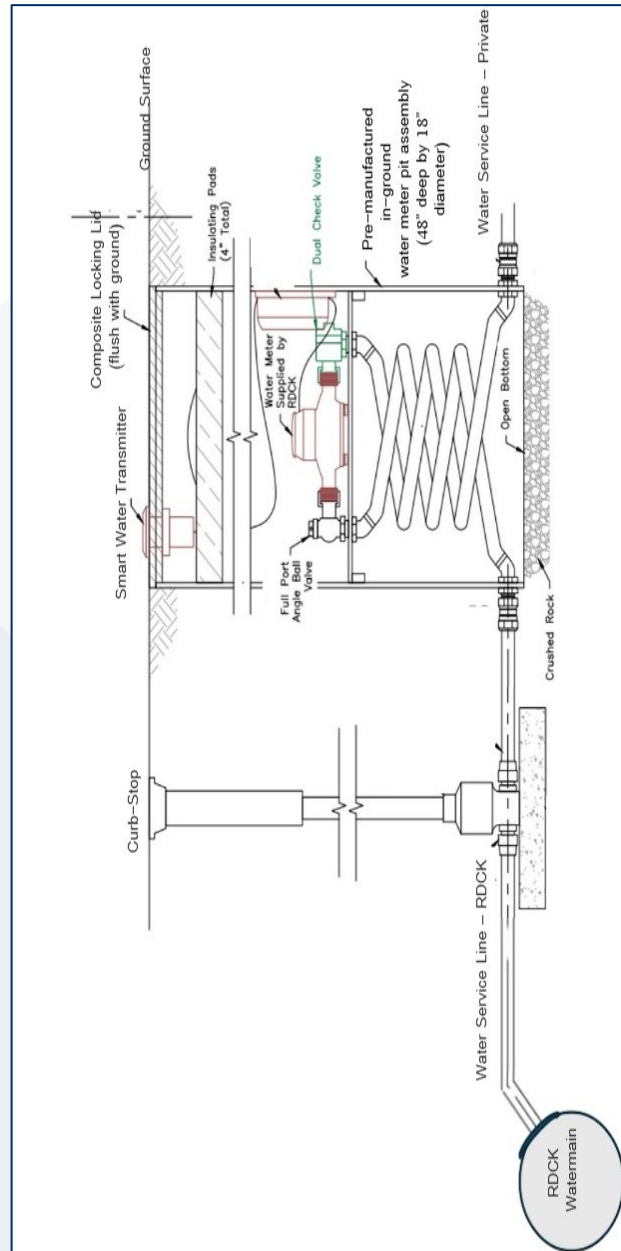
If a water meter is required to be installed on your private property, and you refuse at the scheduled time of installation, you will:

Be responsible for the costs associated with the contractor to return and complete the installation
OR

Be responsible for the entire cost of installation of the water meter and meter pit at a later date under RDCK Water Bylaw No. 3078 Section 14.4.1

If the installation of the water meter and meter pit is OUTSIDE of private property, the RDCK will complete the works at the scheduled time.

There is no cost to property owners for installation of water meters and meter pits under this grant-funded program.



Typical installation of a 3/4" meter in a meter pit.

Parameter	3/4"	1"	1.5"	2"
	E-series	E-series	E-series	E-series
Typ. Operating Range (gpm)	0.1 - 32	0.4 - 55	1.25 - 100	1.5 - 160
Min. Flow (gpm)	0.05	0.25	0.4	0.5
Max. Continuous Operating Flow (gpm)	32	55	100	160
Pressure Loss (PSI/gpm)	2/15	1.8/25	3.8/100	5.2/160
Max. Operation Pressure (PSI)	175	175	175	175

Operating ranges for various sized of ultrasonic meters.

How are meters sized?

Meter sizing for the Erickson Water System is based on the irrigation privilege assigned to each property under the *RDCK Utilities Rates, Fees and Charges Bylaw No. 3027*, plus domestic demand. Each acre of irrigation privilege allows for 4.5 US gallons per minute (gpm) of flow.

For example:

Irrigation demand per bylaw for a 10-acre property $\times$ 4.5 gpm per acre = 45 gpm expected flow demand.

Domestic demand per provincial Design Guidelines = 300 gallons/day/household or 0.50 gpm/household.

Peak hour demand (PHD) /household = 6 to 10 gpm/household.

45 gpm irrigation + 8 gpm domestic = 53 gpm max.
Continuous operating flow target for meter.

Considering the above, a 1" meter is sufficient for a 10 acre parcel with a household. The RDCK has added additional contingency so that the above described parcel would receive a 1.5" meter to offset additional pressure loss at higher volumes.

The service line size and service valve (curbstop) DO NOT change when installing a meter and meter pit.



Committee Report - For Information

October 8, 2026

Service Establishment Bylaw Amendments for Water Services

Author: Eileen Senyk, Water Services Liaison
File Reference: WATER SERVICES SHAREPOINT
Electoral Area/Municipality: ELECTORAL AREAS F, H, K
Services Impacted S257 Woodland Heights, S245 South Slocan, S253 Edgewood, S254 Fauquier

1.0 PURPOSE OF REPORT

The purpose of this report is to provide information regarding recommended bylaw amendments that will be brought forward at the October 21, 2026 Rural Affairs Committee meeting. At the time of this report, bylaw numbers were not available for the proposed Service Establishment bylaw amendments. Further to this, staff are awaiting direction from the Ministry of Housing and Municipal Affairs regarding the conversion of parcel tax bylaws to parcel tax roll bylaws, which will follow the adoption of Service Establishment bylaw amendments. At this time staff would like to introduce the proposed Service Establishment bylaw amendments to provide information to the Water Services Committee and to provide an opportunity for questions and clarification. All bylaw amendments must be adopted prior to the deadline for submitting taxation rates to the Province on February 28, 2027.

2.0 BACKGROUND AND UPDATE

RDCK water services are primarily funded through a combination of user rates and parcel or frontage taxes. Generally, user rates are established to recover the costs associated with the ongoing operation, maintenance and administration of each water service, while parcel or frontage taxes provide an annual contribution toward system asset renewal. A key objective in establishing parcel or frontage tax levels is to generate revenue that is aligned with the long-term capital renewal needs of each system, as informed by its respective Asset Management Plan (AMP). Parcel or frontage tax contributions are used to build system-specific capital reserve funds that the RDCK can draw from when water system infrastructure requires upgrade or replacement. The maximum amount of parcel or frontage tax that may be collected annually is identified in the Service Establishment Bylaw for each water system. This is referred to as the annual requisition amount.

Detailed infrastructure Asset Management Plans (AMPs) are in place for each RDCK water service and are built on a water infrastructure specific software platform. Infrastructure includes wells or intakes, pipes, pumps, hydrants, equipment, buildings, water treatment facilities and supervisory control and data acquisition (SCADA) systems. The AMPs contain an asset registry list of infrastructure that is populated with key infrastructure attributes including remaining service life, replacement cost, break history and other key information. The AMPs leverage this information to identify the Annual Cost of Sustainable Ownership (ACSO) for each water system - money that needs to be invested annually for infrastructure asset capital replacement, and present funding scenarios for long-term sustainable renewal of a system. Each AMP includes a financial model and associated asset

replacement schedule. Each piece of infrastructure (asset) is itemized along with its specific Estimated Service Life (ESL). In doing so, the replacement timeframe for each asset can be accounted for separately. This enables a risk-based approach to determining replacement timeframes.

Each year, prior to adoption of the Financial Plan, annual contributions for system asset renewal and maximum requisition amounts are reviewed to identify shortfalls. Maximum requisition amounts can be increased by 25% over a five (5) year period without the requirement of being approved by the Inspector of Municipalities. This process is enabled by the Regional District Establishing Bylaw Approval Exemption Regulation.

Maximum requisition increases are recommended where possible. The maximum amount can be increased by 25% every five (5) years, but if the increases are not made, the opportunity is lost. So, for example, if a maximum requisition amount for a water system has not been increased for 20 years, it can still only be increased by 25% without Inspector Approval.

When a Regional District increases a requisition amount by more than 25%, public assent through an Alternate Approval Process is required pursuant to the Local Government Act and the Community Charter. The Utility Services department will bring forward one such amending bylaw for the Riondel Drainage service at a future meeting. All bylaws included in this report fall under the Regional District Establishing Bylaw Approval Exemption Regulation.

The bylaw amendments that will be brought forward at the October 21, Rural Affairs Committee meeting will include 25% increases to Edgewood, Fauquier, South Slokan and Woodland Heights.

The South Slokan water service currently does not have a Service Establishment Bylaw. South Slokan requires that the existing South Slokan Water Supply and Distribution System Specified Area Established and Loan Authorization Bylaw No. 332, 1980 be converted to a Service Establishment bylaw in order to comply with the Local Government Act. South Slokan's Bylaw No. 332 does not identify a maximum requisition amount. Converting this bylaw to a Service Establishment bylaw will introduce a maximum requisition amount that can not be exceeded.

Current and proposed requisition limits are provided in Table 1 below.

Table 1: Current and Proposed Maximum Requisition Amounts

Water System & Bylaw	Current Maximum Requisition	Proposed Maximum Requisition
Edgewood Bylaw No. 2144, 2010	\$57,000	\$71,250
Fauquier Bylaw No. 2145, 2010	\$85,000	\$106,250
Woodland Heights Bylaw No. 2149, 2010	\$18,000	\$22,500
South Slocan Bylaw No. 332, 1980	None	\$20,000

Table 2 – Annual Contributions to Asset Replacement

Water System	Annual Contribution for Asset Replacement (ACFAR) 100 year projection, not considering inflation or debt servicing	Annual Contribution for Asset Replacement (ACFAR) 25 year projection, not considering inflation or debt servicing	Annual Contribution for Asset Replacement (ACFAR) 2026 Board Approved Parcel Tax Requisition	Existing Maximum Parcel Tax
Edgewood	\$120,009.00	\$164,681.00	\$56,637	\$667
Fauquier	\$208,804.00	\$356,170.00	\$69,767	\$922
South Slocan	\$130,881	\$131,552	\$14,168	\$325
Woodland Heights	\$8,048	\$18,326	\$6,986	\$665

The maximum requisition amounts for the Edgewood, Fauquier and Woodland Heights Service Establishment bylaws have not been increased since initial adoption of the bylaws in 2010. The maximum requisition amounts will be increased by the 25% allowed by the Regional District Establishing Bylaw Approval Exemption Regulation.

South Slokan has never had a maximum requisition amount, and this will be introduced in the Service Establishment Bylaw.

3.0 NEXT STEPS AND TIMELINE

The next step will be to bring forward four Service Establishment Amending Bylaws to the Rural Affairs Committee meeting on October 21, 2026 for a recommendation to the Regional Board at the October 22, 2026 meeting.

Respectfully submitted,
Eileen Senyk – Water Services Liaison

CONCURRENCE

Utility Services Manager – Chris Gainham
Senior Manager of Corporate Administration | Corporate Officer – Mike Morrison
Chief Administrative Officer - Stuart Horn

ATTACHMENTS:

Attachment A – Draft Bylaws

REGIONAL DISTRICT OF CENTRAL KOOTENAY

Bylaw No. XXXX

A Bylaw to amend Edgewood Water Service Establishment Bylaw No. 2144, 2010 for the purpose of increasing the requisition limit.

WHEREAS the regional district may, by bylaw, establish service under the provisions of the *Local Government Act*.

AND WHEREAS the Board of the Regional District of Central Kootenay established a service for the purpose of operating and maintaining a water system within Edgewood by adopting the Edgewood Water Service Establishment Bylaw No. 2144, 2010.

AND WHEREAS pursuant to the Regional District Establishing Bylaw Approval Exemption Regulation, a regional district may increase a maximum requisition in service establishment bylaws by 25% or less every five years without inspector approval;

AND WHEREAS consent has been received from the Director of Electoral Area K to increase the requisition limit of said service;

NOW THEREFORE the Board of the Regional District of Central Kootenay, in open meeting assembled, HEREBY ENACTS as follows:

1 Section 5 shall be deleted in its entirety and replaced with the following:

(5) The maximum amount to be requisitioned annually for this service shall not exceed the greater of \$71,250.00 (seventy one thousand two hundred and fifty dollars).

2 This Bylaw may be cited as “**Edgewood Water Service Establishment Bylaw No. XXXX, 20XX.**”

READ A FIRST TIME this [Date] day of [Month], 20XX.

READ A SECOND TIME this [Date] day of [Month], 20XX.

READ A THIRD TIME this [Date] day of [Month], 20XX.

I hereby certify that this is a true and correct copy of the “**Edgewood Water Service Establishment Bylaw No. XXXX, 20XX**” as read a third time by the Regional District of Central Kootenay Board on the day of [Date], 20XX.

Mike Morrison, Corporate Officer

APPROVE by the Inspector of Municipalities on the day of , 2022.

ASSENT RECEIVED as per the *Local Government Act – consent on behalf of electoral participating area.*

ADOPTED this day of , 20XX.

Aimee Watson, Board Chair

Mike Morrison, Corporate Officer

DRAFT

REGIONAL DISTRICT OF CENTRAL KOOTENAY

Bylaw No. XXXX

A Bylaw to amend Fauquier Water Service Establishment Bylaw No. 2145, 2010.

WHEREAS the regional district may, by bylaw, establish service under the provisions of the *Local Government Act*.

AND WHEREAS the Board of the Regional District of Central Kootenay established a service for the purpose of operating and maintaining a water system within Fauquier by adopting the Fauquier Water Service Establishment Bylaw No. 2145, 2010.

AND WHEREAS pursuant to the Regional District Establishment Bylaw Approval Exemption Regulation, a regional district may increase a maximum requisition in the service establishment bylaws by 25% or less every five years without inspector approval.

AND WHEREAS consent has been received from the Director of Electoral Area K to increase the requisition limit of said service.

NOW THEREFORE the Board of the Regional District of Central Kootenay, in open meeting assembled, HEREBY ENACTS as follows:

1 Section 5 shall be deleted in its entirety and replaced with the following:

(5) The amount of money that can be requisitioned annually under the Local Government Act shall not exceed \$106,250.00.

2 This Bylaw may be cited as “**Fauquier Water Service Establishment Amendment Bylaw No. XXXX, 20XX.**”

READ A FIRST TIME this [Date] day of [Month], 20XX.

READ A SECOND TIME this [Date] day of [Month], 20XX.

READ A THIRD TIME this [Date] day of [Month], 20XX.

I hereby certify that this is a true and correct copy of the “**Fauquier Water Service Establish Amendment Bylaw No. XXXX, 20XX**” as read a third time by the Regional District of Central Kootenay Board on the day of , 20XX.

Mike Morrison, Corporate Officer

APPROVE by the Inspector of Municipalities on the day of , 2022.

ASSENT RECEIVED as per the *Local Government Act – consent on behalf of electoral participating area*.

ADOPTED this day of , 20XX.

Aimee Watson, Board Chair

Mike Morrison, Corporate Officer

REGIONAL DISTRICT OF CENTRAL KOOTENAY

Bylaw No. XXXX

A Bylaw to convert a continued service within a portion of Electoral H (South Slocan Village) for the purpose of providing a water supply and distribution system.

WHEREAS the Board of the Regional District of Central Kootenay established the South Slocan Water Supply and Distribution System Specified Area Establishment and Loan Authorization Bylaw No. 332, 1980, within a defined portion of Area H to provide water supply and distribution system services;

AND WHEREAS South Slocan Water Supply and Distribution System Specified Area Established and Loan Authorization Bylaw No. 332, 1980 is a continued service which the Regional District may, by bylaw, convert to a local service under the provisions of the *Local Government Act*;

AND WHEREAS pursuant of the *Local Government Act* participating area approval has been obtained by consent from the Electoral Area H Director.

NOW THEREFORE the Board of the Regional District of Central Kootenay, in open meeting assembled, HEREBY ENACTS as follows:

- 1** The South Slocan Specified Area Service, as established by specified area bylaw South Slocan Water Supply and Distribution System Specified Area Establishment and Loan Authorization Bylaw No. 332, 1980 is hereby converted and established as a local service authorized to provide water supply and distribution system services to a portion of Electoral H.
- 2** The converted and established service shall be known as the South Slocan Water Supply and Distribution System Service.
- 3** The sole participant to the service established under Section 1 of this bylaw shall be Electoral Area H.
- 4** The boundary of the service area established by this bylaw includes a defined portion of Electoral Area H, described in Schedule A of this bylaw, and shall be known as the South Slocan Water Supply and Distribution System Service Area.
- 5** Pursuant of the *Local Government Act*, the annual cost of providing the service shall be recovered by one or more of the following:
 - (a) Property value taxes;
 - (b) Fees and charges;
 - (c) Parcel Tax Roll;

- (d) Revenue raised by other means; or
- (e) Revenue received by way of the agreement, enterprise, gift, grant or otherwise.

6 The maximum amount that may be requisitioned annually for this service shall not exceed the greater of \$ 20,000 or 0.7013 per \$1,000 of the net taxable value of land and improvements in the service area.

7 This Bylaw may be cited as **“South Slocan Water Supply and Distribution System Service Area Establishment Bylaw No. XXXX, 20XX.”**

READ A FIRST TIME this [Date] day of [Month] , 20XX.

READ A SECOND TIME this [Date] day of [Month] , 20XX.

READ A THIRD TIME this [Date] day of [Month] , 20XX.

I hereby certify that this is a true and correct copy of the **“[Bylaw Name] Bylaw No. XXXX, 20XX”** as read a third time by the Regional District of Central Kootenay Board on the [Date] day of [Month] , 20XX.

[Name of Corporate Officer], Corporate Officer

APPROVE by the Inspector of Municipalities on the [Date] day of [Month] , 2022.

ASSENT RECEIVED as per the *Local Government Act – consent [assent vote/Alternative Approval Process/consent of rural/municipal participating area]*.

ADOPTED this [Date] day of [Month] , 20XX.

[Name of Board Chair], Board Chair

[Name of Corporate Officer], Corporate Officer

REGIONAL DISTRICT OF CENTRAL KOOTENAY

Bylaw No. XXXX

A Bylaw to amend Woodland Heights Water Service Establishment Bylaw No. 2149, 2010.

WHEREAS the regional district may, by bylaw, establish service under the provisions of the *Local Government Act*.

AND WHEREAS the Board of the Regional District of Central Kootenay established a service for the purpose of operating and maintaining a water system within Woodland Heights by adopting the Woodland Heights Water Service Establishment Bylaw No. 2149, 2010.

AND WHEREAS pursuant to the Regional District Establishment Bylaw Approval Exemption Regulation, a regional district may increase a maximum requisition in service establishment bylaws by 25% or less every five years without inspector approval;

NOW THEREFORE the Board of the Regional District of Central Kootenay, in open meeting assembled, HEREBY ENACTS as follows:

1 Section 5 shall be deleted in its entirety and replaced with the following:

(5) The amount of money that can be requisitioned annually under the Local Government Act shall not exceed \$22,500.00

2 This Bylaw may be cited as “**Woodland Heights Water Service Establishment Amendment Bylaw No. XXXX, 20XX.**”

READ A FIRST TIME this [Date] day of [Month], 20XX.

READ A SECOND TIME this [Date] day of [Month], 20XX.

READ A THIRD TIME this [Date] day of [Month], 20XX.

I hereby certify that this is a true and correct copy of the “**Woodland Heights Water Service Establishment Amendment Bylaw No. XXXX, 20XX**” as read a third time by the Regional District of Central Kootenay Board on the [Date] day of [Month], 20XX.

[Name of Corporate Officer], Corporate Officer

APPROVE by the Inspector of Municipalities on the day of , 2022.

ASSENT RECEIVED as per the *Local Government Act – consent on behalf of electoral participating area*.

ADOPTED this day of , 20XX.

[Name of Board Chair], Board Chair

[Name of Corporate Officer], Corporate Officer



Water Services Committee Report

October 8, 2026

Village of Salmo Out-of-Boundary Water and Sewer Connection – #5 Second Street, Salmo

Author: Chris Gainham, Utility Services Manager
File Reference: Water Services - Sharepoint
Electoral Area/Municipality: Electoral Area G/Village of Salmo
Services Impacted: N/A

1.0 STAFF RECOMMENDATION

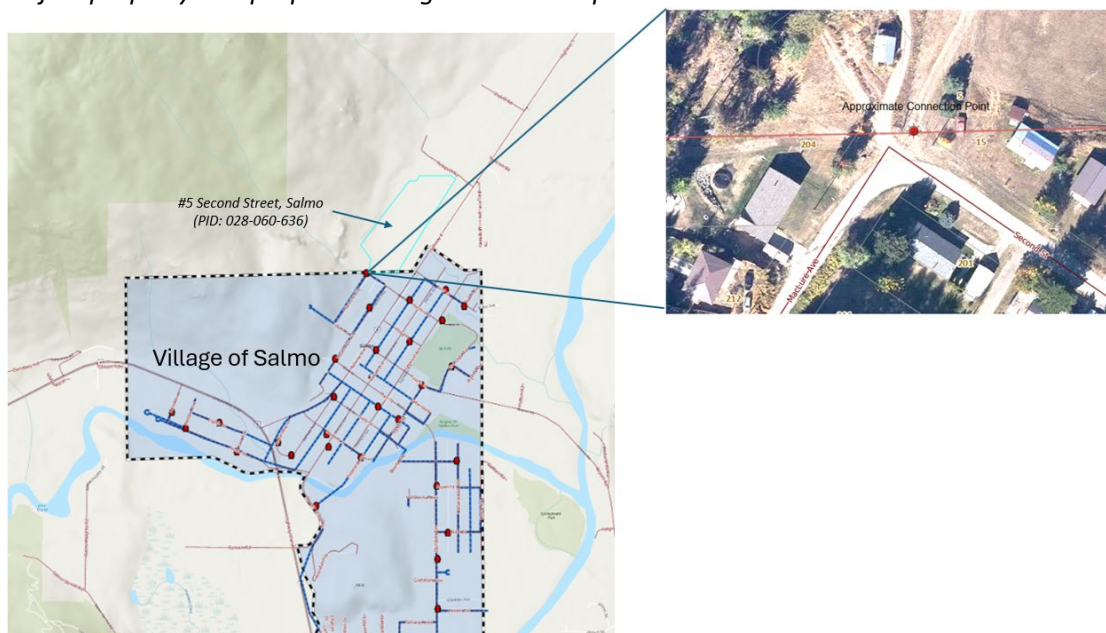
The Regional District of Central Kootenay consent to the Village of Salmo providing water and sewer services to #5 Second Street, Salmo (PID: 028-060-636).

2.0 BACKGROUND/HISTORY

The Village of Salmo has requested RDCK consent for the Village of Salmo to provide municipal water and sewer services to the property located at #5 Second Street, Salmo (PID: 028-060-636). The property is located outside the municipal boundary of the Village of Salmo and within the RDCK. The property owner has requested connection to Village of Salmo water and sewer services for a single family/two-family residential use. Salmo Village Council has approved the requested connection, subject to obtaining the necessary consent from the RDCK.

Section 13 of the Community Charter provides authority for a municipality to provide a service outside its municipal boundaries with the consent of the regional district in which the service is to be provided. Accordingly, the Village has requested RDCK Board consent prior to proceeding with the connection.

Subject property and proposed Village connection point:



3.0 PROBLEM OR OPPORTUNITY DESCRIPTION

Staff from the RDCK and Village of Salmo have discussed whether a broader servicing agreement between the two local governments is required for this connection. Based on the site-specific nature of the request, RDCK Corporate Administration has advised that a separate servicing agreement between the Village and RDCK is not considered necessary unless the parties wish to establish additional terms or conditions associated with the consent.

The proposed consent applies specifically to the servicing of the existing property via extension of Village water and sewer services and does not apply to other properties outside the municipal boundary.

The Village has advised that the current property owner does not intend to subdivide or significantly expand development of the property. The possibility of future subdivision or redevelopment was nevertheless considered during staff discussions. Should subdivision, increased density or expanded municipal servicing be proposed in the future, the applicable development approval processes would provide an opportunity for the Village and RDCK to review the proposal at that time.

Any agreement required between the Village of Salmo and the property owner, including conditions associated with the connection, service levels, fees or future expansion of service, would be administered by the Village.

3.1 Alignment to Board Strategic Plan

N/A

3.2 Legislative Considerations

Section 13 of the Community Charter requires regional district consent for a municipality to provide a service within the regional district but outside the municipality.

3.3 What Are the Risks

The consent is specific to the existing property and does not imply approval for any future subdivision, increased density or extension of Village services to additional properties. Any future proposal would be considered separately through the applicable approval processes.

4.0 PROPOSED SOLUTION

Staff recommend that the RDCK Board provide consent for the Village of Salmo to provide water and sewer services to #5 Second Street, Salmo. The consent is specific to this property and is a legislative requirement. Any agreement between the Village and property owner respecting connection requirements, service levels, fees or other conditions would be administered by the Village.

4.1 Financial Considerations of the Proposed Solution

There are no anticipated financial considerations for the RDCK.

4.2 Risks with the Proposed Solution

See section 3.3

4.3 Resource Allocation and Workplan Impact

None

4.4 Public Benefit and Stakeholder Engagement of Proposed Solution

The request has been reviewed by staff from the Village of Salmo and RDCK staff. No additional public engagement is proposed.

4.5 Leveraging Technology

N/A

4.6 Measuring Success

N/A

5.0 ALTERNATIVE SOLUTION(S)

The Board could decline to provide consent, in which case the Village of Salmo would not be able to proceed with the proposed out-of-boundary servicing as requested.

5.1 Financial Considerations of the Alternative Solution(s)

N/A

5.2 Risks with the Alternative Solution(s)

N/A

5.3 Resource Allocation and Workplan Impact

N/A

5.4 Public Benefit and Stakeholder Engagement of Alternative Solution

N/A

5.5 Measuring Success

N/A

6.0 OPTIONS CONSIDERED BUT NOT PRESENTED

N/A

7.0 OPTIONS SUMMARY

Option 1 - Recommendation:

The Regional District of Central Kootenay consent to the Village of Salmo providing water and sewer services to #5 Second Street, Salmo (PID: 028-060-636).

Option 2 - Recommendation:

THAT The Board decline to provide consent, in which case the Village of Salmo would not be able to proceed with the proposed out-of-boundary servicing as requested.

8.0 RECOMMENDATION

The Regional District of Central Kootenay consent to the Village of Salmo providing water and sewer services to #5 Second Street, Salmo (PID: 028-060-636).

Respectfully submitted,

A handwritten signature in blue ink, appearing to read 'Chris Gainham', is positioned above the name.

Chris Gainham – Utility Services Manager

CONCURRENCE

Senior Manager of Corporate Administration | Corporate Officer – Mike Morrison
Chief Administrative Officer – Stuart Horn